

# **CRESTONE PEAK RESOURCES**

**WELD COUNTY**

**SEC 22-T1N-R68W**

**COSSLETT EAST 1G-22H-H168**

**OWB**

**PROPOSAL 1**

## **Anticollision Report**

**01 March, 2022**

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PROPOSAL 1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	Stations	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 10,000.00 usft	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	3/1/2022			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
0.00	18,942.39	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard	

<b>Summary</b>						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 22-T1N-R68W						
ABND VERT COSSLETT B UNIT 1 - OWB - Design #1	2,027.49	1,975.27	117.06	75.26	2.801	CC, ES
ABND VERT COSSLETT B UNIT 1 - OWB - Design #1	2,100.00	2,040.84	121.08	77.73	2.793	SF
ABND VERT COSSLETT B UNIT 1X - OWB - Design #1	1,545.26	1,522.88	241.64	210.51	7.763	CC
ABND VERT COSSLETT B UNIT 1X - OWB - Design #1	1,600.00	1,575.64	242.08	209.78	7.494	ES
ABND VERT COSSLETT B UNIT 1X - OWB - Design #1	1,900.00	1,859.17	266.42	227.68	6.877	SF
COSSLETT EAST 1B-22H-H168 - OWB - PROPOSAL 1	800.00	801.00	49.84	44.55	9.420	CC, ES
COSSLETT EAST 1B-22H-H168 - OWB - PROPOSAL 1	18,942.39	18,448.54	1,665.37	1,338.81	5.100	SF
COSSLETT EAST 1C-22H-H168 - OWB - PROPOSAL 1	800.00	801.00	40.04	34.75	7.568	CC, ES
COSSLETT EAST 1C-22H-H168 - OWB - PROPOSAL 1	18,942.39	18,420.77	1,339.70	1,014.50	4.120	SF
COSSLETT EAST 1D-22H-H168 - OWB - PROPOSAL 1	800.00	801.00	29.96	24.67	5.662	CC, ES
COSSLETT EAST 1D-22H-H168 - OWB - PROPOSAL 1	18,942.39	18,454.58	994.72	673.36	3.095	SF
COSSLETT EAST 1E-22H-H168 - OWB - PROPOSAL 1	800.00	801.00	19.88	14.59	3.757	CC, ES
COSSLETT EAST 1E-22H-H168 - OWB - PROPOSAL 1	18,942.39	18,794.91	654.66	328.70	2.008	SF
COSSLETT EAST 1F-22H-H168 - OWB - PROPOSAL 1	800.00	801.00	10.08	4.79	1.905	CC, ES
COSSLETT EAST 1F-22H-H168 - OWB - PROPOSAL 1	18,942.39	18,710.17	339.24	35.40	1.117	Level 2, SF
COSSLETT EAST 1H-22H-H168 - OWB - PROPOSAL 1	700.00	700.00	10.09	5.52	2.207	CC, ES
COSSLETT EAST 1H-22H-H168 - OWB - PROPOSAL 1	18,942.39	19,023.38	364.12	38.69	1.119	Level 2, SF
COSSLETT EAST 1I-22H-H168 - OWB - PROPOSAL 1	600.00	600.00	19.88	16.03	5.160	CC, ES
COSSLETT EAST 1I-22H-H168 - OWB - PROPOSAL 1	18,942.39	19,386.71	713.82	398.81	2.266	SF
COSSLETT EAST 1J-22H-H168 - OWB - PROPOSAL 1	500.00	499.00	29.96	26.83	9.563	CC, ES
COSSLETT EAST 1J-22H-H168 - OWB - PROPOSAL 1	18,942.39	19,430.54	1,019.84	694.31	3.133	SF
COSSLETT EAST 1K-22H-H168 - OWB - PROPOSAL 1	400.00	399.00	40.04	37.63	16.573	CC, ES
COSSLETT EAST 1K-22H-H168 - OWB - PROPOSAL 1	18,942.39	19,518.56	1,343.36	1,015.77	4.101	SF
COSSLETT EAST 1L-22H-H168 - OWB - PROPOSAL 1	300.00	299.00	50.12	48.42	29.498	CC, ES
COSSLETT EAST 1L-22H-H168 - OWB - PROPOSAL 1	18,942.39	19,896.68	1,695.68	1,373.74	5.267	SF
COSSLETT EAST 1M-22H-H168 - OWB - PROPOSAL 1	200.00	199.00	59.92	58.94	61.007	CC, ES
COSSLETT EAST 1M-22H-H168 - OWB - PROPOSAL 1	18,942.39	19,804.81	2,054.79	1,726.31	6.255	SF
COSSLETT EAST 1N-22H-H168 - OWB - PROPOSAL 1	100.00	99.00	70.00	69.74	261.689	CC, ES
COSSLETT EAST 1N-22H-H168 - OWB - PROPOSAL 1	18,942.39	20,184.95	2,399.60	2,073.49	7.358	SF
COSSLETT EAST FED 1A-22H-H168 - OWB - PROPOS	800.00	801.00	60.20	54.91	11.378	CC, ES
COSSLETT EAST FED 1A-22H-H168 - OWB - PROPOS	18,942.39	18,146.01	1,982.01	1,657.93	6.116	SF
EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY	8,151.26	16,154.10	1,279.18	1,091.27	6.807	CC
EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY	8,200.00	16,139.88	1,280.05	1,089.37	6.713	ES
EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY	8,450.00	16,134.77	1,313.51	1,111.52	6.503	SF
EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY	7,913.99	16,657.74	1,874.35	1,686.65	9.986	CC
EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY	8,000.00	16,634.49	1,876.18	1,685.04	9.816	ES
EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY	8,400.00	16,574.85	1,933.32	1,729.81	9.500	SF

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 22-T1N-R68W						
EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY	8,103.81	16,530.00	1,755.35	1,569.73	9.457	CC
EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY	8,165.32	16,530.00	1,756.43	1,568.39	9.341	ES
EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY	8,650.00	16,530.00	1,825.80	1,621.41	8.933	SF
EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SU	0.00	0.00	1,353.28			
EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SU	200.00	179.73	1,353.88	1,353.11	1,746.564	ES
EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SU	18,942.39	17,546.00	5,035.66	4,703.45	15.158	SF
EXIST HZ COSSLETT 1B-22H-B168 - OWB - FINAL SU	542.44	537.05	1,343.10	1,339.75	400.983	CC, ES
EXIST HZ COSSLETT 1B-22H-B168 - OWB - FINAL SU	18,942.39	17,340.00	4,779.71	4,447.51	14.388	SF
EXIST HZ COSSLETT 1C-22H-B168 - OWB - FINAL SU	291.25	281.26	1,336.68	1,335.21	910.072	CC
EXIST HZ COSSLETT 1C-22H-B168 - OWB - FINAL SU	600.00	584.21	1,337.21	1,333.56	367.341	ES
EXIST HZ COSSLETT 1C-22H-B168 - OWB - FINAL SU	18,942.39	17,471.00	4,684.13	4,351.39	14.078	SF
EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SU	100.00	88.99	1,329.01	1,328.73	4,706.235	CC
EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SU	400.00	382.88	1,329.69	1,327.72	674.591	ES
EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SU	18,942.39	17,437.71	4,323.57	3,993.29	13.091	SF
EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SU	622.56	617.14	1,289.15	1,286.61	506.503	CC
EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SU	700.00	679.50	1,289.54	1,286.45	417.608	ES
EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SU	18,942.39	17,349.39	4,049.99	3,721.97	12.347	SF
EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SU	100.00	89.50	1,312.58	1,312.30	4,708.572	CC
EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SU	400.00	380.22	1,313.35	1,311.23	620.663	ES
EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SU	18,942.39	17,796.00	3,903.16	3,569.66	11.704	SF
EXIST HZ COSSLETT 1G-22H-B168 - OWB - FINAL SU	100.00	88.75	1,304.74	1,304.46	4,625.819	CC
EXIST HZ COSSLETT 1G-22H-B168 - OWB - FINAL SU	800.00	786.40	1,306.79	1,301.98	271.808	ES
EXIST HZ COSSLETT 1G-22H-B168 - OWB - FINAL SU	18,942.39	17,487.00	3,808.03	3,475.49	11.452	SF
EXIST HZ COSSLETT 1H-22H-B168 - OWB - FINAL SU	330.28	319.28	1,296.11	1,294.32	721.751	CC
EXIST HZ COSSLETT 1H-22H-B168 - OWB - FINAL SU	1,006.17	1,030.63	1,298.87	1,292.11	192.216	ES
EXIST HZ COSSLETT 1H-22H-B168 - OWB - FINAL SU	18,942.39	17,373.56	3,445.53	3,126.14	10.788	SF
EXIST HZ COSSLETT 1I-22H-B168 - OWB - FINAL SUR	1,214.25	1,271.14	1,273.49	1,265.26	154.713	CC
EXIST HZ COSSLETT 1I-22H-B168 - OWB - FINAL SUR	1,300.00	1,360.33	1,273.85	1,264.87	141.795	ES
EXIST HZ COSSLETT 1I-22H-B168 - OWB - FINAL SUR	18,942.39	17,583.00	3,114.55	2,782.74	9.387	SF
EXIST HZ COSSLETT 1J-22H-B168 - OWB - FINAL SUR	1,462.49	1,553.70	1,255.18	1,244.32	115.600	CC
EXIST HZ COSSLETT 1J-22H-B168 - OWB - FINAL SUR	1,500.00	1,579.59	1,255.47	1,244.30	112.324	ES
EXIST HZ COSSLETT 1J-22H-B168 - OWB - FINAL SUR	18,600.00	18,600.00	2,903.34	2,560.75	8.475	SF
EXIST HZ COSSLETT 1K-22H-B168 - OWB - FINAL SU	1,600.93	1,707.91	1,232.13	1,219.62	98.444	CC
EXIST HZ COSSLETT 1K-22H-B168 - OWB - FINAL SU	2,000.00	2,134.23	1,236.19	1,218.91	71.561	ES
EXIST HZ COSSLETT 1K-22H-B168 - OWB - FINAL SU	18,800.00	17,479.00	2,766.20	2,449.90	8.745	SF
EXIST HZ COSSLETT 1L-22H-B168 - OWB - FINAL SU	2,081.34	2,236.15	1,202.56	1,183.30	62.446	CC
EXIST HZ COSSLETT 1L-22H-B168 - OWB - FINAL SU	2,200.00	2,356.05	1,203.51	1,182.68	57.775	ES
EXIST HZ COSSLETT 1L-22H-B168 - OWB - FINAL SU	18,942.39	17,817.82	2,572.12	2,238.91	7.719	SF
EXIST HZ COSSLETT 32-22 - OWB - FINAL SURVEY	546.21	538.51	229.38	225.97	67.138	CC
EXIST HZ COSSLETT 32-22 - OWB - FINAL SURVEY	600.00	590.95	229.58	225.76	60.015	ES
EXIST HZ COSSLETT 32-22 - OWB - FINAL SURVEY	1,300.00	1,262.24	313.56	304.26	33.719	SF
EXIST HZ COSSLETT 4-0-22 - OWB - FINAL SURVEY	0.00	0.00	256.29			
EXIST HZ COSSLETT 4-0-22 - OWB - FINAL SURVEY	100.00	89.47	256.40	256.12	913.091	ES
EXIST HZ COSSLETT 4-0-22 - OWB - FINAL SURVEY	6,900.00	6,900.00	3,992.98	3,918.15	53.363	SF
EXIST HZ COSSLETT 41-22 - OWB - FINAL SURVEY	100.00	90.23	246.58	246.30	877.119	CC
EXIST HZ COSSLETT 41-22 - OWB - FINAL SURVEY	200.00	188.53	247.15	246.25	275.146	ES
EXIST HZ COSSLETT 41-22 - OWB - FINAL SURVEY	3,000.00	2,885.85	612.58	582.97	20.692	SF
EXIST HZ COSSLETT 42-22 - OWB - FINAL SURVEY	1,632.13	1,640.42	21.55	9.89	1.849	CC, ES, SF
EXIST HZ COSSLETT 6-0-22 - OWB - FINAL SURVEY	159.86	152.09	251.46	250.87	421.002	CC
EXIST HZ COSSLETT 6-0-22 - OWB - FINAL SURVEY	200.00	188.86	251.64	250.75	280.825	ES
EXIST HZ COSSLETT 6-0-22 - OWB - FINAL SURVEY	3,900.00	3,572.11	1,361.30	1,320.09	33.034	SF
EXIST HZ COSSLETT 6-4-22 - OWB - FINAL SURVEY	1,190.69	1,210.67	123.40	114.44	13.765	CC
EXIST HZ COSSLETT 6-4-22 - OWB - FINAL SURVEY	1,200.00	1,219.29	123.46	114.40	13.625	ES

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 22-T1N-R68W						
EXIST HZ COSSLETT 6-4-22 - OWB - FINAL SURVEY	1,300.00	1,312.75	131.53	121.49	13.093	SF
EXIST HZ COSSLETT 8-2-22 - OWB - FINAL SURVEY	2,592.18	2,539.37	41.11	16.17	1.648	CC, ES, SF
EXIST HZ FRONT RANGE FARMS 15C-14HZ - OWB - F	8,900.00	15,353.00	1,176.99	1,008.90	7.002	SF
EXIST HZ FRONT RANGE FARMS 15C-14HZ - OWB - F	9,000.00	15,353.00	1,165.08	1,000.40	7.075	ES
EXIST HZ FRONT RANGE FARMS 15C-14HZ - OWB - F	9,007.24	15,353.00	1,165.02	1,000.60	7.086	CC
EXIST HZ FRONT RANGE FARMS 15N-14HZ - OWB - F	8,900.00	15,243.00	1,481.50	1,305.51	8.418	SF
EXIST HZ FRONT RANGE FARMS 15N-14HZ - OWB - F	9,000.00	15,243.00	1,470.91	1,297.71	8.493	ES
EXIST HZ FRONT RANGE FARMS 15N-14HZ - OWB - F	9,011.74	15,243.00	1,470.79	1,297.94	8.509	CC
EXIST HZ FRONT RANGE FARMS 36N-14HZ - OWB - F	8,800.00	15,134.00	602.02	432.86	3.559	SF
EXIST HZ FRONT RANGE FARMS 36N-14HZ - OWB - F	8,900.00	15,134.00	587.31	424.78	3.614	ES
EXIST HZ FRONT RANGE FARMS 36N-14HZ - OWB - F	8,902.43	15,134.00	587.30	424.95	3.617	CC
EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - F	8,900.00	15,352.00	2,062.31	1,886.63	11.739	SF
EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - F	9,050.00	15,352.00	2,043.42	1,871.54	11.888	ES
EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - F	9,055.66	15,352.00	2,043.39	1,871.66	11.899	CC
EXIST HZ RANCHVIEW 28C-11HZ - OWB - FINAL SUR	9,150.00	7,786.53	85.52	11.31	1.152	Level 2, ES, SF
EXIST HZ RANCHVIEW 28C-11HZ - OWB - FINAL SUR	9,153.22	7,785.02	85.47	11.96	1.163	Level 2, CC
EXIST HZ RANCHVIEW 3C-11HZ - OWB - FINAL SURV	6,889.08	6,110.90	232.07	142.84	2.601	CC
EXIST HZ RANCHVIEW 3C-11HZ - OWB - FINAL SURV	6,900.00	6,118.64	232.20	142.78	2.597	ES, SF
EXIST HZ RANCHVIEW 3N-11HZ - OWB - FINAL SURV	7,320.74	6,414.85	383.92	291.19	4.140	CC, ES
EXIST HZ RANCHVIEW 3N-11HZ - OWB - FINAL SURV	7,400.00	6,475.30	387.42	293.73	4.135	SF
EXIST HZ STIPANOVICH 8-0-27 - OWB - FINAL SURVE	14,164.11	7,822.03	2,439.66	2,327.40	21.734	CC, ES
EXIST HZ STIPANOVICH 8-0-27 - OWB - FINAL SURVE	14,300.00	7,821.35	2,443.44	2,330.65	21.664	SF
EXIST HZ STIPANOVICH 8-2-27 - OWB - FINAL SURVE	15,444.06	7,912.08	2,429.12	2,292.88	17.830	CC, ES, SF

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<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 23-T1N-R68W						
ABND VERT HELEN E UNIT 2 - OWB - FINAL SURVEY	12,628.37	7,693.65	1,447.74	1,358.68	16.256	CC, ES, SF
EXIST HZ BURY CRANDELL 0-0-23 - OWB - FINAL SU	4,748.86	4,217.16	616.01	562.41	11.493	CC, ES
EXIST HZ BURY CRANDELL 0-0-23 - OWB - FINAL SU	5,000.00	4,413.71	636.51	579.62	11.188	SF
EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SUR	5,085.15	5,209.39	1,381.87	1,322.25	23.177	CC
EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SUR	5,100.00	5,218.71	1,381.91	1,322.13	23.117	ES
EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SUR	11,100.00	8,036.57	1,733.56	1,645.78	19.749	SF
EXIST HZ BURY CRANDELL 21-23 - OWB - FINAL SUR	9,307.04	7,857.43	384.12	310.98	5.252	CC, ES
EXIST HZ BURY CRANDELL 21-23 - OWB - FINAL SUR	9,500.00	7,858.63	429.87	336.82	4.620	SF
EXIST HZ BURY CRANDELL 22-23 - OWB - FINAL SUR	10,656.11	7,862.85	530.76	455.55	7.057	CC, ES
EXIST HZ BURY CRANDELL 22-23 - OWB - FINAL SUR	10,800.00	7,863.29	549.92	471.09	6.976	SF
EXIST HZ BURY CRANDELL 31-23 - OWB - FINAL SUR	9,000.00	7,720.87	1,041.30	955.02	12.070	SF
EXIST HZ BURY CRANDELL 31-23 - OWB - FINAL SUR	9,231.13	7,759.48	978.11	902.19	12.883	ES
EXIST HZ BURY CRANDELL 31-23 - OWB - FINAL SUR	9,302.05	7,759.75	975.53	902.60	13.376	CC
EXIST HZ BURY CRANDELL 42-23 - OWB - FINAL SUR	10,713.63	7,763.24	2,336.02	2,260.48	30.923	CC, ES
EXIST HZ BURY CRANDELL 42-23 - OWB - FINAL SUR	12,100.00	7,775.35	2,716.40	2,617.94	27.589	SF
EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SU	8,750.00	7,618.00	1,529.69	1,450.65	19.353	SF
EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SU	9,050.00	7,748.44	1,466.46	1,394.69	20.434	ES
EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SU	9,051.87	7,748.93	1,466.46	1,394.73	20.445	CC
EXIST HZ BURY CRANDELL 8-0-23 - OWB - FINAL SU	8,650.00	7,573.39	2,945.03	2,864.71	36.666	SF
EXIST HZ BURY CRANDELL 8-0-23 - OWB - FINAL SU	9,100.00	7,773.26	2,835.14	2,762.55	39.060	ES
EXIST HZ BURY CRANDELL 8-0-23 - OWB - FINAL SU	9,103.57	7,773.86	2,835.13	2,762.61	39.094	CC
EXIST HZ BURY CRANDELL 8-2-23 - OWB - FINAL SU	8,900.00	7,658.90	3,067.13	2,977.03	34.040	SF
EXIST HZ BURY CRANDELL 8-2-23 - OWB - FINAL SU	10,000.00	7,739.20	2,812.82	2,742.42	39.958	ES
EXIST HZ BURY CRANDELL 8-2-23 - OWB - FINAL SU	10,029.03	7,739.38	2,812.67	2,742.51	40.090	CC
EXIST HZ BURY CRANDELL 8-4-23 - OWB - FINAL SU	11,333.44	7,857.76	2,776.72	2,688.84	31.595	CC
EXIST HZ BURY CRANDELL 8-4-23 - OWB - FINAL SU	11,400.00	7,859.53	2,777.52	2,688.76	31.295	ES
EXIST HZ BURY CRANDELL 8-4-23 - OWB - FINAL SU	12,900.00	7,920.15	3,187.71	3,069.30	26.922	SF
EXIST HZ CURY CRANDELL 32-23 - OWB - FINAL SUR	10,400.00	7,841.17	881.69	791.00	9.721	SF
EXIST HZ CURY CRANDELL 32-23 - OWB - FINAL SUR	10,763.04	7,841.97	803.48	726.54	10.442	CC, ES
EXIST HZ HELEN 0-4-23 - OWB - FINAL SURVEY	4,198.20	4,554.06	2,000.09	1,951.09	40.823	CC
EXIST HZ HELEN 0-4-23 - OWB - FINAL SURVEY	4,200.00	4,555.02	2,000.09	1,951.07	40.802	ES
EXIST HZ HELEN 0-4-23 - OWB - FINAL SURVEY	11,800.00	7,907.58	2,320.89	2,237.00	27.667	SF
EXIST HZ HELEN 14-23 - OWB - FINAL SURVEY	13,581.73	7,834.08	1,613.02	1,505.82	15.048	CC, ES, SF
EXIST HZ HELEN 4-6-23 - OWB - FINAL SURVEY	12,750.98	7,779.39	268.13	174.40	2.861	CC, ES
EXIST HZ HELEN 4-6-23 - OWB - FINAL SURVEY	12,800.00	7,778.15	272.57	174.92	2.791	SF
EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY	13,965.34	7,957.40	2,767.26	2,656.03	24.880	CC
EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY	14,000.00	7,957.56	2,767.47	2,655.28	24.666	ES
EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY	15,300.00	7,963.52	3,072.29	2,926.67	21.097	SF
EXIST VERT BURY CRANDELL C UNIT 1 - OWB - Desi	9,200.00	7,640.27	1,977.93	1,788.77	10.456	SF
EXIST VERT BURY CRANDELL C UNIT 1 - OWB - Desi	9,700.00	7,641.00	1,898.03	1,722.04	10.785	ES
EXIST VERT BURY CRANDELL C UNIT 1 - OWB - Desi	9,758.08	7,641.00	1,897.14	1,722.25	10.848	CC
EXIST VERT HELEN 23-23 - OWB - Design #1	11,977.25	7,672.00	543.66	356.66	2.907	CC, ES, SF
EXIST VERT HELEN 33-23 - OWB - Design #1	11,969.06	7,707.00	747.21	559.69	3.985	CC
EXIST VERT HELEN 33-23 - OWB - Design #1	12,000.00	7,707.00	747.85	559.49	3.970	ES
EXIST VERT HELEN 33-23 - OWB - Design #1	12,100.00	7,707.00	758.59	566.87	3.957	SF
EXIST VERT HELEN 34-23 - OWB - Design #1	13,589.14	7,684.00	1,033.00	824.60	4.957	CC
EXIST VERT HELEN 34-23 - OWB - Design #1	13,600.00	7,684.00	1,033.05	824.22	4.947	ES
EXIST VERT HELEN 34-23 - OWB - Design #1	13,800.00	7,684.00	1,054.30	837.78	4.869	SF
EXIST VERT HELEN 43-23 - OWB - Design #1	12,108.99	7,676.00	2,363.43	2,174.88	12.534	CC, ES
EXIST VERT HELEN 43-23 - OWB - Design #1	12,800.00	7,676.00	2,462.38	2,259.20	12.119	SF
EXIST VERT HELEN E UNIT 1 - OWB - Design #1	13,036.80	7,682.00	1,869.73	1,669.22	9.325	CC
EXIST VERT HELEN E UNIT 1 - OWB - Design #1	13,100.00	7,682.00	1,870.80	1,668.66	9.255	ES
EXIST VERT HELEN E UNIT 1 - OWB - Design #1	13,500.00	7,682.00	1,926.25	1,713.46	9.052	SF

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 26-T1N-R68W						
ABND VERT ALAUX 1 - OWB - Design #1	14,775.17	5,050.00	2,681.64	2,598.55	32.272	CC
ABND VERT ALAUX 1 - OWB - Design #1	14,800.00	5,050.00	2,681.76	2,598.38	32.164	ES
ABND VERT ALAUX 1 - OWB - Design #1	16,600.00	5,050.00	3,243.64	3,112.40	24.715	SF
ABND VERT ALAUX 2 - OWB - Design #1	14,779.76	5,450.00	2,826.66	2,702.15	22.703	CC
ABND VERT ALAUX 2 - OWB - Design #1	14,800.00	5,450.00	2,826.73	2,702.10	22.681	ES
ABND VERT ALAUX 2 - OWB - Design #1	15,600.00	5,450.00	2,943.26	2,810.78	22.216	SF
ABND VERT ALAUX F UNIT 1 - OWB - FINAL SURVEY	15,000.00	7,722.86	1,467.74	1,342.70	11.738	SF
ABND VERT ALAUX F UNIT 1 - OWB - FINAL SURVEY	15,041.35	7,722.05	1,467.16	1,342.36	11.756	CC, ES
ABND VERT CRANDELL E UNIT 1 - OWB - Design #1	17,700.00	7,747.00	1,369.60	1,093.34	4.958	ES, SF
ABND VERT CRANDELL E UNIT 1 - OWB - Design #1	17,721.34	7,747.00	1,369.43	1,093.40	4.961	CC
ABND VERT GOLTL 1 - OWB - Design #1	17,392.51	5,042.00	3,450.19	3,274.93	19.686	CC
ABND VERT GOLTL 1 - OWB - Design #1	17,500.00	5,042.00	3,451.86	3,274.22	19.431	ES
ABND VERT GOLTL 1 - OWB - Design #1	18,600.00	5,042.00	3,655.39	3,455.06	18.248	SF
ABND VERT GOLTL 2 - OWB - Design #1	18,711.24	5,020.00	3,466.85	3,276.34	18.197	CC
ABND VERT GOLTL 2 - OWB - Design #1	18,800.00	5,020.00	3,467.99	3,275.45	18.012	ES
ABND VERT GOLTL 2 - OWB - Design #1	18,942.39	5,020.00	3,474.55	3,278.80	17.750	SF
ABND VERT JL SEARS 1 - OWB - Design #1	16,107.98	5,125.00	3,089.82	2,959.55	23.719	CC, ES
ABND VERT JL SEARS 1 - OWB - Design #1	16,900.00	5,125.00	3,189.72	3,052.80	23.297	SF
ABND VERT JL SEARS 2 - OWB - Design #1	16,074.96	5,148.00	2,580.68	2,486.70	27.459	CC
ABND VERT JL SEARS 2 - OWB - Design #1	16,100.00	5,148.00	2,580.80	2,486.55	27.381	ES
ABND VERT JL SEARS 2 - OWB - Design #1	17,600.00	5,148.00	2,997.61	2,863.91	22.420	SF
ABND VERT MANN 1 - OWB - Design #1	17,375.71	5,050.00	2,802.78	2,672.40	21.497	CC
ABND VERT MANN 1 - OWB - Design #1	17,400.00	5,050.00	2,802.89	2,672.04	21.422	ES
ABND VERT MANN 1 - OWB - Design #1	18,700.00	5,050.00	3,099.89	2,936.52	18.974	SF
ABND VERT MANN 2 - OWB - Design #1	18,715.96	5,048.00	2,793.74	2,651.61	19.656	CC
ABND VERT MANN 2 - OWB - Design #1	18,800.00	5,048.00	2,795.01	2,651.18	19.433	ES
ABND VERT MANN 2 - OWB - Design #1	18,942.39	5,048.00	2,802.90	2,655.91	19.068	SF
EXIST HZ ALAUX 4-0-26 - OWB - FINAL SURVEY	14,176.61	7,775.76	94.36	-17.24	0.846	Level 1, CC
EXIST HZ ALAUX 4-0-26 - OWB - FINAL SURVEY	14,200.00	7,775.67	97.22	-20.40	0.827	Level 1, ES, SF
EXIST HZ CRANDELL 0-6-26 - OWB - FINAL SURVEY	17,981.08	7,912.27	2,261.16	2,086.36	12.936	CC, ES
EXIST HZ CRANDELL 0-6-26 - OWB - FINAL SURVEY	18,000.00	7,912.11	2,261.24	2,086.42	12.935	SF
EXIST HZ CRANDELL 0-8-26 - OWB - FINAL SURVEY	18,942.39	8,145.18	2,371.78	2,166.67	11.564	CC, ES, SF
EXIST HZ CRANDELL 14-26 - OWB - FINAL SURVEY	18,882.48	7,946.78	1,851.40	1,655.22	9.437	CC, ES, SF
EXIST HZ CRANDELL 23-26 - OWB - FINAL SURVEY	17,300.00	7,883.84	405.88	239.52	2.440	ES, SF
EXIST HZ CRANDELL 23-26 - OWB - FINAL SURVEY	17,340.83	7,883.40	403.82	239.84	2.463	CC
EXIST HZ CRANDELL 24-26 - OWB - FINAL SURVEY	18,600.00	7,976.77	288.46	94.46	1.487	Level 3, ES, SF
EXIST HZ CRANDELL 24-26 - OWB - FINAL SURVEY	18,623.61	7,977.11	287.49	96.57	1.506	CC
EXIST HZ CRANDELL 2-8-26 - OWB - FINAL SURVEY	18,942.39	8,073.32	1,141.74	933.77	5.490	CC, ES, SF
EXIST HZ CRANDELL 4-6-26 - OWB - FINAL SURVEY	18,004.79	8,018.21	188.68	11.74	1.066	Level 2, CC, ES, SF
EXIST HZ SEARS 0-4-26 - OWB - FINAL SURVEY	16,631.35	7,872.00	2,279.11	2,125.23	14.811	CC, ES
EXIST HZ SEARS 0-4-26 - OWB - FINAL SURVEY	16,700.00	7,872.00	2,280.14	2,126.16	14.808	SF
EXIST HZ SEARS 2-4-26 - OWB - FINAL SURVEY	16,500.00	7,904.50	1,073.44	917.52	6.884	SF
EXIST HZ SEARS 2-4-26 - OWB - FINAL SURVEY	16,600.00	7,901.99	1,068.37	914.23	6.931	ES
EXIST HZ SEARS 2-4-26 - OWB - FINAL SURVEY	16,604.33	7,901.88	1,068.36	914.32	6.935	CC
EXIST HZ SEARS 4-4-26 - OWB - FINAL SURVEY	16,651.32	7,780.03	148.91	-4.64	0.970	Level 1, CC
EXIST HZ SEARS 4-4-26 - OWB - FINAL SURVEY	16,700.00	7,779.19	156.66	-5.08	0.969	Level 1, ES, SF
EXIST VERT ALAUX 26-5 - OWB - FINAL SURVEY	15,800.00	7,738.20	1,753.03	1,615.54	12.750	SF
EXIST VERT ALAUX 26-5 - OWB - FINAL SURVEY	15,821.15	7,738.22	1,752.90	1,615.48	12.755	CC, ES
EXIST VERT ROBERTS 2 - OWB - Design #1	16,146.66	7,702.00	2,197.66	1,948.69	8.827	CC
EXIST VERT ROBERTS 2 - OWB - Design #1	16,200.00	7,702.00	2,198.31	1,947.62	8.769	ES
EXIST VERT ROBERTS 2 - OWB - Design #1	16,600.00	7,702.00	2,243.93	1,981.99	8.566	SF
EXIST VERT SHANNON ROBERTS 26-5 - OWB - Desig	15,355.29	7,683.00	1,421.56	1,185.82	6.030	CC
EXIST VERT SHANNON ROBERTS 26-5 - OWB - Desig	15,400.00	7,683.00	1,422.27	1,184.78	5.989	ES

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 26-T1N-R68W						
EXIST VERT SHANNON ROBERTS 26-5 - OWB - Desig	15,600.00	7,683.00	1,442.47	1,197.97	5.900	SF
SI VERT ALAUX 26-3 - OWB - Design #1	14,600.00	7,708.00	402.21	176.13	1.779	ES, SF
SI VERT ALAUX 26-3 - OWB - Design #1	14,625.88	7,708.00	401.37	176.78	1.787	CC
SI VERT CRANDELL E UNIT 2 - OWB - Design #1	18,396.56	7,705.00	1,880.59	1,593.86	6.559	CC
SI VERT CRANDELL E UNIT 2 - OWB - Design #1	18,500.00	7,705.00	1,883.43	1,592.99	6.485	ES
SI VERT CRANDELL E UNIT 2 - OWB - Design #1	18,700.00	7,705.00	1,904.91	1,608.46	6.426	SF
SI VERT SEARS 22-26 - OWB - Design #1	15,968.76	7,708.00	224.43	-21.71	0.912	Level 1, CC, ES, SF
SI VERT SHANNON-ROBERTS 2 - OWB - Design #1	16,088.37	5,425.00	3,156.51	2,984.24	18.323	CC
SI VERT SHANNON-ROBERTS 2 - OWB - Design #1	16,200.00	5,425.00	3,158.48	2,983.63	18.064	ES
SI VERT SHANNON-ROBERTS 2 - OWB - Design #1	17,200.00	5,425.00	3,346.53	3,149.83	17.013	SF
SI VERT SHANNON-ROBERTS 3 - OWB - Design #1	14,770.74	5,450.00	2,408.90	2,293.61	20.893	CC
SI VERT SHANNON-ROBERTS 3 - OWB - Design #1	14,800.00	5,450.00	2,409.08	2,293.21	20.791	ES
SI VERT SHANNON-ROBERTS 3 - OWB - Design #1	16,100.00	5,450.00	2,751.32	2,597.47	17.884	SF
SI VERT SHANNON-ROBERTS 4 - OWB - Design #1	16,093.10	5,450.00	2,411.54	2,284.15	18.931	CC
SI VERT SHANNON-ROBERTS 4 - OWB - Design #1	16,100.00	5,450.00	2,411.55	2,284.02	18.910	ES
SI VERT SHANNON-ROBERTS 4 - OWB - Design #1	17,300.00	5,450.00	2,696.69	2,535.02	16.680	SF
SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Desi	14,766.02	5,400.00	3,154.43	2,998.59	20.241	CC
SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Desi	14,800.00	5,400.00	3,154.62	2,998.05	20.149	ES
SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Desi	16,000.00	5,400.00	3,387.21	3,204.58	18.547	SF

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1 - OWB - Design #1												Offset Site Error: 0.00 usft		
Survey Program: 0-INC-ONLY												Offset Well Error: 0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	35.26	232.05	164.08	284.60					
100.00	100.00	85.00	85.00	0.13	0.68	35.26	232.05	164.08	284.20	283.39	0.81	351.112		
200.00	200.00	185.00	185.00	0.49	2.28	35.26	232.05	164.08	284.20	281.43	2.77	102.579		
300.00	300.00	285.00	285.00	0.85	4.02	35.26	232.05	164.08	284.20	279.33	4.87	58.305		
400.00	400.00	385.00	385.00	1.21	5.77	35.26	232.05	164.08	284.20	277.22	6.98	40.727		
500.00	500.00	485.00	485.00	1.57	7.51	35.26	232.05	164.08	284.20	275.12	9.08	31.293		
600.00	600.00	585.00	585.00	1.93	9.26	35.26	232.05	164.08	284.20	273.02	11.19	25.407		
700.00	700.00	685.00	685.00	2.29	11.00	35.26	232.05	164.08	284.20	270.91	13.29	21.385		
800.00	800.00	785.00	785.00	2.64	12.75	35.26	232.05	164.08	284.20	268.81	15.39	18.463		
900.00	899.98	884.98	884.98	3.00	14.49	-24.48	232.05	164.08	282.61	265.12	17.49	16.156		
1,000.00	999.84	984.84	984.84	3.35	16.24	-24.97	232.05	164.08	277.86	258.27	19.59	14.184		
1,100.00	1,099.45	1,084.45	1,084.45	3.71	17.98	-25.82	232.05	164.08	269.98	248.29	21.69	12.449		
1,200.00	1,198.70	1,183.70	1,183.70	4.08	19.71	-27.09	232.05	164.08	259.05	235.27	23.78	10.894		
1,300.00	1,297.47	1,282.47	1,282.47	4.47	21.43	-28.89	232.05	164.08	245.20	219.33	25.87	9.478		
1,400.00	1,395.62	1,380.62	1,380.62	4.87	23.15	-31.36	232.05	164.08	228.61	200.65	27.96	8.176		
1,500.00	1,493.06	1,478.06	1,478.06	5.31	24.85	-34.75	232.05	164.08	209.61	179.55	30.06	6.974		
1,600.00	1,589.64	1,574.64	1,574.64	5.77	26.53	-39.45	232.05	164.08	188.69	156.53	32.16	5.867		
1,700.00	1,685.27	1,670.27	1,670.27	6.28	28.20	-46.02	232.05	164.08	166.75	132.45	34.30	4.861		
1,800.00	1,779.82	1,764.82	1,764.82	6.83	29.85	-55.32	232.05	164.08	145.38	108.87	36.51	3.982		
1,900.00	1,873.17	1,858.17	1,858.17	7.43	31.48	-68.25	232.05	164.08	127.44	88.62	38.81	3.284		
2,000.00	1,965.21	1,950.21	1,950.21	8.08	33.09	-84.96	232.05	164.08	117.60	76.44	41.16	2.857		
2,027.49	1,990.27	1,975.27	1,975.27	8.27	33.52	-90.00	232.05	164.08	117.06	75.26	41.80	2.801	CC, ES	
2,100.00	2,055.84	2,040.84	2,040.84	8.79	34.67	-103.37	232.05	164.08	121.08	77.73	43.35	2.793	SF	
2,200.00	2,144.94	2,129.94	2,129.94	9.56	36.22	-119.94	232.05	164.08	139.76	94.53	45.23	3.090		
2,300.00	2,232.39	2,217.39	2,217.39	10.39	37.75	-132.72	232.05	164.08	171.13	124.19	46.94	3.645		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,400.00	2,318.11	2,303.11	2,303.11	11.30	39.25	-141.95	232.05	164.08	211.65	163.02	48.63	4.353		
2,504.60	2,405.78	2,409.22	2,390.78	12.31	41.10	-148.80	232.05	164.08	261.08	210.36	50.72	5.148		
2,600.00	2,484.79	2,469.79	2,469.79	13.28	42.15	-153.77	232.05	164.08	309.81	257.78	52.03	5.954		
2,700.00	2,567.60	2,552.60	2,552.60	14.32	43.60	-157.60	232.05	164.08	362.33	308.55	53.78	6.737		
2,800.00	2,650.41	2,635.41	2,635.41	15.37	45.05	-160.49	232.05	164.08	415.77	360.22	55.55	7.485		
2,900.00	2,733.23	2,718.23	2,718.23	16.44	46.49	-162.74	232.05	164.08	469.82	412.48	57.34	8.194		
3,000.00	2,816.04	2,801.04	2,801.04	17.52	47.94	-164.54	232.05	164.08	524.29	465.15	59.14	8.866		
3,100.00	2,898.85	2,883.85	2,883.85	18.60	49.38	-166.00	232.05	164.08	579.06	518.11	60.95	9.500		
3,200.00	2,981.67	2,966.67	2,966.67	19.69	50.83	-167.22	232.05	164.08	634.06	571.29	62.77	10.101		
3,300.00	3,064.48	3,049.48	3,049.48	20.79	52.27	-168.24	232.05	164.08	689.23	624.62	64.60	10.669		
3,400.00	3,147.30	3,132.30	3,132.30	21.90	53.72	-169.12	232.05	164.08	744.53	678.09	66.44	11.206		
3,500.00	3,230.11	3,215.11	3,215.11	23.00	55.16	-169.87	232.05	164.08	799.93	731.65	68.28	11.715		
3,600.00	3,312.92	3,302.08	3,297.92	24.12	56.68	-170.53	232.05	164.08	855.42	785.22	70.20	12.186		
3,700.00	3,395.74	3,380.74	3,380.74	25.23	58.05	-171.11	232.05	164.08	910.98	839.00	71.98	12.657		
3,800.00	3,478.55	3,463.55	3,463.55	26.35	59.50	-171.62	232.05	164.08	966.59	892.76	73.83	13.092		
3,900.00	3,561.36	3,546.36	3,546.36	27.47	60.94	-172.08	232.05	164.08	1,022.25	946.57	75.69	13.507		
4,000.00	3,644.18	3,629.18	3,629.18	28.59	62.39	-172.49	232.05	164.08	1,077.96	1,000.41	77.54	13.901		
4,100.00	3,726.99	3,711.99	3,711.99	29.72	63.84	-172.86	232.05	164.08	1,133.69	1,054.29	79.41	14.277		
4,200.00	3,809.81	3,805.19	3,794.81	30.85	65.46	-173.19	232.05	164.08	1,189.46	1,108.01	81.45	14.603		
4,300.00	3,892.62	3,877.62	3,877.62	31.98	66.73	-173.50	232.05	164.08	1,245.25	1,162.12	83.14	14.978		
4,400.00	3,975.43	3,960.43	3,960.43	33.11	68.17	-173.77	232.05	164.08	1,301.07	1,216.06	85.00	15.306		
4,500.00	4,058.25	4,043.25	4,043.25	34.24	69.62	-174.03	232.05	164.08	1,356.90	1,270.03	86.87	15.619		
4,600.00	4,141.06	4,126.06	4,126.06	35.37	71.06	-174.27	232.05	164.08	1,412.75	1,324.01	88.75	15.919		
4,700.00	4,223.87	4,208.87	4,208.87	36.50	72.51	-174.48	232.05	164.08	1,468.62	1,378.00	90.62	16.207		
4,800.00	4,306.69	4,308.31	4,291.69	37.64	74.24	-174.69	232.05	164.08	1,524.50	1,431.72	92.78	16.431		
4,900.00	4,389.50	4,374.50	4,374.50	38.77	75.40	-174.88	232.05	164.08	1,580.39	1,486.03	94.37	16.747		
5,000.00	4,472.32	4,457.32	4,457.32	39.91	76.84	-175.05	232.05	164.08	1,636.30	1,540.05	96.25	17.001		
5,100.00	4,555.13	4,540.13	4,540.13	41.05	78.29	-175.21	232.05	164.08	1,692.21	1,594.09	98.12	17.246		
5,200.00	4,637.94	4,553.00	4,553.00	42.18	78.51	-175.24	232.05	164.08	1,749.53	1,651.18	98.35	17.788		
5,300.00	4,720.76	4,553.00	4,553.00	43.32	78.51	-175.24	232.05	164.08	1,810.52	1,712.40	98.12	18.453		
5,400.00	4,803.57	4,553.00	4,553.00	44.46	78.51	-175.24	232.05	164.08	1,874.86	1,777.13	97.73	19.183		
5,500.00	4,886.39	4,553.00	4,553.00	45.60	78.51	-175.24	232.05	164.08	1,942.22	1,844.98	97.24	19.973		
5,600.00	4,969.20	4,553.00	4,553.00	46.74	78.51	-175.24	232.05	164.08	2,012.30	1,915.63	96.66	20.817		
5,700.00	5,052.01	4,553.00	4,553.00	47.88	78.51	-175.24	232.05	164.08	2,084.82	1,988.79	96.03	21.710		
5,800.00	5,134.83	4,553.00	4,553.00	49.02	78.51	-175.24	232.05	164.08	2,159.53	2,064.18	95.35	22.648		
5,900.00	5,217.64	4,553.00	4,553.00	50.16	78.51	-175.24	232.05	164.08	2,236.22	2,141.57	94.65	23.626		
6,000.00	5,300.45	4,553.00	4,553.00	51.30	78.51	-175.24	232.05	164.08	2,314.70	2,220.76	93.94	24.641		
6,100.00	5,383.27	4,553.00	4,553.00	52.45	78.51	-175.24	232.05	164.08	2,394.77	2,301.55	93.22	25.689		
6,200.00	5,466.08	4,553.00	4,553.00	53.59	78.51	-175.24	232.05	164.08	2,476.30	2,383.79	92.51	26.768		
6,300.00	5,548.90	4,553.00	4,553.00	54.73	78.51	-175.24	232.05	164.08	2,559.13	2,467.33	91.81	27.875		
6,400.00	5,631.71	4,553.00	4,553.00	55.87	78.51	-175.24	232.05	164.08	2,643.16	2,552.04	91.12	29.006		
6,500.00	5,714.52	4,553.00	4,553.00	57.02	78.51	-175.24	232.05	164.08	2,728.26	2,637.80	90.46	30.161		
6,600.00	5,797.34	4,553.00	4,553.00	58.16	78.51	-175.24	232.05	164.08	2,814.34	2,724.53	89.81	31.336		
6,700.00	5,880.15	4,553.00	4,553.00	59.30	78.51	-175.24	232.05	164.08	2,901.32	2,812.13	89.19	32.530		
6,800.00	5,962.96	4,553.00	4,553.00	60.45	78.51	-175.24	232.05	164.08	2,989.11	2,900.52	88.59	33.740		
6,900.00	6,045.78	4,553.00	4,553.00	61.59	78.51	-175.24	232.05	164.08	3,077.64	2,989.62	88.02	34.966		
7,000.00	6,128.59	4,553.00	4,553.00	62.73	78.51	-175.24	232.05	164.08	3,166.86	3,079.39	87.47	36.205		
7,100.00	6,211.41	4,553.00	4,553.00	63.88	78.51	-175.24	232.05	164.08	3,256.70	3,169.76	86.95	37.456		
7,200.00	6,294.22	4,553.00	4,553.00	65.02	78.51	-175.24	232.05	164.08	3,347.12	3,260.67	86.45	38.717		
7,300.00	6,377.03	4,553.00	4,553.00	66.17	78.51	-175.24	232.05	164.08	3,438.08	3,352.10	85.98	39.988		
7,400.00	6,459.85	4,553.00	4,553.00	67.31	78.51	-175.24	232.05	164.08	3,529.52	3,443.99	85.53	41.267		
7,500.00	6,542.66	4,553.00	4,553.00	68.46	78.51	-175.24	232.05	164.08	3,621.41	3,536.31	85.10	42.553		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,600.00	6,625.48	4,553.00	4,553.00	69.60	78.51	-175.24	232.05	164.08	3,713.72	3,629.02	84.70	43.845		
7,700.00	6,708.29	4,553.00	4,553.00	70.75	78.51	-175.24	232.05	164.08	3,806.42	3,722.10	84.32	45.142		
7,800.00	6,791.10	4,553.00	4,553.00	71.89	78.51	-175.24	232.05	164.08	3,899.48	3,815.52	83.96	46.443		
7,900.00	6,873.92	4,553.00	4,553.00	73.04	78.51	-175.24	232.05	164.08	3,992.88	3,909.25	83.63	47.747		
8,000.00	6,956.73	4,553.00	4,553.00	74.18	78.51	-175.24	232.05	164.08	4,086.59	4,003.28	83.31	49.054		
8,100.00	7,039.54	4,553.00	4,553.00	75.33	78.51	-175.24	232.05	164.08	4,180.59	4,097.58	83.01	50.361		
8,165.32	7,093.63	4,553.00	4,553.00	76.08	78.51	-175.24	232.05	164.08	4,242.13	4,159.30	82.83	51.216		
8,200.00	7,122.60	4,553.00	4,553.00	76.47	78.51	171.38	232.05	164.08	4,274.71	4,191.99	82.73	51.672		
8,250.00	7,165.05	4,553.00	4,553.00	77.01	78.51	153.60	232.05	164.08	4,321.07	4,238.50	82.56	52.335		
8,300.00	7,208.03	4,553.00	4,553.00	77.52	78.51	137.56	232.05	164.08	4,366.39	4,284.01	82.38	53.002		
8,350.00	7,251.22	4,553.00	4,553.00	77.99	78.51	123.13	232.05	164.08	4,410.39	4,328.22	82.18	53.669		
8,400.00	7,294.28	4,553.00	4,553.00	78.41	78.51	110.25	232.05	164.08	4,452.77	4,370.82	81.95	54.332		
8,450.00	7,336.90	4,553.00	4,553.00	78.78	78.51	98.94	232.05	164.08	4,493.26	4,411.55	81.71	54.990		
8,500.00	7,378.73	4,553.00	4,553.00	79.10	78.51	89.20	232.05	164.08	4,531.60	4,450.15	81.45	55.637		
8,550.00	7,419.47	4,553.00	4,553.00	79.37	78.51	80.92	232.05	164.08	4,567.56	4,486.39	81.17	56.270		
8,600.00	7,458.81	4,553.00	4,553.00	79.59	78.51	73.99	232.05	164.08	4,600.93	4,520.05	80.88	56.884		
8,650.00	7,496.44	4,553.00	4,553.00	79.76	78.51	68.22	232.05	164.08	4,631.51	4,550.93	80.58	57.476		
8,700.00	7,532.08	4,553.00	4,553.00	79.88	78.51	63.44	232.05	164.08	4,659.12	4,578.84	80.28	58.039		
8,750.00	7,565.46	4,553.00	4,553.00	79.95	78.51	59.49	232.05	164.08	4,683.61	4,603.64	79.97	58.568		
8,800.00	7,596.33	4,553.00	4,553.00	79.98	78.51	56.25	232.05	164.08	4,704.84	4,625.18	79.67	59.058		
8,850.00	7,624.44	4,553.00	4,553.00	79.97	78.51	53.60	232.05	164.08	4,722.70	4,643.33	79.37	59.502		
8,900.00	7,649.59	4,553.00	4,553.00	79.93	78.51	51.47	232.05	164.08	4,737.08	4,657.99	79.09	59.894		
8,950.00	7,671.59	4,553.00	4,553.00	79.84	78.51	49.78	232.05	164.08	4,747.92	4,669.09	78.83	60.229		
9,000.00	7,690.26	4,553.00	4,553.00	79.73	78.51	48.48	232.05	164.08	4,755.15	4,676.55	78.60	60.500		
9,050.00	7,705.47	4,553.00	4,553.00	79.59	78.51	47.54	232.05	164.08	4,758.73	4,680.33	78.40	60.702		
9,100.00	7,717.09	4,553.00	4,553.00	79.43	78.51	46.92	232.05	164.08	4,758.65	4,680.42	78.23	60.830		
9,150.00	7,725.04	4,553.00	4,553.00	79.26	78.51	46.61	232.05	164.08	4,754.90	4,676.80	78.10	60.882		
9,200.00	7,729.27	4,553.00	4,553.00	79.06	78.51	46.61	232.05	164.08	4,747.51	4,669.50	78.01	60.854		
9,231.13	7,730.00	4,553.00	4,553.00	78.93	78.51	46.76	232.05	164.08	4,741.08	4,663.10	77.98	60.796		
9,300.00	7,730.00	4,553.00	4,553.00	78.65	78.51	46.76	232.05	164.08	4,725.81	4,647.85	77.96	60.620		
9,400.00	7,730.00	4,553.00	4,553.00	78.26	78.51	46.76	232.05	164.08	4,705.33	4,627.31	78.02	60.308		
9,500.00	7,730.00	4,553.00	4,553.00	77.89	78.51	46.76	232.05	164.08	4,686.90	4,608.69	78.21	59.930		
9,600.00	7,730.00	4,553.00	4,553.00	77.53	78.51	46.76	232.05	164.08	4,670.54	4,592.03	78.51	59.492		
9,700.00	7,730.00	4,553.00	4,553.00	77.19	78.51	46.76	232.05	164.08	4,656.26	4,577.34	78.92	58.999		
9,800.00	7,730.00	4,553.00	4,553.00	76.88	78.51	46.76	232.05	164.08	4,644.10	4,564.66	79.44	58.460		
9,900.00	7,730.00	4,553.00	4,553.00	76.58	78.51	46.76	232.05	164.08	4,634.07	4,554.01	80.06	57.883		
10,000.00	7,730.00	4,553.00	4,553.00	76.30	78.51	46.76	232.05	164.08	4,626.17	4,545.40	80.77	57.276		
10,100.00	7,730.00	4,553.00	4,553.00	76.04	78.51	46.76	232.05	164.08	4,620.43	4,538.86	81.56	56.648		
10,200.00	7,730.00	4,553.00	4,553.00	75.79	78.51	46.76	232.05	164.08	4,616.84	4,534.41	82.43	56.007		
10,300.00	7,730.00	4,553.00	4,553.00	75.57	78.51	46.76	232.05	164.08	4,615.42	4,532.05	83.37	55.360		
10,315.58	7,730.00	4,553.00	4,553.00	75.53	78.51	46.76	232.05	164.08	4,615.39	4,531.87	83.53	55.256		
10,400.00	7,730.00	4,553.00	4,553.00	75.36	78.51	46.76	232.05	164.08	4,616.17	4,531.79	84.37	54.713		
10,500.00	7,730.00	4,553.00	4,553.00	75.18	78.51	46.76	232.05	164.08	4,619.08	4,533.65	85.42	54.072		
10,600.00	7,730.00	4,553.00	4,553.00	75.01	78.51	46.76	232.05	164.08	4,624.15	4,537.62	86.53	53.442		
10,700.00	7,730.00	4,553.00	4,553.00	74.86	78.51	46.76	232.05	164.08	4,631.38	4,543.71	87.67	52.828		
10,800.00	7,730.00	4,553.00	4,553.00	74.74	78.51	46.76	232.05	164.08	4,640.75	4,551.90	88.85	52.233		
10,900.00	7,730.00	4,553.00	4,553.00	74.64	78.51	46.76	232.05	164.08	4,652.25	4,562.19	90.06	51.660		
11,000.00	7,730.00	4,553.00	4,553.00	74.56	78.51	46.76	232.05	164.08	4,665.86	4,574.58	91.29	51.111		
11,100.00	7,730.00	4,553.00	4,553.00	74.51	78.51	46.76	232.05	164.08	4,681.58	4,589.04	92.54	50.589		
11,200.00	7,730.00	4,553.00	4,553.00	74.48	78.51	46.76	232.05	164.08	4,699.37	4,605.56	93.81	50.094		
11,300.00	7,730.00	4,553.00	4,553.00	74.48	78.51	46.76	232.05	164.08	4,719.21	4,624.12	95.09	49.628		
11,400.00	7,730.00	4,553.00	4,553.00	74.50	78.51	46.76	232.05	164.08	4,741.08	4,644.70	96.38	49.193		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,500.00	7,730.00	4,553.00	4,553.00	74.56	78.51	46.76	232.05	164.08	4,764.95	4,667.28	97.67	48.787		
11,600.00	7,730.00	4,553.00	4,553.00	74.66	78.51	46.76	232.05	164.08	4,790.78	4,691.82	98.96	48.411		
11,700.00	7,730.00	4,553.00	4,553.00	74.79	78.51	46.76	232.05	164.08	4,818.56	4,718.31	100.25	48.067		
11,800.00	7,730.00	4,553.00	4,553.00	74.96	78.51	46.76	232.05	164.08	4,848.23	4,746.70	101.53	47.752		
11,900.00	7,730.00	4,553.00	4,553.00	75.17	78.51	46.76	232.05	164.08	4,879.78	4,776.98	102.80	47.468		
12,000.00	7,730.00	4,553.00	4,553.00	75.43	78.51	46.76	232.05	164.08	4,913.16	4,809.10	104.06	47.214		
12,100.00	7,730.00	4,553.00	4,553.00	75.73	78.51	46.76	232.05	164.08	4,948.33	4,843.02	105.31	46.988		
12,200.00	7,730.00	4,553.00	4,553.00	76.09	78.51	46.76	232.05	164.08	4,985.27	4,878.73	106.54	46.791		
12,300.00	7,730.00	4,553.00	4,553.00	76.51	78.51	46.76	232.05	164.08	5,023.92	4,916.16	107.76	46.623		
12,400.00	7,730.00	4,553.00	4,553.00	76.97	78.51	46.76	232.05	164.08	5,064.25	4,955.30	108.95	46.481		
12,500.00	7,730.00	4,553.00	4,553.00	77.50	78.51	46.76	232.05	164.08	5,106.23	4,996.10	110.13	46.367		
12,600.00	7,730.00	4,553.00	4,553.00	78.09	78.51	46.76	232.05	164.08	5,149.80	5,038.52	111.28	46.278		
12,700.00	7,730.00	4,553.00	4,553.00	78.74	78.51	46.76	232.05	164.08	5,194.93	5,082.52	112.41	46.214		
12,800.00	7,730.00	4,553.00	4,553.00	79.45	78.51	46.76	232.05	164.08	5,241.58	5,128.07	113.52	46.174		
12,900.00	7,730.00	4,553.00	4,553.00	80.22	78.51	46.76	232.05	164.08	5,289.71	5,175.11	114.60	46.158		
13,000.00	7,730.00	4,553.00	4,553.00	81.05	78.51	46.76	232.05	164.08	5,339.28	5,223.63	115.66	46.164		
13,100.00	7,730.00	4,553.00	4,553.00	81.94	78.51	46.76	232.05	164.08	5,390.25	5,273.56	116.69	46.193		
13,200.00	7,730.00	4,553.00	4,553.00	82.87	78.51	46.76	232.05	164.08	5,442.58	5,324.89	117.70	46.242		
13,300.00	7,730.00	4,553.00	4,553.00	83.86	78.51	46.76	232.05	164.08	5,496.24	5,377.56	118.68	46.312		
13,400.00	7,730.00	4,553.00	4,553.00	84.90	78.51	46.76	232.05	164.08	5,551.17	5,431.54	119.63	46.402		
13,500.00	7,730.00	4,553.00	4,553.00	85.97	78.51	46.76	232.05	164.08	5,607.35	5,486.79	120.56	46.510		
13,600.00	7,730.00	4,553.00	4,553.00	87.09	78.51	46.76	232.05	164.08	5,664.74	5,543.27	121.47	46.636		
13,700.00	7,730.00	4,553.00	4,553.00	88.25	78.51	46.76	232.05	164.08	5,723.30	5,600.95	122.34	46.780		
13,800.00	7,730.00	4,553.00	4,553.00	89.44	78.51	46.76	232.05	164.08	5,782.99	5,659.80	123.20	46.941		
13,900.00	7,730.00	4,553.00	4,553.00	90.66	78.51	46.76	232.05	164.08	5,843.79	5,719.77	124.02	47.118		
14,000.00	7,730.00	4,553.00	4,553.00	91.92	78.51	46.76	232.05	164.08	5,905.66	5,780.83	124.83	47.310		
14,100.00	7,730.00	4,553.00	4,553.00	93.20	78.51	46.76	232.05	164.08	5,968.56	5,842.95	125.61	47.518		
14,200.00	7,730.00	4,553.00	4,553.00	94.50	78.51	46.76	232.05	164.08	6,032.46	5,906.10	126.36	47.739		
14,300.00	7,730.00	4,553.00	4,553.00	95.83	78.51	46.76	232.05	164.08	6,097.33	5,970.24	127.09	47.975		
14,400.00	7,730.00	4,553.00	4,553.00	97.17	78.51	46.76	232.05	164.08	6,163.14	6,035.34	127.80	48.223		
14,500.00	7,730.00	4,553.00	4,553.00	98.54	78.51	46.76	232.05	164.08	6,229.86	6,101.37	128.49	48.485		
14,600.00	7,730.00	4,553.00	4,553.00	99.92	78.51	46.76	232.05	164.08	6,297.47	6,168.31	129.16	48.758		
14,700.00	7,730.00	4,553.00	4,553.00	101.32	78.51	46.76	232.05	164.08	6,365.92	6,236.12	129.80	49.043		
14,800.00	7,730.00	4,553.00	4,553.00	102.74	78.51	46.76	232.05	164.08	6,435.21	6,304.78	130.43	49.340		
14,900.00	7,730.00	4,553.00	4,553.00	104.17	78.51	46.76	232.05	164.08	6,505.29	6,374.26	131.03	49.647		
15,000.00	7,730.00	4,553.00	4,553.00	105.62	78.51	46.76	232.05	164.08	6,576.14	6,444.53	131.61	49.965		
15,100.00	7,730.00	4,553.00	4,553.00	107.07	78.51	46.76	232.05	164.08	6,647.75	6,515.56	132.18	50.293		
15,200.00	7,730.00	4,553.00	4,553.00	108.54	78.51	46.76	232.05	164.08	6,720.07	6,587.35	132.73	50.630		
15,300.00	7,730.00	4,553.00	4,553.00	110.02	78.51	46.76	232.05	164.08	6,793.11	6,659.85	133.26	50.977		
15,400.00	7,730.00	4,553.00	4,553.00	111.51	78.51	46.76	232.05	164.08	6,866.82	6,733.04	133.77	51.332		
15,500.00	7,730.00	4,553.00	4,553.00	113.01	78.51	46.76	232.05	164.08	6,941.19	6,806.92	134.27	51.696		
15,600.00	7,730.00	4,553.00	4,553.00	114.52	78.51	46.76	232.05	164.08	7,016.19	6,881.44	134.75	52.069		
15,700.00	7,730.00	4,553.00	4,553.00	116.04	78.51	46.76	232.05	164.08	7,091.81	6,956.60	135.21	52.449		
15,800.00	7,730.00	4,553.00	4,553.00	117.56	78.51	46.76	232.05	164.08	7,168.03	7,032.37	135.66	52.836		
15,900.00	7,730.00	4,553.00	4,553.00	119.09	78.51	46.76	232.05	164.08	7,244.83	7,108.73	136.10	53.231		
16,000.00	7,730.00	4,553.00	4,553.00	120.63	78.51	46.76	232.05	164.08	7,322.19	7,185.67	136.52	53.633		
16,100.00	7,730.00	4,553.00	4,553.00	122.18	78.51	46.76	232.05	164.08	7,400.09	7,263.16	136.93	54.042		
16,200.00	7,730.00	4,553.00	4,553.00	123.73	78.51	46.76	232.05	164.08	7,478.52	7,341.19	137.33	54.457		
16,300.00	7,730.00	4,553.00	4,553.00	125.29	78.51	46.76	232.05	164.08	7,557.45	7,419.74	137.71	54.879		
16,400.00	7,730.00	4,553.00	4,553.00	126.86	78.51	46.76	232.05	164.08	7,636.88	7,498.80	138.08	55.306		
16,500.00	7,730.00	4,553.00	4,553.00	128.43	78.51	46.76	232.05	164.08	7,716.79	7,578.35	138.44	55.740		
16,600.00	7,730.00	4,553.00	4,553.00	130.01	78.51	46.76	232.05	164.08	7,797.16	7,658.37	138.79	56.179		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,700.00	7,730.00	4,553.00	4,553.00	131.59	78.51	46.76	232.05	164.08	7,877.99	7,738.86	139.13	56.623		
16,800.00	7,730.00	4,553.00	4,553.00	133.18	78.51	46.76	232.05	164.08	7,959.24	7,819.78	139.46	57.073		
16,900.00	7,730.00	4,553.00	4,553.00	134.77	78.51	46.76	232.05	164.08	8,040.92	7,901.15	139.78	57.527		
17,000.00	7,730.00	4,553.00	4,553.00	136.37	78.51	46.76	232.05	164.08	8,123.01	7,982.93	140.08	57.987		
17,100.00	7,730.00	4,553.00	4,553.00	137.97	78.51	46.76	232.05	164.08	8,205.50	8,065.11	140.38	58.451		
17,200.00	7,730.00	4,553.00	4,553.00	139.57	78.51	46.76	232.05	164.08	8,288.37	8,147.70	140.67	58.919		
17,300.00	7,730.00	4,553.00	4,553.00	141.18	78.51	46.76	232.05	164.08	8,371.62	8,230.66	140.96	59.392		
17,400.00	7,730.00	4,553.00	4,553.00	142.79	78.51	46.76	232.05	164.08	8,455.23	8,314.00	141.23	59.869		
17,500.00	7,730.00	4,553.00	4,553.00	144.41	78.51	46.76	232.05	164.08	8,539.19	8,397.69	141.50	60.350		
17,600.00	7,730.00	4,553.00	4,553.00	146.03	78.51	46.76	232.05	164.08	8,623.49	8,481.74	141.75	60.835		
17,700.00	7,730.00	4,553.00	4,553.00	147.65	78.51	46.76	232.05	164.08	8,708.13	8,566.12	142.00	61.323		
17,800.00	7,730.00	4,553.00	4,553.00	149.28	78.51	46.76	232.05	164.08	8,793.09	8,650.84	142.25	61.815		
17,900.00	7,730.00	4,553.00	4,553.00	150.91	78.51	46.76	232.05	164.08	8,878.36	8,735.87	142.48	62.311		
18,000.00	7,730.00	4,553.00	4,553.00	152.54	78.51	46.76	232.05	164.08	8,963.94	8,821.22	142.72	62.810		
18,100.00	7,730.00	4,553.00	4,553.00	154.18	78.51	46.76	232.05	164.08	9,049.81	8,906.87	142.94	63.312		
18,200.00	7,730.00	4,553.00	4,553.00	155.82	78.51	46.76	232.05	164.08	9,135.97	8,992.81	143.16	63.817		
18,300.00	7,730.00	4,553.00	4,553.00	157.46	78.51	46.76	232.05	164.08	9,222.41	9,079.04	143.37	64.326		
18,400.00	7,730.00	4,553.00	4,553.00	159.11	78.51	46.76	232.05	164.08	9,309.12	9,165.54	143.58	64.837		
18,500.00	7,730.00	4,553.00	4,553.00	160.75	78.51	46.76	232.05	164.08	9,396.09	9,252.31	143.78	65.351		
18,600.00	7,730.00	4,553.00	4,553.00	162.40	78.51	46.76	232.05	164.08	9,483.32	9,339.35	143.98	65.868		
18,700.00	7,730.00	4,553.00	4,553.00	164.05	78.51	46.76	232.05	164.08	9,570.81	9,426.64	144.17	66.387		
18,800.00	7,730.00	4,553.00	4,553.00	165.71	78.51	46.76	232.05	164.08	9,658.53	9,514.18	144.35	66.909		
18,900.00	7,730.00	4,553.00	4,553.00	167.36	78.51	46.76	232.05	164.08	9,746.49	9,601.96	144.54	67.433		
18,942.39	7,730.00	4,553.00	4,553.00	168.07	78.51	46.76	232.05	164.08	9,783.85	9,639.24	144.61	67.656		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1X - OWB - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		Minimum Separation (usft)	Separation Factor
0.00	0.00	0.00	0.00	0.00	0.00	-8.67	257.19	-39.20	260.53				
100.00	100.00	86.00	86.00	0.13	0.67	-8.67	257.19	-39.20	260.16	259.36		0.80	324.239
200.00	200.00	186.00	186.00	0.49	2.28	-8.67	257.19	-39.20	260.16	257.39		2.77	93.901
300.00	300.00	286.00	286.00	0.85	4.02	-8.67	257.19	-39.20	260.16	255.28		4.87	53.373
400.00	400.00	386.00	386.00	1.21	5.77	-8.67	257.19	-39.20	260.16	253.18		6.98	37.282
500.00	500.00	486.00	486.00	1.57	7.51	-8.67	257.19	-39.20	260.16	251.08		9.08	28.646
600.00	600.00	586.00	586.00	1.93	9.26	-8.67	257.19	-39.20	260.16	248.97		11.19	23.258
700.00	700.00	686.00	686.00	2.29	11.00	-8.67	257.19	-39.20	260.16	246.87		13.29	19.576
800.00	800.00	786.00	786.00	2.64	12.75	-8.67	257.19	-39.20	260.16	244.76		15.39	16.901
900.00	899.98	885.98	885.98	3.00	14.49	-68.62	257.19	-39.20	259.52	242.02		17.49	14.835
1,000.00	999.84	985.84	985.84	3.35	16.24	-69.74	257.19	-39.20	257.65	238.06		19.59	13.153
1,100.00	1,099.45	1,085.45	1,085.45	3.71	17.98	-71.63	257.19	-39.20	254.76	233.07		21.69	11.746
1,200.00	1,198.70	1,184.70	1,184.70	4.08	19.71	-74.32	257.19	-39.20	251.17	227.38		23.79	10.557
1,300.00	1,297.47	1,283.47	1,283.47	4.47	21.43	-77.84	257.19	-39.20	247.36	221.46		25.90	9.551
1,400.00	1,395.62	1,381.62	1,381.62	4.87	23.15	-82.21	257.19	-39.20	243.99	215.97		28.02	8.708
1,500.00	1,493.06	1,479.06	1,479.06	5.31	24.85	-87.40	257.19	-39.20	241.91	211.75		30.15	8.023
1,545.26	1,536.88	1,522.88	1,522.88	5.52	25.61	-90.00	257.19	-39.20	241.64	210.51		31.13	7.763 CC
1,600.00	1,589.64	1,575.64	1,575.64	5.77	26.53	-93.32	257.19	-39.20	242.08	209.78		32.30	7.494 ES
1,700.00	1,685.27	1,671.27	1,671.27	6.28	28.20	-99.79	257.19	-39.20	245.58	211.12		34.46	7.127
1,800.00	1,779.82	1,765.82	1,765.82	6.83	29.85	-106.54	257.19	-39.20	253.42	216.81		36.61	6.922
1,900.00	1,873.17	1,859.17	1,859.17	7.43	31.48	-113.29	257.19	-39.20	266.42	227.68		38.74	6.877 SF
2,000.00	1,965.21	1,951.21	1,951.21	8.08	33.09	-119.77	257.19	-39.20	285.09	244.25		40.84	6.981
2,100.00	2,055.84	2,041.84	2,041.84	8.79	34.67	-125.75	257.19	-39.20	309.60	266.71		42.88	7.219
2,200.00	2,144.94	2,130.94	2,130.94	9.56	36.22	-131.12	257.19	-39.20	339.83	294.95		44.88	7.572
2,300.00	2,232.39	2,218.39	2,218.39	10.39	37.75	-135.85	257.19	-39.20	375.50	328.68		46.82	8.020
2,400.00	2,318.11	2,304.11	2,304.11	11.30	39.25	-139.95	257.19	-39.20	416.24	367.52		48.72	8.544
2,504.60	2,405.78	2,408.22	2,391.78	12.31	41.06	-143.61	257.19	-39.20	463.87	412.93		50.94	9.106
2,600.00	2,484.79	2,470.79	2,470.79	13.28	42.15	-147.01	257.19	-39.20	510.27	457.88		52.39	9.740
2,700.00	2,567.60	2,553.60	2,553.60	14.32	43.60	-150.00	257.19	-39.20	560.27	506.07		54.20	10.337
2,800.00	2,650.41	2,636.41	2,636.41	15.37	45.05	-152.54	257.19	-39.20	611.32	555.31		56.01	10.914
2,900.00	2,733.23	2,719.23	2,719.23	16.44	46.49	-154.71	257.19	-39.20	663.18	605.35		57.83	11.469
3,000.00	2,816.04	2,802.04	2,802.04	17.52	47.94	-156.58	257.19	-39.20	715.67	656.03		59.64	11.999
3,100.00	2,898.85	2,884.85	2,884.85	18.60	49.38	-158.20	257.19	-39.20	768.66	707.20		61.46	12.506
3,200.00	2,981.67	2,967.67	2,967.67	19.69	50.83	-159.63	257.19	-39.20	822.06	758.78		63.28	12.990
3,300.00	3,064.48	3,050.48	3,050.48	20.79	52.27	-160.88	257.19	-39.20	875.79	810.68		65.11	13.451
3,400.00	3,147.30	3,133.30	3,133.30	21.90	53.72	-162.00	257.19	-39.20	929.80	862.86		66.94	13.890
3,500.00	3,230.11	3,216.11	3,216.11	23.00	55.16	-162.99	257.19	-39.20	984.03	915.26		68.77	14.308
3,600.00	3,312.92	3,301.08	3,298.92	24.12	56.65	-163.89	257.19	-39.20	1,038.46	967.81		70.65	14.699
3,700.00	3,395.74	3,381.74	3,381.74	25.23	58.05	-164.69	257.19	-39.20	1,093.05	1,020.60		72.45	15.086
3,800.00	3,478.55	3,464.55	3,464.55	26.35	59.50	-165.42	257.19	-39.20	1,147.78	1,073.49		74.30	15.449
3,900.00	3,561.36	3,547.36	3,547.36	27.47	60.94	-166.09	257.19	-39.20	1,202.64	1,126.49		76.14	15.795
4,000.00	3,644.18	3,630.18	3,630.18	28.59	62.39	-166.70	257.19	-39.20	1,257.60	1,179.61		77.99	16.125
4,100.00	3,726.99	3,712.99	3,712.99	29.72	63.84	-167.26	257.19	-39.20	1,312.65	1,232.81		79.84	16.440
4,200.00	3,809.81	3,804.19	3,795.81	30.85	65.43	-167.77	257.19	-39.20	1,367.78	1,285.94		81.84	16.712
4,300.00	3,892.62	3,878.62	3,878.62	31.98	66.73	-168.25	257.19	-39.20	1,422.99	1,339.43		83.55	17.031
4,400.00	3,975.43	3,961.43	3,961.43	33.11	68.17	-168.69	257.19	-39.20	1,478.26	1,392.85		85.41	17.307
4,500.00	4,058.25	4,044.25	4,044.25	34.24	69.62	-169.09	257.19	-39.20	1,533.58	1,446.31		87.27	17.572
4,600.00	4,141.06	4,127.06	4,127.06	35.37	71.06	-169.47	257.19	-39.20	1,588.96	1,499.83		89.13	17.827
4,700.00	4,223.87	4,209.87	4,209.87	36.50	72.51	-169.83	257.19	-39.20	1,644.38	1,553.38		91.00	18.071
4,800.00	4,306.69	4,307.31	4,292.69	37.64	74.21	-170.16	257.19	-39.20	1,699.85	1,606.73		93.12	18.255
4,900.00	4,389.50	4,375.50	4,375.50	38.77	75.40	-170.47	257.19	-39.20	1,755.35	1,660.62		94.73	18.530
5,000.00	4,472.32	4,458.32	4,458.32	39.91	76.84	-170.77	257.19	-39.20	1,810.88	1,714.28		96.60	18.746

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1X - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,541.13	4,541.13	41.05	78.29	-171.04	257.19	-39.20	1,866.45	1,767.98	98.47	18.955		
5,200.00	4,637.94	4,623.94	4,623.94	42.18	79.73	-171.30	257.19	-39.20	1,922.04	1,821.70	100.34	19.155		
5,300.00	4,720.76	4,706.76	4,706.76	43.32	81.18	-171.54	257.19	-39.20	1,977.66	1,875.45	102.21	19.348		
5,400.00	4,803.57	4,789.57	4,789.57	44.46	82.63	-171.78	257.19	-39.20	2,033.31	1,929.22	104.09	19.535		
5,500.00	4,886.39	4,872.39	4,872.39	45.60	84.07	-172.00	257.19	-39.20	2,088.97	1,983.01	105.96	19.714		
5,600.00	4,969.20	4,955.20	4,955.20	46.74	85.52	-172.20	257.19	-39.20	2,144.66	2,036.82	107.84	19.888		
5,700.00	5,052.01	5,038.01	5,038.01	47.88	86.96	-172.40	257.19	-39.20	2,200.36	2,090.65	109.72	20.055		
5,800.00	5,134.83	5,120.83	5,120.83	49.02	88.41	-172.59	257.19	-39.20	2,256.09	2,144.49	111.59	20.217		
5,900.00	5,217.64	5,203.64	5,203.64	50.16	89.85	-172.77	257.19	-39.20	2,311.82	2,198.35	113.47	20.373		
6,000.00	5,300.45	5,286.45	5,286.45	51.30	91.30	-172.94	257.19	-39.20	2,367.58	2,252.22	115.35	20.525		
6,100.00	5,383.27	5,369.27	5,369.27	52.45	92.74	-173.10	257.19	-39.20	2,423.34	2,306.11	117.23	20.671		
6,200.00	5,466.08	5,452.08	5,452.08	53.59	94.19	-173.26	257.19	-39.20	2,479.12	2,360.01	119.12	20.813		
6,300.00	5,548.90	5,534.90	5,534.90	54.73	95.63	-173.40	257.19	-39.20	2,534.91	2,413.91	121.00	20.950		
6,400.00	5,631.71	5,617.71	5,617.71	55.87	97.08	-173.55	257.19	-39.20	2,590.72	2,467.83	122.88	21.083		
6,500.00	5,714.52	5,700.52	5,700.52	57.02	98.52	-173.68	257.19	-39.20	2,646.53	2,521.76	124.77	21.212		
6,600.00	5,797.34	5,783.34	5,783.34	58.16	99.97	-173.81	257.19	-39.20	2,702.35	2,575.70	126.65	21.337		
6,700.00	5,880.15	5,866.15	5,866.15	59.30	101.41	-173.94	257.19	-39.20	2,758.18	2,629.65	128.54	21.458		
6,800.00	5,962.96	5,948.96	5,948.96	60.45	102.86	-174.06	257.19	-39.20	2,814.03	2,683.60	130.42	21.576		
6,900.00	6,045.78	6,031.78	6,031.78	61.59	104.31	-174.17	257.19	-39.20	2,869.88	2,737.56	132.31	21.690		
7,000.00	6,128.59	6,114.59	6,114.59	62.73	105.75	-174.29	257.19	-39.20	2,925.73	2,791.53	134.20	21.801		
7,100.00	6,211.41	6,202.59	6,197.41	63.88	107.29	-174.39	257.19	-39.20	2,981.60	2,845.42	136.18	21.895		
7,200.00	6,294.22	6,280.22	6,280.22	65.02	108.64	-174.50	257.19	-39.20	3,037.47	2,899.49	137.98	22.014		
7,300.00	6,377.03	6,363.03	6,363.03	66.17	110.09	-174.59	257.19	-39.20	3,093.35	2,953.48	139.87	22.116		
7,400.00	6,459.85	6,445.85	6,445.85	67.31	111.53	-174.69	257.19	-39.20	3,149.23	3,007.47	141.76	22.216		
7,500.00	6,542.66	6,528.66	6,528.66	68.46	112.98	-174.78	257.19	-39.20	3,205.12	3,061.47	143.65	22.312		
7,600.00	6,625.48	6,611.48	6,611.48	69.60	114.42	-174.87	257.19	-39.20	3,261.02	3,115.48	145.54	22.406		
7,700.00	6,708.29	6,705.71	6,694.29	70.75	116.07	-174.96	257.19	-39.20	3,316.92	3,169.29	147.63	22.467		
7,800.00	6,791.10	6,777.10	6,777.10	71.89	117.31	-175.04	257.19	-39.20	3,372.82	3,223.50	149.33	22.587		
7,900.00	6,873.92	6,859.92	6,859.92	73.04	118.76	-175.12	257.19	-39.20	3,428.73	3,277.52	151.22	22.674		
8,000.00	6,956.73	6,942.73	6,942.73	74.18	120.20	-175.20	257.19	-39.20	3,484.65	3,331.54	153.11	22.759		
8,100.00	7,039.54	7,025.54	7,025.54	75.33	121.65	-175.28	257.19	-39.20	3,540.57	3,385.56	155.01	22.841		
8,165.32	7,093.63	7,079.63	7,079.63	76.08	122.59	-175.33	257.19	-39.20	3,577.10	3,420.85	156.25	22.894		
8,200.00	7,122.60	7,108.60	7,108.60	76.47	123.10	-177.74	257.19	-39.20	3,596.16	3,439.26	156.91	22.919		
8,250.00	7,165.05	7,151.05	7,151.05	77.01	123.84	167.34	257.19	-39.20	3,622.39	3,464.53	157.87	22.946		
8,300.00	7,208.03	7,205.97	7,194.03	77.52	124.80	156.66	257.19	-39.20	3,646.97	3,487.93	159.04	22.931		
8,350.00	7,251.22	7,237.22	7,237.22	77.99	125.34	146.06	257.19	-39.20	3,669.72	3,509.93	159.79	22.966		
8,400.00	7,294.28	7,280.28	7,280.28	78.41	126.10	135.96	257.19	-39.20	3,690.51	3,529.78	160.74	22.960		
8,450.00	7,336.90	7,322.90	7,322.90	78.78	126.84	126.70	257.19	-39.20	3,709.24	3,547.57	161.67	22.944		
8,500.00	7,378.73	7,364.73	7,364.73	79.10	127.57	118.54	257.19	-39.20	3,725.80	3,563.23	162.57	22.918		
8,550.00	7,419.47	7,405.47	7,405.47	79.37	128.28	111.55	257.19	-39.20	3,740.13	3,576.69	163.44	22.884		
8,600.00	7,458.81	7,444.81	7,444.81	79.59	128.97	105.70	257.19	-39.20	3,752.19	3,587.91	164.28	22.841		
8,650.00	7,496.44	7,482.44	7,482.44	79.76	129.62	100.90	257.19	-39.20	3,761.96	3,596.89	165.07	22.790		
8,700.00	7,532.08	7,518.08	7,518.08	79.88	130.25	97.02	257.19	-39.20	3,769.44	3,603.63	165.82	22.733		
8,750.00	7,565.46	7,551.46	7,551.46	79.95	130.83	93.94	257.19	-39.20	3,774.64	3,608.13	166.51	22.669		
8,800.00	7,596.33	7,582.33	7,582.33	79.98	131.37	91.56	257.19	-39.20	3,777.61	3,610.44	167.16	22.599		
8,850.00	7,624.44	7,610.44	7,610.44	79.97	131.86	89.77	257.19	-39.20	3,778.37	3,610.62	167.76	22.523		
8,900.00	7,649.59	7,635.59	7,635.59	79.93	132.30	88.52	257.19	-39.20	3,777.00	3,608.70	168.30	22.442		
8,950.00	7,671.59	7,657.59	7,657.59	79.84	132.68	87.72	257.19	-39.20	3,773.57	3,604.78	168.78	22.357		
9,000.00	7,690.26	7,676.26	7,676.26	79.73	133.01	87.34	257.19	-39.20	3,768.14	3,598.93	169.21	22.269		
9,050.00	7,705.47	7,708.53	7,691.47	79.59	133.57	87.32	257.19	-39.20	3,760.81	3,590.92	169.88	22.137		
9,100.00	7,717.09	7,703.09	7,703.09	79.43	133.48	87.65	257.19	-39.20	3,751.66	3,581.75	169.90	22.081		
9,150.00	7,725.04	7,711.04	7,711.04	79.26	133.61	88.30	257.19	-39.20	3,740.78	3,570.61	170.17	21.983		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1X - OWB - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-INCL-ONLY													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,715.27	7,715.27	79.06	133.69	89.26	257.19	-39.20	3,728.26	3,557.89	170.37	21.883		
9,231.13	7,730.00	7,716.00	7,716.00	78.93	133.70	90.00	257.19	-39.20	3,719.68	3,549.20	170.48	21.819		
9,300.00	7,730.00	7,716.00	7,716.00	78.65	133.70	90.00	257.19	-39.20	3,700.64	3,529.96	170.69	21.681		
9,400.00	7,730.00	7,716.00	7,716.00	78.26	133.70	90.00	257.19	-39.20	3,675.12	3,504.09	171.04	21.487		
9,500.00	7,730.00	7,716.00	7,716.00	77.89	133.70	90.00	257.19	-39.20	3,652.17	3,480.73	171.43	21.304		
9,600.00	7,730.00	7,716.00	7,716.00	77.53	133.70	90.00	257.19	-39.20	3,631.82	3,459.94	171.88	21.130		
9,700.00	7,730.00	7,716.00	7,716.00	77.19	133.70	90.00	257.19	-39.20	3,614.12	3,441.75	172.37	20.967		
9,800.00	7,730.00	7,716.00	7,716.00	76.88	133.70	90.00	257.19	-39.20	3,599.12	3,426.21	172.91	20.815		
9,900.00	7,730.00	7,716.00	7,716.00	76.58	133.70	90.00	257.19	-39.20	3,586.84	3,413.36	173.48	20.676		
10,000.00	7,730.00	7,716.00	7,716.00	76.30	133.70	90.00	257.19	-39.20	3,577.31	3,403.22	174.09	20.548		
10,100.00	7,730.00	7,716.00	7,716.00	76.04	133.70	90.00	257.19	-39.20	3,570.57	3,395.83	174.74	20.434		
10,200.00	7,730.00	7,716.00	7,716.00	75.79	133.70	90.00	257.19	-39.20	3,566.61	3,391.20	175.41	20.333		
10,291.13	7,730.00	7,716.00	7,716.00	75.59	133.70	90.00	257.19	-39.20	3,565.45	3,389.40	176.05	20.252		
10,300.00	7,730.00	7,716.00	7,716.00	75.57	133.70	90.00	257.19	-39.20	3,565.46	3,389.35	176.11	20.245		
10,400.00	7,730.00	7,716.00	7,716.00	75.36	133.70	90.00	257.19	-39.20	3,567.11	3,390.28	176.83	20.172		
10,500.00	7,730.00	7,716.00	7,716.00	75.18	133.70	90.00	257.19	-39.20	3,571.56	3,393.99	177.57	20.114		
10,600.00	7,730.00	7,716.00	7,716.00	75.01	133.70	90.00	257.19	-39.20	3,578.80	3,400.49	178.32	20.070		
10,700.00	7,730.00	7,716.00	7,716.00	74.86	133.70	90.00	257.19	-39.20	3,588.82	3,409.75	179.07	20.041		
10,800.00	7,730.00	7,716.00	7,716.00	74.74	133.70	90.00	257.19	-39.20	3,601.58	3,421.75	179.83	20.028		
10,900.00	7,730.00	7,716.00	7,716.00	74.64	133.70	90.00	257.19	-39.20	3,617.06	3,436.48	180.59	20.030		
11,000.00	7,730.00	7,716.00	7,716.00	74.56	133.70	90.00	257.19	-39.20	3,635.23	3,453.89	181.34	20.047		
11,100.00	7,730.00	7,716.00	7,716.00	74.51	133.70	90.00	257.19	-39.20	3,656.05	3,473.96	182.08	20.079		
11,200.00	7,730.00	7,716.00	7,716.00	74.48	133.70	90.00	257.19	-39.20	3,679.46	3,496.65	182.82	20.126		
11,300.00	7,730.00	7,716.00	7,716.00	74.48	133.70	90.00	257.19	-39.20	3,705.43	3,521.89	183.54	20.189		
11,400.00	7,730.00	7,716.00	7,716.00	74.50	133.70	90.00	257.19	-39.20	3,733.90	3,549.65	184.25	20.266		
11,500.00	7,730.00	7,716.00	7,716.00	74.56	133.70	90.00	257.19	-39.20	3,764.81	3,579.87	184.94	20.357		
11,600.00	7,730.00	7,716.00	7,716.00	74.66	133.70	90.00	257.19	-39.20	3,798.10	3,612.49	185.61	20.463		
11,700.00	7,730.00	7,716.00	7,716.00	74.79	133.70	90.00	257.19	-39.20	3,833.71	3,647.45	186.26	20.583		
11,800.00	7,730.00	7,716.00	7,716.00	74.96	133.70	90.00	257.19	-39.20	3,871.58	3,684.69	186.89	20.716		
11,900.00	7,730.00	7,716.00	7,716.00	75.17	133.70	90.00	257.19	-39.20	3,911.63	3,724.14	187.49	20.863		
12,000.00	7,730.00	7,716.00	7,716.00	75.43	133.70	90.00	257.19	-39.20	3,953.81	3,765.74	188.07	21.023		
12,100.00	7,730.00	7,716.00	7,716.00	75.73	133.70	90.00	257.19	-39.20	3,998.05	3,809.42	188.63	21.195		
12,200.00	7,730.00	7,716.00	7,716.00	76.09	133.70	90.00	257.19	-39.20	4,044.28	3,855.11	189.17	21.379		
12,300.00	7,730.00	7,716.00	7,716.00	76.51	133.70	90.00	257.19	-39.20	4,092.43	3,902.75	189.68	21.576		
12,400.00	7,730.00	7,716.00	7,716.00	76.97	133.70	90.00	257.19	-39.20	4,142.43	3,952.27	190.17	21.783		
12,500.00	7,730.00	7,716.00	7,716.00	77.50	133.70	90.00	257.19	-39.20	4,194.22	4,003.59	190.63	22.002		
12,600.00	7,730.00	7,716.00	7,716.00	78.09	133.70	90.00	257.19	-39.20	4,247.74	4,056.67	191.07	22.231		
12,700.00	7,730.00	7,716.00	7,716.00	78.74	133.70	90.00	257.19	-39.20	4,302.91	4,111.42	191.49	22.470		
12,800.00	7,730.00	7,716.00	7,716.00	79.45	133.70	90.00	257.19	-39.20	4,359.68	4,167.79	191.89	22.719		
12,900.00	7,730.00	7,716.00	7,716.00	80.22	133.70	90.00	257.19	-39.20	4,417.99	4,225.72	192.27	22.978		
13,000.00	7,730.00	7,716.00	7,716.00	81.05	133.70	90.00	257.19	-39.20	4,477.77	4,285.14	192.63	23.245		
13,100.00	7,730.00	7,716.00	7,716.00	81.94	133.70	90.00	257.19	-39.20	4,538.96	4,345.99	192.97	23.522		
13,200.00	7,730.00	7,716.00	7,716.00	82.87	133.70	90.00	257.19	-39.20	4,601.51	4,408.22	193.29	23.806		
13,300.00	7,730.00	7,716.00	7,716.00	83.86	133.70	90.00	257.19	-39.20	4,665.37	4,471.78	193.59	24.099		
13,400.00	7,730.00	7,716.00	7,716.00	84.90	133.70	90.00	257.19	-39.20	4,730.48	4,536.61	193.88	24.399		
13,500.00	7,730.00	7,716.00	7,716.00	85.97	133.70	90.00	257.19	-39.20	4,796.80	4,602.65	194.15	24.707		
13,600.00	7,730.00	7,716.00	7,716.00	87.09	133.70	90.00	257.19	-39.20	4,864.26	4,669.86	194.40	25.022		
13,700.00	7,730.00	7,716.00	7,716.00	88.25	133.70	90.00	257.19	-39.20	4,932.83	4,738.19	194.64	25.343		
13,800.00	7,730.00	7,716.00	7,716.00	89.44	133.70	90.00	257.19	-39.20	5,002.46	4,807.59	194.87	25.671		
13,900.00	7,730.00	7,716.00	7,716.00	90.66	133.70	90.00	257.19	-39.20	5,073.10	4,878.02	195.08	26.005		
14,000.00	7,730.00	7,716.00	7,716.00	91.92	133.70	90.00	257.19	-39.20	5,144.72	4,949.44	195.28	26.346		
14,100.00	7,730.00	7,716.00	7,716.00	93.20	133.70	90.00	257.19	-39.20	5,217.27	5,021.80	195.47	26.691		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1X - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,716.00	7,716.00	94.50	133.70	90.00	257.19	-39.20	5,290.71	5,095.07	195.64	27.043		
14,300.00	7,730.00	7,716.00	7,716.00	95.83	133.70	90.00	257.19	-39.20	5,365.02	5,169.21	195.81	27.399		
14,400.00	7,730.00	7,716.00	7,716.00	97.17	133.70	90.00	257.19	-39.20	5,440.15	5,244.18	195.97	27.760		
14,500.00	7,730.00	7,716.00	7,716.00	98.54	133.70	90.00	257.19	-39.20	5,516.07	5,319.95	196.12	28.127		
14,600.00	7,730.00	7,716.00	7,716.00	99.92	133.70	90.00	257.19	-39.20	5,592.74	5,396.49	196.26	28.497		
14,700.00	7,730.00	7,716.00	7,716.00	101.32	133.70	90.00	257.19	-39.20	5,670.14	5,473.76	196.39	28.872		
14,800.00	7,730.00	7,716.00	7,716.00	102.74	133.70	90.00	257.19	-39.20	5,748.24	5,551.73	196.51	29.252		
14,900.00	7,730.00	7,716.00	7,716.00	104.17	133.70	90.00	257.19	-39.20	5,827.01	5,630.39	196.63	29.635		
15,000.00	7,730.00	7,716.00	7,716.00	105.62	133.70	90.00	257.19	-39.20	5,906.42	5,709.69	196.74	30.022		
15,100.00	7,730.00	7,716.00	7,716.00	107.07	133.70	90.00	257.19	-39.20	5,986.45	5,789.61	196.84	30.413		
15,200.00	7,730.00	7,716.00	7,716.00	108.54	133.70	90.00	257.19	-39.20	6,067.07	5,870.14	196.94	30.807		
15,300.00	7,730.00	7,716.00	7,716.00	110.02	133.70	90.00	257.19	-39.20	6,148.27	5,951.24	197.03	31.205		
15,400.00	7,730.00	7,716.00	7,716.00	111.51	133.70	90.00	257.19	-39.20	6,230.00	6,032.89	197.11	31.606		
15,500.00	7,730.00	7,716.00	7,716.00	113.01	133.70	90.00	257.19	-39.20	6,312.27	6,115.07	197.20	32.010		
15,600.00	7,730.00	7,716.00	7,716.00	114.52	133.70	90.00	257.19	-39.20	6,395.04	6,197.76	197.27	32.417		
15,700.00	7,730.00	7,716.00	7,716.00	116.04	133.70	90.00	257.19	-39.20	6,478.29	6,280.95	197.35	32.827		
15,800.00	7,730.00	7,716.00	7,716.00	117.56	133.70	90.00	257.19	-39.20	6,562.01	6,364.60	197.41	33.240		
15,900.00	7,730.00	7,716.00	7,716.00	119.09	133.70	90.00	257.19	-39.20	6,646.19	6,448.71	197.48	33.655		
16,000.00	7,730.00	7,716.00	7,716.00	120.63	133.70	90.00	257.19	-39.20	6,730.79	6,533.25	197.54	34.073		
16,100.00	7,730.00	7,716.00	7,716.00	122.18	133.70	90.00	257.19	-39.20	6,815.82	6,618.22	197.60	34.493		
16,200.00	7,730.00	7,716.00	7,716.00	123.73	133.70	90.00	257.19	-39.20	6,901.24	6,703.59	197.66	34.915		
16,300.00	7,730.00	7,716.00	7,716.00	125.29	133.70	90.00	257.19	-39.20	6,987.05	6,789.34	197.71	35.340		
16,400.00	7,730.00	7,716.00	7,716.00	126.86	133.70	90.00	257.19	-39.20	7,073.24	6,875.48	197.76	35.767		
16,500.00	7,730.00	7,716.00	7,716.00	128.43	133.70	90.00	257.19	-39.20	7,159.78	6,961.97	197.81	36.196		
16,600.00	7,730.00	7,716.00	7,716.00	130.01	133.70	90.00	257.19	-39.20	7,246.67	7,048.82	197.85	36.626		
16,700.00	7,730.00	7,716.00	7,716.00	131.59	133.70	90.00	257.19	-39.20	7,333.89	7,136.00	197.90	37.059		
16,800.00	7,730.00	7,716.00	7,716.00	133.18	133.70	90.00	257.19	-39.20	7,421.44	7,223.50	197.94	37.494		
16,900.00	7,730.00	7,716.00	7,716.00	134.77	133.70	90.00	257.19	-39.20	7,509.30	7,311.32	197.98	37.930		
17,000.00	7,730.00	7,716.00	7,716.00	136.37	133.70	90.00	257.19	-39.20	7,597.45	7,399.44	198.02	38.368		
17,100.00	7,730.00	7,716.00	7,716.00	137.97	133.70	90.00	257.19	-39.20	7,685.90	7,487.85	198.05	38.807		
17,200.00	7,730.00	7,716.00	7,716.00	139.57	133.70	90.00	257.19	-39.20	7,774.63	7,576.54	198.09	39.248		
17,300.00	7,730.00	7,716.00	7,716.00	141.18	133.70	90.00	257.19	-39.20	7,863.63	7,665.50	198.12	39.690		
17,400.00	7,730.00	7,716.00	7,716.00	142.79	133.70	90.00	257.19	-39.20	7,952.89	7,754.73	198.16	40.134		
17,500.00	7,730.00	7,716.00	7,716.00	144.41	133.70	90.00	257.19	-39.20	8,042.40	7,844.21	198.19	40.579		
17,600.00	7,730.00	7,716.00	7,716.00	146.03	133.70	90.00	257.19	-39.20	8,132.16	7,933.93	198.22	41.026		
17,700.00	7,730.00	7,716.00	7,716.00	147.65	133.70	90.00	257.19	-39.20	8,222.15	8,023.90	198.25	41.473		
17,800.00	7,730.00	7,716.00	7,716.00	149.28	133.70	90.00	257.19	-39.20	8,312.37	8,114.09	198.28	41.922		
17,900.00	7,730.00	7,716.00	7,716.00	150.91	133.70	90.00	257.19	-39.20	8,402.81	8,204.50	198.31	42.372		
18,000.00	7,730.00	7,716.00	7,716.00	152.54	133.70	90.00	257.19	-39.20	8,493.47	8,295.13	198.34	42.823		
18,100.00	7,730.00	7,716.00	7,716.00	154.18	133.70	90.00	257.19	-39.20	8,584.34	8,385.97	198.37	43.275		
18,200.00	7,730.00	7,716.00	7,716.00	155.82	133.70	90.00	257.19	-39.20	8,675.40	8,477.01	198.39	43.729		
18,300.00	7,730.00	7,716.00	7,716.00	157.46	133.70	90.00	257.19	-39.20	8,766.66	8,568.24	198.42	44.183		
18,400.00	7,730.00	7,716.00	7,716.00	159.11	133.70	90.00	257.19	-39.20	8,858.11	8,659.67	198.44	44.638		
18,500.00	7,730.00	7,716.00	7,716.00	160.75	133.70	90.00	257.19	-39.20	8,949.74	8,751.27	198.47	45.094		
18,600.00	7,730.00	7,716.00	7,716.00	162.40	133.70	90.00	257.19	-39.20	9,041.55	8,843.06	198.50	45.550		
18,700.00	7,730.00	7,716.00	7,716.00	164.05	133.70	90.00	257.19	-39.20	9,133.54	8,935.01	198.52	46.008		
18,800.00	7,730.00	7,716.00	7,716.00	165.71	133.70	90.00	257.19	-39.20	9,225.68	9,027.14	198.55	46.466		
18,900.00	7,730.00	7,716.00	7,716.00	167.36	133.70	90.00	257.19	-39.20	9,317.99	9,119.42	198.57	46.925		
18,942.39	7,730.00	7,716.00	7,716.00	168.07	133.70	90.00	257.19	-39.20	9,357.17	9,158.59	198.58	47.120		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1B-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	-89.58	0.36	-49.84	49.84					
100.00	100.00	101.00	101.00	0.13	0.14	-89.58	0.36	-49.84	49.84	49.57	0.27	182.947		
200.00	200.00	201.00	201.00	0.49	0.50	-89.58	0.36	-49.84	49.84	48.85	0.99	50.377		
300.00	300.00	301.00	301.00	0.85	0.85	-89.58	0.36	-49.84	49.84	48.14	1.71	29.210		
400.00	400.00	401.00	401.00	1.21	1.21	-89.58	0.36	-49.84	49.84	47.42	2.42	20.568		
500.00	500.00	501.00	501.00	1.57	1.57	-89.58	0.36	-49.84	49.84	46.70	3.14	15.872		
600.00	600.00	601.00	601.00	1.93	1.93	-89.58	0.36	-49.84	49.84	45.98	3.86	12.922		
700.00	700.00	701.00	701.00	2.29	2.29	-89.58	0.36	-49.84	49.84	45.27	4.57	10.897		
800.00	800.00	801.00	801.00	2.64	2.65	-89.58	0.36	-49.84	49.84	44.55	5.29	9.420 CC, ES		
900.00	899.98	900.98	900.98	3.00	3.01	-150.15	0.36	-49.84	51.35	45.34	6.00	8.553		
1,000.00	999.84	1,000.84	1,000.84	3.35	3.36	-152.78	0.36	-49.84	55.95	49.23	6.71	8.333		
1,100.00	1,099.45	1,100.45	1,100.45	3.71	3.72	-156.29	0.36	-49.84	63.83	56.40	7.43	8.595		
1,200.00	1,198.70	1,200.30	1,199.70	4.08	4.08	-159.95	0.36	-49.84	75.15	67.01	8.14	9.231		
1,300.00	1,297.47	1,298.47	1,298.47	4.47	4.43	-163.27	0.36	-49.84	90.02	81.17	8.85	10.169		
1,400.00	1,395.62	1,399.85	1,399.83	4.87	4.79	-165.69	1.64	-48.66	107.00	97.43	9.57	11.180		
1,500.00	1,493.06	1,501.85	1,501.69	5.31	5.16	-166.99	5.57	-45.00	124.42	114.13	10.29	12.095		
1,600.00	1,589.64	1,604.43	1,603.85	5.77	5.52	-167.54	12.19	-38.83	142.16	131.16	11.00	12.919		
1,700.00	1,685.27	1,707.56	1,706.19	6.28	5.90	-167.60	21.55	-30.12	160.17	148.44	11.72	13.662		
1,800.00	1,779.82	1,811.25	1,808.54	6.83	6.29	-167.29	33.67	-18.84	178.41	165.97	12.45	14.331		
1,900.00	1,873.17	1,915.48	1,910.76	7.43	6.70	-166.73	48.58	-4.97	196.89	183.71	13.19	14.930		
2,000.00	1,965.21	2,020.25	2,012.68	8.08	7.13	-165.97	66.29	11.52	215.60	201.66	13.94	15.465		
2,100.00	2,055.84	2,125.53	2,114.15	8.79	7.60	-165.06	86.83	30.63	234.55	219.84	14.72	15.936		
2,200.00	2,144.94	2,231.32	2,215.00	9.56	8.10	-164.02	110.21	52.39	253.75	238.23	15.53	16.342		
2,300.00	2,232.39	2,337.61	2,315.07	10.39	8.65	-162.90	136.42	76.78	273.21	256.83	16.38	16.681		
2,400.00	2,318.11	2,444.38	2,414.18	11.30	9.25	-161.70	165.47	103.82	292.94	275.66	17.28	16.951		
2,504.60	2,405.78	2,556.56	2,516.65	12.31	9.93	-160.38	198.88	134.91	313.89	295.59	18.30	17.157		
2,600.00	2,484.79	2,651.50	2,602.38	13.28	10.55	-159.37	228.75	162.71	332.75	313.44	19.31	17.228		
2,700.00	2,567.60	2,749.37	2,690.73	14.32	11.22	-158.44	259.57	191.39	352.58	332.15	20.43	17.260		
2,800.00	2,650.41	2,847.23	2,779.07	15.37	11.90	-157.61	290.39	220.08	372.49	350.91	21.58	17.264		
2,900.00	2,733.23	2,945.09	2,867.41	16.44	12.60	-156.87	321.21	248.76	392.46	369.71	22.76	17.247		
3,000.00	2,816.04	3,042.95	2,955.76	17.52	13.31	-156.19	352.03	277.44	412.49	388.53	23.96	17.213		
3,100.00	2,898.85	3,140.82	3,044.10	18.60	14.04	-155.58	382.85	306.13	432.58	407.38	25.20	17.168		
3,200.00	2,981.67	3,238.68	3,132.44	19.69	14.77	-155.02	413.67	334.81	452.70	426.25	26.45	17.115		
3,300.00	3,064.48	3,336.54	3,220.78	20.79	15.51	-154.51	444.49	363.49	472.87	445.14	27.73	17.055		
3,400.00	3,147.30	3,434.41	3,309.13	21.90	16.26	-154.04	475.31	392.18	493.06	464.05	29.02	16.992		
3,500.00	3,230.11	3,532.27	3,397.47	23.00	17.01	-153.61	506.13	420.86	513.29	482.96	30.32	16.927		
3,600.00	3,312.92	3,630.13	3,485.81	24.12	17.77	-153.21	536.95	449.54	533.54	501.90	31.64	16.861		
3,700.00	3,395.74	3,727.99	3,574.16	25.23	18.54	-152.84	567.77	478.23	553.81	520.84	32.98	16.794		
3,800.00	3,478.55	3,825.86	3,662.50	26.35	19.31	-152.50	598.59	506.91	574.11	539.79	34.32	16.728		
3,900.00	3,561.36	3,923.72	3,750.84	27.47	20.08	-152.18	629.41	535.59	594.42	558.75	35.67	16.662		
4,000.00	3,644.18	4,021.58	3,839.18	28.59	20.86	-151.88	660.23	564.28	614.75	577.72	37.04	16.598		
4,100.00	3,726.99	4,119.44	3,927.53	29.72	21.64	-151.60	691.05	592.96	635.10	596.69	38.41	16.535		
4,200.00	3,809.81	4,217.31	4,015.87	30.85	22.42	-151.33	721.87	621.64	655.46	615.67	39.79	16.474		
4,300.00	3,892.62	4,315.17	4,104.21	31.98	23.20	-151.09	752.70	650.33	675.83	634.66	41.17	16.415		
4,400.00	3,975.43	4,413.03	4,192.56	33.11	23.99	-150.85	783.52	679.01	696.21	653.65	42.56	16.358		
4,500.00	4,058.25	4,510.89	4,280.90	34.24	24.78	-150.63	814.34	707.70	716.61	672.65	43.96	16.302		
4,600.00	4,141.06	4,608.76	4,369.24	35.37	25.56	-150.43	845.16	736.38	737.01	691.65	45.36	16.248		
4,700.00	4,223.87	4,706.62	4,457.58	36.50	26.36	-150.23	875.98	765.06	757.42	710.65	46.77	16.196		
4,800.00	4,306.69	4,804.48	4,545.93	37.64	27.15	-150.05	906.80	793.75	777.84	729.66	48.18	16.145		
4,900.00	4,389.50	4,902.35	4,634.27	38.77	27.94	-149.87	937.62	822.43	798.27	748.68	49.59	16.097		
5,000.00	4,472.32	5,000.21	4,722.61	39.91	28.74	-149.70	968.44	851.11	818.70	767.69	51.01	16.050		
5,100.00	4,555.13	5,101.93	4,810.96	41.05	29.57	-149.54	999.26	879.80	839.14	786.69	52.46	15.997		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1B-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	5,204.07	4,899.30	42.18	30.40	-149.39	1,030.08	908.48	859.59	805.68	53.91	15.945		
5,300.00	4,720.76	5,306.20	4,987.64	43.32	31.23	-149.25	1,060.90	937.16	880.04	824.67	55.36	15.895		
5,400.00	4,803.57	5,408.34	5,075.98	44.46	32.07	-149.11	1,091.72	965.85	900.50	843.67	56.82	15.847		
5,500.00	4,886.39	5,489.52	5,164.33	45.60	32.73	-148.98	1,122.54	994.53	920.96	862.81	58.15	15.839		
5,600.00	4,969.20	5,587.38	5,252.67	46.74	33.53	-148.85	1,153.36	1,023.21	941.42	881.84	59.58	15.801		
5,700.00	5,052.01	5,685.25	5,341.01	47.88	34.33	-148.73	1,184.18	1,051.90	961.89	900.88	61.02	15.764		
5,800.00	5,134.83	5,783.11	5,429.36	49.02	35.13	-148.61	1,215.00	1,080.58	982.37	919.91	62.46	15.728		
5,900.00	5,217.64	5,880.97	5,517.70	50.16	35.94	-148.50	1,245.82	1,109.27	1,002.85	938.95	63.90	15.694		
6,000.00	5,300.45	5,978.83	5,606.04	51.30	36.74	-148.40	1,276.64	1,137.95	1,023.33	957.99	65.34	15.661		
6,100.00	5,383.27	6,076.70	5,694.38	52.45	37.54	-148.29	1,307.46	1,166.63	1,043.81	977.03	66.79	15.629		
6,200.00	5,466.08	6,174.56	5,782.73	53.59	38.35	-148.20	1,338.28	1,195.32	1,064.30	996.07	68.23	15.598		
6,300.00	5,548.90	6,272.42	5,871.07	54.73	39.15	-148.10	1,369.10	1,224.00	1,084.79	1,015.11	69.68	15.568		
6,400.00	5,631.71	6,370.29	5,959.41	55.87	39.96	-148.01	1,399.92	1,252.68	1,105.28	1,034.15	71.13	15.539		
6,500.00	5,714.52	6,468.15	6,047.76	57.02	40.76	-147.92	1,430.75	1,281.37	1,125.78	1,053.20	72.58	15.511		
6,600.00	5,797.34	6,566.01	6,136.10	58.16	41.57	-147.84	1,461.57	1,310.05	1,146.28	1,072.25	74.03	15.483		
6,700.00	5,880.15	6,663.87	6,224.44	59.30	42.38	-147.75	1,492.39	1,338.73	1,166.78	1,091.29	75.49	15.457		
6,800.00	5,962.96	6,761.74	6,312.78	60.45	43.18	-147.68	1,523.21	1,367.42	1,187.28	1,110.34	76.94	15.431		
6,900.00	6,045.78	6,859.60	6,401.13	61.59	43.99	-147.60	1,554.03	1,396.10	1,207.79	1,129.39	78.40	15.406		
7,000.00	6,128.59	6,957.46	6,489.47	62.73	44.80	-147.53	1,584.85	1,424.78	1,228.30	1,148.44	79.85	15.382		
7,100.00	6,211.41	7,055.32	6,577.81	63.88	45.61	-147.45	1,615.67	1,453.47	1,248.80	1,167.50	81.31	15.359		
7,200.00	6,294.22	7,153.19	6,666.16	65.02	46.41	-147.39	1,646.49	1,482.15	1,269.31	1,186.55	82.77	15.336		
7,300.00	6,377.03	7,251.05	6,754.50	66.17	47.22	-147.32	1,677.31	1,510.84	1,289.83	1,205.60	84.23	15.314		
7,400.00	6,459.85	7,348.91	6,842.84	67.31	48.03	-147.25	1,708.13	1,539.52	1,310.34	1,224.66	85.69	15.292		
7,500.00	6,542.66	7,446.78	6,931.18	68.46	48.84	-147.19	1,738.95	1,568.20	1,330.86	1,243.71	87.15	15.271		
7,600.00	6,625.48	7,544.64	7,019.53	69.60	49.65	-147.13	1,769.77	1,596.89	1,351.37	1,262.77	88.61	15.251		
7,700.00	6,708.29	7,642.50	7,107.87	70.75	50.46	-147.07	1,800.59	1,625.57	1,371.89	1,281.82	90.07	15.231		
7,800.00	6,791.10	7,747.92	7,203.77	71.89	51.30	-147.12	1,831.18	1,656.70	1,392.28	1,300.79	91.49	15.219		
7,900.00	6,873.92	7,857.72	7,307.23	73.04	52.00	-147.93	1,845.08	1,690.21	1,411.86	1,319.86	92.01	15.345		
8,000.00	6,956.73	7,957.34	7,401.75	74.18	52.41	-149.36	1,839.55	1,720.77	1,431.23	1,339.65	91.59	15.627		
8,100.00	7,039.54	8,043.13	7,481.39	75.33	52.61	-151.06	1,821.06	1,746.47	1,451.56	1,360.95	90.61	16.020		
8,165.32	7,093.63	8,091.43	7,524.81	76.08	52.66	-152.20	1,805.21	1,760.47	1,465.93	1,376.10	89.82	16.320		
8,200.00	7,122.60	8,115.31	7,545.77	76.47	52.67	-158.44	1,795.97	1,767.21	1,474.04	1,384.65	89.40	16.489		
8,250.00	7,165.05	8,149.06	7,574.73	77.01	52.67	-168.15	1,781.36	1,776.53	1,486.34	1,397.52	88.82	16.734		
8,300.00	7,208.03	8,182.14	7,602.26	77.52	52.64	-178.50	1,765.33	1,785.39	1,499.19	1,410.91	88.28	16.983		
8,350.00	7,251.22	8,214.66	7,628.44	77.99	52.61	170.89	1,747.97	1,793.79	1,512.42	1,424.64	87.78	17.230		
8,400.00	7,294.28	8,246.71	7,653.28	78.41	52.56	160.49	1,729.36	1,801.77	1,525.88	1,438.56	87.32	17.475		
8,450.00	7,336.90	8,278.37	7,676.81	78.78	52.49	150.70	1,709.57	1,809.31	1,539.39	1,452.50	86.89	17.717		
8,500.00	7,378.73	8,309.71	7,699.04	79.10	52.41	141.79	1,688.67	1,816.43	1,552.81	1,466.31	86.50	17.951		
8,550.00	7,419.47	8,340.78	7,719.98	79.37	52.32	133.88	1,666.72	1,823.13	1,565.99	1,479.84	86.15	18.177		
8,600.00	7,458.81	8,371.62	7,739.61	79.59	52.22	126.97	1,643.78	1,829.41	1,578.79	1,492.95	85.84	18.393		
8,650.00	7,496.44	8,400.00	7,756.62	79.76	52.12	121.03	1,621.72	1,834.83	1,591.08	1,505.45	85.63	18.580		
8,700.00	7,532.08	8,432.79	7,774.95	79.88	51.99	115.87	1,595.17	1,840.67	1,602.74	1,517.41	85.33	18.782		
8,750.00	7,565.46	8,463.17	7,790.62	79.95	51.86	111.49	1,569.63	1,845.65	1,613.66	1,528.52	85.14	18.953		
8,800.00	7,596.33	8,493.46	7,804.93	79.98	51.72	107.76	1,543.34	1,850.20	1,623.74	1,538.75	84.99	19.104		
8,850.00	7,624.44	8,523.66	7,817.88	79.97	51.58	104.61	1,516.36	1,854.29	1,632.88	1,548.00	84.89	19.236		
8,900.00	7,649.59	8,550.00	7,828.05	79.93	51.45	101.99	1,492.27	1,857.50	1,641.02	1,556.07	84.95	19.317		
8,950.00	7,671.59	8,583.89	7,839.56	79.84	51.28	99.80	1,460.61	1,861.12	1,648.07	1,563.25	84.81	19.432		
9,000.00	7,690.26	8,613.95	7,848.27	79.73	51.12	98.05	1,431.97	1,863.84	1,653.98	1,569.13	84.84	19.494		
9,050.00	7,705.47	8,650.00	7,856.82	79.59	50.93	96.68	1,397.06	1,866.48	1,658.72	1,574.01	84.71	19.582		
9,100.00	7,717.09	8,674.02	7,861.35	79.43	50.79	95.71	1,373.51	1,867.87	1,662.19	1,577.15	85.04	19.546		
9,150.00	7,725.04	8,700.00	7,865.18	79.26	50.65	95.08	1,347.84	1,869.02	1,664.44	1,579.09	85.34	19.503		
9,200.00	7,729.27	8,734.09	7,868.52	79.06	50.45	94.79	1,313.94	1,869.99	1,665.40	1,580.00	85.39	19.502		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1B-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	8,750.00	7,869.43	78.93	50.36	94.77	1,298.06	1,870.23	1,665.36	1,579.72	85.64	19.447		
9,267.92	7,730.00	8,778.44	7,870.00	78.78	50.20	94.79	1,274.00	1,870.33	1,665.18	1,579.46	85.71	19.427		
9,300.00	7,730.00	8,806.15	7,870.00	78.65	50.04	94.79	1,241.91	1,870.22	1,665.18	1,579.77	85.41	19.496		
9,400.00	7,730.00	8,906.15	7,870.00	78.26	49.50	94.79	1,141.91	1,869.88	1,665.18	1,580.68	84.49	19.708		
9,500.00	7,730.00	9,006.15	7,870.00	77.89	48.98	94.79	1,041.91	1,869.54	1,665.18	1,581.46	83.72	19.891		
9,600.00	7,730.00	9,106.15	7,870.00	77.53	48.49	94.79	941.92	1,869.20	1,665.18	1,582.10	83.08	20.042		
9,700.00	7,730.00	9,206.15	7,870.00	77.19	48.03	94.79	841.92	1,868.86	1,665.18	1,582.59	82.60	20.161		
9,800.00	7,730.00	9,306.15	7,870.00	76.88	47.60	94.79	741.92	1,868.52	1,665.19	1,582.93	82.26	20.244		
9,900.00	7,730.00	9,406.15	7,870.00	76.58	47.19	94.79	641.92	1,868.18	1,665.19	1,583.12	82.07	20.290		
10,000.00	7,730.00	9,506.15	7,870.00	76.30	46.81	94.79	541.92	1,867.84	1,665.19	1,583.16	82.03	20.299		
10,100.00	7,730.00	9,606.15	7,870.00	76.04	46.45	94.79	441.92	1,867.50	1,665.19	1,583.04	82.15	20.271		
10,200.00	7,730.00	9,706.15	7,870.00	75.79	46.12	94.79	341.92	1,867.16	1,665.19	1,582.78	82.42	20.205		
10,300.00	7,730.00	9,806.15	7,870.00	75.57	45.81	94.79	241.92	1,866.82	1,665.20	1,582.36	82.83	20.103		
10,400.00	7,730.00	9,906.15	7,870.00	75.36	45.52	94.79	141.92	1,866.48	1,665.20	1,581.80	83.40	19.967		
10,500.00	7,730.00	10,006.15	7,870.00	75.18	45.25	94.79	41.92	1,866.14	1,665.20	1,581.10	84.10	19.799		
10,600.00	7,730.00	10,106.15	7,870.00	75.01	45.02	94.79	-58.08	1,865.80	1,665.20	1,580.25	84.95	19.601		
10,700.00	7,730.00	10,206.15	7,870.00	74.86	44.81	94.79	-158.08	1,865.46	1,665.20	1,579.27	85.94	19.377		
10,800.00	7,730.00	10,306.15	7,870.00	74.74	44.65	94.79	-258.08	1,865.12	1,665.21	1,578.15	87.06	19.128		
10,900.00	7,730.00	10,406.15	7,870.00	74.64	44.56	94.79	-358.08	1,864.78	1,665.21	1,576.91	88.30	18.858		
11,000.00	7,730.00	10,506.15	7,870.00	74.56	44.59	94.79	-458.08	1,864.44	1,665.21	1,575.54	89.67	18.571		
11,100.00	7,730.00	10,606.15	7,870.00	74.51	44.84	94.79	-558.08	1,864.11	1,665.21	1,574.07	91.15	18.269		
11,200.00	7,730.00	10,706.15	7,870.00	74.48	45.40	94.79	-658.08	1,863.77	1,665.22	1,572.48	92.74	17.956		
11,300.00	7,730.00	10,806.15	7,870.00	74.48	46.20	94.79	-758.08	1,863.43	1,665.22	1,570.78	94.44	17.633		
11,400.00	7,730.00	10,906.15	7,870.00	74.50	47.15	94.79	-858.07	1,863.09	1,665.22	1,568.99	96.23	17.304		
11,500.00	7,730.00	11,006.15	7,870.00	74.56	48.19	94.79	-958.07	1,862.75	1,665.22	1,567.10	98.12	16.971		
11,600.00	7,730.00	11,106.15	7,870.00	74.66	49.29	94.79	-1,058.07	1,862.41	1,665.22	1,565.13	100.10	16.636		
11,700.00	7,730.00	11,206.15	7,870.00	74.79	50.44	94.79	-1,158.07	1,862.07	1,665.23	1,563.07	102.16	16.300		
11,800.00	7,730.00	11,306.15	7,870.00	74.96	51.62	94.79	-1,258.07	1,861.73	1,665.23	1,560.93	104.30	15.966		
11,900.00	7,730.00	11,406.15	7,870.00	75.17	52.84	94.79	-1,358.07	1,861.39	1,665.23	1,558.72	106.51	15.635		
12,000.00	7,730.00	11,506.15	7,870.00	75.43	54.08	94.79	-1,458.07	1,861.05	1,665.23	1,556.44	108.79	15.307		
12,100.00	7,730.00	11,606.15	7,870.00	75.73	55.35	94.79	-1,558.07	1,860.71	1,665.23	1,554.10	111.14	14.984		
12,200.00	7,730.00	11,706.15	7,870.00	76.09	56.64	94.79	-1,658.07	1,860.37	1,665.24	1,551.69	113.54	14.666		
12,300.00	7,730.00	11,806.15	7,870.00	76.51	57.96	94.79	-1,758.07	1,860.03	1,665.24	1,549.23	116.01	14.354		
12,400.00	7,730.00	11,906.15	7,870.00	76.97	59.30	94.79	-1,858.07	1,859.69	1,665.24	1,546.71	118.53	14.050		
12,500.00	7,730.00	12,006.15	7,870.00	77.50	60.65	94.79	-1,958.07	1,859.35	1,665.24	1,544.15	121.09	13.752		
12,600.00	7,730.00	12,106.15	7,870.00	78.09	62.03	94.79	-2,058.07	1,859.01	1,665.24	1,541.53	123.71	13.461		
12,700.00	7,730.00	12,206.15	7,870.00	78.74	63.42	94.79	-2,158.07	1,858.67	1,665.25	1,538.88	126.37	13.178		
12,800.00	7,730.00	12,306.15	7,870.00	79.45	64.82	94.79	-2,258.07	1,858.33	1,665.25	1,536.18	129.07	12.902		
12,900.00	7,730.00	12,406.15	7,870.00	80.22	66.25	94.79	-2,358.07	1,857.99	1,665.25	1,533.44	131.81	12.634		
13,000.00	7,730.00	12,506.15	7,870.00	81.05	67.68	94.79	-2,458.07	1,857.65	1,665.25	1,530.67	134.58	12.373		
13,100.00	7,730.00	12,606.15	7,870.00	81.94	69.13	94.79	-2,558.06	1,857.31	1,665.25	1,527.86	137.39	12.120		
13,200.00	7,730.00	12,706.15	7,870.00	82.87	70.60	94.79	-2,658.06	1,856.97	1,665.26	1,525.02	140.23	11.875		
13,300.00	7,730.00	12,806.15	7,870.00	83.86	72.07	94.79	-2,758.06	1,856.63	1,665.26	1,522.15	143.11	11.636		
13,400.00	7,730.00	12,906.15	7,870.00	84.90	73.56	94.79	-2,858.06	1,856.29	1,665.26	1,519.25	146.01	11.405		
13,500.00	7,730.00	13,006.15	7,870.00	85.97	75.06	94.79	-2,958.06	1,855.95	1,665.26	1,516.33	148.94	11.181		
13,600.00	7,730.00	13,106.15	7,870.00	87.09	76.56	94.79	-3,058.06	1,855.61	1,665.26	1,513.38	151.89	10.964		
13,700.00	7,730.00	13,206.15	7,870.00	88.25	78.08	94.79	-3,158.06	1,855.27	1,665.27	1,510.40	154.87	10.753		
13,800.00	7,730.00	13,306.15	7,870.00	89.44	79.61	94.79	-3,258.06	1,854.93	1,665.27	1,507.40	157.87	10.549		
13,900.00	7,730.00	13,406.15	7,870.00	90.66	81.14	94.79	-3,358.06	1,854.59	1,665.27	1,504.38	160.89	10.351		
14,000.00	7,730.00	13,506.15	7,870.00	91.92	82.68	94.79	-3,458.06	1,854.25	1,665.27	1,501.35	163.93	10.159		
14,100.00	7,730.00	13,606.15	7,870.00	93.20	84.23	94.79	-3,558.06	1,853.91	1,665.27	1,498.29	166.99	9.973		
14,200.00	7,730.00	13,706.15	7,870.00	94.50	85.79	94.79	-3,658.06	1,853.57	1,665.28	1,495.21	170.06	9.792		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1B-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	13,806.15	7,870.00	95.83	87.36	94.79	-3,758.06	1,853.23	1,665.28	1,492.12	173.16	9.617		
14,400.00	7,730.00	13,906.15	7,870.00	97.17	88.93	94.79	-3,858.06	1,852.89	1,665.28	1,489.01	176.27	9.447		
14,500.00	7,730.00	14,006.15	7,870.00	98.54	90.51	94.79	-3,958.06	1,852.55	1,665.28	1,485.89	179.40	9.283		
14,600.00	7,730.00	14,106.15	7,870.00	99.92	92.10	94.79	-4,058.06	1,852.21	1,665.28	1,482.75	182.54	9.123		
14,700.00	7,730.00	14,206.15	7,870.00	101.32	93.69	94.79	-4,158.06	1,851.88	1,665.29	1,479.60	185.69	8.968		
14,800.00	7,730.00	14,306.15	7,870.00	102.74	95.28	94.79	-4,258.05	1,851.54	1,665.29	1,476.43	188.86	8.818		
14,900.00	7,730.00	14,406.15	7,870.00	104.17	96.88	94.79	-4,358.05	1,851.20	1,665.29	1,473.25	192.04	8.672		
15,000.00	7,730.00	14,506.15	7,870.00	105.62	98.49	94.79	-4,458.05	1,850.86	1,665.29	1,470.06	195.23	8.530		
15,100.00	7,730.00	14,606.15	7,870.00	107.07	100.10	94.79	-4,558.05	1,850.52	1,665.30	1,466.86	198.43	8.392		
15,200.00	7,730.00	14,706.15	7,870.00	108.54	101.72	94.79	-4,658.05	1,850.18	1,665.30	1,463.65	201.65	8.258		
15,300.00	7,730.00	14,806.15	7,870.00	110.02	103.34	94.79	-4,758.05	1,849.84	1,665.30	1,460.43	204.87	8.128		
15,400.00	7,730.00	14,906.15	7,870.00	111.51	104.97	94.79	-4,858.05	1,849.50	1,665.30	1,457.20	208.11	8.002		
15,500.00	7,730.00	15,006.15	7,870.00	113.01	106.60	94.79	-4,958.05	1,849.16	1,665.30	1,453.95	211.35	7.879		
15,600.00	7,730.00	15,106.15	7,870.00	114.52	108.23	94.79	-5,058.05	1,848.82	1,665.31	1,450.70	214.60	7.760		
15,700.00	7,730.00	15,206.15	7,870.00	116.04	109.87	94.79	-5,158.05	1,848.48	1,665.31	1,447.45	217.86	7.644		
15,800.00	7,730.00	15,306.15	7,870.00	117.56	111.51	94.79	-5,258.05	1,848.14	1,665.31	1,444.18	221.13	7.531		
15,900.00	7,730.00	15,406.15	7,870.00	119.09	113.15	94.79	-5,358.05	1,847.80	1,665.31	1,440.91	224.41	7.421		
16,000.00	7,730.00	15,506.15	7,870.00	120.63	114.80	94.79	-5,458.05	1,847.46	1,665.31	1,437.62	227.69	7.314		
16,100.00	7,730.00	15,606.15	7,870.00	122.18	116.45	94.79	-5,558.05	1,847.12	1,665.32	1,434.34	230.98	7.210		
16,200.00	7,730.00	15,706.15	7,870.00	123.73	118.11	94.79	-5,658.05	1,846.78	1,665.32	1,431.04	234.28	7.108		
16,300.00	7,730.00	15,806.15	7,870.00	125.29	119.76	94.79	-5,758.05	1,846.44	1,665.32	1,427.74	237.58	7.009		
16,400.00	7,730.00	15,906.15	7,870.00	126.86	121.42	94.79	-5,858.05	1,846.10	1,665.32	1,424.43	240.89	6.913		
16,500.00	7,730.00	16,006.15	7,870.00	128.43	123.09	94.79	-5,958.05	1,845.76	1,665.32	1,421.12	244.21	6.819		
16,600.00	7,730.00	16,106.15	7,870.00	130.01	124.75	94.79	-6,058.04	1,845.42	1,665.33	1,417.80	247.53	6.728		
16,700.00	7,730.00	16,206.15	7,870.00	131.59	126.42	94.79	-6,158.04	1,845.08	1,665.33	1,414.47	250.86	6.639		
16,800.00	7,730.00	16,306.15	7,870.00	133.18	128.09	94.79	-6,258.04	1,844.74	1,665.33	1,411.14	254.19	6.551		
16,900.00	7,730.00	16,406.15	7,870.00	134.77	129.76	94.79	-6,358.04	1,844.40	1,665.33	1,407.80	257.53	6.467		
17,000.00	7,730.00	16,506.15	7,870.00	136.37	131.44	94.79	-6,458.04	1,844.06	1,665.33	1,404.46	260.87	6.384		
17,100.00	7,730.00	16,606.15	7,870.00	137.97	133.11	94.79	-6,558.04	1,843.72	1,665.34	1,401.12	264.22	6.303		
17,200.00	7,730.00	16,706.15	7,870.00	139.57	134.79	94.79	-6,658.04	1,843.38	1,665.34	1,397.77	267.57	6.224		
17,300.00	7,730.00	16,806.15	7,870.00	141.18	136.48	94.79	-6,758.04	1,843.04	1,665.34	1,394.41	270.93	6.147		
17,400.00	7,730.00	16,906.15	7,870.00	142.79	138.16	94.79	-6,858.04	1,842.70	1,665.34	1,391.05	274.29	6.071		
17,500.00	7,730.00	17,006.15	7,870.00	144.41	139.84	94.79	-6,958.04	1,842.36	1,665.34	1,387.69	277.65	5.998		
17,600.00	7,730.00	17,106.15	7,870.00	146.03	141.53	94.79	-7,058.04	1,842.02	1,665.35	1,384.32	281.02	5.926		
17,700.00	7,730.00	17,206.15	7,870.00	147.65	143.22	94.79	-7,158.04	1,841.68	1,665.35	1,380.95	284.40	5.856		
17,800.00	7,730.00	17,306.15	7,870.00	149.28	144.91	94.79	-7,258.04	1,841.34	1,665.35	1,377.58	287.77	5.787		
17,900.00	7,730.00	17,406.15	7,870.00	150.91	146.60	94.79	-7,358.04	1,841.00	1,665.35	1,374.20	291.15	5.720		
18,000.00	7,730.00	17,506.15	7,870.00	152.54	148.30	94.79	-7,458.04	1,840.66	1,665.35	1,370.82	294.54	5.654		
18,100.00	7,730.00	17,606.15	7,870.00	154.18	149.99	94.79	-7,558.04	1,840.32	1,665.36	1,367.43	297.92	5.590		
18,200.00	7,730.00	17,706.15	7,870.00	155.82	151.69	94.79	-7,658.04	1,839.98	1,665.36	1,364.05	301.31	5.527		
18,300.00	7,730.00	17,806.15	7,870.00	157.46	153.39	94.79	-7,758.03	1,839.64	1,665.36	1,360.66	304.70	5.465		
18,400.00	7,730.00	17,906.15	7,870.00	159.11	155.09	94.79	-7,858.03	1,839.31	1,665.36	1,357.26	308.10	5.405		
18,500.00	7,730.00	18,006.15	7,870.00	160.75	156.79	94.79	-7,958.03	1,838.97	1,665.37	1,353.87	311.50	5.346		
18,600.00	7,730.00	18,106.15	7,870.00	162.40	158.50	94.79	-8,058.03	1,838.63	1,665.37	1,350.47	314.90	5.289		
18,700.00	7,730.00	18,206.15	7,870.00	164.05	160.20	94.79	-8,158.03	1,838.29	1,665.37	1,347.07	318.30	5.232		
18,800.00	7,730.00	18,306.15	7,870.00	165.71	161.91	94.79	-8,258.03	1,837.95	1,665.37	1,343.66	321.71	5.177		
18,900.00	7,730.00	18,406.15	7,870.00	167.36	163.61	94.79	-8,358.03	1,837.61	1,665.37	1,340.25	325.12	5.122		
18,942.39	7,730.00	18,448.54	7,870.00	168.07	164.34	94.79	-8,400.42	1,837.46	1,665.37	1,338.81	326.56	5.100 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1C-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	-90.00	0.00	-40.04	40.04					
100.00	100.00	101.00	101.00	0.13	0.14	-90.00	0.00	-40.04	40.04	39.77	0.27	146.970		
200.00	200.00	201.00	201.00	0.49	0.50	-90.00	0.00	-40.04	40.04	39.05	0.99	40.470		
300.00	300.00	301.00	301.00	0.85	0.85	-90.00	0.00	-40.04	40.04	38.33	1.71	23.466		
400.00	400.00	401.00	401.00	1.21	1.21	-90.00	0.00	-40.04	40.04	37.62	2.42	16.523		
500.00	500.00	501.00	501.00	1.57	1.57	-90.00	0.00	-40.04	40.04	36.90	3.14	12.751		
600.00	600.00	601.00	601.00	1.93	1.93	-90.00	0.00	-40.04	40.04	36.18	3.86	10.381		
700.00	700.00	701.00	701.00	2.29	2.29	-90.00	0.00	-40.04	40.04	35.47	4.57	8.754		
800.00	800.00	801.00	801.00	2.64	2.65	-90.00	0.00	-40.04	40.04	34.75	5.29	7.568 CC, ES		
900.00	899.98	900.98	900.98	3.00	3.01	-150.79	0.00	-40.04	41.55	35.55	6.00	6.922		
1,000.00	999.84	1,000.84	1,000.84	3.35	3.36	-153.92	0.00	-40.04	46.19	39.48	6.71	6.880		
1,100.00	1,099.45	1,100.45	1,100.45	3.71	3.72	-157.91	0.00	-40.04	54.16	46.73	7.43	7.293		
1,200.00	1,198.70	1,199.70	1,199.70	4.08	4.08	-161.84	0.00	-40.04	65.62	57.48	8.14	8.062		
1,300.00	1,297.47	1,300.96	1,300.94	4.47	4.44	-164.72	1.21	-38.74	79.10	70.25	8.85	8.934		
1,400.00	1,395.62	1,402.70	1,402.53	4.87	4.80	-166.28	4.88	-34.79	92.92	83.36	9.56	9.716		
1,500.00	1,493.06	1,504.91	1,504.34	5.31	5.16	-167.03	11.03	-28.16	106.98	96.71	10.27	10.413		
1,600.00	1,589.64	1,607.60	1,606.22	5.77	5.54	-167.23	19.70	-18.83	121.21	110.23	10.98	11.035		
1,700.00	1,685.27	1,710.74	1,708.04	6.28	5.93	-167.05	30.90	-6.77	135.59	123.89	11.70	11.589		
1,800.00	1,779.82	1,814.35	1,809.66	6.83	6.34	-166.59	44.65	8.05	150.10	137.68	12.42	12.084		
1,900.00	1,873.17	1,918.41	1,910.91	7.43	6.77	-165.93	60.97	25.62	164.75	151.59	13.16	12.521		
2,000.00	1,965.21	2,022.92	2,011.65	8.08	7.24	-165.11	79.87	45.98	179.53	165.62	13.91	12.905		
2,100.00	2,055.84	2,127.86	2,111.73	8.79	7.75	-164.18	101.35	69.11	194.45	179.76	14.69	13.235		
2,200.00	2,144.94	2,233.23	2,210.98	9.56	8.30	-163.14	125.42	95.03	209.51	194.01	15.51	13.511		
2,300.00	2,232.39	2,339.03	2,309.25	10.39	8.90	-162.03	152.06	123.72	224.73	208.36	16.37	13.731		
2,400.00	2,318.11	2,445.23	2,406.39	11.30	9.56	-160.86	181.27	155.17	240.11	222.82	17.28	13.893		
2,504.60	2,405.78	2,556.75	2,506.60	12.31	10.32	-159.58	214.56	191.02	256.37	238.06	18.31	14.000		
2,600.00	2,484.79	2,652.78	2,591.74	13.28	11.02	-158.54	244.78	223.57	270.74	251.37	19.37	13.978		
2,700.00	2,567.60	2,751.53	2,679.24	14.32	11.76	-157.57	275.93	257.11	285.80	265.27	20.53	13.919		
2,800.00	2,650.41	2,850.28	2,766.74	15.37	12.52	-156.70	307.07	290.65	300.94	279.20	21.74	13.844		
2,900.00	2,733.23	2,949.03	2,854.24	16.44	13.30	-155.90	338.21	324.19	316.13	293.16	22.98	13.760		
3,000.00	2,816.04	3,047.78	2,941.74	17.52	14.09	-155.19	369.36	357.73	331.38	307.14	24.24	13.669		
3,100.00	2,898.85	3,146.53	3,029.24	18.60	14.90	-154.53	400.50	391.27	346.68	321.14	25.54	13.574		
3,200.00	2,981.67	3,245.27	3,116.75	19.69	15.71	-153.93	431.65	424.81	362.02	335.16	26.86	13.478		
3,300.00	3,064.48	3,344.02	3,204.25	20.79	16.53	-153.38	462.79	458.35	377.39	349.19	28.20	13.382		
3,400.00	3,147.30	3,442.77	3,291.75	21.90	17.36	-152.87	493.93	491.89	392.80	363.24	29.56	13.288		
3,500.00	3,230.11	3,541.52	3,379.25	23.00	18.20	-152.40	525.08	525.42	408.23	377.29	30.94	13.196		
3,600.00	3,312.92	3,640.27	3,466.75	24.12	19.04	-151.97	556.22	558.96	423.69	391.36	32.33	13.106		
3,700.00	3,395.74	3,739.02	3,554.25	25.23	19.88	-151.56	587.36	592.50	439.16	405.43	33.73	13.019		
3,800.00	3,478.55	3,837.77	3,641.76	26.35	20.73	-151.19	618.51	626.04	454.66	419.51	35.15	12.935		
3,900.00	3,561.36	3,936.52	3,729.26	27.47	21.58	-150.84	649.65	659.58	470.18	433.60	36.58	12.854		
4,000.00	3,644.18	4,035.26	3,816.76	28.59	22.44	-150.51	680.79	693.12	485.72	447.70	38.02	12.777		
4,100.00	3,726.99	4,134.01	3,904.26	29.72	23.29	-150.20	711.94	726.66	501.26	461.80	39.46	12.702		
4,200.00	3,809.81	4,232.76	3,991.76	30.85	24.15	-149.91	743.08	760.20	516.83	475.91	40.92	12.631		
4,300.00	3,892.62	4,331.51	4,079.26	31.98	25.02	-149.63	774.23	793.74	532.40	490.02	42.38	12.563		
4,400.00	3,975.43	4,430.26	4,166.76	33.11	25.88	-149.37	805.37	827.28	547.98	504.14	43.85	12.498		
4,500.00	4,058.25	4,529.01	4,254.27	34.24	26.75	-149.13	836.51	860.82	563.58	518.26	45.32	12.435		
4,600.00	4,141.06	4,627.76	4,341.77	35.37	27.62	-148.90	867.66	894.36	579.19	532.38	46.80	12.376		
4,700.00	4,223.87	4,726.51	4,429.27	36.50	28.49	-148.68	898.80	927.90	594.80	546.51	48.29	12.318		
4,800.00	4,306.69	4,825.25	4,516.77	37.64	29.36	-148.47	929.94	961.43	610.42	560.65	49.77	12.264		
4,900.00	4,389.50	4,924.00	4,604.27	38.77	30.23	-148.28	961.09	994.97	626.05	574.78	51.27	12.211		
5,000.00	4,472.32	5,022.75	4,691.77	39.91	31.10	-148.09	992.23	1,028.51	641.69	588.92	52.77	12.161		
5,100.00	4,555.13	5,121.50	4,779.28	41.05	31.98	-147.91	1,023.37	1,062.05	657.33	603.06	54.27	12.113		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1C-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	5,220.25	4,866.78	42.18	32.85	-147.74	1,054.52	1,095.59	672.98	617.20	55.77	12.066		
5,300.00	4,720.76	5,319.00	4,954.28	43.32	33.73	-147.58	1,085.66	1,129.13	688.63	631.35	57.28	12.022		
5,400.00	4,803.57	5,417.75	5,041.78	44.46	34.61	-147.42	1,116.81	1,162.67	704.29	645.50	58.79	11.979		
5,500.00	4,886.39	5,516.50	5,129.28	45.60	35.48	-147.27	1,147.95	1,196.21	719.95	659.65	60.31	11.938		
5,600.00	4,969.20	5,615.24	5,216.78	46.74	36.36	-147.13	1,179.09	1,229.75	735.62	673.80	61.82	11.899		
5,700.00	5,052.01	5,713.99	5,304.28	47.88	37.24	-147.00	1,210.24	1,263.29	751.29	687.95	63.34	11.861		
5,800.00	5,134.83	5,812.74	5,391.79	49.02	38.12	-146.86	1,241.38	1,296.83	766.97	702.11	64.86	11.825		
5,900.00	5,217.64	5,911.49	5,479.29	50.16	39.00	-146.74	1,272.52	1,330.37	782.65	716.27	66.38	11.790		
6,000.00	5,300.45	6,010.24	5,566.79	51.30	39.88	-146.62	1,303.67	1,363.90	798.33	730.42	67.91	11.756		
6,100.00	5,383.27	6,108.99	5,654.29	52.45	40.76	-146.50	1,334.81	1,397.44	814.02	744.59	69.44	11.723		
6,200.00	5,466.08	6,207.74	5,741.79	53.59	41.65	-146.39	1,365.95	1,430.98	829.71	758.75	70.96	11.692		
6,300.00	5,548.90	6,306.49	5,829.29	54.73	42.53	-146.28	1,397.10	1,464.52	845.40	772.91	72.49	11.662		
6,400.00	5,631.71	6,405.23	5,916.80	55.87	43.41	-146.18	1,428.24	1,498.06	861.10	787.07	74.02	11.633		
6,500.00	5,714.52	6,503.98	6,004.30	57.02	44.29	-146.08	1,459.39	1,531.60	876.80	801.24	75.56	11.604		
6,600.00	5,797.34	6,602.73	6,091.80	58.16	45.18	-145.98	1,490.53	1,565.14	892.50	815.41	77.09	11.577		
6,700.00	5,880.15	6,701.48	6,179.30	59.30	46.06	-145.89	1,521.67	1,598.68	908.20	829.57	78.63	11.551		
6,800.00	5,962.96	6,800.23	6,266.80	60.45	46.95	-145.80	1,552.82	1,632.22	923.91	843.74	80.16	11.525		
6,900.00	6,045.78	6,901.02	6,354.30	61.59	47.85	-145.71	1,583.96	1,665.76	939.62	857.90	81.72	11.498		
7,000.00	6,128.59	6,997.73	6,441.80	62.73	48.71	-145.63	1,615.10	1,699.30	955.33	872.08	83.24	11.477		
7,100.00	6,211.41	7,103.52	6,529.31	63.88	49.66	-145.55	1,646.25	1,732.84	971.04	886.21	84.83	11.447		
7,200.00	6,294.22	7,204.78	6,616.81	65.02	50.57	-145.47	1,677.39	1,766.38	986.75	900.36	86.39	11.422		
7,300.00	6,377.03	7,293.97	6,704.31	66.17	51.37	-145.39	1,708.53	1,799.91	1,002.47	914.60	87.86	11.409		
7,400.00	6,459.85	7,407.28	6,791.81	67.31	52.39	-145.32	1,739.68	1,833.45	1,018.18	928.67	89.51	11.375		
7,500.00	6,542.66	7,508.53	6,879.31	68.46	53.30	-145.25	1,770.82	1,866.99	1,033.90	942.83	91.07	11.352		
7,600.00	6,625.48	7,590.22	6,966.81	69.60	54.03	-145.18	1,801.97	1,900.53	1,049.62	957.13	92.50	11.348		
7,700.00	6,708.29	7,696.84	7,061.68	70.75	54.97	-145.18	1,834.22	1,936.89	1,065.22	971.18	94.04	11.327		
7,800.00	6,791.10	7,816.36	7,171.93	71.89	55.85	-146.21	1,851.55	1,979.07	1,079.26	984.82	94.44	11.428		
7,900.00	6,873.92	7,924.50	7,272.66	73.04	56.39	-148.21	1,845.85	2,017.54	1,092.27	998.82	93.45	11.689		
8,000.00	6,956.73	8,016.49	7,356.31	74.18	56.67	-150.63	1,825.12	2,049.43	1,106.05	1,014.35	91.71	12.061		
8,100.00	7,039.54	8,092.02	7,421.98	75.33	56.78	-153.05	1,797.57	2,074.43	1,122.48	1,032.76	89.72	12.511		
8,165.32	7,093.63	8,133.41	7,456.36	76.08	56.80	-154.53	1,778.61	2,087.50	1,135.36	1,046.96	88.41	12.842		
8,200.00	7,122.60	8,153.78	7,472.80	76.47	56.80	-160.87	1,768.32	2,093.74	1,143.00	1,055.26	87.74	13.027		
8,250.00	7,165.05	8,182.81	7,495.60	77.01	56.78	-170.76	1,752.59	2,102.40	1,154.85	1,068.00	86.85	13.297		
8,300.00	7,208.03	8,211.50	7,517.38	77.52	56.75	178.71	1,735.85	2,110.67	1,167.50	1,081.45	86.05	13.568		
8,350.00	7,251.22	8,239.91	7,538.16	77.99	56.71	167.91	1,718.14	2,118.55	1,180.74	1,095.42	85.32	13.839		
8,400.00	7,294.28	8,268.10	7,557.93	78.41	56.66	157.32	1,699.51	2,126.04	1,194.37	1,109.70	84.67	14.107		
8,450.00	7,336.90	8,300.00	7,579.25	78.78	56.59	147.23	1,677.19	2,134.11	1,208.19	1,124.24	83.95	14.392		
8,500.00	7,378.73	8,323.95	7,594.47	79.10	56.52	138.22	1,659.63	2,139.86	1,222.00	1,138.43	83.57	14.623		
8,550.00	7,419.47	8,350.00	7,610.24	79.37	56.45	130.17	1,639.77	2,145.82	1,235.65	1,152.47	83.18	14.855		
8,600.00	7,458.81	8,379.27	7,626.93	79.59	56.35	123.06	1,616.56	2,152.12	1,248.95	1,166.21	82.74	15.094		
8,650.00	7,496.44	8,406.80	7,641.59	79.76	56.26	116.94	1,593.94	2,157.64	1,261.77	1,179.34	82.43	15.307		
8,700.00	7,532.08	8,434.24	7,655.19	79.88	56.15	111.68	1,570.66	2,162.76	1,273.96	1,191.77	82.19	15.500		
8,750.00	7,565.46	8,461.63	7,667.70	79.95	56.04	107.17	1,546.75	2,167.46	1,285.39	1,203.37	82.03	15.670		
8,800.00	7,596.33	8,488.97	7,679.12	79.98	55.92	103.34	1,522.29	2,171.74	1,295.96	1,214.02	81.94	15.817		
8,850.00	7,624.44	8,516.27	7,689.42	79.97	55.80	100.10	1,497.30	2,175.59	1,305.55	1,223.63	81.92	15.936		
8,900.00	7,649.59	8,550.00	7,700.59	79.93	55.64	97.33	1,465.75	2,179.75	1,314.12	1,232.40	81.72	16.081		
8,950.00	7,671.59	8,570.78	7,706.60	79.84	55.54	95.15	1,445.99	2,181.98	1,321.49	1,239.35	82.14	16.089		
9,000.00	7,690.26	8,600.00	7,713.91	79.73	55.39	93.34	1,417.83	2,184.68	1,327.69	1,245.42	82.27	16.138		
9,050.00	7,705.47	8,625.22	7,719.14	79.59	55.26	91.95	1,393.23	2,186.59	1,332.63	1,249.97	82.67	16.120		
9,100.00	7,717.09	8,650.00	7,723.29	79.43	55.14	90.94	1,368.85	2,188.09	1,336.29	1,253.13	83.16	16.068		
9,150.00	7,725.04	8,679.63	7,726.95	79.26	54.98	90.27	1,339.48	2,189.39	1,338.61	1,255.11	83.50	16.031		
9,200.00	7,729.27	8,700.00	7,728.64	79.06	54.87	89.96	1,319.19	2,189.97	1,339.63	1,255.27	84.35	15.881		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1C-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	8,723.78	7,729.76	78.93	54.74	89.95	1,295.44	2,190.32	1,339.53	1,255.15	84.37	15.876		
9,256.66	7,730.00	8,746.62	7,730.00	78.83	54.62	89.96	1,284.18	2,190.37	1,339.36	1,254.62	84.74	15.806		
9,300.00	7,730.00	8,778.38	7,730.00	78.65	54.45	89.96	1,240.84	2,190.22	1,339.36	1,255.04	84.32	15.884		
9,400.00	7,730.00	8,878.38	7,730.00	78.26	53.93	89.96	1,140.85	2,189.88	1,339.37	1,256.05	83.31	16.076		
9,500.00	7,730.00	8,978.38	7,730.00	77.89	53.44	89.96	1,040.85	2,189.54	1,339.37	1,256.93	82.44	16.246		
9,600.00	7,730.00	9,078.38	7,730.00	77.53	52.97	89.96	940.85	2,189.20	1,339.37	1,257.66	81.72	16.390		
9,700.00	7,730.00	9,178.38	7,730.00	77.19	52.53	89.96	840.85	2,188.86	1,339.38	1,258.24	81.14	16.507		
9,800.00	7,730.00	9,278.38	7,730.00	76.88	52.12	89.96	740.85	2,188.51	1,339.38	1,258.67	80.71	16.595		
9,900.00	7,730.00	9,378.38	7,730.00	76.58	51.73	89.96	640.85	2,188.17	1,339.38	1,258.95	80.44	16.651		
10,000.00	7,730.00	9,478.38	7,730.00	76.30	51.36	89.96	540.85	2,187.83	1,339.39	1,259.07	80.32	16.676		
10,100.00	7,730.00	9,578.38	7,730.00	76.04	51.02	89.96	440.85	2,187.49	1,339.39	1,259.03	80.36	16.668		
10,200.00	7,730.00	9,678.38	7,730.00	75.79	50.70	89.96	340.85	2,187.15	1,339.39	1,258.84	80.55	16.628		
10,300.00	7,730.00	9,778.38	7,730.00	75.57	50.41	89.96	240.85	2,186.81	1,339.40	1,258.50	80.90	16.557		
10,400.00	7,730.00	9,878.38	7,730.00	75.36	50.15	89.96	140.85	2,186.47	1,339.40	1,258.00	81.40	16.455		
10,500.00	7,730.00	9,978.38	7,730.00	75.18	49.90	89.96	40.85	2,186.13	1,339.40	1,257.36	82.05	16.325		
10,600.00	7,730.00	10,078.38	7,730.00	75.01	49.69	89.96	-59.15	2,185.79	1,339.41	1,256.57	82.84	16.168		
10,700.00	7,730.00	10,178.38	7,730.00	74.86	49.51	89.96	-159.15	2,185.44	1,339.41	1,255.63	83.78	15.987		
10,800.00	7,730.00	10,278.38	7,730.00	74.74	49.37	89.96	-259.15	2,185.10	1,339.42	1,254.56	84.85	15.785		
10,900.00	7,730.00	10,378.38	7,730.00	74.64	49.28	89.96	-359.15	2,184.76	1,339.42	1,253.36	86.06	15.564		
11,000.00	7,730.00	10,478.38	7,730.00	74.56	49.25	89.96	-459.15	2,184.42	1,339.42	1,252.03	87.39	15.327		
11,100.00	7,730.00	10,578.38	7,730.00	74.51	49.30	89.96	-559.14	2,184.08	1,339.43	1,250.58	88.84	15.076		
11,200.00	7,730.00	10,678.38	7,730.00	74.48	49.45	89.96	-659.14	2,183.74	1,339.43	1,249.02	90.41	14.815		
11,300.00	7,730.00	10,778.38	7,730.00	74.48	49.74	89.96	-759.14	2,183.40	1,339.43	1,247.34	92.09	14.545		
11,400.00	7,730.00	10,878.38	7,730.00	74.50	50.19	89.96	-859.14	2,183.06	1,339.44	1,245.57	93.87	14.269		
11,500.00	7,730.00	10,978.38	7,730.00	74.56	50.80	89.96	-959.14	2,182.72	1,339.44	1,243.69	95.75	13.990		
11,600.00	7,730.00	11,078.38	7,730.00	74.66	51.57	89.96	-1,059.14	2,182.37	1,339.44	1,241.73	97.71	13.708		
11,700.00	7,730.00	11,178.38	7,730.00	74.79	52.46	89.96	-1,159.14	2,182.03	1,339.45	1,239.68	99.77	13.425		
11,800.00	7,730.00	11,278.38	7,730.00	74.96	53.44	89.96	-1,259.14	2,181.69	1,339.45	1,237.54	101.90	13.144		
11,900.00	7,730.00	11,378.38	7,730.00	75.17	54.51	89.96	-1,359.14	2,181.35	1,339.45	1,235.34	104.12	12.865		
12,000.00	7,730.00	11,478.38	7,730.00	75.43	55.64	89.96	-1,459.14	2,181.01	1,339.46	1,233.06	106.40	12.589		
12,100.00	7,730.00	11,578.38	7,730.00	75.73	56.81	89.96	-1,559.14	2,180.67	1,339.46	1,230.71	108.75	12.317		
12,200.00	7,730.00	11,678.38	7,730.00	76.09	58.03	89.96	-1,659.14	2,180.33	1,339.46	1,228.30	111.16	12.049		
12,300.00	7,730.00	11,778.38	7,730.00	76.51	59.28	89.96	-1,759.14	2,179.99	1,339.47	1,225.83	113.64	11.787		
12,400.00	7,730.00	11,878.38	7,730.00	76.97	60.56	89.96	-1,859.14	2,179.65	1,339.47	1,223.31	116.16	11.531		
12,500.00	7,730.00	11,978.38	7,730.00	77.50	61.87	89.96	-1,959.14	2,179.30	1,339.47	1,220.73	118.74	11.281		
12,600.00	7,730.00	12,078.38	7,730.00	78.09	63.20	89.96	-2,059.14	2,178.96	1,339.48	1,218.11	121.36	11.037		
12,700.00	7,730.00	12,178.38	7,730.00	78.74	64.55	89.96	-2,159.14	2,178.62	1,339.48	1,215.44	124.04	10.799		
12,800.00	7,730.00	12,278.38	7,730.00	79.45	65.93	89.96	-2,259.13	2,178.28	1,339.48	1,212.73	126.75	10.568		
12,900.00	7,730.00	12,378.38	7,730.00	80.22	67.32	89.96	-2,359.13	2,177.94	1,339.49	1,209.99	129.50	10.343		
13,000.00	7,730.00	12,478.38	7,730.00	81.05	68.72	89.96	-2,459.13	2,177.60	1,339.49	1,207.20	132.29	10.125		
13,100.00	7,730.00	12,578.38	7,730.00	81.94	70.15	89.96	-2,559.13	2,177.26	1,339.49	1,204.38	135.12	9.914		
13,200.00	7,730.00	12,678.38	7,730.00	82.87	71.58	89.96	-2,659.13	2,176.92	1,339.50	1,201.52	137.97	9.708		
13,300.00	7,730.00	12,778.38	7,730.00	83.86	73.03	89.96	-2,759.13	2,176.58	1,339.50	1,198.64	140.86	9.509		
13,400.00	7,730.00	12,878.38	7,730.00	84.90	74.50	89.96	-2,859.13	2,176.23	1,339.50	1,195.73	143.78	9.316		
13,500.00	7,730.00	12,978.38	7,730.00	85.97	75.97	89.96	-2,959.13	2,175.89	1,339.51	1,192.79	146.72	9.130		
13,600.00	7,730.00	13,078.38	7,730.00	87.09	77.46	89.96	-3,059.13	2,175.55	1,339.51	1,189.82	149.69	8.948		
13,700.00	7,730.00	13,178.38	7,730.00	88.25	78.96	89.96	-3,159.13	2,175.21	1,339.51	1,186.83	152.69	8.773		
13,800.00	7,730.00	13,278.38	7,730.00	89.44	80.46	89.96	-3,259.13	2,174.87	1,339.52	1,183.82	155.70	8.603		
13,900.00	7,730.00	13,378.38	7,730.00	90.66	81.98	89.96	-3,359.13	2,174.53	1,339.52	1,180.78	158.74	8.439		
14,000.00	7,730.00	13,478.38	7,730.00	91.92	83.51	89.96	-3,459.13	2,174.19	1,339.53	1,177.73	161.80	8.279		
14,100.00	7,730.00	13,578.38	7,730.00	93.20	85.04	89.96	-3,559.13	2,173.85	1,339.53	1,174.66	164.87	8.125		
14,200.00	7,730.00	13,678.38	7,730.00	94.50	86.58	89.96	-3,659.13	2,173.51	1,339.53	1,171.56	167.97	7.975		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1C-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	13,778.38	7,730.00	95.83	88.13	89.96	-3,759.13	2,173.16	1,339.54	1,168.46	171.08	7.830		
14,400.00	7,730.00	13,878.38	7,730.00	97.17	89.69	89.96	-3,859.13	2,172.82	1,339.54	1,165.33	174.21	7.689		
14,500.00	7,730.00	13,978.38	7,730.00	98.54	91.25	89.96	-3,959.12	2,172.48	1,339.54	1,162.19	177.35	7.553		
14,600.00	7,730.00	14,078.38	7,730.00	99.92	92.82	89.96	-4,059.12	2,172.14	1,339.55	1,159.04	180.51	7.421		
14,700.00	7,730.00	14,178.38	7,730.00	101.32	94.40	89.96	-4,159.12	2,171.80	1,339.55	1,155.87	183.68	7.293		
14,800.00	7,730.00	14,278.38	7,730.00	102.74	95.98	89.96	-4,259.12	2,171.46	1,339.55	1,152.69	186.86	7.169		
14,900.00	7,730.00	14,378.38	7,730.00	104.17	97.57	89.96	-4,359.12	2,171.12	1,339.56	1,149.49	190.06	7.048		
15,000.00	7,730.00	14,478.38	7,730.00	105.62	99.17	89.96	-4,459.12	2,170.78	1,339.56	1,146.29	193.27	6.931		
15,100.00	7,730.00	14,578.38	7,730.00	107.07	100.76	89.96	-4,559.12	2,170.44	1,339.56	1,143.07	196.49	6.817		
15,200.00	7,730.00	14,678.38	7,730.00	108.54	102.37	89.96	-4,659.12	2,170.09	1,339.57	1,139.85	199.72	6.707		
15,300.00	7,730.00	14,778.38	7,730.00	110.02	103.98	89.96	-4,759.12	2,169.75	1,339.57	1,136.61	202.96	6.600		
15,400.00	7,730.00	14,878.38	7,730.00	111.51	105.59	89.96	-4,859.12	2,169.41	1,339.57	1,133.36	206.21	6.496		
15,500.00	7,730.00	14,978.38	7,730.00	113.01	107.21	89.96	-4,959.12	2,169.07	1,339.58	1,130.11	209.47	6.395		
15,600.00	7,730.00	15,078.38	7,730.00	114.52	108.83	89.96	-5,059.12	2,168.73	1,339.58	1,126.84	212.74	6.297		
15,700.00	7,730.00	15,178.38	7,730.00	116.04	110.46	89.96	-5,159.12	2,168.39	1,339.58	1,123.57	216.01	6.201		
15,800.00	7,730.00	15,278.38	7,730.00	117.56	112.09	89.96	-5,259.12	2,168.05	1,339.59	1,120.29	219.30	6.108		
15,900.00	7,730.00	15,378.38	7,730.00	119.09	113.72	89.96	-5,359.12	2,167.71	1,339.59	1,117.00	222.59	6.018		
16,000.00	7,730.00	15,478.38	7,730.00	120.63	115.36	89.96	-5,459.12	2,167.37	1,339.59	1,113.70	225.89	5.930		
16,100.00	7,730.00	15,578.38	7,730.00	122.18	117.00	89.96	-5,559.12	2,167.02	1,339.60	1,110.40	229.20	5.845		
16,200.00	7,730.00	15,678.38	7,730.00	123.73	118.65	89.96	-5,659.12	2,166.68	1,339.60	1,107.09	232.51	5.761		
16,300.00	7,730.00	15,778.38	7,730.00	125.29	120.29	89.96	-5,759.11	2,166.34	1,339.60	1,103.77	235.83	5.680		
16,400.00	7,730.00	15,878.38	7,730.00	126.86	121.94	89.96	-5,859.11	2,166.00	1,339.61	1,100.45	239.16	5.601		
16,500.00	7,730.00	15,978.38	7,730.00	128.43	123.60	89.96	-5,959.11	2,165.66	1,339.61	1,097.12	242.49	5.524		
16,600.00	7,730.00	16,078.38	7,730.00	130.01	125.25	89.96	-6,059.11	2,165.32	1,339.61	1,093.79	245.82	5.449		
16,700.00	7,730.00	16,178.38	7,730.00	131.59	126.91	89.96	-6,159.11	2,164.98	1,339.62	1,090.45	249.17	5.376		
16,800.00	7,730.00	16,278.38	7,730.00	133.18	128.58	89.96	-6,259.11	2,164.64	1,339.62	1,087.11	252.52	5.305		
16,900.00	7,730.00	16,378.38	7,730.00	134.77	130.24	89.96	-6,359.11	2,164.30	1,339.63	1,083.76	255.87	5.236		
17,000.00	7,730.00	16,478.38	7,730.00	136.37	131.91	89.96	-6,459.11	2,163.95	1,339.63	1,080.40	259.23	5.168		
17,100.00	7,730.00	16,578.38	7,730.00	137.97	133.58	89.96	-6,559.11	2,163.61	1,339.63	1,077.04	262.59	5.102		
17,200.00	7,730.00	16,678.38	7,730.00	139.57	135.25	89.96	-6,659.11	2,163.27	1,339.64	1,073.68	265.96	5.037		
17,300.00	7,730.00	16,778.38	7,730.00	141.18	136.92	89.96	-6,759.11	2,162.93	1,339.64	1,070.31	269.33	4.974		
17,400.00	7,730.00	16,878.38	7,730.00	142.79	138.60	89.96	-6,859.11	2,162.59	1,339.64	1,066.94	272.70	4.912		
17,500.00	7,730.00	16,978.38	7,730.00	144.41	140.28	89.96	-6,959.11	2,162.25	1,339.65	1,063.56	276.08	4.852		
17,600.00	7,730.00	17,078.38	7,730.00	146.03	141.96	89.96	-7,059.11	2,161.91	1,339.65	1,060.18	279.46	4.794		
17,700.00	7,730.00	17,178.38	7,730.00	147.65	143.64	89.96	-7,159.11	2,161.57	1,339.65	1,056.80	282.85	4.736		
17,800.00	7,730.00	17,278.38	7,730.00	149.28	145.32	89.96	-7,259.11	2,161.23	1,339.66	1,053.41	286.24	4.680		
17,900.00	7,730.00	17,378.38	7,730.00	150.91	147.01	89.96	-7,359.11	2,160.88	1,339.66	1,050.02	289.64	4.625		
18,000.00	7,730.00	17,478.38	7,730.00	152.54	148.69	89.96	-7,459.10	2,160.54	1,339.66	1,046.63	293.03	4.572		
18,100.00	7,730.00	17,578.38	7,730.00	154.18	150.38	89.96	-7,559.10	2,160.20	1,339.67	1,043.23	296.43	4.519		
18,200.00	7,730.00	17,678.38	7,730.00	155.82	152.07	89.96	-7,659.10	2,159.86	1,339.67	1,039.83	299.84	4.468		
18,300.00	7,730.00	17,778.38	7,730.00	157.46	153.77	89.96	-7,759.10	2,159.52	1,339.67	1,036.43	303.24	4.418		
18,400.00	7,730.00	17,878.38	7,730.00	159.11	155.46	89.96	-7,859.10	2,159.18	1,339.68	1,033.02	306.65	4.369		
18,500.00	7,730.00	17,978.38	7,730.00	160.75	157.16	89.96	-7,959.10	2,158.84	1,339.68	1,029.61	310.07	4.321		
18,600.00	7,730.00	18,078.38	7,730.00	162.40	158.85	89.96	-8,059.10	2,158.50	1,339.68	1,026.20	313.48	4.274		
18,700.00	7,730.00	18,178.38	7,730.00	164.05	160.55	89.96	-8,159.10	2,158.16	1,339.69	1,022.79	316.90	4.228		
18,800.00	7,730.00	18,278.38	7,730.00	165.71	162.25	89.96	-8,259.10	2,157.81	1,339.69	1,019.37	320.32	4.182		
18,900.00	7,730.00	18,378.38	7,730.00	167.36	163.95	89.96	-8,359.10	2,157.47	1,339.69	1,015.95	323.74	4.138		
18,942.39	7,730.00	18,420.77	7,730.00	168.07	164.67	89.96	-8,401.49	2,157.33	1,339.70	1,014.50	325.19	4.120 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1D-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	-90.00	0.00	-29.96	29.96					
100.00	100.00	101.00	101.00	0.13	0.14	-90.00	0.00	-29.96	29.96	29.69	0.27	109.971		
200.00	200.00	201.00	201.00	0.49	0.50	-90.00	0.00	-29.96	29.96	28.97	0.99	30.282		
300.00	300.00	301.00	301.00	0.85	0.85	-90.00	0.00	-29.96	29.96	28.25	1.71	17.558		
400.00	400.00	401.00	401.00	1.21	1.21	-90.00	0.00	-29.96	29.96	27.54	2.42	12.364		
500.00	500.00	501.00	501.00	1.57	1.57	-90.00	0.00	-29.96	29.96	26.82	3.14	9.541		
600.00	600.00	601.00	601.00	1.93	1.93	-90.00	0.00	-29.96	29.96	26.10	3.86	7.767		
700.00	700.00	701.00	701.00	2.29	2.29	-90.00	0.00	-29.96	29.96	25.39	4.57	6.550		
800.00	800.00	801.00	801.00	2.64	2.65	-90.00	0.00	-29.96	29.96	24.67	5.29	5.662 CC, ES		
900.00	899.98	900.98	900.98	3.00	3.01	-151.18	0.00	-29.96	31.48	25.47	6.00	5.243		
1,000.00	999.84	1,000.84	1,000.84	3.35	3.36	-155.14	0.00	-29.96	36.15	29.44	6.71	5.384		
1,100.00	1,099.45	1,100.46	1,100.46	3.71	3.72	-159.84	0.00	-29.96	44.21	36.79	7.43	5.954		
1,200.00	1,198.70	1,201.46	1,201.44	4.08	4.08	-163.37	1.13	-28.56	54.21	46.08	8.14	6.662		
1,300.00	1,297.47	1,302.83	1,302.66	4.47	4.44	-165.34	4.51	-24.38	64.48	55.64	8.84	7.292		
1,400.00	1,395.62	1,404.56	1,403.99	4.87	4.80	-166.36	10.16	-17.38	74.91	65.36	9.55	7.847		
1,500.00	1,493.06	1,506.66	1,505.30	5.31	5.18	-166.78	18.11	-7.55	85.44	75.19	10.25	8.337		
1,600.00	1,589.64	1,609.11	1,606.44	5.77	5.57	-166.77	28.35	5.14	96.05	85.10	10.95	8.770		
1,700.00	1,685.27	1,711.92	1,707.28	6.28	5.98	-166.48	40.91	20.69	106.74	95.07	11.66	9.152		
1,800.00	1,779.82	1,815.08	1,807.68	6.83	6.41	-165.97	55.79	39.10	117.48	105.09	12.38	9.489		
1,900.00	1,873.17	1,918.59	1,907.50	7.43	6.88	-165.29	72.99	60.40	128.27	115.16	13.11	9.782		
2,000.00	1,965.21	2,022.44	2,006.59	8.08	7.39	-164.49	92.52	84.57	139.13	125.26	13.87	10.034		
2,100.00	2,055.84	2,126.63	2,104.80	8.79	7.94	-163.59	114.36	111.61	150.04	135.40	14.65	10.245		
2,200.00	2,144.94	2,231.15	2,201.99	9.56	8.55	-162.61	138.52	141.51	161.02	145.55	15.46	10.414		
2,300.00	2,232.39	2,336.00	2,298.01	10.39	9.21	-161.57	164.97	174.26	172.05	155.73	16.32	10.541		
2,400.00	2,318.11	2,441.17	2,392.71	11.30	9.93	-160.48	193.70	209.82	183.16	165.92	17.24	10.624		
2,504.60	2,405.78	2,551.51	2,490.20	12.31	10.76	-159.29	226.17	250.02	194.85	176.58	18.27	10.663		
2,600.00	2,484.79	2,648.77	2,574.70	13.28	11.54	-158.20	256.42	287.47	204.65	185.30	19.35	10.579		
2,700.00	2,567.60	2,748.18	2,660.94	14.32	12.37	-157.16	287.50	325.94	214.74	194.19	20.56	10.446		
2,800.00	2,650.41	2,847.60	2,747.18	15.37	13.22	-156.21	318.58	364.41	224.90	203.09	21.81	10.311		
2,900.00	2,733.23	2,947.02	2,833.43	16.44	14.09	-155.34	349.66	402.89	235.12	212.01	23.11	10.176		
3,000.00	2,816.04	3,046.43	2,919.67	17.52	14.96	-154.54	380.74	441.36	245.39	220.95	24.43	10.043		
3,100.00	2,898.85	3,145.85	3,005.91	18.60	15.85	-153.81	411.82	479.83	255.69	229.90	25.79	9.913		
3,200.00	2,981.67	3,245.26	3,092.15	19.69	16.76	-153.14	442.90	518.31	266.04	238.86	27.18	9.788		
3,300.00	3,064.48	3,344.68	3,178.39	20.79	17.66	-152.51	473.98	556.78	276.42	247.83	28.59	9.668		
3,400.00	3,147.30	3,444.10	3,264.63	21.90	18.58	-151.93	505.06	595.26	286.83	256.80	30.02	9.553		
3,500.00	3,230.11	3,543.51	3,350.87	23.00	19.50	-151.39	536.14	633.73	297.27	265.79	31.48	9.444		
3,600.00	3,312.92	3,642.93	3,437.11	24.12	20.42	-150.89	567.22	672.20	307.73	274.78	32.95	9.340		
3,700.00	3,395.74	3,742.35	3,523.35	25.23	21.36	-150.42	598.30	710.68	318.21	283.78	34.43	9.242		
3,800.00	3,478.55	3,841.76	3,609.59	26.35	22.29	-149.98	629.37	749.15	328.71	292.78	35.93	9.148		
3,900.00	3,561.36	3,941.18	3,695.83	27.47	23.23	-149.57	660.45	787.62	339.23	301.79	37.44	9.060		
4,000.00	3,644.18	4,040.60	3,782.07	28.59	24.17	-149.19	691.53	826.10	349.77	310.81	38.97	8.976		
4,100.00	3,726.99	4,140.01	3,868.32	29.72	25.11	-148.82	722.61	864.57	360.32	319.82	40.50	8.897		
4,200.00	3,809.81	4,239.43	3,954.56	30.85	26.06	-148.48	753.69	903.04	370.89	328.85	42.04	8.822		
4,300.00	3,892.62	4,338.84	4,040.80	31.98	27.01	-148.15	784.77	941.52	381.47	337.87	43.59	8.751		
4,400.00	3,975.43	4,438.26	4,127.04	33.11	27.95	-147.85	815.85	979.99	392.06	346.90	45.15	8.683		
4,500.00	4,058.25	4,537.68	4,213.28	34.24	28.91	-147.55	846.93	1,018.46	402.66	355.94	46.72	8.619		
4,600.00	4,141.06	4,637.09	4,299.52	35.37	29.86	-147.28	878.01	1,056.94	413.27	364.98	48.29	8.558		
4,700.00	4,223.87	4,736.51	4,385.76	36.50	30.81	-147.02	909.09	1,095.41	423.89	374.02	49.87	8.500		
4,800.00	4,306.69	4,835.93	4,472.00	37.64	31.77	-146.77	940.17	1,133.88	434.51	383.06	51.45	8.445		
4,900.00	4,389.50	4,935.34	4,558.24	38.77	32.73	-146.53	971.25	1,172.36	445.15	392.10	53.04	8.392		
5,000.00	4,472.32	5,034.76	4,644.48	39.91	33.68	-146.30	1,002.33	1,210.83	455.79	401.15	54.64	8.342		
5,100.00	4,555.13	5,134.17	4,730.72	41.05	34.64	-146.09	1,033.41	1,249.30	466.44	410.20	56.23	8.294		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1D-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	5,233.59	4,816.96	42.18	35.60	-145.88	1,064.49	1,287.78	477.09	419.26	57.84	8.249		
5,300.00	4,720.76	5,333.01	4,903.21	43.32	36.56	-145.68	1,095.56	1,326.25	487.75	428.31	59.44	8.205		
5,400.00	4,803.57	5,432.42	4,989.45	44.46	37.53	-145.49	1,126.64	1,364.73	498.42	437.37	61.05	8.164		
5,500.00	4,886.39	5,531.84	5,075.69	45.60	38.49	-145.31	1,157.72	1,403.20	509.09	446.43	62.66	8.124		
5,600.00	4,969.20	5,631.26	5,161.93	46.74	39.45	-145.14	1,188.80	1,441.67	519.77	455.49	64.28	8.086		
5,700.00	5,052.01	5,730.67	5,248.17	47.88	40.41	-144.97	1,219.88	1,480.15	530.45	464.55	65.90	8.050		
5,800.00	5,134.83	5,830.09	5,334.41	49.02	41.38	-144.81	1,250.96	1,518.62	541.13	473.62	67.52	8.015		
5,900.00	5,217.64	5,929.51	5,420.65	50.16	42.34	-144.66	1,282.04	1,557.09	551.82	482.68	69.14	7.981		
6,000.00	5,300.45	6,028.92	5,506.89	51.30	43.31	-144.51	1,313.12	1,595.57	562.52	491.75	70.77	7.949		
6,100.00	5,383.27	6,128.34	5,593.13	52.45	44.27	-144.37	1,344.20	1,634.04	573.21	500.82	72.40	7.918		
6,200.00	5,466.08	6,227.75	5,679.37	53.59	45.24	-144.23	1,375.28	1,672.51	583.91	509.89	74.03	7.888		
6,300.00	5,548.90	6,327.17	5,765.61	54.73	46.21	-144.10	1,406.36	1,710.99	594.62	518.96	75.66	7.859		
6,400.00	5,631.71	6,426.59	5,851.85	55.87	47.17	-143.97	1,437.44	1,749.46	605.32	528.03	77.29	7.832		
6,500.00	5,714.52	6,526.00	5,938.09	57.02	48.14	-143.85	1,468.52	1,787.93	616.03	537.11	78.93	7.805		
6,600.00	5,797.34	6,625.42	6,024.34	58.16	49.11	-143.73	1,499.60	1,826.41	626.74	546.18	80.56	7.780		
6,700.00	5,880.15	6,724.84	6,110.58	59.30	50.08	-143.61	1,530.68	1,864.88	637.46	555.26	82.20	7.755		
6,800.00	5,962.96	6,824.25	6,196.82	60.45	51.04	-143.50	1,561.76	1,903.35	648.17	564.33	83.84	7.731		
6,900.00	6,045.78	6,923.67	6,283.06	61.59	52.01	-143.40	1,592.83	1,941.83	658.89	573.41	85.48	7.708		
7,000.00	6,128.59	7,023.09	6,369.30	62.73	52.98	-143.29	1,623.91	1,980.30	669.62	582.49	87.12	7.686		
7,100.00	6,211.41	7,122.50	6,455.54	63.88	53.95	-143.19	1,654.99	2,018.77	680.34	591.57	88.77	7.664		
7,200.00	6,294.22	7,221.92	6,541.78	65.02	54.92	-143.09	1,686.07	2,057.25	691.06	600.65	90.41	7.643		
7,300.00	6,377.03	7,321.33	6,628.02	66.17	55.89	-143.00	1,717.15	2,095.72	701.79	609.73	92.06	7.623		
7,400.00	6,459.85	7,420.75	6,714.26	67.31	56.86	-142.91	1,748.23	2,134.19	712.52	618.82	93.70	7.604		
7,500.00	6,542.66	7,520.17	6,800.50	68.46	57.83	-142.82	1,779.31	2,172.67	723.25	627.90	95.35	7.585		
7,600.00	6,625.48	7,619.58	6,886.74	69.60	58.80	-142.73	1,810.39	2,211.14	733.98	636.98	97.00	7.567		
7,700.00	6,708.29	7,728.50	6,981.69	70.75	59.84	-142.77	1,842.75	2,253.49	744.49	645.90	98.59	7.552		
7,800.00	6,791.10	7,850.99	7,092.39	71.89	60.85	-144.37	1,858.90	2,302.80	752.43	654.10	98.33	7.652		
7,900.00	6,873.92	7,960.95	7,192.46	73.04	61.49	-147.38	1,851.18	2,347.29	758.71	662.63	96.08	7.897		
8,000.00	6,956.73	8,053.63	7,274.51	74.18	61.85	-150.98	1,828.53	2,383.72	766.16	673.23	92.93	8.245		
8,100.00	7,039.54	8,129.10	7,338.17	75.33	62.01	-154.53	1,799.59	2,411.95	777.61	688.02	89.59	8.679		
8,165.32	7,093.63	8,170.21	7,371.23	76.08	62.05	-156.67	1,780.04	2,426.59	788.34	700.87	87.47	9.012		
8,200.00	7,122.60	8,190.40	7,386.98	76.47	62.07	-163.26	1,769.50	2,433.56	795.20	708.79	86.41	9.203		
8,250.00	7,165.05	8,219.18	7,408.82	77.01	62.07	-173.49	1,753.44	2,443.22	806.24	721.23	85.01	9.484		
8,300.00	7,208.03	8,247.63	7,429.65	77.52	62.06	175.62	1,736.41	2,452.44	818.40	734.64	83.76	9.771		
8,350.00	7,251.22	8,275.80	7,449.51	77.99	62.04	164.49	1,718.46	2,461.21	831.43	748.79	82.64	10.061		
8,400.00	7,294.28	8,300.00	7,465.90	78.41	62.01	153.71	1,702.19	2,468.45	845.06	763.26	81.81	10.330		
8,450.00	7,336.90	8,331.49	7,486.26	78.78	61.96	143.28	1,679.93	2,477.43	859.02	778.26	80.76	10.637		
8,500.00	7,378.73	8,359.07	7,503.16	79.10	61.90	133.90	1,659.44	2,484.88	873.12	793.13	79.98	10.917		
8,550.00	7,419.47	8,386.52	7,519.07	79.37	61.84	125.56	1,638.20	2,491.89	887.12	807.82	79.30	11.187		
8,600.00	7,458.81	8,413.85	7,533.96	79.59	61.77	118.27	1,616.25	2,498.44	900.83	822.11	78.73	11.443		
8,650.00	7,496.44	8,441.09	7,547.84	79.76	61.68	111.96	1,593.62	2,504.54	914.09	835.83	78.26	11.680		
8,700.00	7,532.08	8,468.24	7,560.68	79.88	61.59	106.53	1,570.38	2,510.17	926.72	848.81	77.90	11.896		
8,750.00	7,565.46	8,500.00	7,574.41	79.95	61.48	101.81	1,542.38	2,516.18	938.60	861.16	77.45	12.119		
8,800.00	7,596.33	8,522.34	7,583.20	79.98	61.40	97.95	1,522.21	2,520.03	949.56	872.00	77.56	12.243		
8,850.00	7,624.44	8,550.00	7,593.09	79.97	61.29	94.60	1,496.74	2,524.34	959.54	881.99	77.55	12.373		
8,900.00	7,649.59	8,576.24	7,601.42	79.93	61.17	91.82	1,472.13	2,527.96	968.42	890.67	77.75	12.455		
8,950.00	7,671.59	8,600.00	7,608.07	79.84	61.07	89.55	1,449.50	2,530.85	976.13	897.89	78.24	12.476		
9,000.00	7,690.26	8,630.00	7,615.23	79.73	60.93	87.67	1,420.53	2,533.93	982.58	904.07	78.51	12.515		
9,050.00	7,705.47	8,650.00	7,619.23	79.59	60.84	86.27	1,401.01	2,535.65	987.78	908.24	79.54	12.419		
9,100.00	7,717.09	8,683.69	7,624.55	79.43	60.68	85.19	1,367.83	2,537.90	991.54	911.71	79.83	12.420		
9,150.00	7,725.04	8,710.51	7,627.51	79.26	60.55	84.51	1,341.20	2,539.13	993.97	913.28	80.69	12.318		
9,200.00	7,729.27	8,737.34	7,629.32	79.06	60.41	84.19	1,314.45	2,539.85	995.01	913.34	81.67	12.183		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1D-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	8,754.04	7,629.88	78.93	60.33	84.17	1,297.76	2,540.04	994.95	912.61	82.33	12.084		
9,265.76	7,730.00	8,777.95	7,630.00	78.79	60.21	84.17	1,273.84	2,540.01	994.82	912.12	82.70	12.029		
9,300.00	7,730.00	8,812.19	7,630.00	78.65	60.04	84.17	1,239.61	2,539.90	994.82	912.54	82.29	12.090		
9,400.00	7,730.00	8,912.19	7,630.00	78.26	59.55	84.17	1,139.61	2,539.56	994.82	913.64	81.18	12.255		
9,500.00	7,730.00	9,012.19	7,630.00	77.89	59.09	84.17	1,039.61	2,539.23	994.82	914.61	80.21	12.403		
9,600.00	7,730.00	9,112.19	7,630.00	77.53	58.66	84.17	939.61	2,538.89	994.82	915.44	79.38	12.532		
9,700.00	7,730.00	9,212.19	7,630.00	77.19	58.25	84.17	839.61	2,538.55	994.82	916.11	78.71	12.640		
9,800.00	7,730.00	9,312.19	7,630.00	76.88	57.86	84.17	739.61	2,538.22	994.82	916.63	78.18	12.724		
9,900.00	7,730.00	9,412.19	7,630.00	76.58	57.49	84.17	639.61	2,537.88	994.82	917.00	77.81	12.784		
10,000.00	7,730.00	9,512.19	7,630.00	76.30	57.15	84.17	539.61	2,537.54	994.81	917.21	77.61	12.819		
10,100.00	7,730.00	9,612.19	7,630.00	76.04	56.83	84.17	439.61	2,537.21	994.81	917.26	77.56	12.827		
10,200.00	7,730.00	9,712.19	7,630.00	75.79	56.54	84.17	339.61	2,536.87	994.81	917.15	77.67	12.809		
10,300.00	7,730.00	9,812.19	7,630.00	75.57	56.27	84.17	239.61	2,536.53	994.81	916.88	77.93	12.765		
10,400.00	7,730.00	9,912.19	7,630.00	75.36	56.02	84.17	139.61	2,536.20	994.81	916.45	78.36	12.695		
10,500.00	7,730.00	10,012.19	7,630.00	75.18	55.80	84.17	39.61	2,535.86	994.81	915.87	78.94	12.602		
10,600.00	7,730.00	10,112.19	7,630.00	75.01	55.60	84.17	-60.39	2,535.52	994.81	915.13	79.67	12.486		
10,700.00	7,730.00	10,212.19	7,630.00	74.86	55.44	84.17	-160.38	2,535.19	994.81	914.25	80.55	12.349		
10,800.00	7,730.00	10,312.19	7,630.00	74.74	55.30	84.17	-260.38	2,534.85	994.81	913.23	81.58	12.195		
10,900.00	7,730.00	10,412.19	7,630.00	74.64	55.20	84.17	-360.38	2,534.51	994.81	912.07	82.74	12.024		
11,000.00	7,730.00	10,512.19	7,630.00	74.56	55.14	84.17	-460.38	2,534.18	994.80	910.78	84.03	11.839		
11,100.00	7,730.00	10,612.19	7,630.00	74.51	55.14	84.17	-560.38	2,533.84	994.80	909.36	85.44	11.643		
11,200.00	7,730.00	10,712.19	7,630.00	74.48	55.19	84.17	-660.38	2,533.50	994.80	907.82	86.98	11.437		
11,300.00	7,730.00	10,812.19	7,630.00	74.48	55.30	84.17	-760.38	2,533.17	994.80	906.17	88.63	11.224		
11,400.00	7,730.00	10,912.19	7,630.00	74.50	55.49	84.17	-860.38	2,532.83	994.80	904.41	90.39	11.006		
11,500.00	7,730.00	11,012.19	7,630.00	74.56	55.78	84.17	-960.38	2,532.49	994.80	902.56	92.24	10.785		
11,600.00	7,730.00	11,112.19	7,630.00	74.66	56.17	84.17	-1,060.38	2,532.16	994.80	900.60	94.19	10.561		
11,700.00	7,730.00	11,212.19	7,630.00	74.79	56.66	84.17	-1,160.38	2,531.82	994.80	898.56	96.23	10.337		
11,800.00	7,730.00	11,312.19	7,630.00	74.96	57.28	84.17	-1,260.38	2,531.48	994.80	896.44	98.36	10.114		
11,900.00	7,730.00	11,412.19	7,630.00	75.17	58.00	84.17	-1,360.38	2,531.15	994.79	894.23	100.56	9.892		
12,000.00	7,730.00	11,512.19	7,630.00	75.43	58.82	84.17	-1,460.38	2,530.81	994.79	891.96	102.84	9.673		
12,100.00	7,730.00	11,612.19	7,630.00	75.73	59.74	84.17	-1,560.38	2,530.47	994.79	889.61	105.18	9.458		
12,200.00	7,730.00	11,712.19	7,630.00	76.09	60.74	84.17	-1,660.38	2,530.14	994.79	887.20	107.59	9.246		
12,300.00	7,730.00	11,812.19	7,630.00	76.51	61.80	84.17	-1,760.38	2,529.80	994.79	884.73	110.06	9.039		
12,400.00	7,730.00	11,912.19	7,630.00	76.97	62.92	84.17	-1,860.38	2,529.46	994.79	882.21	112.58	8.836		
12,500.00	7,730.00	12,012.19	7,630.00	77.50	64.10	84.17	-1,960.37	2,529.13	994.79	879.63	115.16	8.638		
12,600.00	7,730.00	12,112.19	7,630.00	78.09	65.31	84.17	-2,060.37	2,528.79	994.79	877.00	117.78	8.446		
12,700.00	7,730.00	12,212.19	7,630.00	78.74	66.56	84.17	-2,160.37	2,528.45	994.79	874.33	120.46	8.259		
12,800.00	7,730.00	12,312.19	7,630.00	79.45	67.84	84.17	-2,260.37	2,528.12	994.78	871.62	123.17	8.077		
12,900.00	7,730.00	12,412.19	7,630.00	80.22	69.15	84.17	-2,360.37	2,527.78	994.78	868.86	125.92	7.900		
13,000.00	7,730.00	12,512.19	7,630.00	81.05	70.49	84.17	-2,460.37	2,527.45	994.78	866.07	128.71	7.729		
13,100.00	7,730.00	12,612.19	7,630.00	81.94	71.85	84.17	-2,560.37	2,527.11	994.78	863.24	131.54	7.563		
13,200.00	7,730.00	12,712.19	7,630.00	82.87	73.23	84.17	-2,660.37	2,526.77	994.78	860.38	134.40	7.402		
13,300.00	7,730.00	12,812.19	7,630.00	83.86	74.62	84.17	-2,760.37	2,526.44	994.78	857.49	137.29	7.246		
13,400.00	7,730.00	12,912.19	7,630.00	84.90	76.04	84.17	-2,860.37	2,526.10	994.78	854.57	140.20	7.095		
13,500.00	7,730.00	13,012.19	7,630.00	85.97	77.47	84.17	-2,960.37	2,525.76	994.78	851.63	143.15	6.949		
13,600.00	7,730.00	13,112.19	7,630.00	87.09	78.91	84.17	-3,060.37	2,525.43	994.78	848.66	146.12	6.808		
13,700.00	7,730.00	13,212.19	7,630.00	88.25	80.37	84.17	-3,160.37	2,525.09	994.77	845.66	149.11	6.671		
13,800.00	7,730.00	13,312.19	7,630.00	89.44	81.84	84.17	-3,260.37	2,524.75	994.77	842.64	152.13	6.539		
13,900.00	7,730.00	13,412.19	7,630.00	90.66	83.32	84.17	-3,360.37	2,524.42	994.77	839.61	155.17	6.411		
14,000.00	7,730.00	13,512.19	7,630.00	91.92	84.82	84.17	-3,460.37	2,524.08	994.77	836.55	158.22	6.287		
14,100.00	7,730.00	13,612.19	7,630.00	93.20	86.32	84.17	-3,560.37	2,523.74	994.77	833.47	161.30	6.167		
14,200.00	7,730.00	13,712.19	7,630.00	94.50	87.83	84.17	-3,660.37	2,523.41	994.77	830.37	164.40	6.051		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1D-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	13,812.19	7,630.00	95.83	89.36	84.17	-3,760.36	2,523.07	994.77	827.26	167.51	5.939		
14,400.00	7,730.00	13,912.19	7,630.00	97.17	90.89	84.17	-3,860.36	2,522.73	994.77	824.13	170.63	5.830		
14,500.00	7,730.00	14,012.19	7,630.00	98.54	92.42	84.17	-3,960.36	2,522.40	994.77	820.99	173.78	5.724		
14,600.00	7,730.00	14,112.19	7,630.00	99.92	93.97	84.17	-4,060.36	2,522.06	994.76	817.83	176.93	5.622		
14,700.00	7,730.00	14,212.19	7,630.00	101.32	95.52	84.17	-4,160.36	2,521.72	994.76	814.66	180.10	5.523		
14,800.00	7,730.00	14,312.19	7,630.00	102.74	97.08	84.17	-4,260.36	2,521.39	994.76	811.48	183.28	5.427		
14,900.00	7,730.00	14,412.19	7,630.00	104.17	98.65	84.17	-4,360.36	2,521.05	994.76	808.28	186.48	5.334		
15,000.00	7,730.00	14,512.19	7,630.00	105.62	100.22	84.17	-4,460.36	2,520.71	994.76	805.08	189.69	5.244		
15,100.00	7,730.00	14,612.19	7,630.00	107.07	101.80	84.17	-4,560.36	2,520.38	994.76	801.86	192.90	5.157		
15,200.00	7,730.00	14,712.19	7,630.00	108.54	103.39	84.17	-4,660.36	2,520.04	994.76	798.63	196.13	5.072		
15,300.00	7,730.00	14,812.19	7,630.00	110.02	104.98	84.17	-4,760.36	2,519.70	994.76	795.39	199.37	4.990		
15,400.00	7,730.00	14,912.19	7,630.00	111.51	106.57	84.17	-4,860.36	2,519.37	994.76	792.14	202.61	4.910		
15,500.00	7,730.00	15,012.19	7,630.00	113.01	108.17	84.17	-4,960.36	2,519.03	994.76	788.89	205.87	4.832		
15,600.00	7,730.00	15,112.19	7,630.00	114.52	109.78	84.17	-5,060.36	2,518.69	994.75	785.62	209.13	4.757		
15,700.00	7,730.00	15,212.19	7,630.00	116.04	111.39	84.17	-5,160.36	2,518.36	994.75	782.35	212.41	4.683		
15,800.00	7,730.00	15,312.19	7,630.00	117.56	113.00	84.17	-5,260.36	2,518.02	994.75	779.07	215.69	4.612		
15,900.00	7,730.00	15,412.19	7,630.00	119.09	114.62	84.17	-5,360.36	2,517.68	994.75	775.78	218.97	4.543		
16,000.00	7,730.00	15,512.19	7,630.00	120.63	116.24	84.17	-5,460.35	2,517.35	994.75	772.48	222.27	4.475		
16,100.00	7,730.00	15,612.19	7,630.00	122.18	117.87	84.17	-5,560.35	2,517.01	994.75	769.18	225.57	4.410		
16,200.00	7,730.00	15,712.19	7,630.00	123.73	119.50	84.17	-5,660.35	2,516.68	994.75	765.87	228.88	4.346		
16,300.00	7,730.00	15,812.19	7,630.00	125.29	121.13	84.17	-5,760.35	2,516.34	994.75	762.55	232.19	4.284		
16,400.00	7,730.00	15,912.19	7,630.00	126.86	122.77	84.17	-5,860.35	2,516.00	994.75	759.23	235.51	4.224		
16,500.00	7,730.00	16,012.19	7,630.00	128.43	124.41	84.17	-5,960.35	2,515.67	994.74	755.91	238.84	4.165		
16,600.00	7,730.00	16,112.19	7,630.00	130.01	126.05	84.17	-6,060.35	2,515.33	994.74	752.57	242.17	4.108		
16,700.00	7,730.00	16,212.19	7,630.00	131.59	127.70	84.17	-6,160.35	2,514.99	994.74	749.24	245.51	4.052		
16,800.00	7,730.00	16,312.19	7,630.00	133.18	129.35	84.17	-6,260.35	2,514.66	994.74	745.89	248.85	3.997		
16,900.00	7,730.00	16,412.19	7,630.00	134.77	131.00	84.17	-6,360.35	2,514.32	994.74	742.54	252.20	3.944		
17,000.00	7,730.00	16,512.19	7,630.00	136.37	132.66	84.17	-6,460.35	2,513.98	994.74	739.19	255.55	3.893		
17,100.00	7,730.00	16,612.19	7,630.00	137.97	134.31	84.17	-6,560.35	2,513.65	994.74	735.84	258.90	3.842		
17,200.00	7,730.00	16,712.19	7,630.00	139.57	135.97	84.17	-6,660.35	2,513.31	994.74	732.47	262.26	3.793		
17,300.00	7,730.00	16,812.19	7,630.00	141.18	137.64	84.17	-6,760.35	2,512.97	994.74	729.11	265.63	3.745		
17,400.00	7,730.00	16,912.19	7,630.00	142.79	139.30	84.17	-6,860.35	2,512.64	994.73	725.74	268.99	3.698		
17,500.00	7,730.00	17,012.19	7,630.00	144.41	140.97	84.17	-6,960.35	2,512.30	994.73	722.37	272.37	3.652		
17,600.00	7,730.00	17,112.19	7,630.00	146.03	142.64	84.17	-7,060.35	2,511.96	994.73	718.99	275.74	3.607		
17,700.00	7,730.00	17,212.19	7,630.00	147.65	144.31	84.17	-7,160.35	2,511.63	994.73	715.61	279.12	3.564		
17,800.00	7,730.00	17,312.19	7,630.00	149.28	145.98	84.17	-7,260.34	2,511.29	994.73	712.23	282.50	3.521		
17,900.00	7,730.00	17,412.19	7,630.00	150.91	147.66	84.17	-7,360.34	2,510.95	994.73	708.84	285.89	3.479		
18,000.00	7,730.00	17,512.19	7,630.00	152.54	149.34	84.17	-7,460.34	2,510.62	994.73	705.45	289.28	3.439		
18,100.00	7,730.00	17,612.19	7,630.00	154.18	151.02	84.17	-7,560.34	2,510.28	994.73	702.06	292.67	3.399		
18,200.00	7,730.00	17,712.19	7,630.00	155.82	152.70	84.17	-7,660.34	2,509.94	994.73	698.66	296.07	3.360		
18,300.00	7,730.00	17,812.19	7,630.00	157.46	154.38	84.17	-7,760.34	2,509.61	994.72	695.26	299.46	3.322		
18,400.00	7,730.00	17,912.19	7,630.00	159.11	156.07	84.17	-7,860.34	2,509.27	994.72	691.86	302.86	3.284		
18,500.00	7,730.00	18,012.19	7,630.00	160.75	157.75	84.17	-7,960.34	2,508.93	994.72	688.45	306.27	3.248		
18,600.00	7,730.00	18,112.19	7,630.00	162.40	159.44	84.17	-8,060.34	2,508.60	994.72	685.05	309.67	3.212		
18,700.00	7,730.00	18,212.19	7,630.00	164.05	161.13	84.17	-8,160.34	2,508.26	994.72	681.64	313.08	3.177		
18,800.00	7,730.00	18,312.19	7,630.00	165.71	162.82	84.17	-8,260.34	2,507.92	994.72	678.23	316.49	3.143		
18,900.00	7,730.00	18,412.19	7,630.00	167.36	164.52	84.17	-8,360.34	2,507.59	994.72	674.81	319.91	3.109		
18,942.39	7,730.00	18,454.58	7,630.00	168.07	165.23	84.17	-8,402.73	2,507.44	994.72	673.36	321.35	3.095 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1E-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	-90.00	0.00	-19.88	19.88					
100.00	100.00	101.00	101.00	0.13	0.14	-90.00	0.00	-19.88	19.88	19.61	0.27	72.971		
200.00	200.00	201.00	201.00	0.49	0.50	-90.00	0.00	-19.88	19.88	18.89	0.99	20.094		
300.00	300.00	301.00	301.00	0.85	0.85	-90.00	0.00	-19.88	19.88	18.17	1.71	11.651		
400.00	400.00	401.00	401.00	1.21	1.21	-90.00	0.00	-19.88	19.88	17.46	2.42	8.204		
500.00	500.00	501.00	501.00	1.57	1.57	-90.00	0.00	-19.88	19.88	16.74	3.14	6.331		
600.00	600.00	601.00	601.00	1.93	1.93	-90.00	0.00	-19.88	19.88	16.02	3.86	5.154		
700.00	700.00	701.00	701.00	2.29	2.29	-90.00	0.00	-19.88	19.88	15.31	4.57	4.346		
800.00	800.00	801.00	801.00	2.64	2.65	-90.00	0.00	-19.88	19.88	14.59	5.29	3.757 CC, ES		
900.00	899.98	900.98	900.98	3.00	3.01	-151.94	0.00	-19.88	21.40	15.40	6.00	3.565		
1,000.00	999.84	1,000.84	1,000.84	3.35	3.36	-157.30	0.00	-19.88	26.14	19.42	6.71	3.893		
1,100.00	1,099.45	1,101.54	1,101.52	3.71	3.72	-161.75	1.04	-18.41	32.70	25.28	7.42	4.406		
1,200.00	1,198.70	1,202.48	1,202.31	4.08	4.08	-164.26	4.14	-14.05	39.46	31.34	8.12	4.858		
1,300.00	1,297.47	1,303.66	1,303.09	4.47	4.44	-165.65	9.31	-6.77	46.33	37.51	8.82	5.252		
1,400.00	1,395.62	1,405.09	1,403.74	4.87	4.82	-166.35	16.55	3.43	53.25	43.73	9.52	5.596		
1,500.00	1,493.06	1,506.75	1,504.12	5.31	5.20	-166.59	25.88	16.57	60.21	50.00	10.21	5.896		
1,600.00	1,589.64	1,608.66	1,604.09	5.77	5.61	-166.51	37.30	32.64	67.19	56.28	10.91	6.159		
1,700.00	1,685.27	1,710.81	1,703.54	6.28	6.04	-166.20	50.79	51.65	74.19	62.57	11.61	6.388		
1,800.00	1,779.82	1,813.19	1,802.31	6.83	6.52	-165.71	66.38	73.59	81.19	68.87	12.33	6.587		
1,900.00	1,873.17	1,915.80	1,900.28	7.43	7.02	-165.10	84.03	98.46	88.20	75.15	13.05	6.757		
2,000.00	1,965.21	2,018.65	1,997.32	8.08	7.58	-164.38	103.75	126.23	95.22	81.42	13.80	6.900		
2,100.00	2,055.84	2,121.72	2,093.27	8.79	8.18	-163.58	125.53	156.90	102.24	87.67	14.57	7.015		
2,200.00	2,144.94	2,225.01	2,188.02	9.56	8.84	-162.71	149.35	190.43	109.27	93.89	15.38	7.103		
2,300.00	2,232.39	2,328.52	2,281.41	10.39	9.56	-161.79	175.18	226.81	116.30	100.06	16.23	7.163		
2,400.00	2,318.11	2,432.25	2,373.32	11.30	10.35	-160.82	203.01	266.00	123.33	106.19	17.14	7.196		
2,504.60	2,405.78	2,540.07	2,466.99	12.31	11.23	-159.79	233.92	309.54	130.77	112.59	18.18	7.195		
2,600.00	2,484.79	2,635.17	2,549.03	13.28	12.05	-159.07	261.77	348.76	138.15	118.89	19.25	7.175		
2,700.00	2,567.60	2,734.85	2,635.02	14.32	12.93	-158.40	290.96	389.87	145.91	125.49	20.42	7.146		
2,800.00	2,650.41	2,834.54	2,721.01	15.37	13.83	-157.79	320.16	430.98	153.68	132.07	21.61	7.111		
2,900.00	2,733.23	2,934.22	2,807.00	16.44	14.74	-157.24	349.35	472.09	161.48	138.64	22.84	7.071		
3,000.00	2,816.04	3,033.91	2,893.00	17.52	15.66	-156.74	378.54	513.20	169.28	145.20	24.09	7.028		
3,100.00	2,898.85	3,133.59	2,978.99	18.60	16.60	-156.28	407.74	554.32	177.10	151.75	25.36	6.985		
3,200.00	2,981.67	3,233.28	3,064.98	19.69	17.54	-155.87	436.93	595.43	184.93	158.28	26.65	6.940		
3,300.00	3,064.48	3,332.96	3,150.97	20.79	18.49	-155.48	466.13	636.54	192.77	164.82	27.95	6.896		
3,400.00	3,147.30	3,432.65	3,236.96	21.90	19.44	-155.13	495.32	677.65	200.61	171.34	29.28	6.853		
3,500.00	3,230.11	3,532.33	3,322.95	23.00	20.40	-154.80	524.51	718.76	208.47	177.85	30.61	6.810		
3,600.00	3,312.92	3,632.01	3,408.95	24.12	21.36	-154.50	553.71	759.87	216.32	184.37	31.96	6.769		
3,700.00	3,395.74	3,731.70	3,494.94	25.23	22.33	-154.22	582.90	800.99	224.19	190.87	33.32	6.729		
3,800.00	3,478.55	3,831.38	3,580.93	26.35	23.30	-153.96	612.09	842.10	232.06	197.37	34.69	6.690		
3,900.00	3,561.36	3,931.07	3,666.92	27.47	24.27	-153.71	641.29	883.21	239.93	203.87	36.06	6.653		
4,000.00	3,644.18	4,030.75	3,752.91	28.59	25.25	-153.48	670.48	924.32	247.81	210.36	37.45	6.618		
4,100.00	3,726.99	4,130.44	3,838.90	29.72	26.23	-153.27	699.67	965.43	255.69	216.85	38.84	6.583		
4,200.00	3,809.81	4,230.12	3,924.90	30.85	27.21	-153.07	728.87	1,006.54	263.57	223.34	40.24	6.551		
4,300.00	3,892.62	4,329.81	4,010.89	31.98	28.19	-152.87	758.06	1,047.66	271.46	229.82	41.64	6.519		
4,400.00	3,975.43	4,429.49	4,096.88	33.11	29.17	-152.69	787.26	1,088.77	279.35	236.30	43.05	6.489		
4,500.00	4,058.25	4,529.17	4,182.87	34.24	30.16	-152.52	816.45	1,129.88	287.25	242.78	44.47	6.460		
4,600.00	4,141.06	4,628.86	4,268.86	35.37	31.15	-152.36	845.64	1,170.99	295.14	249.26	45.88	6.432		
4,700.00	4,223.87	4,728.54	4,354.85	36.50	32.13	-152.21	874.84	1,212.10	303.04	255.73	47.31	6.406		
4,800.00	4,306.69	4,828.23	4,440.84	37.64	33.12	-152.07	904.03	1,253.21	310.94	262.20	48.74	6.380		
4,900.00	4,389.50	4,927.91	4,526.84	38.77	34.11	-151.93	933.22	1,294.33	318.84	268.68	50.17	6.356		
5,000.00	4,472.32	5,027.60	4,612.83	39.91	35.10	-151.80	962.42	1,335.44	326.74	275.14	51.60	6.332		
5,100.00	4,555.13	5,127.28	4,698.82	41.05	36.10	-151.67	991.61	1,376.55	334.65	281.61	53.04	6.310		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1E-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	5,226.97	4,784.81	42.18	37.09	-151.55	1,020.80	1,417.66	342.56	288.08	54.48	6.288		
5,300.00	4,720.76	5,326.65	4,870.80	43.32	38.08	-151.44	1,050.00	1,458.77	350.46	294.55	55.92	6.267		
5,400.00	4,803.57	5,426.33	4,956.79	44.46	39.08	-151.33	1,079.19	1,499.88	358.37	301.01	57.36	6.247		
5,500.00	4,886.39	5,526.02	5,042.79	45.60	40.07	-151.23	1,108.38	1,541.00	366.28	307.47	58.81	6.228		
5,600.00	4,969.20	5,625.70	5,128.78	46.74	41.07	-151.13	1,137.58	1,582.11	374.20	313.94	60.26	6.210		
5,700.00	5,052.01	5,725.39	5,214.77	47.88	42.06	-151.03	1,166.77	1,623.22	382.11	320.40	61.71	6.192		
5,800.00	5,134.83	5,825.07	5,300.76	49.02	43.06	-150.94	1,195.97	1,664.33	390.02	326.86	63.16	6.175		
5,900.00	5,217.64	5,924.76	5,386.75	50.16	44.05	-150.85	1,225.16	1,705.44	397.94	333.32	64.62	6.158		
6,000.00	5,300.45	6,024.44	5,472.74	51.30	45.05	-150.77	1,254.35	1,746.55	405.85	339.78	66.08	6.142		
6,100.00	5,383.27	6,124.13	5,558.74	52.45	46.05	-150.69	1,283.55	1,787.67	413.77	346.24	67.53	6.127		
6,200.00	5,466.08	6,223.81	5,644.73	53.59	47.05	-150.61	1,312.74	1,828.78	421.69	352.69	68.99	6.112		
6,300.00	5,548.90	6,323.49	5,730.72	54.73	48.05	-150.53	1,341.93	1,869.89	429.60	359.15	70.45	6.098		
6,400.00	5,631.71	6,423.18	5,816.71	55.87	49.04	-150.46	1,371.13	1,911.00	437.52	365.61	71.92	6.084		
6,500.00	5,714.52	6,522.86	5,902.70	57.02	50.04	-150.39	1,400.32	1,952.11	445.44	372.06	73.38	6.070		
6,600.00	5,797.34	6,622.55	5,988.69	58.16	51.04	-150.32	1,429.51	1,993.22	453.36	378.52	74.84	6.057		
6,700.00	5,880.15	6,722.23	6,074.69	59.30	52.04	-150.26	1,458.71	2,034.34	461.28	384.97	76.31	6.045		
6,800.00	5,962.96	6,821.92	6,160.68	60.45	53.04	-150.19	1,487.90	2,075.45	469.20	391.43	77.78	6.033		
6,900.00	6,045.78	6,921.60	6,246.67	61.59	54.04	-150.13	1,517.09	2,116.56	477.13	397.88	79.24	6.021		
7,000.00	6,128.59	7,021.29	6,332.66	62.73	55.04	-150.07	1,546.29	2,157.67	485.05	404.34	80.71	6.010		
7,100.00	6,211.41	7,120.97	6,418.65	63.88	56.04	-150.02	1,575.48	2,198.78	492.97	410.79	82.18	5.999		
7,200.00	6,294.22	7,220.66	6,504.64	65.02	57.04	-149.96	1,604.68	2,239.89	500.89	417.24	83.65	5.988		
7,300.00	6,377.03	7,320.34	6,590.64	66.17	58.04	-149.91	1,633.87	2,281.01	508.82	423.70	85.12	5.978		
7,400.00	6,459.85	7,420.02	6,676.63	67.31	59.05	-149.86	1,663.06	2,322.12	516.74	430.15	86.59	5.967		
7,500.00	6,542.66	7,519.71	6,762.62	68.46	60.05	-149.81	1,692.26	2,363.23	524.67	436.60	88.07	5.958		
7,600.00	6,625.48	7,619.39	6,848.61	69.60	61.05	-149.76	1,721.45	2,404.34	532.59	443.05	89.54	5.948		
7,700.00	6,708.29	7,719.08	6,934.60	70.75	62.05	-149.71	1,750.64	2,445.45	540.52	449.50	91.01	5.939		
7,800.00	6,791.10	7,818.76	7,020.59	71.89	63.05	-149.66	1,779.84	2,486.57	548.44	455.95	92.49	5.930		
7,900.00	6,873.92	7,918.45	7,106.58	73.04	64.05	-149.62	1,809.03	2,527.68	556.37	462.41	93.96	5.921		
8,000.00	6,956.73	8,018.13	7,192.58	74.18	65.06	-149.58	1,838.22	2,568.79	564.29	468.86	95.44	5.913		
8,100.00	7,039.54	8,121.94	7,283.82	75.33	66.04	-150.31	1,861.08	2,612.38	571.88	475.93	95.95	5.960		
8,165.32	7,093.63	8,187.39	7,342.69	76.08	66.58	-151.71	1,866.00	2,640.48	576.66	481.58	95.07	6.066		
8,200.00	7,122.60	8,220.96	7,372.98	76.47	66.82	-157.69	1,865.63	2,654.92	579.35	484.96	94.39	6.138		
8,250.00	7,165.05	8,268.46	7,415.70	77.01	67.13	-167.01	1,861.75	2,675.29	583.56	490.13	93.43	6.246		
8,300.00	7,208.03	8,314.97	7,457.12	77.52	67.39	-176.92	1,854.16	2,695.02	588.09	495.57	92.52	6.357		
8,350.00	7,251.22	8,360.60	7,497.09	77.99	67.60	172.94	1,843.13	2,714.04	592.89	501.21	91.68	6.467		
8,400.00	7,294.28	8,405.42	7,535.46	78.41	67.77	163.02	1,828.89	2,732.29	597.90	506.97	90.93	6.575		
8,450.00	7,336.90	8,449.51	7,572.11	78.78	67.90	153.71	1,811.70	2,749.71	603.04	512.77	90.28	6.680		
8,500.00	7,378.73	8,492.93	7,606.94	79.10	67.98	145.29	1,791.76	2,766.26	608.25	518.54	89.71	6.780		
8,550.00	7,419.47	8,535.76	7,639.87	79.37	68.04	137.86	1,769.29	2,781.89	613.46	524.21	89.24	6.874		
8,600.00	7,458.81	8,578.06	7,670.82	79.59	68.06	131.41	1,744.48	2,796.57	618.59	529.73	88.86	6.961		
8,650.00	7,496.44	8,619.88	7,699.72	79.76	68.05	125.88	1,717.54	2,810.26	623.58	535.01	88.57	7.040		
8,700.00	7,532.08	8,661.29	7,726.51	79.88	68.02	121.16	1,688.64	2,822.94	628.37	540.00	88.37	7.111		
8,750.00	7,565.46	8,702.32	7,751.13	79.95	67.96	117.16	1,657.97	2,834.58	632.90	544.66	88.25	7.172		
8,800.00	7,596.33	8,743.04	7,773.55	79.98	67.88	113.78	1,625.68	2,845.16	637.12	548.91	88.21	7.223		
8,850.00	7,624.44	8,783.47	7,793.71	79.97	67.78	110.94	1,591.95	2,854.66	640.97	552.71	88.26	7.262		
8,900.00	7,649.59	8,823.67	7,811.58	79.93	67.67	108.58	1,556.94	2,863.07	644.41	556.03	88.39	7.291		
8,950.00	7,671.59	8,863.68	7,827.12	79.84	67.54	106.64	1,520.81	2,870.36	647.41	558.81	88.60	7.307		
9,000.00	7,690.26	8,903.53	7,840.30	79.73	67.40	105.09	1,483.72	2,876.52	649.92	561.04	88.88	7.312		
9,050.00	7,705.47	8,943.27	7,851.10	79.59	67.24	103.90	1,445.82	2,881.54	651.93	562.68	89.25	7.305		
9,100.00	7,717.09	8,982.92	7,859.49	79.43	67.08	103.04	1,407.27	2,885.41	653.41	563.73	89.68	7.286		
9,150.00	7,725.04	9,022.52	7,865.44	79.26	66.90	102.49	1,368.22	2,888.12	654.34	564.18	90.17	7.257		
9,200.00	7,729.27	9,062.11	7,868.95	79.06	66.72	102.25	1,328.83	2,889.66	654.73	564.02	90.70	7.218		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1E-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	9,086.77	7,869.89	78.93	66.61	102.25	1,304.19	2,890.02	654.69	563.63	91.06	7.190		
9,246.00	7,730.00	9,098.78	7,870.00	78.87	66.55	102.26	1,292.44	2,890.04	654.65	563.42	91.23	7.176		
9,300.00	7,730.00	9,152.52	7,870.00	78.65	66.30	102.26	1,238.44	2,889.85	654.65	563.87	90.78	7.211		
9,400.00	7,730.00	9,252.52	7,870.00	78.26	65.86	102.26	1,138.44	2,889.52	654.65	564.60	90.05	7.270		
9,500.00	7,730.00	9,352.52	7,870.00	77.89	65.43	102.26	1,038.44	2,889.18	654.65	565.21	89.44	7.319		
9,600.00	7,730.00	9,452.52	7,870.00	77.53	65.03	102.26	938.44	2,888.84	654.65	565.68	88.97	7.358		
9,700.00	7,730.00	9,552.52	7,870.00	77.19	64.65	102.26	838.44	2,888.50	654.65	566.02	88.63	7.387		
9,800.00	7,730.00	9,652.52	7,870.00	76.88	64.29	102.26	738.44	2,888.17	654.65	566.23	88.42	7.404		
9,900.00	7,730.00	9,752.52	7,870.00	76.58	63.95	102.26	638.44	2,887.83	654.65	566.30	88.35	7.410		
10,000.00	7,730.00	9,852.52	7,870.00	76.30	63.64	102.26	538.44	2,887.49	654.65	566.24	88.42	7.404		
10,100.00	7,730.00	9,952.52	7,870.00	76.04	63.35	102.26	438.44	2,887.15	654.65	566.03	88.62	7.387		
10,200.00	7,730.00	10,052.52	7,870.00	75.79	63.07	102.26	338.44	2,886.81	654.65	565.70	88.96	7.359		
10,300.00	7,730.00	10,152.52	7,870.00	75.57	62.83	102.26	238.44	2,886.48	654.65	565.23	89.43	7.321		
10,400.00	7,730.00	10,252.52	7,870.00	75.36	62.60	102.26	138.44	2,886.14	654.65	564.62	90.03	7.272		
10,500.00	7,730.00	10,352.52	7,870.00	75.18	62.40	102.26	38.44	2,885.80	654.65	563.89	90.76	7.213		
10,600.00	7,730.00	10,452.52	7,870.00	75.01	62.22	102.26	-61.56	2,885.46	654.65	563.03	91.62	7.145		
10,700.00	7,730.00	10,552.52	7,870.00	74.86	62.07	102.26	-161.55	2,885.13	654.65	562.06	92.60	7.070		
10,800.00	7,730.00	10,652.52	7,870.00	74.74	61.95	102.26	-261.55	2,884.79	654.65	560.96	93.69	6.987		
10,900.00	7,730.00	10,752.52	7,870.00	74.64	61.85	102.26	-361.55	2,884.45	654.65	559.75	94.91	6.898		
11,000.00	7,730.00	10,852.52	7,870.00	74.56	61.79	102.26	-461.55	2,884.11	654.65	558.42	96.23	6.803		
11,100.00	7,730.00	10,952.52	7,870.00	74.51	61.77	102.26	-561.55	2,883.77	654.65	557.00	97.66	6.704		
11,200.00	7,730.00	11,052.52	7,870.00	74.48	61.79	102.26	-661.55	2,883.44	654.65	555.47	99.18	6.600		
11,300.00	7,730.00	11,152.52	7,870.00	74.48	61.85	102.26	-761.55	2,883.10	654.65	553.84	100.81	6.494		
11,400.00	7,730.00	11,252.52	7,870.00	74.50	61.96	102.26	-861.55	2,882.76	654.65	552.13	102.53	6.385		
11,500.00	7,730.00	11,352.52	7,870.00	74.56	62.13	102.26	-961.55	2,882.42	654.65	550.32	104.33	6.275		
11,600.00	7,730.00	11,452.52	7,870.00	74.66	62.36	102.26	-1,061.55	2,882.09	654.65	548.44	106.22	6.163		
11,700.00	7,730.00	11,552.52	7,870.00	74.79	62.66	102.26	-1,161.55	2,881.75	654.65	546.47	108.18	6.051		
11,800.00	7,730.00	11,652.52	7,870.00	74.96	63.04	102.26	-1,261.55	2,881.41	654.65	544.43	110.22	5.940		
11,900.00	7,730.00	11,752.52	7,870.00	75.17	63.50	102.26	-1,361.55	2,881.07	654.65	542.32	112.33	5.828		
12,000.00	7,730.00	11,852.52	7,870.00	75.43	64.05	102.26	-1,461.55	2,880.73	654.65	540.15	114.51	5.717		
12,100.00	7,730.00	11,952.52	7,870.00	75.73	64.68	102.26	-1,561.55	2,880.40	654.65	537.91	116.74	5.608		
12,200.00	7,730.00	12,052.52	7,870.00	76.09	65.40	102.26	-1,661.55	2,880.06	654.65	535.61	119.04	5.499		
12,300.00	7,730.00	12,152.52	7,870.00	76.51	66.20	102.26	-1,761.55	2,879.72	654.65	533.26	121.39	5.393		
12,400.00	7,730.00	12,252.52	7,870.00	76.97	67.07	102.26	-1,861.55	2,879.38	654.66	530.85	123.80	5.288		
12,500.00	7,730.00	12,352.52	7,870.00	77.50	68.02	102.26	-1,961.54	2,879.05	654.66	528.40	126.26	5.185		
12,600.00	7,730.00	12,452.52	7,870.00	78.09	69.02	102.26	-2,061.54	2,878.71	654.66	525.90	128.76	5.084		
12,700.00	7,730.00	12,552.52	7,870.00	78.74	70.09	102.26	-2,161.54	2,878.37	654.66	523.35	131.30	4.986		
12,800.00	7,730.00	12,652.52	7,870.00	79.45	71.20	102.26	-2,261.54	2,878.03	654.66	520.76	133.89	4.889		
12,900.00	7,730.00	12,752.52	7,870.00	80.22	72.36	102.26	-2,361.54	2,877.69	654.66	518.14	136.52	4.795		
13,000.00	7,730.00	12,852.52	7,870.00	81.05	73.56	102.26	-2,461.54	2,877.36	654.66	515.47	139.18	4.704		
13,100.00	7,730.00	12,952.52	7,870.00	81.94	74.79	102.26	-2,561.54	2,877.02	654.66	512.78	141.88	4.614		
13,200.00	7,730.00	13,052.52	7,870.00	82.87	76.06	102.26	-2,661.54	2,876.68	654.66	510.04	144.61	4.527		
13,300.00	7,730.00	13,152.52	7,870.00	83.86	77.36	102.26	-2,761.54	2,876.34	654.66	507.28	147.37	4.442		
13,400.00	7,730.00	13,252.52	7,870.00	84.90	78.68	102.26	-2,861.54	2,876.00	654.66	504.49	150.17	4.360		
13,500.00	7,730.00	13,352.52	7,870.00	85.97	80.02	102.26	-2,961.54	2,875.67	654.66	501.67	152.99	4.279		
13,600.00	7,730.00	13,452.52	7,870.00	87.09	81.38	102.26	-3,061.54	2,875.33	654.66	498.82	155.83	4.201		
13,700.00	7,730.00	13,552.52	7,870.00	88.25	82.77	102.26	-3,161.54	2,874.99	654.66	495.95	158.70	4.125		
13,800.00	7,730.00	13,652.52	7,870.00	89.44	84.17	102.26	-3,261.54	2,874.65	654.66	493.06	161.60	4.051		
13,900.00	7,730.00	13,752.52	7,870.00	90.66	85.59	102.26	-3,361.54	2,874.32	654.66	490.14	164.51	3.979		
14,000.00	7,730.00	13,852.52	7,870.00	91.92	87.02	102.26	-3,461.54	2,873.98	654.66	487.21	167.45	3.910		
14,100.00	7,730.00	13,952.52	7,870.00	93.20	88.47	102.26	-3,561.54	2,873.64	654.66	484.25	170.41	3.842		
14,200.00	7,730.00	14,052.52	7,870.00	94.50	89.93	102.26	-3,661.53	2,873.30	654.66	481.27	173.39	3.776		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1E-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	14,152.52	7,870.00	95.83	91.40	102.26	-3,761.53	2,872.96	654.66	478.28	176.38	3.712		
14,400.00	7,730.00	14,252.52	7,870.00	97.17	92.88	102.26	-3,861.53	2,872.63	654.66	475.26	179.39	3.649		
14,500.00	7,730.00	14,352.52	7,870.00	98.54	94.38	102.26	-3,961.53	2,872.29	654.66	472.24	182.42	3.589		
14,600.00	7,730.00	14,452.52	7,870.00	99.92	95.88	102.26	-4,061.53	2,871.95	654.66	469.19	185.47	3.530		
14,700.00	7,730.00	14,552.52	7,870.00	101.32	97.39	102.26	-4,161.53	2,871.61	654.66	466.13	188.52	3.473		
14,800.00	7,730.00	14,652.52	7,870.00	102.74	98.91	102.26	-4,261.53	2,871.28	654.66	463.06	191.60	3.417		
14,900.00	7,730.00	14,752.52	7,870.00	104.17	100.44	102.26	-4,361.53	2,870.94	654.66	459.98	194.68	3.363		
15,000.00	7,730.00	14,852.52	7,870.00	105.62	101.98	102.26	-4,461.53	2,870.60	654.66	456.88	197.78	3.310		
15,100.00	7,730.00	14,952.52	7,870.00	107.07	103.53	102.26	-4,561.53	2,870.26	654.66	453.77	200.89	3.259		
15,200.00	7,730.00	15,052.52	7,870.00	108.54	105.08	102.26	-4,661.53	2,869.92	654.66	450.64	204.01	3.209		
15,300.00	7,730.00	15,152.52	7,870.00	110.02	106.64	102.26	-4,761.53	2,869.59	654.66	447.51	207.15	3.160		
15,400.00	7,730.00	15,252.52	7,870.00	111.51	108.20	102.26	-4,861.53	2,869.25	654.66	444.37	210.29	3.113		
15,500.00	7,730.00	15,352.52	7,870.00	113.01	109.77	102.26	-4,961.53	2,868.91	654.66	441.21	213.45	3.067		
15,600.00	7,730.00	15,452.52	7,870.00	114.52	111.35	102.26	-5,061.53	2,868.57	654.66	438.05	216.61	3.022		
15,700.00	7,730.00	15,552.52	7,870.00	116.04	112.93	102.26	-5,161.53	2,868.24	654.66	434.88	219.78	2.979		
15,800.00	7,730.00	15,652.52	7,870.00	117.56	114.52	102.26	-5,261.53	2,867.90	654.66	431.69	222.96	2.936		
15,900.00	7,730.00	15,752.52	7,870.00	119.09	116.11	102.26	-5,361.53	2,867.56	654.66	428.50	226.16	2.895		
16,000.00	7,730.00	15,852.52	7,870.00	120.63	117.71	102.26	-5,461.52	2,867.22	654.66	425.31	229.35	2.854		
16,100.00	7,730.00	15,952.52	7,870.00	122.18	119.31	102.26	-5,561.52	2,866.88	654.66	422.10	232.56	2.815		
16,200.00	7,730.00	16,052.52	7,870.00	123.73	120.92	102.26	-5,661.52	2,866.55	654.66	418.89	235.77	2.777		
16,300.00	7,730.00	16,152.52	7,870.00	125.29	122.53	102.26	-5,761.52	2,866.21	654.66	415.67	239.00	2.739		
16,400.00	7,730.00	16,252.52	7,870.00	126.86	124.14	102.26	-5,861.52	2,865.87	654.66	412.44	242.22	2.703		
16,500.00	7,730.00	16,352.52	7,870.00	128.43	125.76	102.26	-5,961.52	2,865.53	654.66	409.20	245.46	2.667		
16,600.00	7,730.00	16,452.52	7,870.00	130.01	127.39	102.26	-6,061.52	2,865.20	654.66	405.96	248.70	2.632		
16,700.00	7,730.00	16,552.52	7,870.00	131.59	129.01	102.26	-6,161.52	2,864.86	654.66	402.72	251.95	2.598		
16,800.00	7,730.00	16,652.52	7,870.00	133.18	130.64	102.26	-6,261.52	2,864.52	654.66	399.46	255.20	2.565		
16,900.00	7,730.00	16,752.52	7,870.00	134.77	132.28	102.26	-6,361.52	2,864.18	654.66	396.20	258.46	2.533		
17,000.00	7,730.00	16,852.52	7,870.00	136.37	133.91	102.26	-6,461.52	2,863.84	654.66	392.94	261.72	2.501		
17,100.00	7,730.00	16,952.52	7,870.00	137.97	135.55	102.26	-6,561.52	2,863.51	654.66	389.67	264.99	2.471		
17,200.00	7,730.00	17,052.52	7,870.00	139.57	137.19	102.26	-6,661.52	2,863.17	654.66	386.40	268.26	2.440		
17,300.00	7,730.00	17,152.52	7,870.00	141.18	138.84	102.26	-6,761.52	2,862.83	654.66	383.12	271.54	2.411		
17,400.00	7,730.00	17,252.52	7,870.00	142.79	140.49	102.26	-6,861.52	2,862.49	654.66	379.83	274.83	2.382		
17,500.00	7,730.00	17,352.52	7,870.00	144.41	142.14	102.26	-6,961.52	2,862.16	654.66	376.55	278.12	2.354		
17,600.00	7,730.00	17,452.52	7,870.00	146.03	143.79	102.26	-7,061.52	2,861.82	654.66	373.25	281.41	2.326		
17,700.00	7,730.00	17,552.52	7,870.00	147.65	145.45	102.26	-7,161.52	2,861.48	654.66	369.96	284.71	2.299		
17,800.00	7,730.00	17,652.52	7,870.00	149.28	147.11	102.26	-7,261.51	2,861.14	654.66	366.66	288.01	2.273		
17,900.00	7,730.00	17,752.52	7,870.00	150.91	148.77	102.26	-7,361.51	2,860.80	654.66	363.35	291.31	2.247		
18,000.00	7,730.00	17,852.52	7,870.00	152.54	150.43	102.26	-7,461.51	2,860.47	654.66	360.04	294.62	2.222		
18,100.00	7,730.00	17,952.52	7,870.00	154.18	152.09	102.26	-7,561.51	2,860.13	654.66	356.73	297.93	2.197		
18,200.00	7,730.00	18,052.52	7,870.00	155.82	153.76	102.26	-7,661.51	2,859.79	654.66	353.41	301.25	2.173		
18,300.00	7,730.00	18,152.52	7,870.00	157.46	155.43	102.26	-7,761.51	2,859.45	654.66	350.09	304.57	2.149		
18,400.00	7,730.00	18,252.52	7,870.00	159.11	157.10	102.26	-7,861.51	2,859.11	654.66	346.77	307.89	2.126		
18,500.00	7,730.00	18,352.52	7,870.00	160.75	158.78	102.26	-7,961.51	2,858.78	654.66	343.45	311.22	2.104		
18,600.00	7,730.00	18,452.52	7,870.00	162.40	160.45	102.26	-8,061.51	2,858.44	654.66	340.12	314.55	2.081		
18,700.00	7,730.00	18,552.52	7,870.00	164.05	162.13	102.26	-8,161.51	2,858.10	654.66	336.78	317.88	2.059		
18,800.00	7,730.00	18,652.52	7,870.00	165.71	163.81	102.26	-8,261.51	2,857.76	654.66	333.45	321.21	2.038		
18,900.00	7,730.00	18,752.52	7,870.00	167.36	165.49	102.26	-8,361.51	2,857.43	654.66	330.11	324.55	2.017		
18,942.39	7,730.00	18,794.91	7,870.00	168.07	166.20	102.26	-8,403.90	2,857.28	654.66	328.70	325.97	2.008 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1F-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	-90.00	0.00	-10.08	10.08					
100.00	100.00	101.00	101.00	0.13	0.14	-90.00	0.00	-10.08	10.08	9.81	0.27	36.999		
200.00	200.00	201.00	201.00	0.49	0.50	-90.00	0.00	-10.08	10.08	9.09	0.99	10.188		
300.00	300.00	301.00	301.00	0.85	0.85	-90.00	0.00	-10.08	10.08	8.37	1.71	5.907		
400.00	400.00	401.00	401.00	1.21	1.21	-90.00	0.00	-10.08	10.08	7.66	2.42	4.160		
500.00	500.00	501.00	501.00	1.57	1.57	-90.00	0.00	-10.08	10.08	6.94	3.14	3.210		
600.00	600.00	601.00	601.00	1.93	1.93	-90.00	0.00	-10.08	10.08	6.22	3.86	2.613		
700.00	700.00	701.00	701.00	2.29	2.29	-90.00	0.00	-10.08	10.08	5.51	4.57	2.204		
800.00	800.00	801.00	801.00	2.64	2.65	-90.00	0.00	-10.08	10.08	4.79	5.29	1.905 CC, ES		
900.00	899.98	900.98	900.98	3.00	3.01	-153.93	0.00	-10.08	11.62	5.61	6.00	1.935		
1,000.00	999.84	1,001.34	1,001.32	3.35	3.36	-159.54	0.97	-8.57	14.82	8.11	6.71	2.210		
1,100.00	1,099.45	1,101.82	1,101.65	3.71	3.72	-162.68	3.85	-4.11	18.15	10.74	7.41	2.451		
1,200.00	1,198.70	1,202.42	1,201.86	4.08	4.08	-164.45	8.64	3.32	21.54	13.44	8.10	2.659		
1,300.00	1,297.47	1,303.14	1,301.81	4.47	4.45	-165.40	15.34	13.72	24.96	16.17	8.79	2.839		
1,400.00	1,395.62	1,403.98	1,401.39	4.87	4.84	-165.82	23.96	27.08	28.40	18.92	9.48	2.995		
1,500.00	1,493.06	1,504.94	1,500.46	5.31	5.24	-165.88	34.48	43.40	31.84	21.67	10.17	3.131		
1,600.00	1,589.64	1,606.02	1,598.89	5.77	5.68	-165.68	46.90	62.67	35.29	24.43	10.86	3.248		
1,700.00	1,685.27	1,707.21	1,696.57	6.28	6.15	-165.30	61.21	84.87	38.74	27.18	11.57	3.350		
1,800.00	1,779.82	1,808.52	1,793.36	6.83	6.65	-164.77	77.41	109.99	42.19	29.91	12.28	3.437		
1,900.00	1,873.17	1,909.94	1,889.15	7.43	7.20	-164.14	95.46	138.00	45.64	32.63	13.01	3.509		
2,000.00	1,965.21	2,011.47	1,983.79	8.08	7.81	-163.41	115.37	168.87	49.08	35.32	13.76	3.568		
2,100.00	2,055.84	2,113.11	2,077.18	8.79	8.46	-162.62	137.11	202.59	52.52	37.98	14.54	3.613		
2,200.00	2,144.94	2,214.86	2,169.18	9.56	9.18	-161.77	160.65	239.11	55.96	40.60	15.35	3.645		
2,300.00	2,232.39	2,316.71	2,259.67	10.39	9.96	-160.87	185.97	278.39	59.39	43.17	16.22	3.662		
2,400.00	2,318.11	2,418.67	2,348.53	11.30	10.81	-159.93	213.05	320.39	62.82	45.69	17.13	3.666		
2,504.60	2,405.78	2,525.42	2,439.61	12.31	11.76	-158.92	243.22	367.19	66.40	48.24	18.16	3.656		
2,600.00	2,484.79	2,621.50	2,520.13	13.28	12.68	-157.75	271.62	411.24	68.83	49.55	19.29	3.569		
2,700.00	2,567.60	2,721.46	2,603.79	14.32	13.66	-156.54	301.26	457.22	71.23	50.65	20.58	3.462		
2,800.00	2,650.41	2,821.42	2,687.46	15.37	14.66	-155.41	330.91	503.20	73.65	51.73	21.92	3.360		
2,900.00	2,733.23	2,921.38	2,771.12	16.44	15.67	-154.36	360.55	549.17	76.10	52.79	23.31	3.264		
3,000.00	2,816.04	3,021.34	2,854.78	17.52	16.70	-153.37	390.19	595.15	78.58	53.83	24.75	3.175		
3,100.00	2,898.85	3,121.30	2,938.45	18.60	17.74	-152.44	419.83	641.13	81.08	54.84	26.23	3.091		
3,200.00	2,981.67	3,221.26	3,022.11	19.69	18.78	-151.57	449.47	687.10	83.59	55.84	27.75	3.012		
3,300.00	3,064.48	3,321.22	3,105.78	20.79	19.83	-150.75	479.11	733.08	86.13	56.83	29.30	2.940		
3,400.00	3,147.30	3,421.18	3,189.44	21.90	20.89	-149.98	508.75	779.06	88.68	57.80	30.88	2.872		
3,500.00	3,230.11	3,521.15	3,273.11	23.00	21.95	-149.25	538.39	825.03	91.25	58.76	32.49	2.809		
3,600.00	3,312.92	3,621.11	3,356.77	24.12	23.02	-148.56	568.03	871.01	93.83	59.71	34.12	2.750		
3,700.00	3,395.74	3,721.07	3,440.43	25.23	24.09	-147.90	597.67	916.99	96.43	60.65	35.78	2.695		
3,800.00	3,478.55	3,821.03	3,524.10	26.35	25.17	-147.29	627.31	962.96	99.03	61.58	37.45	2.644		
3,900.00	3,561.36	3,920.99	3,607.76	27.47	26.24	-146.70	656.95	1,008.94	101.65	62.50	39.15	2.597		
4,000.00	3,644.18	4,020.95	3,691.43	28.59	27.32	-146.14	686.59	1,054.91	104.28	63.42	40.86	2.552		
4,100.00	3,726.99	4,120.91	3,775.09	29.72	28.41	-145.61	716.23	1,100.89	106.91	64.33	42.59	2.510		
4,200.00	3,809.81	4,220.87	3,858.75	30.85	29.49	-145.11	745.87	1,146.87	109.56	65.23	44.33	2.472		
4,300.00	3,892.62	4,320.83	3,942.42	31.98	30.57	-144.63	775.51	1,192.84	112.21	66.13	46.08	2.435		
4,400.00	3,975.43	4,420.79	4,026.08	33.11	31.66	-144.17	805.15	1,238.82	114.87	67.03	47.85	2.401		
4,500.00	4,058.25	4,520.75	4,109.75	34.24	32.75	-143.73	834.80	1,284.80	117.54	67.92	49.62	2.369		
4,600.00	4,141.06	4,620.71	4,193.41	35.37	33.84	-143.31	864.44	1,330.77	120.22	68.81	51.41	2.338		
4,700.00	4,223.87	4,720.67	4,277.08	36.50	34.93	-142.91	894.08	1,376.75	122.90	69.69	53.21	2.310		
4,800.00	4,306.69	4,820.63	4,360.74	37.64	36.03	-142.53	923.72	1,422.73	125.58	70.57	55.01	2.283		
4,900.00	4,389.50	4,920.59	4,444.40	38.77	37.12	-142.16	953.36	1,468.70	128.28	71.45	56.82	2.257		
5,000.00	4,472.32	5,020.55	4,528.07	39.91	38.21	-141.81	983.00	1,514.68	130.97	72.33	58.64	2.233		
5,100.00	4,555.13	5,120.51	4,611.73	41.05	39.31	-141.47	1,012.64	1,560.66	133.67	73.21	60.47	2.211		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1F-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	5,220.47	4,695.40	42.18	40.40	-141.15	1,042.28	1,606.63	136.38	74.08	62.30	2.189		
5,300.00	4,720.76	5,320.43	4,779.06	43.32	41.50	-140.84	1,071.92	1,652.61	139.09	74.95	64.14	2.169		
5,400.00	4,803.57	5,420.39	4,862.72	44.46	42.60	-140.54	1,101.56	1,698.58	141.80	75.82	65.98	2.149		
5,500.00	4,886.39	5,520.35	4,946.39	45.60	43.70	-140.25	1,131.20	1,744.56	144.52	76.69	67.83	2.131		
5,600.00	4,969.20	5,620.31	5,030.05	46.74	44.79	-139.97	1,160.84	1,790.54	147.24	77.56	69.68	2.113		
5,700.00	5,052.01	5,720.28	5,113.72	47.88	45.89	-139.70	1,190.48	1,836.51	149.97	78.43	71.54	2.096		
5,800.00	5,134.83	5,820.24	5,197.38	49.02	46.99	-139.45	1,220.12	1,882.49	152.70	79.30	73.40	2.080		
5,900.00	5,217.64	5,920.20	5,281.05	50.16	48.09	-139.20	1,249.76	1,928.47	155.43	80.16	75.27	2.065		
6,000.00	5,300.45	6,020.16	5,364.71	51.30	49.19	-138.96	1,279.40	1,974.44	158.16	81.03	77.13	2.050		
6,100.00	5,383.27	6,120.12	5,448.37	52.45	50.29	-138.72	1,309.05	2,020.42	160.90	81.89	79.01	2.037		
6,200.00	5,466.08	6,220.08	5,532.04	53.59	51.39	-138.50	1,338.69	2,066.40	163.64	82.76	80.88	2.023		
6,300.00	5,548.90	6,320.04	5,615.70	54.73	52.49	-138.28	1,368.33	2,112.37	166.38	83.62	82.76	2.010		
6,400.00	5,631.71	6,420.00	5,699.37	55.87	53.60	-138.07	1,397.97	2,158.35	169.12	84.48	84.64	1.998		
6,500.00	5,714.52	6,519.96	5,783.03	57.02	54.70	-137.87	1,427.61	2,204.32	171.87	85.34	86.52	1.986		
6,600.00	5,797.34	6,619.92	5,866.70	58.16	55.80	-137.67	1,457.25	2,250.30	174.62	86.21	88.41	1.975		
6,700.00	5,880.15	6,719.88	5,950.36	59.30	56.90	-137.48	1,486.89	2,296.28	177.37	87.07	90.30	1.964		
6,800.00	5,962.96	6,819.84	6,034.02	60.45	58.01	-137.30	1,516.53	2,342.25	180.12	87.93	92.19	1.954		
6,900.00	6,045.78	6,919.80	6,117.69	61.59	59.11	-137.12	1,546.17	2,388.23	182.87	88.79	94.08	1.944		
7,000.00	6,128.59	7,019.76	6,201.35	62.73	60.21	-136.94	1,575.81	2,434.21	185.63	89.65	95.98	1.934		
7,100.00	6,211.41	7,119.72	6,285.02	63.88	61.32	-136.77	1,605.45	2,480.18	188.39	90.51	97.87	1.925		
7,200.00	6,294.22	7,219.68	6,368.68	65.02	62.42	-136.61	1,635.09	2,526.16	191.14	91.37	99.77	1.916		
7,300.00	6,377.03	7,319.64	6,452.34	66.17	63.52	-136.45	1,664.73	2,572.14	193.90	92.23	101.67	1.907		
7,400.00	6,459.85	7,419.60	6,536.01	67.31	64.63	-136.30	1,694.37	2,618.11	196.67	93.09	103.57	1.899		
7,500.00	6,542.66	7,519.56	6,619.67	68.46	65.73	-136.14	1,724.01	2,664.09	199.43	93.96	105.47	1.891		
7,600.00	6,625.48	7,619.52	6,703.34	69.60	66.84	-136.00	1,753.65	2,710.07	202.19	94.82	107.38	1.883		
7,700.00	6,708.29	7,719.48	6,787.00	70.75	67.94	-135.86	1,783.29	2,756.04	204.96	95.68	109.28	1.875		
7,800.00	6,791.10	7,819.44	6,870.67	71.89	69.04	-135.72	1,812.94	2,802.02	207.73	96.54	111.19	1.868		
7,900.00	6,873.92	7,919.41	6,954.33	73.04	70.15	-135.58	1,842.58	2,847.99	210.49	97.40	113.10	1.861		
8,000.00	6,956.73	8,029.66	7,048.35	74.18	71.31	-135.53	1,867.39	2,899.63	211.13	98.80	112.33	1.880		
8,100.00	7,039.54	8,135.28	7,140.74	75.33	72.26	-144.58	1,871.66	2,950.31	208.10	103.34	104.76	1.986		
8,157.99	7,087.57	8,191.21	7,189.53	75.99	72.68	-150.43	1,866.06	2,977.04	207.08	109.01	98.07	2.112		
8,165.32	7,093.63	8,197.95	7,195.37	76.08	72.73	-151.23	1,865.01	2,980.24	207.11	109.95	97.16	2.132		
8,200.00	7,122.60	8,229.31	7,222.39	76.47	72.92	-159.87	1,859.14	2,995.04	207.87	114.86	93.01	2.235		
8,250.00	7,165.05	8,273.31	7,259.73	77.01	73.17	-172.91	1,848.08	3,015.47	210.81	122.96	87.85	2.400		
8,300.00	7,208.03	8,316.02	7,295.17	77.52	73.38	173.64	1,834.25	3,034.86	215.71	131.95	83.76	2.575		
8,350.00	7,251.22	8,357.60	7,328.72	77.99	73.54	160.24	1,817.93	3,053.20	222.26	141.64	80.62	2.757		
8,400.00	7,294.28	8,398.20	7,360.40	78.41	73.67	147.35	1,799.36	3,070.51	230.10	151.93	78.17	2.944		
8,450.00	7,336.90	8,437.93	7,390.21	78.78	73.76	135.41	1,778.76	3,086.78	238.89	162.75	76.14	3.137		
8,500.00	7,378.73	8,476.89	7,418.16	79.10	73.82	124.67	1,756.32	3,102.04	248.31	173.97	74.34	3.340		
8,550.00	7,419.47	8,515.18	7,444.27	79.37	73.85	115.24	1,732.21	3,116.27	258.06	185.45	72.61	3.554		
8,600.00	7,458.81	8,552.88	7,468.54	79.59	73.86	107.09	1,706.58	3,129.49	267.89	196.99	70.91	3.778		
8,650.00	7,496.44	8,590.06	7,490.98	79.76	73.85	100.11	1,679.58	3,141.71	277.59	208.36	69.23	4.010		
8,700.00	7,532.08	8,626.79	7,511.60	79.88	73.81	94.18	1,651.34	3,152.92	286.97	219.34	67.63	4.243		
8,750.00	7,565.46	8,663.12	7,530.39	79.95	73.76	89.17	1,621.98	3,163.12	295.88	229.69	66.19	4.470		
8,800.00	7,596.33	8,700.00	7,547.77	79.98	73.70	84.92	1,590.85	3,172.54	304.18	239.21	64.97	4.682		
8,850.00	7,624.44	8,734.79	7,562.52	79.97	73.61	81.41	1,560.37	3,180.53	311.76	247.62	64.15	4.860		
8,900.00	7,649.59	8,770.23	7,575.85	79.93	73.52	78.48	1,528.34	3,187.73	318.54	254.81	63.74	4.998		
8,950.00	7,671.59	8,805.46	7,587.36	79.84	73.41	76.08	1,495.64	3,193.93	324.45	260.60	63.85	5.082		
9,000.00	7,690.26	8,840.51	7,597.04	79.73	73.29	74.17	1,462.36	3,199.12	329.42	264.90	64.52	5.106		
9,050.00	7,705.47	8,875.42	7,604.89	79.59	73.16	72.69	1,428.60	3,203.31	333.40	267.63	65.78	5.069		
9,100.00	7,717.09	8,910.23	7,610.91	79.43	73.03	71.61	1,394.47	3,206.50	336.37	268.76	67.61	4.975		
9,150.00	7,725.04	8,944.97	7,615.10	79.26	72.89	70.90	1,360.06	3,208.68	338.28	268.32	69.97	4.835		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1F-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	8,979.67	7,617.45	79.06	72.74	70.56	1,325.46	3,209.85	339.14	266.34	72.80	4.658		
9,231.13	7,730.00	9,001.27	7,617.98	78.93	72.64	70.53	1,303.87	3,210.07	339.13	264.36	74.77	4.536		
9,234.06	7,730.00	9,011.36	7,618.00	78.92	72.60	70.53	1,303.30	3,210.08	339.10	263.83	75.27	4.505		
9,300.00	7,730.00	9,067.78	7,618.00	78.65	72.35	70.53	1,237.36	3,209.85	339.10	264.66	74.44	4.555		
9,400.00	7,730.00	9,167.78	7,618.00	78.26	71.93	70.54	1,137.36	3,209.52	339.11	265.92	73.19	4.633		
9,500.00	7,730.00	9,267.78	7,618.00	77.89	71.53	70.54	1,037.36	3,209.18	339.11	267.04	72.07	4.705		
9,600.00	7,730.00	9,367.78	7,618.00	77.53	71.15	70.54	937.36	3,208.84	339.11	268.02	71.09	4.770		
9,700.00	7,730.00	9,467.78	7,618.00	77.19	70.80	70.54	837.36	3,208.50	339.11	268.85	70.26	4.826		
9,800.00	7,730.00	9,567.78	7,618.00	76.88	70.46	70.54	737.36	3,208.16	339.11	269.53	69.58	4.873		
9,900.00	7,730.00	9,667.78	7,618.00	76.58	70.14	70.54	637.36	3,207.82	339.11	270.04	69.07	4.910		
10,000.00	7,730.00	9,767.78	7,618.00	76.30	69.84	70.54	537.36	3,207.48	339.11	270.40	68.71	4.935		
10,100.00	7,730.00	9,867.78	7,618.00	76.04	69.56	70.54	437.37	3,207.14	339.12	270.59	68.52	4.949		
10,200.00	7,730.00	9,967.78	7,618.00	75.79	69.30	70.54	337.37	3,206.80	339.12	270.62	68.50	4.951		
10,300.00	7,730.00	10,067.78	7,618.00	75.57	69.06	70.54	237.37	3,206.46	339.12	270.48	68.64	4.941		
10,400.00	7,730.00	10,167.78	7,618.00	75.36	68.84	70.54	137.37	3,206.12	339.12	270.18	68.94	4.919		
10,500.00	7,730.00	10,267.78	7,618.00	75.18	68.65	70.54	37.37	3,205.78	339.12	269.71	69.41	4.886		
10,600.00	7,730.00	10,367.78	7,618.00	75.01	68.47	70.54	-62.63	3,205.45	339.12	269.08	70.04	4.842		
10,700.00	7,730.00	10,467.78	7,618.00	74.86	68.32	70.54	-162.63	3,205.11	339.12	268.30	70.82	4.788		
10,800.00	7,730.00	10,567.78	7,618.00	74.74	68.19	70.54	-262.63	3,204.77	339.13	267.37	71.75	4.726		
10,900.00	7,730.00	10,667.78	7,618.00	74.64	68.09	70.54	-362.63	3,204.43	339.13	266.29	72.83	4.656		
11,000.00	7,730.00	10,767.78	7,618.00	74.56	68.01	70.54	-462.63	3,204.09	339.13	265.08	74.05	4.580		
11,100.00	7,730.00	10,867.78	7,618.00	74.51	67.96	70.54	-562.63	3,203.75	339.13	263.74	75.39	4.498		
11,200.00	7,730.00	10,967.78	7,618.00	74.48	67.95	70.54	-662.63	3,203.41	339.13	262.27	76.87	4.412		
11,300.00	7,730.00	11,067.78	7,618.00	74.48	67.96	70.54	-762.63	3,203.07	339.13	260.68	78.45	4.323		
11,400.00	7,730.00	11,167.78	7,618.00	74.50	68.01	70.54	-862.63	3,202.73	339.13	258.98	80.15	4.231		
11,500.00	7,730.00	11,267.78	7,618.00	74.56	68.10	70.54	-962.63	3,202.39	339.14	257.18	81.96	4.138		
11,600.00	7,730.00	11,367.78	7,618.00	74.66	68.24	70.54	-1,062.63	3,202.05	339.14	255.28	83.86	4.044		
11,700.00	7,730.00	11,467.78	7,618.00	74.79	68.42	70.54	-1,162.63	3,201.71	339.14	253.29	85.85	3.951		
11,800.00	7,730.00	11,567.78	7,618.00	74.96	68.66	70.54	-1,262.62	3,201.37	339.14	251.22	87.92	3.857		
11,900.00	7,730.00	11,667.78	7,618.00	75.17	68.95	70.54	-1,362.62	3,201.04	339.14	249.07	90.07	3.765		
12,000.00	7,730.00	11,767.78	7,618.00	75.43	69.31	70.54	-1,462.62	3,200.70	339.14	246.84	92.30	3.674		
12,100.00	7,730.00	11,867.78	7,618.00	75.73	69.73	70.54	-1,562.62	3,200.36	339.14	244.55	94.59	3.585		
12,200.00	7,730.00	11,967.78	7,618.00	76.09	70.22	70.54	-1,662.62	3,200.02	339.15	242.19	96.95	3.498		
12,300.00	7,730.00	12,067.78	7,618.00	76.51	70.78	70.54	-1,762.62	3,199.68	339.15	239.78	99.37	3.413		
12,400.00	7,730.00	12,167.78	7,618.00	76.97	71.41	70.54	-1,862.62	3,199.34	339.15	237.31	101.84	3.330		
12,500.00	7,730.00	12,267.78	7,618.00	77.50	72.11	70.54	-1,962.62	3,199.00	339.15	234.79	104.36	3.250		
12,600.00	7,730.00	12,367.78	7,618.00	78.09	72.88	70.54	-2,062.62	3,198.66	339.15	232.23	106.92	3.172		
12,700.00	7,730.00	12,467.78	7,618.00	78.74	73.72	70.54	-2,162.62	3,198.32	339.15	229.62	109.54	3.096		
12,800.00	7,730.00	12,567.78	7,618.00	79.45	74.63	70.54	-2,262.62	3,197.98	339.15	226.97	112.19	3.023		
12,900.00	7,730.00	12,667.78	7,618.00	80.22	75.59	70.54	-2,362.62	3,197.64	339.16	224.28	114.88	2.952		
13,000.00	7,730.00	12,767.78	7,618.00	81.05	76.61	70.54	-2,462.62	3,197.30	339.16	221.55	117.60	2.884		
13,100.00	7,730.00	12,867.78	7,618.00	81.94	77.68	70.54	-2,562.62	3,196.97	339.16	218.80	120.36	2.818		
13,200.00	7,730.00	12,967.78	7,618.00	82.87	78.80	70.54	-2,662.62	3,196.63	339.16	216.01	123.15	2.754		
13,300.00	7,730.00	13,067.78	7,618.00	83.86	79.95	70.54	-2,762.62	3,196.29	339.16	213.20	125.97	2.692		
13,400.00	7,730.00	13,167.78	7,618.00	84.90	81.15	70.54	-2,862.62	3,195.95	339.16	210.35	128.81	2.633		
13,500.00	7,730.00	13,267.78	7,618.00	85.97	82.38	70.54	-2,962.62	3,195.61	339.16	207.49	131.68	2.576		
13,600.00	7,730.00	13,367.78	7,618.00	87.09	83.64	70.54	-3,062.61	3,195.27	339.17	204.60	134.57	2.520		
13,700.00	7,730.00	13,467.78	7,618.00	88.25	84.93	70.54	-3,162.61	3,194.93	339.17	201.68	137.48	2.467		
13,800.00	7,730.00	13,567.78	7,618.00	89.44	86.24	70.54	-3,262.61	3,194.59	339.17	198.75	140.42	2.415		
13,900.00	7,730.00	13,667.78	7,618.00	90.66	87.58	70.54	-3,362.61	3,194.25	339.17	195.80	143.37	2.366		
14,000.00	7,730.00	13,767.78	7,618.00	91.92	88.94	70.54	-3,462.61	3,193.91	339.17	192.83	146.34	2.318		
14,100.00	7,730.00	13,867.78	7,618.00	93.20	90.32	70.54	-3,562.61	3,193.57	339.17	189.84	149.33	2.271		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - COSSLETT EAST 1F-22H-H168 - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,200.00	7,730.00	13,967.78	7,618.00	94.50	91.72	70.54	-3,662.61	3,193.23	339.17	186.84	152.34	2.226	
14,300.00	7,730.00	14,067.78	7,618.00	95.83	93.13	70.54	-3,762.61	3,192.90	339.18	183.82	155.36	2.183	
14,400.00	7,730.00	14,167.78	7,618.00	97.17	94.56	70.54	-3,862.61	3,192.56	339.18	180.78	158.39	2.141	
14,500.00	7,730.00	14,267.78	7,618.00	98.54	96.00	70.54	-3,962.61	3,192.22	339.18	177.74	161.44	2.101	
14,600.00	7,730.00	14,367.78	7,618.00	99.92	97.46	70.54	-4,062.61	3,191.88	339.18	174.68	164.50	2.062	
14,700.00	7,730.00	14,467.78	7,618.00	101.32	98.93	70.54	-4,162.61	3,191.54	339.18	171.61	167.57	2.024	
14,800.00	7,730.00	14,567.78	7,618.00	102.74	100.41	70.54	-4,262.61	3,191.20	339.18	168.53	170.66	1.988	
14,900.00	7,730.00	14,667.78	7,618.00	104.17	101.90	70.54	-4,362.61	3,190.86	339.18	165.43	173.75	1.952	
15,000.00	7,730.00	14,767.78	7,618.00	105.62	103.40	70.54	-4,462.61	3,190.52	339.19	162.33	176.86	1.918	
15,100.00	7,730.00	14,867.78	7,618.00	107.07	104.91	70.54	-4,562.61	3,190.18	339.19	159.22	179.97	1.885	
15,200.00	7,730.00	14,967.78	7,618.00	108.54	106.43	70.54	-4,662.61	3,189.84	339.19	156.10	183.09	1.853	
15,300.00	7,730.00	15,067.78	7,618.00	110.02	107.96	70.54	-4,762.60	3,189.50	339.19	152.96	186.23	1.821	
15,400.00	7,730.00	15,167.78	7,618.00	111.51	109.49	70.54	-4,862.60	3,189.16	339.19	149.83	189.37	1.791	
15,500.00	7,730.00	15,267.78	7,618.00	113.01	111.04	70.54	-4,962.60	3,188.83	339.19	146.68	192.51	1.762	
15,600.00	7,730.00	15,367.78	7,618.00	114.52	112.59	70.54	-5,062.60	3,188.49	339.19	143.52	195.67	1.734	
15,700.00	7,730.00	15,467.78	7,618.00	116.04	114.14	70.54	-5,162.60	3,188.15	339.20	140.36	198.83	1.706	
15,800.00	7,730.00	15,567.78	7,618.00	117.56	115.71	70.54	-5,262.60	3,187.81	339.20	137.19	202.00	1.679	
15,900.00	7,730.00	15,667.78	7,618.00	119.09	117.28	70.54	-5,362.60	3,187.47	339.20	134.02	205.18	1.653	
16,000.00	7,730.00	15,767.78	7,618.00	120.63	118.85	70.54	-5,462.60	3,187.13	339.20	130.84	208.36	1.628	
16,100.00	7,730.00	15,867.78	7,618.00	122.18	120.43	70.54	-5,562.60	3,186.79	339.20	127.65	211.55	1.603	
16,200.00	7,730.00	15,967.78	7,618.00	123.73	122.02	70.54	-5,662.60	3,186.45	339.20	124.46	214.74	1.580	
16,300.00	7,730.00	16,067.78	7,618.00	125.29	123.61	70.54	-5,762.60	3,186.11	339.20	121.26	217.94	1.556	
16,400.00	7,730.00	16,167.78	7,618.00	126.86	125.20	70.54	-5,862.60	3,185.77	339.21	118.06	221.15	1.534	
16,500.00	7,730.00	16,267.78	7,618.00	128.43	126.80	70.54	-5,962.60	3,185.43	339.21	114.85	224.36	1.512	
16,600.00	7,730.00	16,367.78	7,618.00	130.01	128.41	70.54	-6,062.60	3,185.09	339.21	111.64	227.57	1.491 Level 3	
16,700.00	7,730.00	16,467.78	7,618.00	131.59	130.02	70.54	-6,162.60	3,184.75	339.21	108.42	230.79	1.470 Level 3	
16,800.00	7,730.00	16,567.78	7,618.00	133.18	131.63	70.54	-6,262.60	3,184.42	339.21	105.20	234.01	1.450 Level 3	
16,900.00	7,730.00	16,667.78	7,618.00	134.77	133.25	70.54	-6,362.60	3,184.08	339.21	101.97	237.24	1.430 Level 3	
17,000.00	7,730.00	16,767.78	7,618.00	136.37	134.87	70.54	-6,462.60	3,183.74	339.21	98.74	240.47	1.411 Level 3	
17,100.00	7,730.00	16,867.78	7,618.00	137.97	136.49	70.54	-6,562.59	3,183.40	339.22	95.51	243.71	1.392 Level 3	
17,200.00	7,730.00	16,967.78	7,618.00	139.57	138.12	70.54	-6,662.59	3,183.06	339.22	92.27	246.94	1.374 Level 3	
17,300.00	7,730.00	17,067.78	7,618.00	141.18	139.75	70.54	-6,762.59	3,182.72	339.22	89.03	250.19	1.356 Level 3	
17,400.00	7,730.00	17,167.78	7,618.00	142.79	141.38	70.54	-6,862.59	3,182.38	339.22	85.79	253.43	1.339 Level 3	
17,500.00	7,730.00	17,267.78	7,618.00	144.41	143.02	70.54	-6,962.59	3,182.04	339.22	82.54	256.68	1.322 Level 3	
17,600.00	7,730.00	17,367.78	7,618.00	146.03	144.66	70.54	-7,062.59	3,181.70	339.22	79.29	259.93	1.305 Level 3	
17,700.00	7,730.00	17,467.78	7,618.00	147.65	146.30	70.54	-7,162.59	3,181.36	339.22	76.04	263.19	1.289 Level 3	
17,800.00	7,730.00	17,567.78	7,618.00	149.28	147.95	70.54	-7,262.59	3,181.02	339.23	72.78	266.45	1.273 Level 3	
17,900.00	7,730.00	17,667.78	7,618.00	150.91	149.60	70.54	-7,362.59	3,180.68	339.23	69.52	269.71	1.258 Level 3	
18,000.00	7,730.00	17,767.78	7,618.00	152.54	151.25	70.54	-7,462.59	3,180.35	339.23	66.26	272.97	1.243 Level 2	
18,100.00	7,730.00	17,867.78	7,618.00	154.18	152.90	70.54	-7,562.59	3,180.01	339.23	62.99	276.24	1.228 Level 2	
18,200.00	7,730.00	17,967.78	7,618.00	155.82	154.56	70.54	-7,662.59	3,179.67	339.23	59.73	279.51	1.214 Level 2	
18,300.00	7,730.00	18,067.78	7,618.00	157.46	156.21	70.54	-7,762.59	3,179.33	339.23	56.46	282.78	1.200 Level 2	
18,400.00	7,730.00	18,167.78	7,618.00	159.11	157.88	70.54	-7,862.59	3,178.99	339.23	53.18	286.05	1.186 Level 2	
18,500.00	7,730.00	18,267.78	7,618.00	160.75	159.54	70.54	-7,962.59	3,178.65	339.24	49.91	289.33	1.173 Level 2	
18,600.00	7,730.00	18,367.78	7,618.00	162.40	161.20	70.54	-8,062.59	3,178.31	339.24	46.63	292.60	1.159 Level 2	
18,700.00	7,730.00	18,467.78	7,618.00	164.05	162.87	70.54	-8,162.59	3,177.97	339.24	43.35	295.88	1.147 Level 2	
18,800.00	7,730.00	18,567.78	7,618.00	165.71	164.54	70.54	-8,262.58	3,177.63	339.24	40.07	299.17	1.134 Level 2	
18,900.00	7,730.00	18,667.78	7,618.00	167.36	166.21	70.54	-8,362.58	3,177.29	339.24	36.79	302.45	1.122 Level 2	
18,942.39	7,730.00	18,710.17	7,618.00	168.07	166.92	70.54	-8,404.97	3,177.15	339.24	35.40	303.84	1.117 Level 2, SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1H-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	92.07	-0.36	10.08	10.09					
100.00	100.00	100.00	100.00	0.13	0.13	92.07	-0.36	10.08	10.09	9.82	0.27	37.517		
200.00	200.00	200.00	200.00	0.49	0.49	92.07	-0.36	10.08	10.09	9.10	0.99	10.232		
300.00	300.00	300.00	300.00	0.85	0.85	92.07	-0.36	10.08	10.09	8.38	1.70	5.924		
400.00	400.00	400.00	400.00	1.21	1.21	92.07	-0.36	10.08	10.09	7.67	2.42	4.169		
500.00	500.00	500.00	500.00	1.57	1.57	92.07	-0.36	10.08	10.09	6.95	3.14	3.216		
600.00	600.00	600.00	600.00	1.93	1.93	92.07	-0.36	10.08	10.09	6.23	3.85	2.617		
700.00	700.00	700.00	700.00	2.29	2.29	92.07	-0.36	10.08	10.09	5.52	4.57	2.207 CC, ES		
800.00	800.00	799.66	799.64	2.64	2.64	87.75	0.46	11.61	11.62	6.34	5.28	2.201		
900.00	899.98	899.17	899.01	3.00	2.99	22.52	2.91	16.18	14.84	8.87	5.98	2.483		
1,000.00	999.84	998.57	998.03	3.35	3.35	19.33	6.98	23.78	18.18	11.52	6.67	2.728		
1,100.00	1,099.45	1,097.85	1,096.57	3.71	3.72	17.48	12.68	34.38	21.57	14.22	7.35	2.935		
1,200.00	1,198.70	1,197.01	1,194.52	4.08	4.10	16.44	19.97	47.98	24.99	16.96	8.03	3.112		
1,300.00	1,297.47	1,296.06	1,291.76	4.47	4.51	15.92	28.85	64.52	28.42	19.70	8.71	3.262		
1,400.00	1,395.62	1,394.99	1,388.19	4.87	4.94	15.75	39.30	84.00	31.84	22.45	9.39	3.391		
1,500.00	1,493.06	1,493.80	1,483.68	5.31	5.41	15.83	51.30	106.37	35.26	25.19	10.07	3.500		
1,600.00	1,589.64	1,592.51	1,578.14	5.77	5.92	16.09	64.83	131.60	38.67	27.91	10.76	3.593		
1,700.00	1,685.27	1,691.10	1,671.45	6.28	6.46	16.48	79.88	159.65	42.08	30.61	11.46	3.671		
1,800.00	1,779.82	1,789.59	1,763.51	6.83	7.06	16.99	96.42	190.48	45.46	33.29	12.18	3.734		
1,900.00	1,873.17	1,887.97	1,854.21	7.43	7.71	17.57	114.43	224.04	48.84	35.93	12.91	3.784		
2,000.00	1,965.21	1,986.24	1,943.46	8.08	8.41	18.22	133.87	260.28	52.20	38.53	13.67	3.820		
2,100.00	2,055.84	2,084.41	2,031.16	8.79	9.18	18.93	154.73	299.16	55.54	41.09	14.46	3.842		
2,200.00	2,144.94	2,182.49	2,117.20	9.56	10.00	19.68	176.97	340.61	58.87	43.59	15.28	3.852		
2,300.00	2,232.39	2,280.46	2,201.50	10.39	10.89	20.46	200.57	384.60	62.18	46.02	16.16	3.848		
2,400.00	2,318.11	2,378.34	2,283.97	11.30	11.84	21.28	225.49	431.05	65.48	48.39	17.09	3.831		
2,504.60	2,405.78	2,480.62	2,368.17	12.31	12.91	22.16	252.94	482.21	68.91	50.77	18.14	3.799		
2,600.00	2,484.79	2,575.21	2,444.54	13.28	13.95	22.73	279.32	531.37	72.86	53.63	19.23	3.789		
2,700.00	2,567.60	2,675.11	2,525.11	14.32	15.07	23.21	307.25	583.44	77.18	56.72	20.46	3.772		
2,800.00	2,650.41	2,775.02	2,605.67	15.37	16.21	23.64	335.18	635.50	81.52	59.79	21.73	3.752		
2,900.00	2,733.23	2,874.92	2,686.23	16.44	17.36	24.03	363.11	687.56	85.85	62.83	23.02	3.730		
3,000.00	2,816.04	2,974.83	2,766.79	17.52	18.52	24.38	391.04	739.62	90.19	65.86	24.33	3.707		
3,100.00	2,898.85	3,074.73	2,847.36	18.60	19.69	24.69	418.97	791.68	94.53	68.88	25.66	3.684		
3,200.00	2,981.67	3,174.63	2,927.92	19.69	20.87	24.98	446.91	843.74	98.88	71.88	27.00	3.662		
3,300.00	3,064.48	3,274.54	3,008.48	20.79	22.06	25.25	474.84	895.81	103.23	74.86	28.36	3.639		
3,400.00	3,147.30	3,374.44	3,089.04	21.90	23.24	25.49	502.77	947.87	107.58	77.84	29.74	3.618		
3,500.00	3,230.11	3,474.35	3,169.61	23.00	24.44	25.72	530.70	999.93	111.93	80.81	31.12	3.597		
3,600.00	3,312.92	3,574.25	3,250.17	24.12	25.63	25.93	558.63	1,051.99	116.28	83.77	32.52	3.576		
3,700.00	3,395.74	3,674.16	3,330.73	25.23	26.83	26.12	586.56	1,104.05	120.64	86.72	33.92	3.557		
3,800.00	3,478.55	3,774.06	3,411.29	26.35	28.04	26.30	614.50	1,156.11	124.99	89.66	35.33	3.538		
3,900.00	3,561.36	3,873.96	3,491.85	27.47	29.24	26.47	642.43	1,208.17	129.35	92.60	36.75	3.520		
4,000.00	3,644.18	3,973.87	3,572.42	28.59	30.45	26.63	670.36	1,260.24	133.71	95.54	38.17	3.503		
4,100.00	3,726.99	4,073.77	3,652.98	29.72	31.66	26.77	698.29	1,312.30	138.07	98.47	39.60	3.487		
4,200.00	3,809.81	4,173.68	3,733.54	30.85	32.87	26.91	726.22	1,364.36	142.43	101.39	41.04	3.471		
4,300.00	3,892.62	4,273.58	3,814.10	31.98	34.08	27.04	754.15	1,416.42	146.79	104.31	42.48	3.456		
4,400.00	3,975.43	4,373.49	3,894.67	33.11	35.29	27.16	782.09	1,468.48	151.15	107.23	43.92	3.442		
4,500.00	4,058.25	4,473.39	3,975.23	34.24	36.51	27.28	810.02	1,520.54	155.51	110.14	45.37	3.428		
4,600.00	4,141.06	4,573.30	4,055.79	35.37	37.72	27.39	837.95	1,572.61	159.87	113.05	46.82	3.415		
4,700.00	4,223.87	4,673.20	4,136.35	36.50	38.94	27.49	865.88	1,624.67	164.24	115.96	48.27	3.402		
4,800.00	4,306.69	4,773.10	4,216.92	37.64	40.16	27.59	893.81	1,676.73	168.60	118.87	49.73	3.390		
4,900.00	4,389.50	4,873.01	4,297.48	38.77	41.38	27.68	921.74	1,728.79	172.96	121.77	51.19	3.379		
5,000.00	4,472.32	4,972.91	4,378.04	39.91	42.60	27.77	949.68	1,780.85	177.33	124.67	52.65	3.368		
5,100.00	4,555.13	5,072.82	4,458.60	41.05	43.82	27.85	977.61	1,832.91	181.69	127.57	54.12	3.357		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1H-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	5,172.72	4,539.16	42.18	45.04	27.93	1,005.54	1,884.98	186.06	130.47	55.59	3.347		
5,300.00	4,720.76	5,272.63	4,619.73	43.32	46.26	28.01	1,033.47	1,937.04	190.42	133.37	57.06	3.337		
5,400.00	4,803.57	5,372.53	4,700.29	44.46	47.48	28.08	1,061.40	1,989.10	194.79	136.26	58.53	3.328		
5,500.00	4,886.39	5,472.43	4,780.85	45.60	48.70	28.15	1,089.33	2,041.16	199.16	139.15	60.00	3.319		
5,600.00	4,969.20	5,572.34	4,861.41	46.74	49.93	28.22	1,117.27	2,093.22	203.52	142.05	61.48	3.310		
5,700.00	5,052.01	5,672.24	4,941.98	47.88	51.15	28.28	1,145.20	2,145.28	207.89	144.94	62.96	3.302		
5,800.00	5,134.83	5,772.15	5,022.54	49.02	52.37	28.34	1,173.13	2,197.35	212.26	147.82	64.43	3.294		
5,900.00	5,217.64	5,872.05	5,103.10	50.16	53.60	28.40	1,201.06	2,249.41	216.63	150.71	65.91	3.287		
6,000.00	5,300.45	5,971.96	5,183.66	51.30	54.82	28.46	1,228.99	2,301.47	220.99	153.60	67.39	3.279		
6,100.00	5,383.27	6,071.86	5,264.23	52.45	56.05	28.51	1,256.92	2,353.53	225.36	156.48	68.88	3.272		
6,200.00	5,466.08	6,171.76	5,344.79	53.59	57.27	28.57	1,284.86	2,405.59	229.73	159.37	70.36	3.265		
6,300.00	5,548.90	6,271.67	5,425.35	54.73	58.50	28.62	1,312.79	2,457.65	234.10	162.25	71.84	3.258		
6,400.00	5,631.71	6,371.57	5,505.91	55.87	59.72	28.67	1,340.72	2,509.72	238.46	165.14	73.33	3.252		
6,500.00	5,714.52	6,471.48	5,586.47	57.02	60.95	28.71	1,368.65	2,561.78	242.83	168.02	74.81	3.246		
6,600.00	5,797.34	6,571.38	5,667.04	58.16	62.17	28.76	1,396.58	2,613.84	247.20	170.90	76.30	3.240		
6,700.00	5,880.15	6,671.29	5,747.60	59.30	63.40	28.80	1,424.51	2,665.90	251.57	173.78	77.79	3.234		
6,800.00	5,962.96	6,771.19	5,828.16	60.45	64.63	28.84	1,452.45	2,717.96	255.94	176.66	79.28	3.228		
6,900.00	6,045.78	6,871.10	5,908.72	61.59	65.85	28.88	1,480.38	2,770.02	260.31	179.54	80.77	3.223		
7,000.00	6,128.59	6,971.00	5,989.29	62.73	67.08	28.92	1,508.31	2,822.09	264.68	182.42	82.26	3.218		
7,100.00	6,211.41	7,070.90	6,069.85	63.88	68.31	28.96	1,536.24	2,874.15	269.05	185.30	83.75	3.213		
7,200.00	6,294.22	7,170.81	6,150.41	65.02	69.53	29.00	1,564.17	2,926.21	273.42	188.18	85.24	3.208		
7,300.00	6,377.03	7,270.71	6,230.97	66.17	70.76	29.03	1,592.10	2,978.27	277.79	191.06	86.73	3.203		
7,400.00	6,459.85	7,370.62	6,311.54	67.31	71.99	29.07	1,620.04	3,030.33	282.16	193.93	88.22	3.198		
7,500.00	6,542.66	7,470.52	6,392.10	68.46	73.22	29.10	1,647.97	3,082.39	286.53	196.81	89.72	3.194		
7,600.00	6,625.48	7,570.43	6,472.66	69.60	74.44	29.13	1,675.90	3,134.46	290.90	199.68	91.21	3.189		
7,700.00	6,708.29	7,670.33	6,553.22	70.75	75.67	29.17	1,703.83	3,186.52	295.27	202.56	92.70	3.185		
7,800.00	6,791.10	7,770.23	6,633.78	71.89	76.90	29.20	1,731.76	3,238.58	299.64	205.44	94.20	3.181		
7,900.00	6,873.92	7,870.14	6,714.35	73.04	78.13	29.23	1,759.69	3,290.64	304.01	208.31	95.69	3.177		
8,000.00	6,956.73	7,970.04	6,794.91	74.18	79.36	29.26	1,787.63	3,342.70	308.38	211.19	97.19	3.173		
8,100.00	7,039.54	8,069.95	6,875.47	75.33	80.59	29.28	1,815.56	3,394.76	312.75	214.06	98.69	3.169		
8,165.32	7,093.63	8,135.20	6,928.09	76.08	81.39	29.30	1,833.80	3,428.77	315.60	215.94	99.66	3.167		
8,200.00	7,122.60	8,169.83	6,956.02	76.47	81.81	24.45	1,843.48	3,446.82	317.06	217.15	99.91	3.173		
8,250.00	7,165.05	8,219.52	6,996.09	77.01	82.42	16.07	1,857.38	3,472.71	319.00	219.68	99.32	3.212		
8,300.00	7,208.03	8,268.24	7,035.53	77.52	83.02	6.45	1,870.35	3,498.19	320.94	223.15	97.79	3.282		
8,350.00	7,251.22	8,317.13	7,075.82	77.99	83.59	-3.48	1,879.70	3,524.22	323.14	227.00	96.14	3.361		
8,400.00	7,294.28	8,366.79	7,117.29	78.41	84.15	-13.24	1,884.97	3,550.99	325.58	231.05	94.54	3.444		
8,450.00	7,336.90	8,417.27	7,159.69	78.78	84.68	-22.42	1,885.93	3,578.34	328.26	235.20	93.06	3.527		
8,500.00	7,378.73	8,468.61	7,202.72	79.10	85.17	-30.76	1,882.35	3,606.09	331.14	239.39	91.75	3.609		
8,550.00	7,419.47	8,520.85	7,246.05	79.37	85.62	-38.14	1,874.02	3,634.01	334.18	243.53	90.65	3.686		
8,600.00	7,458.81	8,574.00	7,289.31	79.59	86.02	-44.57	1,860.77	3,661.87	337.34	247.57	89.77	3.758		
8,650.00	7,496.44	8,628.09	7,332.09	79.76	86.37	-50.10	1,842.44	3,689.40	340.57	251.47	89.10	3.822		
8,700.00	7,532.08	8,683.13	7,373.93	79.88	86.66	-54.84	1,818.96	3,716.32	343.81	255.18	88.64	3.879		
8,750.00	7,565.46	8,739.11	7,414.36	79.95	86.89	-58.88	1,790.29	3,742.30	347.01	258.65	88.36	3.927		
8,800.00	7,596.33	8,796.01	7,452.85	79.98	87.06	-62.31	1,756.49	3,767.01	350.09	261.84	88.26	3.967		
8,850.00	7,624.44	8,853.78	7,488.86	79.97	87.17	-65.21	1,717.70	3,790.11	353.01	264.68	88.33	3.996		
8,900.00	7,649.59	8,912.38	7,521.86	79.93	87.21	-67.63	1,674.16	3,811.25	355.69	267.09	88.60	4.015		
8,950.00	7,671.59	8,971.73	7,551.29	79.84	87.19	-69.61	1,626.22	3,830.08	358.07	268.99	89.08	4.020		
9,000.00	7,690.26	9,031.74	7,576.66	79.73	87.13	-71.20	1,574.34	3,846.27	360.11	270.32	89.79	4.010		
9,050.00	7,705.47	9,092.28	7,597.51	79.59	87.02	-72.43	1,519.10	3,859.53	361.75	270.99	90.76	3.986		
9,100.00	7,717.09	9,153.23	7,613.43	79.43	86.87	-73.30	1,461.16	3,869.60	362.97	270.98	91.99	3.946		
9,150.00	7,725.04	9,214.45	7,624.13	79.26	86.67	-73.84	1,401.29	3,876.31	363.73	270.27	93.46	3.892		
9,200.00	7,729.27	9,275.78	7,629.42	79.06	86.46	-74.06	1,340.30	3,879.51	364.01	268.90	95.11	3.827		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1H-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	9,313.97	7,629.93	78.93	86.31	-74.04	1,302.12	3,879.71	363.94	267.75	96.19	3.784		
9,233.97	7,730.00	9,314.96	7,630.00	78.92	86.31	-74.05	1,301.13	3,879.75	363.97	268.14	95.83	3.798		
9,300.00	7,730.00	9,380.99	7,630.00	78.65	86.06	-74.05	1,235.10	3,879.53	363.97	268.61	95.36	3.817		
9,400.00	7,730.00	9,480.99	7,630.00	78.26	85.69	-74.05	1,135.10	3,879.20	363.97	269.22	94.75	3.842		
9,500.00	7,730.00	9,580.99	7,630.00	77.89	85.34	-74.05	1,035.10	3,878.86	363.97	269.71	94.25	3.862		
9,600.00	7,730.00	9,680.99	7,630.00	77.53	85.01	-74.05	935.10	3,878.52	363.97	270.09	93.89	3.877		
9,700.00	7,730.00	9,780.99	7,630.00	77.19	84.69	-74.05	835.10	3,878.19	363.97	270.33	93.64	3.887		
9,800.00	7,730.00	9,880.99	7,630.00	76.88	84.39	-74.05	735.10	3,877.85	363.97	270.45	93.52	3.892		
9,900.00	7,730.00	9,980.99	7,630.00	76.58	84.11	-74.05	635.10	3,877.52	363.98	270.45	93.53	3.892		
10,000.00	7,730.00	10,080.99	7,630.00	76.30	83.85	-74.05	535.10	3,877.18	363.98	270.32	93.66	3.886		
10,100.00	7,730.00	10,180.99	7,630.00	76.04	83.60	-74.05	435.10	3,876.84	363.98	270.06	93.92	3.876		
10,200.00	7,730.00	10,280.99	7,630.00	75.79	83.37	-74.05	335.11	3,876.51	363.98	269.69	94.30	3.860		
10,300.00	7,730.00	10,380.99	7,630.00	75.57	83.15	-74.05	235.11	3,876.17	363.98	269.18	94.80	3.840		
10,400.00	7,730.00	10,480.99	7,630.00	75.36	82.96	-74.05	135.11	3,875.84	363.98	268.56	95.42	3.814		
10,500.00	7,730.00	10,580.99	7,630.00	75.18	82.78	-74.05	35.11	3,875.50	363.99	267.82	96.16	3.785		
10,600.00	7,730.00	10,680.99	7,630.00	75.01	82.62	-74.05	-64.89	3,875.16	363.99	266.97	97.02	3.752		
10,700.00	7,730.00	10,780.99	7,630.00	74.86	82.47	-74.05	-164.89	3,874.83	363.99	266.00	97.99	3.715		
10,800.00	7,730.00	10,880.99	7,630.00	74.74	82.35	-74.05	-264.89	3,874.49	363.99	264.92	99.07	3.674		
10,900.00	7,730.00	10,980.99	7,630.00	74.64	82.24	-74.05	-364.89	3,874.16	363.99	263.74	100.25	3.631		
11,000.00	7,730.00	11,080.99	7,630.00	74.56	82.16	-74.05	-464.89	3,873.82	363.99	262.46	101.54	3.585		
11,100.00	7,730.00	11,180.99	7,630.00	74.51	82.09	-74.05	-564.89	3,873.48	364.00	261.08	102.92	3.537		
11,200.00	7,730.00	11,280.99	7,630.00	74.48	82.05	-74.05	-664.89	3,873.15	364.00	259.60	104.40	3.487		
11,300.00	7,730.00	11,380.99	7,630.00	74.48	82.03	-74.05	-764.89	3,872.81	364.00	258.03	105.96	3.435		
11,400.00	7,730.00	11,480.99	7,630.00	74.50	82.03	-74.05	-864.89	3,872.48	364.00	256.38	107.62	3.382		
11,500.00	7,730.00	11,580.99	7,630.00	74.56	82.05	-74.05	-964.89	3,872.14	364.00	254.65	109.36	3.329		
11,600.00	7,730.00	11,680.99	7,630.00	74.66	82.11	-74.05	-1,064.89	3,871.80	364.00	252.83	111.17	3.274		
11,700.00	7,730.00	11,780.99	7,630.00	74.79	82.19	-74.05	-1,164.89	3,871.47	364.00	250.94	113.06	3.220		
11,800.00	7,730.00	11,880.99	7,630.00	74.96	82.30	-74.05	-1,264.89	3,871.13	364.01	248.98	115.02	3.165		
11,900.00	7,730.00	11,980.99	7,630.00	75.17	82.45	-74.05	-1,364.89	3,870.80	364.01	246.96	117.05	3.110		
12,000.00	7,730.00	12,080.99	7,630.00	75.43	82.63	-74.05	-1,464.88	3,870.46	364.01	244.87	119.14	3.055		
12,100.00	7,730.00	12,180.99	7,630.00	75.73	82.84	-74.05	-1,564.88	3,870.12	364.01	242.72	121.30	3.001		
12,200.00	7,730.00	12,280.99	7,630.00	76.09	83.09	-74.05	-1,664.88	3,869.79	364.01	240.51	123.51	2.947		
12,300.00	7,730.00	12,380.99	7,630.00	76.51	83.38	-74.05	-1,764.88	3,869.45	364.01	238.24	125.77	2.894		
12,400.00	7,730.00	12,480.99	7,630.00	76.97	83.72	-74.06	-1,864.88	3,869.12	364.02	235.93	128.09	2.842		
12,500.00	7,730.00	12,580.99	7,630.00	77.50	84.10	-74.06	-1,964.88	3,868.78	364.02	233.56	130.45	2.790		
12,600.00	7,730.00	12,680.99	7,630.00	78.09	84.53	-74.06	-2,064.88	3,868.44	364.02	231.15	132.87	2.740		
12,700.00	7,730.00	12,780.99	7,630.00	78.74	85.00	-74.06	-2,164.88	3,868.11	364.02	228.70	135.32	2.690		
12,800.00	7,730.00	12,880.99	7,630.00	79.45	85.53	-74.06	-2,264.88	3,867.77	364.02	226.20	137.82	2.641		
12,900.00	7,730.00	12,980.99	7,630.00	80.22	86.11	-74.06	-2,364.88	3,867.44	364.02	223.67	140.35	2.594		
13,000.00	7,730.00	13,080.99	7,630.00	81.05	86.74	-74.06	-2,464.88	3,867.10	364.03	221.10	142.93	2.547		
13,100.00	7,730.00	13,180.99	7,630.00	81.94	87.42	-74.06	-2,564.88	3,866.76	364.03	218.49	145.54	2.501		
13,200.00	7,730.00	13,280.99	7,630.00	82.87	88.15	-74.06	-2,664.88	3,866.43	364.03	215.85	148.18	2.457		
13,300.00	7,730.00	13,380.99	7,630.00	83.86	88.94	-74.06	-2,764.88	3,866.09	364.03	213.18	150.85	2.413		
13,400.00	7,730.00	13,480.99	7,630.00	84.90	89.78	-74.06	-2,864.88	3,865.76	364.03	210.48	153.56	2.371		
13,500.00	7,730.00	13,580.99	7,630.00	85.97	90.66	-74.06	-2,964.88	3,865.42	364.03	207.75	156.29	2.329		
13,600.00	7,730.00	13,680.99	7,630.00	87.09	91.60	-74.06	-3,064.88	3,865.08	364.03	204.99	159.05	2.289		
13,700.00	7,730.00	13,780.99	7,630.00	88.25	92.58	-74.06	-3,164.87	3,864.75	364.04	202.21	161.83	2.250		
13,800.00	7,730.00	13,880.99	7,630.00	89.44	93.60	-74.06	-3,264.87	3,864.41	364.04	199.40	164.64	2.211		
13,900.00	7,730.00	13,980.99	7,630.00	90.66	94.66	-74.06	-3,364.87	3,864.08	364.04	196.57	167.47	2.174		
14,000.00	7,730.00	14,080.99	7,630.00	91.92	95.75	-74.06	-3,464.87	3,863.74	364.04	193.72	170.32	2.137		
14,100.00	7,730.00	14,180.99	7,630.00	93.20	96.89	-74.06	-3,564.87	3,863.40	364.04	190.85	173.20	2.102		
14,200.00	7,730.00	14,280.99	7,630.00	94.50	98.06	-74.06	-3,664.87	3,863.07	364.04	187.95	176.09	2.067		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1H-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	14,380.99	7,630.00	95.83	99.25	-74.06	-3,764.87	3,862.73	364.05	185.04	179.00	2.034		
14,400.00	7,730.00	14,480.99	7,630.00	97.17	100.48	-74.06	-3,864.87	3,862.40	364.05	182.11	181.93	2.001		
14,500.00	7,730.00	14,580.99	7,630.00	98.54	101.73	-74.06	-3,964.87	3,862.06	364.05	179.17	184.88	1.969		
14,600.00	7,730.00	14,680.99	7,630.00	99.92	103.01	-74.06	-4,064.87	3,861.72	364.05	176.21	187.85	1.938		
14,700.00	7,730.00	14,780.99	7,630.00	101.32	104.31	-74.06	-4,164.87	3,861.39	364.05	173.23	190.82	1.908		
14,800.00	7,730.00	14,880.99	7,630.00	102.74	105.64	-74.06	-4,264.87	3,861.05	364.05	170.24	193.82	1.878		
14,900.00	7,730.00	14,980.99	7,630.00	104.17	106.98	-74.06	-4,364.87	3,860.72	364.06	167.23	196.83	1.850		
15,000.00	7,730.00	15,080.99	7,630.00	105.62	108.34	-74.06	-4,464.87	3,860.38	364.06	164.21	199.85	1.822		
15,100.00	7,730.00	15,180.99	7,630.00	107.07	109.72	-74.06	-4,564.87	3,860.04	364.06	161.18	202.88	1.794		
15,200.00	7,730.00	15,280.99	7,630.00	108.54	111.11	-74.06	-4,664.87	3,859.71	364.06	158.13	205.93	1.768		
15,300.00	7,730.00	15,380.99	7,630.00	110.02	112.52	-74.06	-4,764.87	3,859.37	364.06	155.07	208.99	1.742		
15,400.00	7,730.00	15,480.99	7,630.00	111.51	113.95	-74.06	-4,864.87	3,859.04	364.06	152.00	212.06	1.717		
15,500.00	7,730.00	15,580.99	7,630.00	113.01	115.38	-74.06	-4,964.86	3,858.70	364.06	148.93	215.14	1.692		
15,600.00	7,730.00	15,680.99	7,630.00	114.52	116.83	-74.06	-5,064.86	3,858.36	364.07	145.84	218.23	1.668		
15,700.00	7,730.00	15,780.99	7,630.00	116.04	118.29	-74.06	-5,164.86	3,858.03	364.07	142.74	221.33	1.645		
15,800.00	7,730.00	15,880.99	7,630.00	117.56	119.77	-74.06	-5,264.86	3,857.69	364.07	139.63	224.44	1.622		
15,900.00	7,730.00	15,980.99	7,630.00	119.09	121.25	-74.06	-5,364.86	3,857.36	364.07	136.51	227.56	1.600		
16,000.00	7,730.00	16,080.99	7,630.00	120.63	122.74	-74.06	-5,464.86	3,857.02	364.07	133.38	230.69	1.578		
16,100.00	7,730.00	16,180.99	7,630.00	122.18	124.24	-74.06	-5,564.86	3,856.68	364.07	130.25	233.82	1.557		
16,200.00	7,730.00	16,280.99	7,630.00	123.73	125.75	-74.06	-5,664.86	3,856.35	364.08	127.11	236.97	1.536		
16,300.00	7,730.00	16,380.99	7,630.00	125.29	127.27	-74.06	-5,764.86	3,856.01	364.08	123.96	240.12	1.516		
16,400.00	7,730.00	16,480.99	7,630.00	126.86	128.80	-74.06	-5,864.86	3,855.68	364.08	120.80	243.28	1.497 Level 3		
16,500.00	7,730.00	16,580.99	7,630.00	128.43	130.33	-74.06	-5,964.86	3,855.34	364.08	117.63	246.45	1.477 Level 3		
16,600.00	7,730.00	16,680.99	7,630.00	130.01	131.87	-74.06	-6,064.86	3,855.00	364.08	114.46	249.62	1.459 Level 3		
16,700.00	7,730.00	16,780.99	7,630.00	131.59	133.42	-74.06	-6,164.86	3,854.67	364.08	111.28	252.80	1.440 Level 3		
16,800.00	7,730.00	16,880.99	7,630.00	133.18	134.97	-74.06	-6,264.86	3,854.33	364.09	108.10	255.99	1.422 Level 3		
16,900.00	7,730.00	16,980.99	7,630.00	134.77	136.53	-74.06	-6,364.86	3,854.00	364.09	104.91	259.18	1.405 Level 3		
17,000.00	7,730.00	17,080.99	7,630.00	136.37	138.10	-74.06	-6,464.86	3,853.66	364.09	101.71	262.38	1.388 Level 3		
17,100.00	7,730.00	17,180.99	7,630.00	137.97	139.67	-74.06	-6,564.86	3,853.32	364.09	98.51	265.58	1.371 Level 3		
17,200.00	7,730.00	17,280.99	7,630.00	139.57	141.24	-74.06	-6,664.86	3,852.99	364.09	95.30	268.79	1.355 Level 3		
17,300.00	7,730.00	17,380.99	7,630.00	141.18	142.82	-74.06	-6,764.85	3,852.65	364.09	92.08	272.01	1.339 Level 3		
17,400.00	7,730.00	17,480.99	7,630.00	142.79	144.41	-74.06	-6,864.85	3,852.32	364.09	88.87	275.23	1.323 Level 3		
17,500.00	7,730.00	17,580.99	7,630.00	144.41	146.00	-74.06	-6,964.85	3,851.98	364.10	85.64	278.45	1.308 Level 3		
17,600.00	7,730.00	17,680.99	7,630.00	146.03	147.59	-74.06	-7,064.85	3,851.64	364.10	82.41	281.68	1.293 Level 3		
17,700.00	7,730.00	17,780.99	7,630.00	147.65	149.19	-74.06	-7,164.85	3,851.31	364.10	79.18	284.92	1.278 Level 3		
17,800.00	7,730.00	17,880.99	7,630.00	149.28	150.80	-74.06	-7,264.85	3,850.97	364.10	75.94	288.16	1.264 Level 3		
17,900.00	7,730.00	17,980.99	7,630.00	150.91	152.40	-74.06	-7,364.85	3,850.64	364.10	72.70	291.40	1.249 Level 2		
18,000.00	7,730.00	18,080.99	7,630.00	152.54	154.02	-74.06	-7,464.85	3,850.30	364.10	69.46	294.65	1.236 Level 2		
18,100.00	7,730.00	18,180.99	7,630.00	154.18	155.63	-74.06	-7,564.85	3,849.96	364.11	66.21	297.90	1.222 Level 2		
18,200.00	7,730.00	18,280.99	7,630.00	155.82	157.25	-74.06	-7,664.85	3,849.63	364.11	62.95	301.15	1.209 Level 2		
18,300.00	7,730.00	18,380.99	7,630.00	157.46	158.87	-74.06	-7,764.85	3,849.29	364.11	59.70	304.41	1.196 Level 2		
18,400.00	7,730.00	18,480.99	7,630.00	159.11	160.49	-74.06	-7,864.85	3,848.96	364.11	56.43	307.68	1.183 Level 2		
18,500.00	7,730.00	18,580.99	7,630.00	160.75	162.12	-74.06	-7,964.85	3,848.62	364.11	53.17	310.94	1.171 Level 2		
18,600.00	7,730.00	18,680.99	7,630.00	162.40	163.75	-74.06	-8,064.85	3,848.28	364.11	49.90	314.21	1.159 Level 2		
18,700.00	7,730.00	18,780.99	7,630.00	164.05	165.39	-74.06	-8,164.85	3,847.95	364.12	46.63	317.48	1.147 Level 2		
18,800.00	7,730.00	18,880.99	7,630.00	165.71	167.02	-74.06	-8,264.85	3,847.61	364.12	43.36	320.76	1.135 Level 2		
18,900.00	7,730.00	18,980.99	7,630.00	167.36	168.66	-74.06	-8,364.85	3,847.28	364.12	40.08	324.04	1.124 Level 2		
18,942.39	7,730.00	19,023.38	7,630.00	168.07	169.36	-74.06	-8,407.24	3,847.13	364.12	38.69	325.43	1.119 Level 2, SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1G-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	91.05	-0.36	19.88	19.88					
100.00	100.00	100.00	100.00	0.13	0.13	91.05	-0.36	19.88	19.88	19.61	0.27	73.957		
200.00	200.00	200.00	200.00	0.49	0.49	91.05	-0.36	19.88	19.88	18.90	0.99	20.170		
300.00	300.00	300.00	300.00	0.85	0.85	91.05	-0.36	19.88	19.88	18.18	1.70	11.677		
400.00	400.00	400.00	400.00	1.21	1.21	91.05	-0.36	19.88	19.88	17.46	2.42	8.217		
500.00	500.00	500.00	500.00	1.57	1.57	91.05	-0.36	19.88	19.88	16.75	3.14	6.339		
600.00	600.00	600.00	600.00	1.93	1.93	91.05	-0.36	19.88	19.88	16.03	3.85	5.160 CC, ES		
700.00	700.00	699.35	699.33	2.29	2.28	88.94	0.40	21.43	21.44	16.88	4.56	4.699		
800.00	800.00	798.46	798.30	2.64	2.63	84.15	2.67	26.05	26.24	20.97	5.27	4.983		
900.00	899.98	897.25	896.72	3.00	2.99	20.58	6.43	33.71	32.84	26.88	5.96	5.512		
1,000.00	999.84	995.81	994.55	3.35	3.36	18.30	11.68	44.38	39.57	32.93	6.64	5.960		
1,100.00	1,099.45	1,094.14	1,091.69	3.71	3.74	16.99	18.39	58.03	46.36	39.04	7.32	6.335		
1,200.00	1,198.70	1,192.24	1,188.03	4.08	4.15	16.29	26.55	74.62	53.17	45.17	7.99	6.651		
1,300.00	1,297.47	1,290.12	1,283.46	4.47	4.58	15.99	36.13	94.12	59.97	51.30	8.67	6.918		
1,400.00	1,395.62	1,387.77	1,377.88	4.87	5.05	15.97	47.12	116.47	66.76	57.42	9.34	7.144		
1,500.00	1,493.06	1,485.21	1,471.19	5.31	5.56	16.14	59.50	141.64	73.53	63.50	10.03	7.334		
1,600.00	1,589.64	1,582.43	1,563.29	5.77	6.10	16.46	73.23	169.58	80.26	69.55	10.71	7.492		
1,700.00	1,685.27	1,679.44	1,654.08	6.28	6.70	16.89	88.30	200.23	86.97	75.56	11.41	7.621		
1,800.00	1,779.82	1,776.24	1,743.47	6.83	7.34	17.41	104.68	233.56	93.64	81.51	12.12	7.723		
1,900.00	1,873.17	1,872.84	1,831.38	7.43	8.04	18.00	122.35	269.49	100.27	87.41	12.86	7.798		
2,000.00	1,965.21	1,969.24	1,917.70	8.08	8.80	18.64	141.28	307.98	106.86	93.24	13.62	7.847		
2,100.00	2,055.84	2,065.45	2,002.37	8.79	9.61	19.32	161.43	348.97	113.41	99.00	14.41	7.870		
2,200.00	2,144.94	2,161.46	2,085.29	9.56	10.49	20.05	182.78	392.41	119.92	104.68	15.24	7.868		
2,300.00	2,232.39	2,257.30	2,166.39	10.39	11.42	20.80	205.30	438.22	126.39	110.27	16.12	7.840		
2,400.00	2,318.11	2,352.95	2,245.59	11.30	12.42	21.58	228.96	486.34	132.81	115.75	17.05	7.787		
2,504.60	2,405.78	2,453.89	2,327.24	12.31	13.54	22.44	255.14	539.59	139.38	121.24	18.15	7.680		
2,600.00	2,484.79	2,549.11	2,403.69	13.28	14.63	23.37	280.18	590.53	144.73	125.37	19.36	7.476		
2,700.00	2,567.60	2,648.92	2,483.84	14.32	15.79	24.27	306.43	643.92	150.37	129.70	20.67	7.273		
2,800.00	2,650.41	2,748.74	2,563.98	15.37	16.96	25.11	332.68	697.32	156.05	134.02	22.03	7.082		
2,900.00	2,733.23	2,848.55	2,644.12	16.44	18.15	25.88	358.93	750.71	161.76	138.32	23.43	6.903		
3,000.00	2,816.04	2,948.36	2,724.27	17.52	19.34	26.61	385.18	804.10	167.49	142.62	24.87	6.735		
3,100.00	2,898.85	3,048.18	2,804.41	18.60	20.54	27.28	411.43	857.50	173.25	146.92	26.33	6.579		
3,200.00	2,981.67	3,147.99	2,884.55	19.69	21.74	27.91	437.68	910.89	179.03	151.21	27.83	6.434		
3,300.00	3,064.48	3,247.80	2,964.70	20.79	22.95	28.51	463.93	964.28	184.84	155.49	29.35	6.299		
3,400.00	3,147.30	3,347.62	3,044.84	21.90	24.17	29.06	490.18	1,017.68	190.66	159.77	30.89	6.172		
3,500.00	3,230.11	3,447.43	3,124.98	23.00	25.38	29.59	516.43	1,071.07	196.49	164.04	32.45	6.055		
3,600.00	3,312.92	3,547.25	3,205.12	24.12	26.61	30.08	542.68	1,124.46	202.35	168.31	34.03	5.946		
3,700.00	3,395.74	3,647.06	3,285.27	25.23	27.83	30.54	568.93	1,177.86	208.21	172.58	35.63	5.844		
3,800.00	3,478.55	3,746.87	3,365.41	26.35	29.06	30.98	595.18	1,231.25	214.09	176.85	37.25	5.748		
3,900.00	3,561.36	3,846.69	3,445.55	27.47	30.28	31.40	621.43	1,284.64	219.99	181.11	38.87	5.659		
4,000.00	3,644.18	3,946.50	3,525.70	28.59	31.51	31.80	647.68	1,338.04	225.89	185.37	40.52	5.575		
4,100.00	3,726.99	4,046.32	3,605.84	29.72	32.74	32.17	673.93	1,391.43	231.80	189.63	42.17	5.497		
4,200.00	3,809.81	4,146.13	3,685.98	30.85	33.98	32.53	700.18	1,444.82	237.73	193.89	43.83	5.424		
4,300.00	3,892.62	4,245.94	3,766.13	31.98	35.21	32.86	726.43	1,498.22	243.66	198.15	45.51	5.354		
4,400.00	3,975.43	4,345.76	3,846.27	33.11	36.45	33.19	752.68	1,551.61	249.60	202.41	47.19	5.289		
4,500.00	4,058.25	4,445.57	3,926.41	34.24	37.68	33.49	778.93	1,605.00	255.54	206.66	48.88	5.228		
4,600.00	4,141.06	4,545.38	4,006.56	35.37	38.92	33.79	805.17	1,658.40	261.50	210.92	50.58	5.170		
4,700.00	4,223.87	4,645.20	4,086.70	36.50	40.16	34.07	831.42	1,711.79	267.46	215.17	52.28	5.116		
4,800.00	4,306.69	4,745.01	4,166.84	37.64	41.40	34.34	857.67	1,765.18	273.42	219.43	54.00	5.064		
4,900.00	4,389.50	4,844.83	4,246.99	38.77	42.64	34.59	883.92	1,818.58	279.40	223.68	55.71	5.015		
5,000.00	4,472.32	4,944.64	4,327.13	39.91	43.88	34.84	910.17	1,871.97	285.37	227.93	57.44	4.968		
5,100.00	4,555.13	5,044.45	4,407.27	41.05	45.12	35.07	936.42	1,925.36	291.36	232.19	59.17	4.924		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1G-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	5,144.27	4,487.42	42.18	46.36	35.30	962.67	1,978.75	297.34	236.44	60.90	4.882		
5,300.00	4,720.76	5,244.08	4,567.56	43.32	47.60	35.52	988.92	2,032.15	303.34	240.69	62.64	4.842		
5,400.00	4,803.57	5,343.90	4,647.70	44.46	48.84	35.73	1,015.17	2,085.54	309.33	244.95	64.39	4.804		
5,500.00	4,886.39	5,443.71	4,727.85	45.60	50.09	35.93	1,041.42	2,138.93	315.33	249.20	66.13	4.768		
5,600.00	4,969.20	5,543.52	4,807.99	46.74	51.33	36.12	1,067.67	2,192.33	321.33	253.45	67.88	4.734		
5,700.00	5,052.01	5,643.34	4,888.13	47.88	52.57	36.31	1,093.92	2,245.72	327.34	257.70	69.64	4.701		
5,800.00	5,134.83	5,743.15	4,968.27	49.02	53.82	36.49	1,120.17	2,299.11	333.35	261.96	71.40	4.669		
5,900.00	5,217.64	5,842.97	5,048.42	50.16	55.06	36.66	1,146.42	2,352.51	339.37	266.21	73.16	4.639		
6,000.00	5,300.45	5,942.78	5,128.56	51.30	56.31	36.83	1,172.67	2,405.90	345.38	270.46	74.92	4.610		
6,100.00	5,383.27	6,042.59	5,208.70	52.45	57.55	36.99	1,198.92	2,459.29	351.40	274.71	76.69	4.582		
6,200.00	5,466.08	6,142.41	5,288.85	53.59	58.80	37.15	1,225.17	2,512.69	357.42	278.97	78.46	4.556		
6,300.00	5,548.90	6,242.22	5,368.99	54.73	60.04	37.30	1,251.42	2,566.08	363.45	283.22	80.23	4.530		
6,400.00	5,631.71	6,342.03	5,449.13	55.87	61.29	37.44	1,277.67	2,619.47	369.48	287.47	82.00	4.506		
6,500.00	5,714.52	6,441.85	5,529.28	57.02	62.53	37.58	1,303.92	2,672.87	375.51	291.72	83.78	4.482		
6,600.00	5,797.34	6,541.66	5,609.42	58.16	63.78	37.72	1,330.17	2,726.26	381.54	295.98	85.56	4.459		
6,700.00	5,880.15	6,641.48	5,689.56	59.30	65.03	37.85	1,356.42	2,779.65	387.57	300.23	87.34	4.437		
6,800.00	5,962.96	6,741.29	5,769.71	60.45	66.27	37.98	1,382.67	2,833.05	393.61	304.48	89.12	4.416		
6,900.00	6,045.78	6,841.10	5,849.85	61.59	67.52	38.11	1,408.91	2,886.44	399.64	308.74	90.91	4.396		
7,000.00	6,128.59	6,940.92	5,929.99	62.73	68.77	38.23	1,435.16	2,939.83	405.68	312.99	92.69	4.377		
7,100.00	6,211.41	7,040.73	6,010.14	63.88	70.01	38.35	1,461.41	2,993.23	411.72	317.24	94.48	4.358		
7,200.00	6,294.22	7,140.55	6,090.28	65.02	71.26	38.46	1,487.66	3,046.62	417.77	321.50	96.27	4.340		
7,300.00	6,377.03	7,240.36	6,170.42	66.17	72.51	38.57	1,513.91	3,100.01	423.81	325.75	98.06	4.322		
7,400.00	6,459.85	7,340.17	6,250.57	67.31	73.75	38.68	1,540.16	3,153.41	429.86	330.00	99.85	4.305		
7,500.00	6,542.66	7,439.99	6,330.71	68.46	75.00	38.78	1,566.41	3,206.80	435.91	334.26	101.65	4.288		
7,600.00	6,625.48	7,539.80	6,410.85	69.60	76.25	38.88	1,592.66	3,260.19	441.95	338.51	103.44	4.272		
7,700.00	6,708.29	7,639.61	6,491.00	70.75	77.50	38.98	1,618.91	3,313.59	448.00	342.77	105.24	4.257		
7,800.00	6,791.10	7,739.43	6,571.14	71.89	78.75	39.08	1,645.16	3,366.98	454.06	347.02	107.03	4.242		
7,900.00	6,873.92	7,839.24	6,651.28	73.04	79.99	39.17	1,671.41	3,420.37	460.11	351.28	108.83	4.228		
8,000.00	6,956.73	7,939.06	6,731.43	74.18	81.24	39.26	1,697.66	3,473.76	466.16	355.53	110.63	4.214		
8,100.00	7,039.54	8,038.87	6,811.57	75.33	82.49	39.35	1,723.91	3,527.16	472.22	359.79	112.43	4.200		
8,165.32	7,093.63	8,104.06	6,863.91	76.08	83.30	39.41	1,741.05	3,562.03	476.17	362.56	113.61	4.191		
8,200.00	7,122.60	8,138.68	6,891.71	76.47	83.74	34.68	1,750.16	3,580.55	478.03	363.99	114.05	4.192		
8,250.00	7,165.05	8,188.41	6,931.64	77.01	84.36	26.64	1,763.24	3,607.15	479.88	365.87	114.01	4.209		
8,300.00	7,208.03	8,237.59	6,971.13	77.52	84.97	17.40	1,776.17	3,633.46	480.85	367.69	113.16	4.249		
8,350.00	7,251.22	8,285.85	7,009.87	77.99	85.58	7.37	1,788.86	3,659.27	481.17	369.66	111.50	4.315		
8,400.00	7,294.28	8,332.81	7,047.58	78.41	86.17	-2.94	1,801.21	3,684.39	481.16	372.13	109.03	4.413		
8,410.04	7,302.89	8,342.05	7,055.00	78.48	86.28	-5.00	1,803.64	3,689.34	481.16	372.72	108.44	4.437		
8,450.00	7,336.90	8,378.12	7,083.96	78.78	86.73	-13.04	1,813.13	3,708.63	481.26	375.47	105.80	4.549		
8,500.00	7,378.73	8,421.44	7,118.74	79.10	87.27	-22.57	1,824.52	3,731.80	481.99	380.09	101.90	4.730		
8,550.00	7,419.47	8,462.43	7,151.66	79.37	87.79	-31.27	1,835.30	3,753.73	483.90	386.37	97.53	4.961		
8,600.00	7,458.81	8,500.79	7,182.46	79.59	88.27	-39.00	1,845.39	3,774.25	487.60	394.60	93.00	5.243		
8,650.00	7,496.44	8,536.22	7,210.90	79.76	88.71	-45.69	1,854.70	3,793.20	493.67	404.94	88.73	5.564		
8,700.00	7,532.08	8,568.45	7,236.78	79.88	89.11	-51.28	1,863.18	3,810.45	502.61	417.40	85.21	5.898		
8,750.00	7,565.46	8,597.24	7,259.90	79.95	89.47	-55.75	1,870.75	3,825.85	514.85	431.90	82.95	6.207		
8,800.00	7,596.33	8,630.57	7,286.77	79.98	89.89	-59.87	1,878.99	3,843.75	530.50	448.10	82.40	6.438		
8,850.00	7,624.44	8,669.56	7,318.64	79.97	90.36	-63.74	1,886.30	3,864.97	549.16	465.66	83.49	6.577		
8,900.00	7,649.59	8,712.66	7,354.27	79.93	90.86	-67.25	1,891.32	3,888.69	570.53	484.85	85.68	6.659		
8,950.00	7,671.59	8,750.00	7,378.17	79.84	93.54	-68.67	1,892.57	3,904.59	594.28	504.26	90.02	6.602		
9,000.00	7,690.26	8,821.67	7,444.90	79.73	92.02	-74.28	1,889.59	3,948.95	619.97	529.49	90.49	6.852		
9,050.00	7,705.47	8,899.40	7,508.56	79.59	92.72	-78.73	1,875.77	3,991.25	646.95	555.91	91.04	7.106		
9,100.00	7,717.09	9,100.00	7,574.67	79.43	94.10	-82.78	1,848.98	4,035.13	673.86	583.01	90.86	7.417		
9,150.00	7,725.04	9,202.37	7,726.26	79.26	94.23	-93.44	1,729.31	4,135.56	698.54	622.18	76.36	9.148		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1G-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	9,536.17	7,859.05	79.06	94.00	-100.88	1,441.15	4,222.91	713.21	639.59	73.63	9.687		
9,231.13	7,730.00	9,675.45	7,870.00	78.93	93.55	-101.31	1,302.78	4,229.72	713.78	629.39	84.39	8.458		
9,300.00	7,730.00	9,744.32	7,870.00	78.65	93.30	-101.31	1,233.92	4,229.49	713.78	630.28	83.50	8.549		
9,400.00	7,730.00	9,844.32	7,870.00	78.26	92.96	-101.31	1,133.92	4,229.15	713.78	631.48	82.30	8.673		
9,500.00	7,730.00	9,944.32	7,870.00	77.89	92.63	-101.31	1,033.92	4,228.81	713.78	632.54	81.24	8.786		
9,600.00	7,730.00	10,044.32	7,870.00	77.53	92.32	-101.31	933.92	4,228.48	713.78	633.47	80.31	8.888		
9,700.00	7,730.00	10,144.32	7,870.00	77.19	92.03	-101.31	833.92	4,228.14	713.78	634.26	79.53	8.975		
9,800.00	7,730.00	10,244.32	7,870.00	76.88	91.75	-101.31	733.92	4,227.80	713.78	634.90	78.89	9.048		
9,900.00	7,730.00	10,344.32	7,870.00	76.58	91.48	-101.31	633.92	4,227.46	713.78	635.39	78.40	9.105		
10,000.00	7,730.00	10,444.32	7,870.00	76.30	91.24	-101.31	533.92	4,227.13	713.78	635.73	78.06	9.144		
10,100.00	7,730.00	10,544.32	7,870.00	76.04	91.00	-101.31	433.92	4,226.79	713.78	635.91	77.87	9.166		
10,200.00	7,730.00	10,644.32	7,870.00	75.79	90.79	-101.31	333.92	4,226.45	713.78	635.94	77.85	9.169		
10,300.00	7,730.00	10,744.32	7,870.00	75.57	90.59	-101.31	233.92	4,226.12	713.79	635.81	77.97	9.154		
10,400.00	7,730.00	10,844.32	7,870.00	75.36	90.40	-101.31	133.92	4,225.78	713.79	635.53	78.25	9.121		
10,500.00	7,730.00	10,944.32	7,870.00	75.18	90.23	-101.31	33.92	4,225.44	713.79	635.10	78.69	9.071		
10,600.00	7,730.00	11,044.32	7,870.00	75.01	90.08	-101.31	-66.08	4,225.10	713.79	634.51	79.27	9.004		
10,700.00	7,730.00	11,144.32	7,870.00	74.86	89.94	-101.31	-166.08	4,224.77	713.79	633.78	80.00	8.922		
10,800.00	7,730.00	11,244.32	7,870.00	74.74	89.83	-101.31	-266.08	4,224.43	713.79	632.91	80.88	8.825		
10,900.00	7,730.00	11,344.32	7,870.00	74.64	89.72	-101.31	-366.08	4,224.09	713.79	631.89	81.89	8.716		
11,000.00	7,730.00	11,444.32	7,870.00	74.56	89.64	-101.31	-466.07	4,223.75	713.79	630.75	83.04	8.596		
11,100.00	7,730.00	11,544.32	7,870.00	74.51	89.58	-101.31	-566.07	4,223.42	713.79	629.47	84.32	8.466		
11,200.00	7,730.00	11,644.32	7,870.00	74.48	89.53	-101.31	-666.07	4,223.08	713.79	628.08	85.71	8.328		
11,300.00	7,730.00	11,744.32	7,870.00	74.48	89.50	-101.31	-766.07	4,222.74	713.79	626.56	87.23	8.183		
11,400.00	7,730.00	11,844.32	7,870.00	74.50	89.50	-101.31	-866.07	4,222.41	713.79	624.94	88.85	8.033		
11,500.00	7,730.00	11,944.32	7,870.00	74.56	89.52	-101.31	-966.07	4,222.07	713.79	623.21	90.58	7.880		
11,600.00	7,730.00	12,044.32	7,870.00	74.66	89.55	-101.31	-1,066.07	4,221.73	713.79	621.38	92.41	7.724		
11,700.00	7,730.00	12,144.32	7,870.00	74.79	89.62	-101.31	-1,166.07	4,221.39	713.79	619.46	94.33	7.567		
11,800.00	7,730.00	12,244.32	7,870.00	74.96	89.70	-101.31	-1,266.07	4,221.06	713.79	617.45	96.34	7.409		
11,900.00	7,730.00	12,344.32	7,870.00	75.17	89.82	-101.31	-1,366.07	4,220.72	713.79	615.36	98.43	7.252		
12,000.00	7,730.00	12,444.32	7,870.00	75.43	89.96	-101.31	-1,466.07	4,220.38	713.79	613.20	100.59	7.096		
12,100.00	7,730.00	12,544.32	7,870.00	75.73	90.13	-101.31	-1,566.07	4,220.04	713.79	610.96	102.83	6.941		
12,200.00	7,730.00	12,644.32	7,870.00	76.09	90.33	-101.31	-1,666.07	4,219.71	713.79	608.65	105.14	6.789		
12,300.00	7,730.00	12,744.32	7,870.00	76.51	90.56	-101.31	-1,766.07	4,219.37	713.79	606.29	107.51	6.639		
12,400.00	7,730.00	12,844.32	7,870.00	76.97	90.83	-101.31	-1,866.07	4,219.03	713.79	603.86	109.94	6.493		
12,500.00	7,730.00	12,944.32	7,870.00	77.50	91.13	-101.31	-1,966.07	4,218.70	713.79	601.37	112.42	6.349		
12,600.00	7,730.00	13,044.32	7,870.00	78.09	91.47	-101.31	-2,066.07	4,218.36	713.79	598.84	114.95	6.209		
12,700.00	7,730.00	13,144.32	7,870.00	78.74	91.85	-101.31	-2,166.06	4,218.02	713.79	596.26	117.54	6.073		
12,800.00	7,730.00	13,244.32	7,870.00	79.45	92.27	-101.31	-2,266.06	4,217.68	713.80	593.63	120.17	5.940		
12,900.00	7,730.00	13,344.32	7,870.00	80.22	92.73	-101.31	-2,366.06	4,217.35	713.80	590.96	122.84	5.811		
13,000.00	7,730.00	13,444.32	7,870.00	81.05	93.23	-101.31	-2,466.06	4,217.01	713.80	588.25	125.55	5.685		
13,100.00	7,730.00	13,544.32	7,870.00	81.94	93.78	-101.31	-2,566.06	4,216.67	713.80	585.50	128.30	5.564		
13,200.00	7,730.00	13,644.32	7,870.00	82.87	94.37	-101.31	-2,666.06	4,216.33	713.80	582.72	131.08	5.446		
13,300.00	7,730.00	13,744.32	7,870.00	83.86	95.01	-101.31	-2,766.06	4,216.00	713.80	579.90	133.89	5.331		
13,400.00	7,730.00	13,844.32	7,870.00	84.90	95.69	-101.31	-2,866.06	4,215.66	713.80	577.06	136.74	5.220		
13,500.00	7,730.00	13,944.32	7,870.00	85.97	96.42	-101.31	-2,966.06	4,215.32	713.80	574.18	139.61	5.113		
13,600.00	7,730.00	14,044.32	7,870.00	87.09	97.19	-101.31	-3,066.06	4,214.99	713.80	571.28	142.51	5.009		
13,700.00	7,730.00	14,144.32	7,870.00	88.25	98.01	-101.31	-3,166.06	4,214.65	713.80	568.36	145.44	4.908		
13,800.00	7,730.00	14,244.32	7,870.00	89.44	98.87	-101.31	-3,266.06	4,214.31	713.80	565.41	148.39	4.810		
13,900.00	7,730.00	14,344.32	7,870.00	90.66	99.77	-101.31	-3,366.06	4,213.97	713.80	562.44	151.36	4.716		
14,000.00	7,730.00	14,444.32	7,870.00	91.92	100.72	-101.31	-3,466.06	4,213.64	713.80	559.44	154.36	4.624		
14,100.00	7,730.00	14,544.32	7,870.00	93.20	101.70	-101.31	-3,566.06	4,213.30	713.80	556.43	157.37	4.536		
14,200.00	7,730.00	14,644.32	7,870.00	94.50	102.72	-101.31	-3,666.06	4,212.96	713.80	553.40	160.40	4.450		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1G-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	14,744.32	7,870.00	95.83	103.78	-101.31	-3,766.06	4,212.63	713.80	550.35	163.46	4.367		
14,400.00	7,730.00	14,844.32	7,870.00	97.17	104.87	-101.31	-3,866.06	4,212.29	713.80	547.28	166.52	4.287		
14,500.00	7,730.00	14,944.32	7,870.00	98.54	105.99	-101.31	-3,966.05	4,211.95	713.80	544.20	169.61	4.209		
14,600.00	7,730.00	15,044.32	7,870.00	99.92	107.15	-101.31	-4,066.05	4,211.61	713.80	541.10	172.70	4.133		
14,700.00	7,730.00	15,144.32	7,870.00	101.32	108.33	-101.31	-4,166.05	4,211.28	713.80	537.99	175.82	4.060		
14,800.00	7,730.00	15,244.32	7,870.00	102.74	109.54	-101.31	-4,266.05	4,210.94	713.80	534.86	178.94	3.989		
14,900.00	7,730.00	15,344.32	7,870.00	104.17	110.77	-101.31	-4,366.05	4,210.60	713.80	531.72	182.08	3.920		
15,000.00	7,730.00	15,444.32	7,870.00	105.62	112.03	-101.31	-4,466.05	4,210.26	713.80	528.57	185.23	3.854		
15,100.00	7,730.00	15,544.32	7,870.00	107.07	113.31	-101.31	-4,566.05	4,209.93	713.80	525.41	188.40	3.789		
15,200.00	7,730.00	15,644.32	7,870.00	108.54	114.61	-101.31	-4,666.05	4,209.59	713.80	522.24	191.57	3.726		
15,300.00	7,730.00	15,744.32	7,870.00	110.02	115.93	-101.31	-4,766.05	4,209.25	713.81	519.05	194.75	3.665		
15,400.00	7,730.00	15,844.32	7,870.00	111.51	117.27	-101.31	-4,866.05	4,208.92	713.81	515.86	197.95	3.606		
15,500.00	7,730.00	15,944.32	7,870.00	113.01	118.63	-101.31	-4,966.05	4,208.58	713.81	512.66	201.15	3.549		
15,600.00	7,730.00	16,044.32	7,870.00	114.52	120.00	-101.31	-5,066.05	4,208.24	713.81	509.44	204.36	3.493		
15,700.00	7,730.00	16,144.32	7,870.00	116.04	121.39	-101.31	-5,166.05	4,207.90	713.81	506.22	207.58	3.439		
15,800.00	7,730.00	16,244.32	7,870.00	117.56	122.79	-101.31	-5,266.05	4,207.57	713.81	502.99	210.81	3.386		
15,900.00	7,730.00	16,344.32	7,870.00	119.09	124.20	-101.31	-5,366.05	4,207.23	713.81	499.76	214.05	3.335		
16,000.00	7,730.00	16,444.32	7,870.00	120.63	125.63	-101.31	-5,466.05	4,206.89	713.81	496.51	217.29	3.285		
16,100.00	7,730.00	16,544.32	7,870.00	122.18	127.07	-101.31	-5,566.05	4,206.55	713.81	493.26	220.55	3.237		
16,200.00	7,730.00	16,644.32	7,870.00	123.73	128.52	-101.31	-5,666.05	4,206.22	713.81	490.00	223.80	3.189		
16,300.00	7,730.00	16,744.32	7,870.00	125.29	129.99	-101.31	-5,766.04	4,205.88	713.81	486.74	227.07	3.144		
16,400.00	7,730.00	16,844.32	7,870.00	126.86	131.46	-101.31	-5,866.04	4,205.54	713.81	483.47	230.34	3.099		
16,500.00	7,730.00	16,944.32	7,870.00	128.43	132.94	-101.31	-5,966.04	4,205.21	713.81	480.19	233.62	3.055		
16,600.00	7,730.00	17,044.32	7,870.00	130.01	134.43	-101.31	-6,066.04	4,204.87	713.81	476.91	236.90	3.013		
16,700.00	7,730.00	17,144.32	7,870.00	131.59	135.93	-101.31	-6,166.04	4,204.53	713.81	473.62	240.19	2.972		
16,800.00	7,730.00	17,244.32	7,870.00	133.18	137.44	-101.31	-6,266.04	4,204.19	713.81	470.33	243.48	2.932		
16,900.00	7,730.00	17,344.32	7,870.00	134.77	138.96	-101.31	-6,366.04	4,203.86	713.81	467.03	246.78	2.892		
17,000.00	7,730.00	17,444.32	7,870.00	136.37	140.48	-101.31	-6,466.04	4,203.52	713.81	463.73	250.09	2.854		
17,100.00	7,730.00	17,544.32	7,870.00	137.97	142.01	-101.31	-6,566.04	4,203.18	713.81	460.42	253.39	2.817		
17,200.00	7,730.00	17,644.32	7,870.00	139.57	143.55	-101.31	-6,666.04	4,202.85	713.81	457.11	256.71	2.781		
17,300.00	7,730.00	17,744.32	7,870.00	141.18	145.09	-101.31	-6,766.04	4,202.51	713.81	453.79	260.03	2.745		
17,400.00	7,730.00	17,844.32	7,870.00	142.79	146.64	-101.31	-6,866.04	4,202.17	713.81	450.47	263.35	2.711		
17,500.00	7,730.00	17,944.32	7,870.00	144.41	148.19	-101.31	-6,966.04	4,201.83	713.81	447.14	266.67	2.677		
17,600.00	7,730.00	18,044.32	7,870.00	146.03	149.75	-101.31	-7,066.04	4,201.50	713.81	443.81	270.00	2.644		
17,700.00	7,730.00	18,144.32	7,870.00	147.65	151.32	-101.31	-7,166.04	4,201.16	713.82	440.48	273.33	2.612		
17,800.00	7,730.00	18,244.32	7,870.00	149.28	152.89	-101.31	-7,266.04	4,200.82	713.82	437.14	276.67	2.580		
17,900.00	7,730.00	18,344.32	7,870.00	150.91	154.47	-101.31	-7,366.04	4,200.48	713.82	433.80	280.01	2.549		
18,000.00	7,730.00	18,444.32	7,870.00	152.54	156.05	-101.31	-7,466.03	4,200.15	713.82	430.46	283.36	2.519		
18,100.00	7,730.00	18,544.32	7,870.00	154.18	157.64	-101.31	-7,566.03	4,199.81	713.82	427.11	286.70	2.490		
18,200.00	7,730.00	18,644.32	7,870.00	155.82	159.22	-101.31	-7,666.03	4,199.47	713.82	423.77	290.05	2.461		
18,300.00	7,730.00	18,744.32	7,870.00	157.46	160.82	-101.31	-7,766.03	4,199.14	713.82	420.41	293.40	2.433		
18,400.00	7,730.00	18,844.32	7,870.00	159.11	162.42	-101.31	-7,866.03	4,198.80	713.82	417.06	296.76	2.405		
18,500.00	7,730.00	18,944.32	7,870.00	160.75	164.02	-101.31	-7,966.03	4,198.46	713.82	413.70	300.12	2.378		
18,600.00	7,730.00	19,044.32	7,870.00	162.40	165.62	-101.31	-8,066.03	4,198.12	713.82	410.34	303.48	2.352		
18,700.00	7,730.00	19,144.32	7,870.00	164.05	167.23	-101.31	-8,166.03	4,197.79	713.82	406.97	306.84	2.326		
18,800.00	7,730.00	19,244.32	7,870.00	165.71	168.85	-101.31	-8,266.03	4,197.45	713.82	403.61	310.21	2.301		
18,900.00	7,730.00	19,344.32	7,870.00	167.36	170.46	-101.31	-8,366.03	4,197.11	713.82	400.24	313.58	2.276		
18,942.39	7,730.00	19,386.71	7,870.00	168.07	171.15	-101.31	-8,408.42	4,196.97	713.82	398.81	315.01	2.266 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1J-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	-1.00	0.00	0.00	90.70	-0.36	29.96	29.96	29.69	0.27	109.979		
100.00	100.00	101.00	99.00	0.13	0.14	90.70	-0.36	29.96	29.96	28.97	0.99	30.284		
200.00	200.00	201.00	199.00	0.49	0.50	90.70	-0.36	29.96	29.96	28.97	0.99	30.284		
300.00	300.00	301.00	299.00	0.85	0.85	90.70	-0.36	29.96	29.96	28.26	1.71	17.560		
400.00	400.00	401.00	399.00	1.21	1.21	90.70	-0.36	29.96	29.96	27.54	2.42	12.364		
500.00	500.00	499.00	499.00	1.57	1.56	90.70	-0.36	29.96	29.96	26.83	3.13	9.563 CC, ES		
600.00	600.00	598.03	598.02	1.93	1.92	89.39	0.34	31.48	31.50	27.66	3.84	8.199		
700.00	700.00	696.83	696.67	2.29	2.27	86.11	2.45	36.10	36.26	31.72	4.55	7.977		
800.00	800.00	795.15	794.63	2.64	2.62	82.23	5.97	43.77	44.39	39.14	5.25	8.462		
900.00	899.98	893.00	891.77	3.00	2.99	19.66	10.86	54.42	54.33	48.40	5.93	9.158		
1,000.00	999.84	990.51	988.11	3.35	3.38	17.90	17.11	68.03	64.38	57.77	6.61	9.742		
1,100.00	1,099.45	1,087.68	1,083.57	3.71	3.78	16.88	24.69	84.55	74.47	67.19	7.28	10.226		
1,200.00	1,198.70	1,184.53	1,178.03	4.08	4.22	16.33	33.58	103.94	84.55	76.60	7.95	10.629		
1,300.00	1,297.47	1,281.06	1,271.42	4.47	4.69	16.10	43.77	126.13	94.60	85.98	8.62	10.972		
1,400.00	1,395.62	1,377.26	1,363.62	4.87	5.19	16.10	55.22	151.09	104.61	95.31	9.30	11.250		
1,500.00	1,493.06	1,473.16	1,454.55	5.31	5.74	16.26	67.91	178.75	114.56	104.59	9.98	11.483		
1,600.00	1,589.64	1,568.75	1,544.13	5.77	6.34	16.55	81.82	209.06	124.45	113.79	10.66	11.671		
1,700.00	1,685.27	1,664.05	1,632.28	6.28	6.98	16.93	96.92	241.96	134.27	122.91	11.36	11.819		
1,800.00	1,779.82	1,759.05	1,718.90	6.83	7.67	17.39	113.18	277.40	144.01	131.94	12.07	11.929		
1,900.00	1,873.17	1,853.76	1,803.94	7.43	8.42	17.90	130.57	315.31	153.67	140.87	12.80	12.002		
2,000.00	1,965.21	1,948.19	1,887.30	8.08	9.22	18.47	149.07	355.62	163.25	149.69	13.56	12.039		
2,100.00	2,055.84	2,042.36	1,968.92	8.79	10.08	19.07	168.65	398.29	172.74	158.40	14.35	12.040		
2,200.00	2,144.94	2,136.25	2,048.73	9.56	11.00	19.71	189.28	443.24	182.15	166.98	15.17	12.006		
2,300.00	2,232.39	2,229.89	2,126.66	10.39	11.97	20.37	210.92	490.41	191.47	175.43	16.04	11.938		
2,400.00	2,318.11	2,323.28	2,202.66	11.30	13.01	21.06	233.56	539.74	200.69	183.73	16.96	11.834		
2,504.60	2,405.78	2,420.71	2,280.01	12.31	14.15	21.80	258.26	593.57	210.24	192.26	17.98	11.691		
2,600.00	2,484.79	2,514.88	2,353.59	13.28	15.31	22.54	282.77	646.99	219.24	200.09	19.15	11.449		
2,700.00	2,567.60	2,614.39	2,431.32	14.32	16.55	23.26	308.68	703.45	228.74	208.30	20.44	11.192		
2,800.00	2,650.41	2,713.90	2,509.06	15.37	17.80	23.92	334.59	759.92	238.26	216.50	21.76	10.947		
2,900.00	2,733.23	2,813.41	2,586.79	16.44	19.06	24.52	360.50	816.38	247.82	224.70	23.12	10.717		
3,000.00	2,816.04	2,912.92	2,664.52	17.52	20.34	25.09	386.41	872.85	257.40	232.89	24.51	10.501		
3,100.00	2,898.85	3,012.43	2,742.26	18.60	21.61	25.61	412.32	929.31	267.01	241.08	25.92	10.299		
3,200.00	2,981.67	3,111.93	2,819.99	19.69	22.89	26.09	438.23	985.78	276.63	249.27	27.36	10.110		
3,300.00	3,064.48	3,211.44	2,897.72	20.79	24.18	26.55	464.14	1,042.24	286.27	257.46	28.82	9.934		
3,400.00	3,147.30	3,310.95	2,975.46	21.90	25.47	26.97	490.05	1,098.71	295.93	265.64	30.29	9.769		
3,500.00	3,230.11	3,410.46	3,053.19	23.00	26.77	27.37	515.96	1,155.17	305.61	273.82	31.78	9.615		
3,600.00	3,312.92	3,509.97	3,130.92	24.12	28.07	27.74	541.87	1,211.64	315.30	282.01	33.29	9.471		
3,700.00	3,395.74	3,609.48	3,208.66	25.23	29.37	28.09	567.78	1,268.10	325.00	290.19	34.81	9.336		
3,800.00	3,478.55	3,708.99	3,286.39	26.35	30.67	28.42	593.69	1,324.56	334.71	298.37	36.34	9.210		
3,900.00	3,561.36	3,808.50	3,364.13	27.47	31.97	28.73	619.60	1,381.03	344.44	306.55	37.89	9.091		
4,000.00	3,644.18	3,908.01	3,441.86	28.59	33.28	29.03	645.51	1,437.49	354.17	314.73	39.44	8.980		
4,100.00	3,726.99	4,007.52	3,519.59	29.72	34.59	29.30	671.42	1,493.96	363.91	322.90	41.00	8.875		
4,200.00	3,809.81	4,107.03	3,597.33	30.85	35.90	29.57	697.33	1,550.42	373.66	331.08	42.57	8.777		
4,300.00	3,892.62	4,206.54	3,675.06	31.98	37.21	29.82	723.24	1,606.89	383.41	339.26	44.15	8.684		
4,400.00	3,975.43	4,306.05	3,752.79	33.11	38.52	30.06	749.15	1,663.35	393.18	347.44	45.74	8.596		
4,500.00	4,058.25	4,405.56	3,830.53	34.24	39.83	30.28	775.06	1,719.82	402.95	355.62	47.33	8.513		
4,600.00	4,141.06	4,505.06	3,908.26	35.37	41.15	30.50	800.97	1,776.28	412.72	363.79	48.93	8.435		
4,700.00	4,223.87	4,604.57	3,985.99	36.50	42.46	30.71	826.88	1,832.75	422.51	371.97	50.54	8.361		
4,800.00	4,306.69	4,704.08	4,063.73	37.64	43.78	30.90	852.79	1,889.21	432.29	380.15	52.14	8.290		
4,900.00	4,389.50	4,803.59	4,141.46	38.77	45.09	31.09	878.70	1,945.68	442.08	388.33	53.76	8.224		
5,000.00	4,472.32	4,903.10	4,219.20	39.91	46.41	31.27	904.61	2,002.14	451.88	396.50	55.38	8.160		
5,100.00	4,555.13	5,002.61	4,296.93	41.05	47.73	31.44	930.52	2,058.60	461.68	404.68	57.00	8.100		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1J-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	5,102.12	4,374.66	42.18	49.04	31.61	956.43	2,115.07	471.48	412.86	58.63	8.042		
5,300.00	4,720.76	5,201.63	4,452.40	43.32	50.36	31.76	982.34	2,171.53	481.29	421.04	60.26	7.987		
5,400.00	4,803.57	5,301.14	4,530.13	44.46	51.68	31.92	1,008.25	2,228.00	491.10	429.21	61.89	7.935		
5,500.00	4,886.39	5,400.65	4,607.86	45.60	53.00	32.06	1,034.16	2,284.46	500.92	437.39	63.53	7.885		
5,600.00	4,969.20	5,500.16	4,685.60	46.74	54.32	32.20	1,060.07	2,340.93	510.74	445.57	65.17	7.837		
5,700.00	5,052.01	5,599.67	4,763.33	47.88	55.64	32.34	1,085.98	2,397.39	520.56	453.75	66.81	7.792		
5,800.00	5,134.83	5,699.18	4,841.06	49.02	56.96	32.47	1,111.89	2,453.86	530.38	461.93	68.45	7.748		
5,900.00	5,217.64	5,801.32	4,918.80	50.16	58.31	32.59	1,137.80	2,510.32	540.21	470.08	70.12	7.704		
6,000.00	5,300.45	5,898.19	4,996.53	51.30	59.60	32.71	1,163.71	2,566.79	550.04	478.28	71.75	7.666		
6,100.00	5,383.27	6,002.30	5,074.27	52.45	60.98	32.83	1,189.62	2,623.25	559.87	486.43	73.44	7.623		
6,200.00	5,466.08	6,102.79	5,152.00	53.59	62.31	32.94	1,215.53	2,679.71	569.70	494.60	75.10	7.586		
6,300.00	5,548.90	6,203.28	5,229.73	54.73	63.65	33.05	1,241.44	2,736.18	579.53	502.77	76.77	7.549		
6,400.00	5,631.71	6,303.77	5,307.47	55.87	64.98	33.16	1,267.35	2,792.64	589.37	510.94	78.43	7.514		
6,500.00	5,714.52	6,404.26	5,385.20	57.02	66.32	33.26	1,293.26	2,849.11	599.21	519.11	80.10	7.481		
6,600.00	5,797.34	6,504.75	5,462.93	58.16	67.65	33.36	1,319.17	2,905.57	609.05	527.28	81.77	7.448		
6,700.00	5,880.15	6,605.24	5,540.67	59.30	68.99	33.45	1,345.08	2,962.04	618.89	535.45	83.44	7.417		
6,800.00	5,962.96	6,705.73	5,618.40	60.45	70.32	33.54	1,370.99	3,018.50	628.74	543.63	85.11	7.387		
6,900.00	6,045.78	6,806.22	5,696.13	61.59	71.66	33.63	1,396.90	3,074.97	638.58	551.80	86.79	7.358		
7,000.00	6,128.59	6,893.29	5,773.87	62.73	72.82	33.72	1,422.81	3,131.43	648.43	560.08	88.35	7.339		
7,100.00	6,211.41	7,007.20	5,851.60	63.88	74.33	33.80	1,448.72	3,187.90	658.28	568.14	90.14	7.303		
7,200.00	6,294.22	7,107.70	5,929.34	65.02	75.67	33.89	1,474.63	3,244.36	668.13	576.31	91.82	7.277		
7,300.00	6,377.03	7,208.19	6,007.07	66.17	77.00	33.97	1,500.54	3,300.83	677.98	584.49	93.50	7.251		
7,400.00	6,459.85	7,291.32	6,084.80	67.31	78.11	34.04	1,526.45	3,357.29	687.83	592.80	95.04	7.238		
7,500.00	6,542.66	7,390.83	6,162.54	68.46	79.43	34.12	1,552.36	3,413.75	697.69	600.98	96.71	7.214		
7,600.00	6,625.48	7,509.66	6,240.27	69.60	81.01	34.19	1,578.27	3,470.22	707.54	609.00	98.54	7.180		
7,700.00	6,708.29	7,589.85	6,318.00	70.75	82.08	34.26	1,604.18	3,526.68	717.40	617.34	100.06	7.170		
7,800.00	6,791.10	7,689.36	6,395.74	71.89	83.40	34.33	1,630.09	3,583.15	727.26	625.52	101.73	7.149		
7,900.00	6,873.92	7,788.87	6,473.47	73.04	84.73	34.40	1,656.00	3,639.61	737.11	633.70	103.41	7.128		
8,000.00	6,956.73	7,888.38	6,551.20	74.18	86.05	34.46	1,681.91	3,696.08	746.97	641.88	105.09	7.108		
8,100.00	7,039.54	7,987.89	6,628.94	75.33	87.37	34.53	1,707.82	3,752.54	756.83	650.07	106.77	7.089		
8,165.32	7,093.63	8,052.88	6,679.71	76.08	88.24	34.57	1,724.74	3,789.42	763.27	655.41	107.86	7.076		
8,200.00	7,122.60	8,087.40	6,706.67	76.47	88.70	30.01	1,733.73	3,809.01	766.54	658.22	108.32	7.077		
8,250.00	7,165.05	8,136.99	6,745.41	77.01	89.36	22.41	1,746.64	3,837.15	770.70	662.18	108.52	7.102		
8,300.00	7,208.03	8,186.03	6,783.72	77.52	90.01	13.82	1,759.41	3,864.98	774.26	666.08	108.18	7.157		
8,350.00	7,251.22	8,234.16	6,821.32	77.99	90.65	4.63	1,771.94	3,892.29	777.34	670.04	107.31	7.244		
8,400.00	7,294.28	8,281.01	6,857.92	78.41	91.27	-4.68	1,784.14	3,918.87	780.13	674.22	105.91	7.366		
8,450.00	7,336.90	8,326.23	6,893.24	78.78	91.87	-13.65	1,795.91	3,944.53	782.87	678.83	104.03	7.525		
8,500.00	7,378.73	8,369.46	6,927.01	79.10	92.45	-21.96	1,807.17	3,969.06	785.84	684.12	101.72	7.725		
8,550.00	7,419.47	8,410.38	6,958.97	79.37	92.99	-29.43	1,817.83	3,992.27	789.39	690.32	99.07	7.968		
8,600.00	7,458.81	8,448.68	6,988.89	79.59	93.50	-35.96	1,827.80	4,014.01	793.85	697.67	96.18	8.254		
8,650.00	7,496.44	8,484.06	7,016.53	79.76	93.98	-41.56	1,837.01	4,034.08	799.56	706.36	93.20	8.579		
8,700.00	7,532.08	8,516.26	7,041.69	79.88	94.40	-46.24	1,845.40	4,052.36	806.87	716.54	90.33	8.933		
8,750.00	7,565.46	8,545.04	7,064.16	79.95	94.79	-50.02	1,852.89	4,068.68	816.07	728.31	87.75	9.300		
8,800.00	7,596.33	8,570.16	7,083.79	79.98	95.12	-52.91	1,859.43	4,082.94	827.38	741.70	85.68	9.657		
8,850.00	7,624.44	8,591.45	7,100.42	79.97	95.40	-54.93	1,864.97	4,095.02	840.98	756.69	84.29	9.978		
8,900.00	7,649.59	8,608.74	7,113.93	79.93	95.63	-56.09	1,869.48	4,104.83	856.95	773.26	83.69	10.240		
8,950.00	7,671.59	8,621.90	7,124.21	79.84	95.81	-56.39	1,872.90	4,112.30	875.27	791.35	83.92	10.429		
9,000.00	7,690.26	8,630.82	7,131.18	79.73	95.93	-55.85	1,875.22	4,117.36	895.87	810.91	84.96	10.545		
9,050.00	7,705.47	8,635.45	7,134.79	79.59	95.99	-54.48	1,876.43	4,119.99	918.54	831.86	86.68	10.596		
9,100.00	7,717.09	8,635.74	7,135.02	79.43	95.99	-52.32	1,876.50	4,120.15	943.05	854.11	88.94	10.603		
9,150.00	7,725.04	8,631.69	7,131.86	79.26	95.94	-49.43	1,875.45	4,117.86	969.08	877.51	91.57	10.583		
9,200.00	7,729.27	8,623.34	7,125.33	79.06	95.83	-45.91	1,873.28	4,113.12	996.26	901.85	94.41	10.552		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1J-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	8,615.99	7,119.59	78.93	95.73	-43.45	1,871.36	4,108.95	1,013.60	917.37	96.23	10.533		
9,300.00	7,730.00	9,792.49	7,730.00	78.65	100.58	-90.06	1,232.82	4,549.49	1,019.92	928.07	91.85	11.104		
9,400.00	7,730.00	9,907.51	7,730.00	78.26	100.21	-90.06	1,132.82	4,549.15	1,019.92	929.14	90.78	11.235		
9,500.00	7,730.00	10,007.51	7,730.00	77.89	99.91	-90.06	1,032.82	4,548.81	1,019.92	930.00	89.92	11.343		
9,600.00	7,730.00	10,107.51	7,730.00	77.53	99.61	-90.06	932.82	4,548.47	1,019.91	930.73	89.18	11.436		
9,700.00	7,730.00	10,207.51	7,730.00	77.19	99.34	-90.06	832.82	4,548.13	1,019.91	931.33	88.59	11.513		
9,800.00	7,730.00	10,292.49	7,730.00	76.88	99.11	-90.06	732.83	4,547.79	1,019.91	931.75	88.16	11.569		
9,900.00	7,730.00	10,407.51	7,730.00	76.58	98.83	-90.06	632.83	4,547.45	1,019.91	932.10	87.81	11.615		
10,000.00	7,730.00	10,507.51	7,730.00	76.30	98.59	-90.06	532.83	4,547.12	1,019.91	932.28	87.63	11.638		
10,100.00	7,730.00	10,607.51	7,730.00	76.04	98.37	-90.06	432.83	4,546.78	1,019.91	932.31	87.60	11.643		
10,200.00	7,730.00	10,707.51	7,730.00	75.79	98.16	-90.06	332.83	4,546.44	1,019.91	932.20	87.71	11.628		
10,300.00	7,730.00	10,807.51	7,730.00	75.57	97.97	-90.06	232.83	4,546.10	1,019.91	931.95	87.96	11.595		
10,400.00	7,730.00	10,907.51	7,730.00	75.36	97.80	-90.06	132.83	4,545.76	1,019.91	931.55	88.35	11.544		
10,500.00	7,730.00	11,007.51	7,730.00	75.18	97.63	-90.06	32.83	4,545.42	1,019.91	931.02	88.88	11.475		
10,600.00	7,730.00	11,107.51	7,730.00	75.01	97.49	-90.06	-67.17	4,545.08	1,019.91	930.35	89.55	11.389		
10,700.00	7,730.00	11,207.51	7,730.00	74.86	97.35	-90.06	-167.17	4,544.75	1,019.90	929.55	90.35	11.288		
10,800.00	7,730.00	11,307.51	7,730.00	74.74	97.24	-90.06	-267.17	4,544.41	1,019.90	928.62	91.28	11.173		
10,900.00	7,730.00	11,407.51	7,730.00	74.64	97.13	-90.06	-367.17	4,544.07	1,019.90	927.56	92.34	11.045		
11,000.00	7,730.00	11,507.51	7,730.00	74.56	97.05	-90.06	-467.17	4,543.73	1,019.90	926.38	93.52	10.906		
11,100.00	7,730.00	11,607.51	7,730.00	74.51	96.98	-90.06	-567.17	4,543.39	1,019.90	925.08	94.82	10.757		
11,200.00	7,730.00	11,707.51	7,730.00	74.48	96.93	-90.06	-667.17	4,543.05	1,019.90	923.67	96.23	10.599		
11,300.00	7,730.00	11,807.51	7,730.00	74.48	96.89	-90.06	-767.17	4,542.71	1,019.90	922.16	97.74	10.435		
11,400.00	7,730.00	11,892.49	7,730.00	74.50	96.88	-90.06	-867.17	4,542.38	1,019.90	920.66	99.24	10.277		
11,500.00	7,730.00	12,007.51	7,730.00	74.56	96.88	-90.06	-967.16	4,542.04	1,019.90	918.82	101.08	10.090		
11,600.00	7,730.00	12,092.49	7,730.00	74.66	96.89	-90.06	-1,067.16	4,541.70	1,019.90	917.14	102.75	9.926		
11,700.00	7,730.00	12,207.51	7,730.00	74.79	96.94	-90.06	-1,167.16	4,541.36	1,019.90	915.11	104.78	9.733		
11,800.00	7,730.00	12,307.51	7,730.00	74.96	97.00	-90.06	-1,267.16	4,541.02	1,019.89	913.13	106.76	9.553		
11,900.00	7,730.00	12,392.49	7,730.00	75.17	97.07	-90.06	-1,367.16	4,540.68	1,019.89	911.22	108.67	9.385		
12,000.00	7,730.00	12,507.51	7,730.00	75.43	97.19	-90.06	-1,467.16	4,540.34	1,019.89	908.93	110.96	9.192		
12,100.00	7,730.00	12,607.51	7,730.00	75.73	97.32	-90.06	-1,567.16	4,540.01	1,019.89	906.73	113.16	9.013		
12,200.00	7,730.00	12,707.51	7,730.00	76.09	97.48	-90.06	-1,667.16	4,539.67	1,019.89	904.46	115.43	8.835		
12,300.00	7,730.00	12,792.49	7,730.00	76.51	97.63	-90.06	-1,767.16	4,539.33	1,019.89	902.30	117.59	8.673		
12,400.00	7,730.00	12,907.51	7,730.00	76.97	97.87	-90.06	-1,867.16	4,538.99	1,019.89	899.73	120.15	8.488		
12,500.00	7,730.00	13,007.51	7,730.00	77.50	98.10	-90.06	-1,967.16	4,538.65	1,019.89	897.29	122.60	8.319		
12,600.00	7,730.00	13,107.51	7,730.00	78.09	98.37	-90.06	-2,067.16	4,538.31	1,019.89	894.79	125.10	8.153		
12,700.00	7,730.00	13,192.49	7,730.00	78.74	98.62	-90.06	-2,167.16	4,537.97	1,019.89	892.43	127.46	8.002		
12,800.00	7,730.00	13,307.51	7,730.00	79.45	99.00	-90.06	-2,267.16	4,537.64	1,019.88	889.64	130.24	7.831		
12,900.00	7,730.00	13,407.51	7,730.00	80.22	99.37	-90.06	-2,367.16	4,537.30	1,019.88	887.01	132.88	7.675		
13,000.00	7,730.00	13,492.49	7,730.00	81.05	99.71	-90.06	-2,467.16	4,536.96	1,019.88	884.53	135.36	7.535		
13,100.00	7,730.00	13,607.51	7,730.00	81.94	100.21	-90.06	-2,567.16	4,536.62	1,019.88	881.61	138.27	7.376		
13,200.00	7,730.00	13,692.49	7,730.00	82.87	100.61	-90.06	-2,667.16	4,536.28	1,019.88	879.06	140.82	7.243		
13,300.00	7,730.00	13,807.51	7,730.00	83.86	101.20	-90.06	-2,767.15	4,535.94	1,019.88	876.07	143.81	7.092		
13,400.00	7,730.00	13,907.51	7,730.00	84.90	101.75	-90.06	-2,867.15	4,535.60	1,019.88	873.25	146.63	6.956		
13,500.00	7,730.00	13,992.49	7,730.00	85.97	102.25	-90.06	-2,967.15	4,535.26	1,019.88	870.61	149.26	6.833		
13,600.00	7,730.00	14,107.51	7,730.00	87.09	102.98	-90.06	-3,067.15	4,534.93	1,019.88	867.52	152.35	6.694		
13,700.00	7,730.00	14,207.51	7,730.00	88.25	103.65	-90.06	-3,167.15	4,534.59	1,019.88	864.62	155.26	6.569		
13,800.00	7,730.00	14,307.51	7,730.00	89.44	104.37	-90.06	-3,267.15	4,534.25	1,019.88	861.69	158.19	6.447		
13,900.00	7,730.00	14,407.51	7,730.00	90.66	105.13	-90.06	-3,367.15	4,533.91	1,019.87	858.73	161.14	6.329		
14,000.00	7,730.00	14,507.51	7,730.00	91.92	105.93	-90.06	-3,467.15	4,533.57	1,019.87	855.75	164.12	6.214		
14,100.00	7,730.00	14,607.51	7,730.00	93.20	106.76	-90.06	-3,567.15	4,533.23	1,019.87	852.75	167.12	6.103		
14,200.00	7,730.00	14,692.49	7,730.00	94.50	107.50	-90.06	-3,667.15	4,532.89	1,019.87	849.96	169.92	6.002		
14,300.00	7,730.00	14,807.51	7,730.00	95.83	108.55	-90.06	-3,767.15	4,532.56	1,019.87	846.69	173.18	5.889		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1J-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,400.00	7,730.00	14,907.51	7,730.00	97.17	109.50	-90.06	-3,867.15	4,532.22	1,019.87	843.63	176.24	5.787		
14,500.00	7,730.00	15,007.51	7,730.00	98.54	110.49	-90.06	-3,967.15	4,531.88	1,019.87	840.56	179.31	5.688		
14,600.00	7,730.00	15,107.51	7,730.00	99.92	111.51	-90.06	-4,067.15	4,531.54	1,019.87	837.46	182.40	5.591		
14,700.00	7,730.00	15,207.51	7,730.00	101.32	112.57	-90.06	-4,167.15	4,531.20	1,019.87	834.35	185.51	5.498		
14,800.00	7,730.00	15,307.51	7,730.00	102.74	113.65	-90.06	-4,267.15	4,530.86	1,019.87	831.23	188.63	5.407		
14,900.00	7,730.00	15,407.51	7,730.00	104.17	114.77	-90.06	-4,367.15	4,530.52	1,019.86	828.09	191.77	5.318		
15,000.00	7,730.00	15,507.51	7,730.00	105.62	115.91	-90.06	-4,467.14	4,530.19	1,019.86	824.94	194.92	5.232		
15,100.00	7,730.00	15,607.51	7,730.00	107.07	117.08	-90.06	-4,567.14	4,529.85	1,019.86	821.78	198.09	5.149		
15,200.00	7,730.00	15,692.49	7,730.00	108.54	118.10	-90.06	-4,667.14	4,529.51	1,019.86	818.84	201.02	5.073		
15,300.00	7,730.00	15,807.51	7,730.00	110.02	119.50	-90.06	-4,767.14	4,529.17	1,019.86	815.41	204.45	4.988		
15,400.00	7,730.00	15,907.51	7,730.00	111.51	120.74	-90.06	-4,867.14	4,528.83	1,019.86	812.21	207.65	4.911		
15,500.00	7,730.00	16,007.51	7,730.00	113.01	122.01	-90.06	-4,967.14	4,528.49	1,019.86	809.00	210.86	4.837		
15,600.00	7,730.00	16,092.49	7,730.00	114.52	123.10	-90.06	-5,067.14	4,528.15	1,019.86	806.02	213.84	4.769		
15,700.00	7,730.00	16,207.51	7,730.00	116.04	124.60	-90.06	-5,167.14	4,527.82	1,019.86	802.55	217.31	4.693		
15,800.00	7,730.00	16,307.51	7,730.00	117.56	125.92	-90.06	-5,267.14	4,527.48	1,019.86	799.31	220.55	4.624		
15,900.00	7,730.00	16,407.51	7,730.00	119.09	127.26	-90.06	-5,367.14	4,527.14	1,019.86	796.06	223.79	4.557		
16,000.00	7,730.00	16,507.51	7,730.00	120.63	128.62	-90.06	-5,467.14	4,526.80	1,019.85	792.80	227.05	4.492		
16,100.00	7,730.00	16,607.51	7,730.00	122.18	129.99	-90.06	-5,567.14	4,526.46	1,019.85	789.54	230.31	4.428		
16,200.00	7,730.00	16,692.49	7,730.00	123.73	131.17	-90.06	-5,667.14	4,526.12	1,019.85	786.51	233.34	4.371		
16,300.00	7,730.00	16,807.51	7,730.00	125.29	132.78	-90.06	-5,767.14	4,525.78	1,019.85	782.98	236.87	4.306		
16,400.00	7,730.00	16,892.49	7,730.00	126.86	133.98	-90.06	-5,867.14	4,525.44	1,019.85	779.94	239.91	4.251		
16,500.00	7,730.00	17,007.51	7,730.00	128.43	135.62	-90.06	-5,967.14	4,525.11	1,019.85	776.40	243.45	4.189		
16,600.00	7,730.00	17,107.51	7,730.00	130.01	137.06	-90.06	-6,067.14	4,524.77	1,019.85	773.10	246.75	4.133		
16,700.00	7,730.00	17,192.49	7,730.00	131.59	138.29	-90.06	-6,167.14	4,524.43	1,019.85	770.04	249.81	4.083		
16,800.00	7,730.00	17,307.51	7,730.00	133.18	139.96	-90.06	-6,267.13	4,524.09	1,019.85	766.48	253.37	4.025		
16,900.00	7,730.00	17,407.51	7,730.00	134.77	141.43	-90.06	-6,367.13	4,523.75	1,019.85	763.16	256.69	3.973		
17,000.00	7,730.00	17,492.49	7,730.00	136.37	142.69	-90.06	-6,467.13	4,523.41	1,019.84	760.08	259.77	3.926		
17,100.00	7,730.00	17,607.51	7,730.00	137.97	144.40	-90.06	-6,567.13	4,523.07	1,019.84	756.50	263.34	3.873		
17,200.00	7,730.00	17,707.51	7,730.00	139.57	145.89	-90.06	-6,667.13	4,522.74	1,019.84	753.16	266.68	3.824		
17,300.00	7,730.00	17,807.51	7,730.00	141.18	147.39	-90.06	-6,767.13	4,522.40	1,019.84	749.82	270.02	3.777		
17,400.00	7,730.00	17,907.51	7,730.00	142.79	148.91	-90.06	-6,867.13	4,522.06	1,019.84	746.47	273.37	3.731		
17,500.00	7,730.00	17,992.49	7,730.00	144.41	150.20	-90.06	-6,967.13	4,521.72	1,019.84	743.37	276.47	3.689		
17,600.00	7,730.00	18,107.51	7,730.00	146.03	151.95	-90.06	-7,067.13	4,521.38	1,019.84	739.77	280.07	3.641		
17,700.00	7,730.00	18,207.51	7,730.00	147.65	153.48	-90.06	-7,167.13	4,521.04	1,019.84	736.41	283.43	3.598		
17,800.00	7,730.00	18,292.49	7,730.00	149.28	154.79	-90.06	-7,267.13	4,520.70	1,019.84	733.29	286.54	3.559		
17,900.00	7,730.00	18,407.51	7,730.00	150.91	156.56	-90.06	-7,367.13	4,520.37	1,019.84	729.67	290.16	3.515		
18,000.00	7,730.00	18,507.51	7,730.00	152.54	158.11	-90.06	-7,467.13	4,520.03	1,019.84	726.30	293.53	3.474		
18,100.00	7,730.00	18,607.51	7,730.00	154.18	159.67	-90.06	-7,567.13	4,519.69	1,019.83	722.93	296.91	3.435		
18,200.00	7,730.00	18,692.49	7,730.00	155.82	161.00	-90.06	-7,667.13	4,519.35	1,019.83	719.80	300.03	3.399		
18,300.00	7,730.00	18,807.51	7,730.00	157.46	162.80	-90.06	-7,767.13	4,519.01	1,019.83	716.16	303.67	3.358		
18,400.00	7,730.00	18,907.51	7,730.00	159.11	164.37	-90.06	-7,867.13	4,518.67	1,019.83	712.78	307.05	3.321		
18,500.00	7,730.00	19,007.51	7,730.00	160.75	165.95	-90.06	-7,967.12	4,518.33	1,019.83	709.39	310.44	3.285		
18,600.00	7,730.00	19,092.49	7,730.00	162.40	167.29	-90.06	-8,067.12	4,518.00	1,019.83	706.25	313.58	3.252		
18,700.00	7,730.00	19,207.51	7,730.00	164.05	169.11	-90.06	-8,167.12	4,517.66	1,019.83	702.60	317.23	3.215		
18,800.00	7,730.00	19,307.51	7,730.00	165.71	170.70	-90.06	-8,267.12	4,517.32	1,019.83	699.20	320.63	3.181		
18,900.00	7,730.00	19,392.49	7,730.00	167.36	172.05	-90.06	-8,367.12	4,516.98	1,019.83	696.05	323.78	3.150		
18,939.59	7,730.00	19,432.08	7,730.00	168.02	172.69	-90.06	-8,406.71	4,516.85	1,019.83	694.70	325.12	3.137		
18,942.39	7,730.00	19,430.54	7,730.00	168.07	172.66	-90.06	-8,405.17	4,516.85	1,019.84	694.31	325.53	3.133 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1K-22H-H168 - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	0.00	0.00	90.52	-0.36	40.04	40.04				
100.00	100.00	101.00	99.00	0.13	0.14	90.52	-0.36	40.04	40.04	39.77	0.27	146.976	
200.00	200.00	201.00	199.00	0.49	0.50	90.52	-0.36	40.04	40.04	39.05	0.99	40.472	
300.00	300.00	301.00	299.00	0.85	0.85	90.52	-0.36	40.04	40.04	38.34	1.71	23.467	
400.00	400.00	399.00	399.00	1.21	1.21	90.52	-0.36	40.04	40.04	37.63	2.42	16.573	CC, ES
500.00	500.00	497.71	497.69	1.57	1.56	89.59	0.29	41.57	41.59	38.47	3.12	13.311	
600.00	600.00	596.18	596.03	1.93	1.91	87.16	2.29	46.21	46.36	42.53	3.83	12.106	
700.00	700.00	694.19	693.67	2.29	2.26	84.07	5.60	53.90	54.46	49.92	4.53	12.017	
800.00	800.00	791.51	790.29	2.64	2.63	81.03	10.19	64.58	65.95	60.73	5.23	12.614	
900.00	899.98	888.19	885.83	3.00	3.02	19.13	16.03	78.16	79.24	73.32	5.91	13.404	
1,000.00	999.84	984.44	980.40	3.35	3.43	17.74	23.11	94.62	92.59	86.01	6.58	14.066	
1,100.00	1,099.45	1,080.27	1,073.90	3.71	3.87	16.93	31.40	113.89	105.94	98.69	7.25	14.608	
1,200.00	1,198.70	1,175.68	1,166.24	4.08	4.34	16.49	40.88	135.92	119.26	111.34	7.92	15.063	
1,300.00	1,297.47	1,270.68	1,257.34	4.47	4.84	16.32	51.52	160.65	132.51	123.92	8.59	15.429	
1,400.00	1,395.62	1,365.28	1,347.12	4.87	5.39	16.33	63.29	188.02	145.67	136.41	9.26	15.730	
1,500.00	1,493.06	1,459.48	1,435.50	5.31	5.98	16.48	76.17	217.97	158.74	148.80	9.94	15.973	
1,600.00	1,589.64	1,553.30	1,522.40	5.77	6.62	16.74	90.14	250.43	171.70	161.08	10.62	16.162	
1,700.00	1,685.27	1,646.75	1,607.77	6.28	7.31	17.08	105.16	285.34	184.54	173.22	11.32	16.303	
1,800.00	1,779.82	1,739.83	1,691.52	6.83	8.05	17.49	121.20	322.64	197.27	185.24	12.03	16.396	
1,900.00	1,873.17	1,832.55	1,773.59	7.43	8.84	17.95	138.25	362.27	209.86	197.10	12.76	16.444	
2,000.00	1,965.21	1,924.92	1,853.92	8.08	9.69	18.45	156.26	404.15	222.33	208.81	13.52	16.448	
2,100.00	2,055.84	2,016.96	1,932.46	8.79	10.59	18.99	175.22	448.22	234.65	220.35	14.30	16.409	
2,200.00	2,144.94	2,108.67	2,009.15	9.56	11.54	19.56	195.09	494.41	246.84	231.72	15.12	16.326	
2,300.00	2,232.39	2,200.06	2,083.93	10.39	12.56	20.16	215.85	542.67	258.88	242.90	15.98	16.200	
2,400.00	2,318.11	2,291.14	2,156.75	11.30	13.63	20.78	237.46	592.92	270.77	253.88	16.89	16.031	
2,504.60	2,405.78	2,386.09	2,230.78	12.31	14.81	21.44	260.96	647.54	283.05	265.15	17.90	15.812	
2,600.00	2,484.79	2,477.30	2,300.35	13.28	16.00	22.10	284.27	701.72	295.09	276.09	19.00	15.532	
2,700.00	2,567.60	2,576.41	2,375.80	14.32	17.31	22.74	309.66	760.76	307.98	287.70	20.28	15.184	
2,800.00	2,650.41	2,675.52	2,451.24	15.37	18.63	23.34	335.06	819.79	320.91	299.30	21.60	14.856	
2,900.00	2,733.23	2,774.63	2,526.69	16.44	19.96	23.89	360.45	878.83	333.86	310.91	22.95	14.548	
3,000.00	2,816.04	2,873.74	2,602.14	17.52	21.30	24.39	385.85	937.86	346.85	322.53	24.33	14.259	
3,100.00	2,898.85	2,972.85	2,677.59	18.60	22.64	24.86	411.24	996.90	359.86	334.14	25.72	13.989	
3,200.00	2,981.67	3,071.95	2,753.03	19.69	23.99	25.30	436.64	1,055.94	372.90	345.75	27.15	13.737	
3,300.00	3,064.48	3,171.06	2,828.48	20.79	25.35	25.71	462.03	1,114.97	385.95	357.36	28.58	13.502	
3,400.00	3,147.30	3,270.17	2,903.93	21.90	26.71	26.09	487.43	1,174.01	399.02	368.98	30.04	13.283	
3,500.00	3,230.11	3,369.28	2,979.38	23.00	28.07	26.45	512.82	1,233.04	412.11	380.60	31.51	13.077	
3,600.00	3,312.92	3,468.39	3,054.82	24.12	29.43	26.78	538.22	1,292.08	425.21	392.21	33.00	12.886	
3,700.00	3,395.74	3,567.50	3,130.27	25.23	30.80	27.10	563.61	1,351.12	438.33	403.83	34.50	12.706	
3,800.00	3,478.55	3,666.60	3,205.72	26.35	32.17	27.39	589.01	1,410.15	451.46	415.45	36.01	12.538	
3,900.00	3,561.36	3,765.71	3,281.16	27.47	33.54	27.67	614.40	1,469.19	464.59	427.07	37.53	12.381	
4,000.00	3,644.18	3,864.82	3,356.61	28.59	34.91	27.94	639.80	1,528.22	477.74	438.69	39.05	12.233	
4,100.00	3,726.99	3,963.93	3,432.06	29.72	36.29	28.19	665.19	1,587.26	490.90	450.31	40.59	12.094	
4,200.00	3,809.81	4,063.04	3,507.51	30.85	37.66	28.43	690.59	1,646.30	504.07	461.93	42.14	11.963	
4,300.00	3,892.62	4,162.14	3,582.95	31.98	39.04	28.65	715.98	1,705.33	517.25	473.56	43.69	11.839	
4,400.00	3,975.43	4,261.25	3,658.40	33.11	40.42	28.87	741.38	1,764.37	530.43	485.18	45.25	11.723	
4,500.00	4,058.25	4,360.36	3,733.85	34.24	41.80	29.07	766.77	1,823.40	543.62	496.81	46.81	11.613	
4,600.00	4,141.06	4,459.47	3,809.30	35.37	43.18	29.26	792.17	1,882.44	556.82	508.43	48.38	11.508	
4,700.00	4,223.87	4,558.58	3,884.74	36.50	44.56	29.45	817.56	1,941.48	570.02	520.06	49.96	11.410	
4,800.00	4,306.69	4,657.69	3,960.19	37.64	45.94	29.62	842.96	2,000.51	583.23	531.69	51.54	11.316	
4,900.00	4,389.50	4,756.79	4,035.64	38.77	47.32	29.79	868.35	2,059.55	596.44	543.32	53.13	11.227	
5,000.00	4,472.32	4,855.90	4,111.08	39.91	48.70	29.95	893.75	2,118.58	609.66	554.95	54.71	11.142	
5,100.00	4,555.13	4,955.01	4,186.53	41.05	50.09	30.11	919.14	2,177.62	622.88	566.58	56.31	11.062	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1K-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	5,054.12	4,261.98	42.18	51.47	30.26	944.54	2,236.65	636.11	578.21	57.90	10.985		
5,300.00	4,720.76	5,153.23	4,337.43	43.32	52.85	30.40	969.93	2,295.69	649.34	589.84	59.51	10.912		
5,400.00	4,803.57	5,252.33	4,412.87	44.46	54.24	30.54	995.33	2,354.73	662.58	601.47	61.11	10.843		
5,500.00	4,886.39	5,351.44	4,488.32	45.60	55.62	30.67	1,020.72	2,413.76	675.82	613.10	62.71	10.776		
5,600.00	4,969.20	5,450.55	4,563.77	46.74	57.01	30.79	1,046.12	2,472.80	689.06	624.73	64.32	10.712		
5,700.00	5,052.01	5,549.66	4,639.22	47.88	58.39	30.92	1,071.51	2,531.83	702.30	636.37	65.94	10.651		
5,800.00	5,134.83	5,648.77	4,714.66	49.02	59.78	31.03	1,096.91	2,590.87	715.55	648.00	67.55	10.593		
5,900.00	5,217.64	5,747.88	4,790.11	50.16	61.16	31.14	1,122.30	2,649.91	728.80	659.64	69.17	10.537		
6,000.00	5,300.45	5,846.98	4,865.56	51.30	62.55	31.25	1,147.70	2,708.94	742.06	671.27	70.78	10.483		
6,100.00	5,383.27	5,946.09	4,941.00	52.45	63.94	31.36	1,173.09	2,767.98	755.31	682.91	72.41	10.432		
6,200.00	5,466.08	6,045.20	5,016.45	53.59	65.32	31.46	1,198.49	2,827.01	768.57	694.54	74.03	10.382		
6,300.00	5,548.90	6,144.31	5,091.90	54.73	66.71	31.56	1,223.88	2,886.05	781.83	706.18	75.65	10.335		
6,400.00	5,631.71	6,243.42	5,167.35	55.87	68.10	31.65	1,249.28	2,945.09	795.09	717.82	77.28	10.289		
6,500.00	5,714.52	6,342.52	5,242.79	57.02	69.48	31.74	1,274.67	3,004.12	808.36	729.45	78.91	10.245		
6,600.00	5,797.34	6,441.63	5,318.24	58.16	70.87	31.83	1,300.07	3,063.16	821.63	741.09	80.54	10.202		
6,700.00	5,880.15	6,540.74	5,393.69	59.30	72.26	31.92	1,325.46	3,122.19	834.90	752.73	82.17	10.161		
6,800.00	5,962.96	6,639.85	5,469.14	60.45	73.65	32.00	1,350.86	3,181.23	848.17	764.37	83.80	10.121		
6,900.00	6,045.78	6,738.96	5,544.58	61.59	75.04	32.08	1,376.25	3,240.26	861.44	776.01	85.43	10.083		
7,000.00	6,128.59	6,838.07	5,620.03	62.73	76.42	32.16	1,401.65	3,299.30	874.71	787.65	87.07	10.046		
7,100.00	6,211.41	6,937.17	5,695.48	63.88	77.81	32.23	1,427.04	3,358.34	887.99	799.29	88.70	10.011		
7,200.00	6,294.22	7,036.28	5,770.92	65.02	79.20	32.31	1,452.44	3,417.37	901.27	810.92	90.34	9.976		
7,300.00	6,377.03	7,135.39	5,846.37	66.17	80.59	32.38	1,477.83	3,476.41	914.54	822.56	91.98	9.943		
7,400.00	6,459.85	7,234.50	5,921.82	67.31	81.98	32.45	1,503.23	3,535.44	927.82	834.20	93.62	9.911		
7,500.00	6,542.66	7,333.61	5,997.27	68.46	83.37	32.52	1,528.62	3,594.48	941.10	845.85	95.26	9.879		
7,600.00	6,625.48	7,432.71	6,072.71	69.60	84.76	32.58	1,554.02	3,653.52	954.39	857.49	96.90	9.849		
7,700.00	6,708.29	7,531.82	6,148.16	70.75	86.14	32.64	1,579.41	3,712.55	967.67	869.13	98.54	9.820		
7,800.00	6,791.10	7,630.93	6,223.61	71.89	87.53	32.71	1,604.81	3,771.59	980.95	880.77	100.19	9.791		
7,900.00	6,873.92	7,730.04	6,299.06	73.04	88.92	32.77	1,630.20	3,830.62	994.24	892.41	101.83	9.764		
8,000.00	6,956.73	7,829.15	6,374.50	74.18	90.31	32.83	1,655.60	3,889.66	1,007.53	904.05	103.47	9.737		
8,100.00	7,039.54	7,928.26	6,449.95	75.33	91.70	32.88	1,680.99	3,948.70	1,020.81	915.69	105.12	9.711		
8,165.32	7,093.63	7,992.99	6,499.23	76.08	92.61	32.92	1,697.58	3,987.26	1,029.49	923.30	106.20	9.694		
8,200.00	7,122.60	8,027.37	6,525.40	76.47	93.09	28.51	1,706.39	4,007.73	1,033.98	927.31	106.67	9.694		
8,250.00	7,165.05	8,076.77	6,563.01	77.01	93.78	21.19	1,719.05	4,037.16	1,039.99	933.00	106.99	9.721		
8,300.00	7,208.03	8,125.65	6,600.22	77.52	94.47	12.96	1,731.57	4,066.28	1,045.47	938.58	106.89	9.781		
8,350.00	7,251.22	8,173.63	6,636.74	77.99	95.14	4.21	1,743.86	4,094.86	1,050.50	944.13	106.37	9.876		
8,400.00	7,294.28	8,220.35	6,672.31	78.41	95.80	-4.60	1,755.83	4,122.69	1,055.19	949.75	105.44	10.007		
8,450.00	7,336.90	8,265.45	6,706.64	78.78	96.43	-13.03	1,767.39	4,149.55	1,059.70	955.57	104.13	10.176		
8,500.00	7,378.73	8,308.58	6,739.48	79.10	97.03	-20.77	1,778.44	4,175.25	1,064.22	961.74	102.48	10.385		
8,550.00	7,419.47	8,349.43	6,770.57	79.37	97.61	-27.67	1,788.91	4,199.58	1,068.97	968.45	100.52	10.634		
8,600.00	7,458.81	8,387.67	6,799.69	79.59	98.14	-33.66	1,798.71	4,222.36	1,074.21	975.86	98.34	10.923		
8,650.00	7,496.44	8,423.03	6,826.60	79.76	98.64	-38.77	1,807.77	4,243.42	1,080.16	984.14	96.02	11.250		
8,700.00	7,532.08	8,455.22	6,851.11	79.88	99.09	-43.04	1,816.02	4,262.59	1,087.07	993.42	93.64	11.608		
8,750.00	7,565.46	8,484.01	6,873.02	79.95	99.49	-46.50	1,823.39	4,279.74	1,095.15	1,003.81	91.34	11.990		
8,800.00	7,596.33	8,509.17	6,892.18	79.98	99.85	-49.20	1,829.84	4,294.73	1,104.60	1,015.38	89.23	12.380		
8,850.00	7,624.44	8,530.52	6,908.43	79.97	100.15	-51.16	1,835.31	4,307.45	1,115.56	1,028.14	87.42	12.761		
8,900.00	7,649.59	8,547.88	6,921.65	79.93	100.39	-52.42	1,839.76	4,317.79	1,128.12	1,042.10	86.02	13.115		
8,950.00	7,671.59	8,561.14	6,931.74	79.84	100.58	-52.98	1,843.16	4,325.69	1,142.33	1,057.21	85.12	13.421		
9,000.00	7,690.26	8,570.18	6,938.62	79.73	100.70	-52.88	1,845.47	4,331.07	1,158.15	1,073.39	84.75	13.665		
9,050.00	7,705.47	8,574.95	6,942.25	79.59	100.77	-52.13	1,846.69	4,333.91	1,175.50	1,090.57	84.93	13.840		
9,100.00	7,717.09	8,575.39	6,942.59	79.43	100.78	-50.77	1,846.81	4,334.18	1,194.24	1,108.62	85.63	13.947		
9,150.00	7,725.04	8,571.52	6,939.64	79.26	100.72	-48.84	1,845.82	4,331.87	1,214.17	1,127.40	86.77	13.994		
9,200.00	7,729.27	8,563.35	6,933.42	79.06	100.61	-46.39	1,843.72	4,327.00	1,235.04	1,146.77	88.27	13.991		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1K-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	8,556.12	6,927.92	78.93	100.51	-44.64	1,841.87	4,322.70	1,248.39	1,159.04	89.35	13.972		
9,300.00	7,730.00	8,538.34	6,914.38	78.65	100.26	-43.77	1,837.31	4,312.10	1,279.53	1,187.47	92.06	13.899		
9,400.00	7,730.00	8,512.51	6,894.72	78.26	99.89	-42.52	1,830.70	4,296.72	1,329.39	1,232.84	96.55	13.769		
9,500.00	7,730.00	10,082.01	7,630.00	77.89	107.43	-85.77	1,031.76	4,868.53	1,343.29	1,249.79	93.50	14.367		
9,600.00	7,730.00	10,182.01	7,630.00	77.53	107.15	-85.77	931.76	4,868.20	1,343.29	1,250.44	92.85	14.467		
9,700.00	7,730.00	10,282.01	7,630.00	77.19	106.89	-85.77	831.76	4,867.86	1,343.29	1,250.96	92.34	14.548		
9,800.00	7,730.00	10,382.01	7,630.00	76.88	106.63	-85.77	731.76	4,867.52	1,343.30	1,251.34	91.95	14.608		
9,900.00	7,730.00	10,482.01	7,630.00	76.58	106.40	-85.77	631.76	4,867.18	1,343.30	1,251.59	91.70	14.648		
10,000.00	7,730.00	10,582.01	7,630.00	76.30	106.17	-85.77	531.76	4,866.85	1,343.30	1,251.71	91.59	14.666		
10,100.00	7,730.00	10,682.01	7,630.00	76.04	105.96	-85.77	431.76	4,866.51	1,343.30	1,251.68	91.61	14.663		
10,200.00	7,730.00	10,782.01	7,630.00	75.79	105.76	-85.77	331.77	4,866.17	1,343.30	1,251.53	91.77	14.637		
10,300.00	7,730.00	10,882.01	7,630.00	75.57	105.57	-85.77	231.77	4,865.84	1,343.30	1,251.23	92.06	14.591		
10,400.00	7,730.00	10,982.01	7,630.00	75.36	105.40	-85.77	131.77	4,865.50	1,343.30	1,250.81	92.49	14.523		
10,500.00	7,730.00	11,082.01	7,630.00	75.18	105.24	-85.77	31.77	4,865.16	1,343.30	1,250.25	93.05	14.436		
10,600.00	7,730.00	11,182.01	7,630.00	75.01	105.09	-85.77	-68.23	4,864.82	1,343.30	1,249.56	93.74	14.330		
10,700.00	7,730.00	11,282.01	7,630.00	74.86	104.96	-85.77	-168.23	4,864.49	1,343.30	1,248.74	94.56	14.206		
10,800.00	7,730.00	11,382.01	7,630.00	74.74	104.84	-85.77	-268.23	4,864.15	1,343.30	1,247.80	95.50	14.066		
10,900.00	7,730.00	11,482.01	7,630.00	74.64	104.73	-85.77	-368.23	4,863.81	1,343.30	1,246.75	96.56	13.912		
11,000.00	7,730.00	11,582.01	7,630.00	74.56	104.64	-85.77	-468.23	4,863.48	1,343.30	1,245.57	97.73	13.745		
11,100.00	7,730.00	11,682.01	7,630.00	74.51	104.57	-85.77	-568.23	4,863.14	1,343.30	1,244.28	99.02	13.566		
11,200.00	7,730.00	11,782.01	7,630.00	74.48	104.51	-85.77	-668.23	4,862.80	1,343.30	1,242.89	100.41	13.378		
11,300.00	7,730.00	11,882.01	7,630.00	74.48	104.46	-85.77	-768.23	4,862.46	1,343.30	1,241.39	101.91	13.181		
11,400.00	7,730.00	11,982.01	7,630.00	74.50	104.43	-85.77	-868.23	4,862.13	1,343.30	1,239.80	103.51	12.978		
11,500.00	7,730.00	12,082.01	7,630.00	74.56	104.42	-85.77	-968.23	4,861.79	1,343.30	1,238.11	105.20	12.769		
11,600.00	7,730.00	12,182.01	7,630.00	74.66	104.42	-85.77	-1,068.23	4,861.45	1,343.31	1,236.33	106.98	12.557		
11,700.00	7,730.00	12,282.01	7,630.00	74.79	104.44	-85.77	-1,168.23	4,861.12	1,343.31	1,234.46	108.84	12.342		
11,800.00	7,730.00	12,382.01	7,630.00	74.96	104.48	-85.77	-1,268.23	4,860.78	1,343.31	1,232.52	110.79	12.125		
11,900.00	7,730.00	12,482.01	7,630.00	75.17	104.53	-85.77	-1,368.22	4,860.44	1,343.31	1,230.50	112.81	11.908		
12,000.00	7,730.00	12,582.01	7,630.00	75.43	104.61	-85.77	-1,468.22	4,860.11	1,343.31	1,228.40	114.91	11.691		
12,100.00	7,730.00	12,682.01	7,630.00	75.73	104.71	-85.77	-1,568.22	4,859.77	1,343.31	1,226.24	117.07	11.474		
12,200.00	7,730.00	12,782.01	7,630.00	76.09	104.82	-85.77	-1,668.22	4,859.43	1,343.31	1,224.01	119.30	11.260		
12,300.00	7,730.00	12,882.01	7,630.00	76.51	104.96	-85.77	-1,768.22	4,859.09	1,343.31	1,221.72	121.59	11.048		
12,400.00	7,730.00	12,982.01	7,630.00	76.97	105.12	-85.77	-1,868.22	4,858.76	1,343.31	1,219.37	123.94	10.839		
12,500.00	7,730.00	13,082.01	7,630.00	77.50	105.31	-85.77	-1,968.22	4,858.42	1,343.31	1,216.97	126.34	10.633		
12,600.00	7,730.00	13,182.01	7,630.00	78.09	105.52	-85.77	-2,068.22	4,858.08	1,343.31	1,214.52	128.79	10.430		
12,700.00	7,730.00	13,282.01	7,630.00	78.74	105.75	-85.77	-2,168.22	4,857.75	1,343.31	1,212.01	131.30	10.231		
12,800.00	7,730.00	13,382.01	7,630.00	79.45	106.01	-85.77	-2,268.22	4,857.41	1,343.31	1,209.47	133.85	10.036		
12,900.00	7,730.00	13,482.01	7,630.00	80.22	106.30	-85.77	-2,368.22	4,857.07	1,343.31	1,206.87	136.44	9.846		
13,000.00	7,730.00	13,582.01	7,630.00	81.05	106.62	-85.77	-2,468.22	4,856.73	1,343.31	1,204.24	139.07	9.659		
13,100.00	7,730.00	13,682.01	7,630.00	81.94	106.97	-85.77	-2,568.22	4,856.40	1,343.31	1,201.57	141.75	9.477		
13,200.00	7,730.00	13,782.01	7,630.00	82.87	107.34	-85.77	-2,668.22	4,856.06	1,343.31	1,198.86	144.45	9.299		
13,300.00	7,730.00	13,882.01	7,630.00	83.86	107.76	-85.77	-2,768.22	4,855.72	1,343.31	1,196.12	147.20	9.126		
13,400.00	7,730.00	13,982.01	7,630.00	84.90	108.20	-85.77	-2,868.22	4,855.39	1,343.32	1,193.34	149.97	8.957		
13,500.00	7,730.00	14,082.01	7,630.00	85.97	108.68	-85.77	-2,968.22	4,855.05	1,343.32	1,190.53	152.78	8.792		
13,600.00	7,730.00	14,182.01	7,630.00	87.09	109.19	-85.77	-3,068.22	4,854.71	1,343.32	1,187.70	155.62	8.632		
13,700.00	7,730.00	14,282.01	7,630.00	88.25	109.74	-85.77	-3,168.21	4,854.37	1,343.32	1,184.83	158.48	8.476		
13,800.00	7,730.00	14,382.01	7,630.00	89.44	110.32	-85.77	-3,268.21	4,854.04	1,343.32	1,181.94	161.37	8.324		
13,900.00	7,730.00	14,482.01	7,630.00	90.66	110.94	-85.77	-3,368.21	4,853.70	1,343.32	1,179.03	164.29	8.177		
14,000.00	7,730.00	14,582.01	7,630.00	91.92	111.60	-85.77	-3,468.21	4,853.36	1,343.32	1,176.09	167.23	8.033		
14,100.00	7,730.00	14,682.01	7,630.00	93.20	112.30	-85.77	-3,568.21	4,853.03	1,343.32	1,173.13	170.19	7.893		
14,200.00	7,730.00	14,782.01	7,630.00	94.50	113.03	-85.77	-3,668.21	4,852.69	1,343.32	1,170.15	173.17	7.757		
14,300.00	7,730.00	14,882.01	7,630.00	95.83	113.80	-85.77	-3,768.21	4,852.35	1,343.32	1,167.15	176.17	7.625		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1K-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,400.00	7,730.00	14,982.01	7,630.00	97.17	114.60	-85.77	-3,868.21	4,852.01	1,343.32	1,164.12	179.20	7.496		
14,500.00	7,730.00	15,082.01	7,630.00	98.54	115.44	-85.77	-3,968.21	4,851.68	1,343.32	1,161.09	182.24	7.371		
14,600.00	7,730.00	15,182.01	7,630.00	99.92	116.32	-85.77	-4,068.21	4,851.34	1,343.32	1,158.03	185.29	7.250		
14,700.00	7,730.00	15,282.01	7,630.00	101.32	117.23	-85.77	-4,168.21	4,851.00	1,343.32	1,154.96	188.37	7.131		
14,800.00	7,730.00	15,382.01	7,630.00	102.74	118.18	-85.77	-4,268.21	4,850.67	1,343.32	1,151.87	191.46	7.016		
14,900.00	7,730.00	15,482.01	7,630.00	104.17	119.16	-85.77	-4,368.21	4,850.33	1,343.32	1,148.76	194.56	6.904		
15,000.00	7,730.00	15,582.01	7,630.00	105.62	120.17	-85.77	-4,468.21	4,849.99	1,343.32	1,145.65	197.68	6.796		
15,100.00	7,730.00	15,682.01	7,630.00	107.07	121.21	-85.77	-4,568.21	4,849.65	1,343.33	1,142.52	200.81	6.690		
15,200.00	7,730.00	15,782.01	7,630.00	108.54	122.28	-85.77	-4,668.21	4,849.32	1,343.33	1,139.37	203.95	6.586		
15,300.00	7,730.00	15,882.01	7,630.00	110.02	123.38	-85.77	-4,768.21	4,848.98	1,343.33	1,136.22	207.11	6.486		
15,400.00	7,730.00	15,982.01	7,630.00	111.51	124.51	-85.77	-4,868.21	4,848.64	1,343.33	1,133.05	210.28	6.388		
15,500.00	7,730.00	16,082.01	7,630.00	113.01	125.66	-85.77	-4,968.20	4,848.31	1,343.33	1,129.87	213.46	6.293		
15,600.00	7,730.00	16,182.01	7,630.00	114.52	126.84	-85.77	-5,068.20	4,847.97	1,343.33	1,126.68	216.65	6.200		
15,700.00	7,730.00	16,282.01	7,630.00	116.04	128.04	-85.77	-5,168.20	4,847.63	1,343.33	1,123.48	219.85	6.110		
15,800.00	7,730.00	16,382.01	7,630.00	117.56	129.26	-85.77	-5,268.20	4,847.30	1,343.33	1,120.27	223.06	6.022		
15,900.00	7,730.00	16,482.01	7,630.00	119.09	130.50	-85.77	-5,368.20	4,846.96	1,343.33	1,117.05	226.28	5.937		
16,000.00	7,730.00	16,582.01	7,630.00	120.63	131.77	-85.77	-5,468.20	4,846.62	1,343.33	1,113.82	229.51	5.853		
16,100.00	7,730.00	16,682.01	7,630.00	122.18	133.05	-85.77	-5,568.20	4,846.28	1,343.33	1,110.58	232.75	5.772		
16,200.00	7,730.00	16,782.01	7,630.00	123.73	134.35	-85.77	-5,668.20	4,845.95	1,343.33	1,107.34	235.99	5.692		
16,300.00	7,730.00	16,882.01	7,630.00	125.29	135.67	-85.77	-5,768.20	4,845.61	1,343.33	1,104.08	239.25	5.615		
16,400.00	7,730.00	16,982.01	7,630.00	126.86	137.01	-85.77	-5,868.20	4,845.27	1,343.33	1,100.82	242.51	5.539		
16,500.00	7,730.00	17,082.01	7,630.00	128.43	138.36	-85.77	-5,968.20	4,844.94	1,343.33	1,097.56	245.78	5.466		
16,600.00	7,730.00	17,182.01	7,630.00	130.01	139.73	-85.77	-6,068.20	4,844.60	1,343.33	1,094.28	249.05	5.394		
16,700.00	7,730.00	17,282.01	7,630.00	131.59	141.11	-85.77	-6,168.20	4,844.26	1,343.33	1,091.00	252.34	5.324		
16,800.00	7,730.00	17,382.01	7,630.00	133.18	142.50	-85.77	-6,268.20	4,843.92	1,343.33	1,087.71	255.63	5.255		
16,900.00	7,730.00	17,482.01	7,630.00	134.77	143.91	-85.77	-6,368.20	4,843.59	1,343.34	1,084.41	258.92	5.188		
17,000.00	7,730.00	17,582.01	7,630.00	136.37	145.32	-85.77	-6,468.20	4,843.25	1,343.34	1,081.11	262.22	5.123		
17,100.00	7,730.00	17,682.01	7,630.00	137.97	146.75	-85.77	-6,568.20	4,842.91	1,343.34	1,077.81	265.53	5.059		
17,200.00	7,730.00	17,782.01	7,630.00	139.57	148.19	-85.77	-6,668.19	4,842.58	1,343.34	1,074.49	268.84	4.997		
17,300.00	7,730.00	17,882.01	7,630.00	141.18	149.65	-85.77	-6,768.19	4,842.24	1,343.34	1,071.18	272.16	4.936		
17,400.00	7,730.00	17,982.01	7,630.00	142.79	151.11	-85.77	-6,868.19	4,841.90	1,343.34	1,067.85	275.48	4.876		
17,500.00	7,730.00	18,082.01	7,630.00	144.41	152.58	-85.77	-6,968.19	4,841.56	1,343.34	1,064.53	278.81	4.818		
17,600.00	7,730.00	18,182.01	7,630.00	146.03	154.05	-85.77	-7,068.19	4,841.23	1,343.34	1,061.19	282.15	4.761		
17,700.00	7,730.00	18,282.01	7,630.00	147.65	155.54	-85.77	-7,168.19	4,840.89	1,343.34	1,057.86	285.48	4.705		
17,800.00	7,730.00	18,382.01	7,630.00	149.28	157.04	-85.77	-7,268.19	4,840.55	1,343.34	1,054.51	288.83	4.651		
17,900.00	7,730.00	18,482.01	7,630.00	150.91	158.54	-85.77	-7,368.19	4,840.22	1,343.34	1,051.17	292.17	4.598		
18,000.00	7,730.00	18,582.01	7,630.00	152.54	160.05	-85.77	-7,468.19	4,839.88	1,343.34	1,047.82	295.52	4.546		
18,100.00	7,730.00	18,682.01	7,630.00	154.18	161.57	-85.77	-7,568.19	4,839.54	1,343.34	1,044.46	298.88	4.495		
18,200.00	7,730.00	18,782.01	7,630.00	155.82	163.09	-85.77	-7,668.19	4,839.20	1,343.34	1,041.10	302.24	4.445		
18,300.00	7,730.00	18,882.01	7,630.00	157.46	164.62	-85.77	-7,768.19	4,838.87	1,343.34	1,037.74	305.60	4.396		
18,400.00	7,730.00	18,982.01	7,630.00	159.11	166.16	-85.77	-7,868.19	4,838.53	1,343.34	1,034.38	308.97	4.348		
18,500.00	7,730.00	19,082.01	7,630.00	160.75	167.70	-85.77	-7,968.19	4,838.19	1,343.34	1,031.01	312.34	4.301		
18,600.00	7,730.00	19,182.01	7,630.00	162.40	169.25	-85.77	-8,068.19	4,837.86	1,343.34	1,027.64	315.71	4.255		
18,700.00	7,730.00	19,282.01	7,630.00	164.05	170.80	-85.77	-8,168.19	4,837.52	1,343.35	1,024.26	319.09	4.210		
18,800.00	7,730.00	19,382.01	7,630.00	165.71	172.36	-85.77	-8,268.19	4,837.18	1,343.35	1,020.88	322.47	4.166		
18,900.00	7,730.00	19,482.01	7,630.00	167.36	173.92	-85.77	-8,368.19	4,836.85	1,343.35	1,017.50	325.85	4.123		
18,902.42	7,730.00	19,484.43	7,630.00	167.40	173.96	-85.77	-8,370.61	4,836.84	1,343.35	1,017.42	325.93	4.122		
18,942.39	7,730.00	19,518.56	7,630.00	168.07	174.50	-85.77	-8,404.74	4,836.72	1,343.36	1,015.77	327.59	4.101 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1L-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	-1.00	0.00	0.00	90.42	-0.36	50.12	50.12					
100.00	100.00	101.00	99.00	0.13	0.14	90.42	-0.36	50.12	50.12	49.85	0.27	183.975		
200.00	200.00	201.00	199.00	0.49	0.50	90.42	-0.36	50.12	50.12	49.13	0.99	50.660		
300.00	300.00	299.00	299.00	0.85	0.85	90.42	-0.36	50.12	50.12	48.42	1.70	29.498 CC, ES		
400.00	400.00	397.39	397.37	1.21	1.20	89.72	0.25	51.66	51.68	49.28	2.41	21.466		
500.00	500.00	495.53	495.37	1.57	1.55	87.85	2.12	56.31	56.47	53.35	3.11	18.132		
600.00	600.00	593.21	592.70	1.93	1.91	85.34	5.22	64.03	64.56	60.74	3.82	16.902		
700.00	700.00	690.21	689.01	2.29	2.28	82.75	9.51	74.75	76.01	71.49	4.52	16.816		
800.00	800.00	786.32	783.99	2.64	2.67	80.39	14.97	88.34	90.85	85.63	5.21	17.423		
900.00	899.98	881.66	877.67	3.00	3.08	18.98	21.54	104.74	107.41	101.52	5.89	18.227		
1,000.00	999.84	976.48	970.21	3.35	3.52	17.87	29.23	123.91	124.01	117.45	6.56	18.901		
1,100.00	1,099.45	1,070.79	1,061.52	3.71	3.99	17.21	38.00	145.78	140.56	133.33	7.23	19.447		
1,200.00	1,198.70	1,164.60	1,151.54	4.08	4.50	16.87	47.84	170.30	157.03	149.14	7.89	19.902		
1,300.00	1,297.47	1,257.93	1,240.18	4.47	5.05	16.75	58.70	197.39	173.40	164.84	8.56	20.258		
1,400.00	1,395.62	1,350.78	1,327.38	4.87	5.64	16.79	70.57	226.98	189.63	180.40	9.23	20.544		
1,500.00	1,493.06	1,443.17	1,413.07	5.31	6.28	16.94	83.42	259.02	205.73	195.82	9.91	20.765		
1,600.00	1,589.64	1,535.11	1,497.20	5.77	6.96	17.19	97.22	293.43	221.68	211.09	10.59	20.927		
1,700.00	1,685.27	1,626.61	1,579.70	6.28	7.69	17.52	111.95	330.15	237.46	226.17	11.29	21.033		
1,800.00	1,779.82	1,717.67	1,660.52	6.83	8.48	17.90	127.57	369.10	253.08	241.08	12.00	21.087		
1,900.00	1,873.17	1,808.33	1,739.60	7.43	9.31	18.33	144.06	410.22	268.52	255.78	12.73	21.088		
2,000.00	1,965.21	1,898.57	1,816.90	8.08	10.19	18.79	161.40	453.44	283.78	270.29	13.49	21.038		
2,100.00	2,055.84	1,988.43	1,892.36	8.79	11.14	19.29	179.55	498.70	298.85	284.57	14.27	20.936		
2,200.00	2,144.94	2,077.90	1,965.95	9.56	12.13	19.82	198.50	545.93	313.72	298.63	15.09	20.784		
2,300.00	2,232.39	2,167.01	2,037.62	10.39	13.18	20.37	218.20	595.07	328.41	312.45	15.96	20.583		
2,400.00	2,318.11	2,255.76	2,107.34	11.30	14.28	20.93	238.64	646.03	342.89	326.03	16.86	20.334		
2,504.60	2,405.78	2,350.69	2,180.05	12.31	15.51	21.57	261.36	702.68	357.74	339.82	17.92	19.958		
2,600.00	2,484.79	2,445.10	2,251.78	13.28	16.77	22.32	284.21	759.65	370.64	351.51	19.13	19.374		
2,700.00	2,567.60	2,544.05	2,326.96	14.32	18.10	23.05	308.16	819.37	384.22	363.79	20.44	18.801		
2,800.00	2,650.41	2,643.01	2,402.15	15.37	19.45	23.73	332.12	879.08	397.86	376.08	21.78	18.268		
2,900.00	2,733.23	2,741.97	2,477.34	16.44	20.80	24.37	356.07	938.80	411.55	388.39	23.15	17.774		
3,000.00	2,816.04	2,840.93	2,552.52	17.52	22.15	24.96	380.02	998.52	425.29	400.72	24.56	17.315		
3,100.00	2,898.85	2,939.89	2,627.71	18.60	23.52	25.52	403.97	1,058.24	439.06	413.07	26.00	16.890		
3,200.00	2,981.67	3,038.85	2,702.89	19.69	24.88	26.04	427.92	1,117.95	452.88	425.43	27.45	16.496		
3,300.00	3,064.48	3,137.81	2,778.08	20.79	26.25	26.53	451.87	1,177.67	466.73	437.80	28.93	16.131		
3,400.00	3,147.30	3,236.76	2,853.27	21.90	27.63	27.00	475.82	1,237.39	480.62	450.18	30.43	15.792		
3,500.00	3,230.11	3,335.72	2,928.45	23.00	29.00	27.44	499.78	1,297.11	494.53	462.58	31.95	15.477		
3,600.00	3,312.92	3,434.68	3,003.64	24.12	30.38	27.85	523.73	1,356.82	508.47	474.98	33.49	15.183		
3,700.00	3,395.74	3,533.64	3,078.82	25.23	31.76	28.24	547.68	1,416.54	522.44	487.40	35.04	14.910		
3,800.00	3,478.55	3,632.60	3,154.01	26.35	33.14	28.61	571.63	1,476.26	536.42	499.82	36.61	14.654		
3,900.00	3,561.36	3,731.56	3,229.20	27.47	34.53	28.97	595.58	1,535.98	550.43	512.25	38.18	14.416		
4,000.00	3,644.18	3,830.51	3,304.38	28.59	35.91	29.30	619.53	1,595.69	564.46	524.69	39.77	14.192		
4,100.00	3,726.99	3,929.47	3,379.57	29.72	37.30	29.62	643.48	1,655.41	578.50	537.13	41.37	13.983		
4,200.00	3,809.81	4,028.43	3,454.75	30.85	38.68	29.92	667.44	1,715.13	592.57	549.58	42.98	13.786		
4,300.00	3,892.62	4,127.39	3,529.94	31.98	40.07	30.21	691.39	1,774.85	606.65	562.04	44.60	13.601		
4,400.00	3,975.43	4,226.35	3,605.13	33.11	41.46	30.49	715.34	1,834.56	620.74	574.51	46.23	13.427		
4,500.00	4,058.25	4,325.31	3,680.31	34.24	42.85	30.76	739.29	1,894.28	634.85	586.98	47.87	13.263		
4,600.00	4,141.06	4,424.27	3,755.50	35.37	44.24	31.01	763.24	1,954.00	648.96	599.46	49.51	13.108		
4,700.00	4,223.87	4,523.22	3,830.68	36.50	45.63	31.25	787.19	2,013.72	663.10	611.94	51.16	12.961		
4,800.00	4,306.69	4,622.18	3,905.87	37.64	47.03	31.48	811.14	2,073.43	677.24	624.42	52.82	12.823		
4,900.00	4,389.50	4,721.14	3,981.06	38.77	48.42	31.71	835.10	2,133.15	691.39	636.91	54.48	12.691		
5,000.00	4,472.32	4,820.10	4,056.24	39.91	49.81	31.92	859.05	2,192.87	705.55	649.41	56.15	12.567		
5,100.00	4,555.13	4,919.06	4,131.43	41.05	51.21	32.12	883.00	2,252.59	719.72	661.91	57.82	12.448		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1L-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	5,018.02	4,206.61	42.18	52.60	32.32	906.95	2,312.30	733.90	674.41	59.50	12.335		
5,300.00	4,720.76	5,116.97	4,281.80	43.32	53.99	32.51	930.90	2,372.02	748.09	686.91	61.18	12.228		
5,400.00	4,803.57	5,215.93	4,356.99	44.46	55.39	32.69	954.85	2,431.74	762.29	699.42	62.86	12.126		
5,500.00	4,886.39	5,314.89	4,432.17	45.60	56.78	32.87	978.81	2,491.46	776.49	711.94	64.56	12.028		
5,600.00	4,969.20	5,413.85	4,507.36	46.74	58.18	33.04	1,002.76	2,551.17	790.70	724.45	66.25	11.935		
5,700.00	5,052.01	5,512.81	4,582.54	47.88	59.58	33.20	1,026.71	2,610.89	804.92	736.97	67.95	11.846		
5,800.00	5,134.83	5,611.77	4,657.73	49.02	60.97	33.36	1,050.66	2,670.61	819.14	749.49	69.65	11.761		
5,900.00	5,217.64	5,710.73	4,732.92	50.16	62.37	33.51	1,074.61	2,730.33	833.37	762.02	71.35	11.680		
6,000.00	5,300.45	5,809.68	4,808.10	51.30	63.76	33.66	1,098.56	2,790.04	847.61	774.55	73.06	11.601		
6,100.00	5,383.27	5,908.64	4,883.29	52.45	65.16	33.80	1,122.51	2,849.76	861.85	787.08	74.77	11.527		
6,200.00	5,466.08	6,007.60	4,958.47	53.59	66.56	33.94	1,146.47	2,909.48	876.09	799.61	76.48	11.455		
6,300.00	5,548.90	6,106.56	5,033.66	54.73	67.95	34.08	1,170.42	2,969.20	890.34	812.14	78.20	11.386		
6,400.00	5,631.71	6,205.52	5,108.85	55.87	69.35	34.21	1,194.37	3,028.91	904.60	824.68	79.92	11.319		
6,500.00	5,714.52	6,304.48	5,184.03	57.02	70.75	34.33	1,218.32	3,088.63	918.86	837.22	81.64	11.255		
6,600.00	5,797.34	6,403.44	5,259.22	58.16	72.15	34.45	1,242.27	3,148.35	933.12	849.76	83.36	11.194		
6,700.00	5,880.15	6,502.39	5,334.40	59.30	73.54	34.57	1,266.22	3,208.06	947.39	862.30	85.08	11.135		
6,800.00	5,962.96	6,601.35	5,409.59	60.45	74.94	34.68	1,290.17	3,267.78	961.66	874.85	86.81	11.078		
6,900.00	6,045.78	6,700.31	5,484.78	61.59	76.34	34.80	1,314.13	3,327.50	975.93	887.39	88.54	11.023		
7,000.00	6,128.59	6,800.73	5,559.96	62.73	77.76	34.90	1,338.08	3,387.22	990.21	899.93	90.28	10.968		
7,100.00	6,211.41	6,898.23	5,635.15	63.88	79.14	35.01	1,362.03	3,446.93	1,004.49	912.49	92.00	10.918		
7,200.00	6,294.22	6,997.19	5,710.33	65.02	80.53	35.11	1,385.98	3,506.65	1,018.78	925.04	93.73	10.869		
7,300.00	6,377.03	7,103.86	5,785.52	66.17	82.04	35.21	1,409.93	3,566.37	1,033.06	937.53	95.53	10.814		
7,400.00	6,459.85	7,204.90	5,860.71	67.31	83.47	35.31	1,433.88	3,626.09	1,047.35	950.07	97.29	10.766		
7,500.00	6,542.66	7,294.06	5,935.89	68.46	84.73	35.40	1,457.83	3,685.80	1,061.65	962.71	98.94	10.730		
7,600.00	6,625.48	7,393.02	6,011.08	69.60	86.13	35.49	1,481.79	3,745.52	1,075.94	975.26	100.68	10.687		
7,700.00	6,708.29	7,508.02	6,086.26	70.75	87.75	35.58	1,505.74	3,805.24	1,090.24	987.69	102.56	10.631		
7,800.00	6,791.10	7,609.06	6,161.45	71.89	89.18	35.67	1,529.69	3,864.96	1,104.54	1,000.23	104.32	10.588		
7,900.00	6,873.92	7,689.90	6,236.64	73.04	90.33	35.75	1,553.64	3,924.67	1,118.85	1,012.94	105.91	10.564		
8,000.00	6,956.73	7,788.85	6,311.82	74.18	91.72	35.83	1,577.59	3,984.39	1,133.15	1,025.50	107.65	10.526		
8,100.00	7,039.54	7,887.81	6,387.01	75.33	93.12	35.91	1,601.54	4,044.11	1,147.46	1,038.07	109.40	10.489		
8,165.32	7,093.63	7,952.45	6,436.12	76.08	94.04	35.96	1,617.19	4,083.11	1,156.81	1,046.27	110.54	10.465		
8,200.00	7,122.60	7,986.79	6,462.21	76.47	94.52	31.59	1,625.50	4,103.84	1,161.59	1,050.54	111.05	10.460		
8,250.00	7,165.05	8,036.20	6,499.75	77.01	95.22	24.34	1,637.46	4,133.65	1,167.83	1,056.37	111.46	10.477		
8,300.00	7,208.03	8,085.14	6,536.93	77.52	95.91	16.17	1,649.30	4,163.19	1,173.31	1,061.82	111.49	10.524		
8,350.00	7,251.22	8,133.24	6,573.48	77.99	96.59	7.48	1,660.94	4,192.21	1,178.07	1,066.95	111.12	10.602		
8,400.00	7,294.28	8,180.14	6,609.11	78.41	97.26	-1.28	1,672.30	4,220.52	1,182.21	1,071.85	110.36	10.712		
8,450.00	7,336.90	8,225.49	6,643.57	78.78	97.90	-9.67	1,683.27	4,247.88	1,185.87	1,076.64	109.23	10.856		
8,500.00	7,378.73	8,268.93	6,676.57	79.10	98.51	-17.40	1,693.79	4,274.10	1,189.23	1,081.47	107.75	11.037		
8,550.00	7,419.47	8,310.14	6,707.88	79.37	99.10	-24.31	1,703.76	4,298.97	1,192.48	1,086.53	105.95	11.255		
8,600.00	7,458.81	8,348.80	6,737.25	79.59	99.64	-30.35	1,713.12	4,322.29	1,195.84	1,091.97	103.87	11.512		
8,650.00	7,496.44	8,384.62	6,764.47	79.76	100.15	-35.56	1,721.79	4,343.91	1,199.56	1,097.98	101.58	11.809		
8,700.00	7,532.08	8,417.32	6,789.31	79.88	100.61	-39.96	1,729.70	4,363.64	1,203.87	1,104.73	99.14	12.143		
8,750.00	7,565.46	8,446.66	6,811.60	79.95	101.03	-43.62	1,736.80	4,381.35	1,208.99	1,112.34	96.64	12.510		
8,800.00	7,596.33	8,472.41	6,831.17	79.98	101.39	-46.57	1,743.04	4,396.89	1,215.11	1,120.93	94.18	12.902		
8,850.00	7,624.44	8,494.38	6,847.86	79.97	101.70	-48.84	1,748.35	4,410.15	1,222.42	1,130.56	91.86	13.307		
8,900.00	7,649.59	8,512.40	6,861.55	79.93	101.96	-50.46	1,752.71	4,421.02	1,231.04	1,141.26	89.79	13.711		
8,950.00	7,671.59	8,526.33	6,872.14	79.84	102.15	-51.45	1,756.09	4,429.43	1,241.06	1,153.01	88.05	14.095		
9,000.00	7,690.26	8,536.07	6,879.54	79.73	102.29	-51.82	1,758.44	4,435.31	1,252.50	1,165.77	86.73	14.442		
9,050.00	7,705.47	8,541.55	6,883.70	79.59	102.37	-51.60	1,759.77	4,438.61	1,265.34	1,179.46	85.87	14.735		
9,100.00	7,717.09	8,542.71	6,884.58	79.43	102.38	-50.81	1,760.05	4,439.31	1,279.49	1,193.98	85.51	14.963		
9,150.00	7,725.04	8,539.55	6,882.18	79.26	102.34	-49.49	1,759.29	4,437.41	1,294.82	1,209.20	85.62	15.123		
9,200.00	7,729.27	8,532.11	6,876.53	79.06	102.23	-47.66	1,757.48	4,432.91	1,311.14	1,224.97	86.17	15.216		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1L-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	8,525.32	6,871.37	78.93	102.14	-46.30	1,755.84	4,428.82	1,321.70	1,234.99	86.70	15.244		
9,300.00	7,730.00	8,508.51	6,858.60	78.65	101.90	-45.55	1,751.77	4,418.68	1,346.79	1,258.42	88.36	15.242		
9,400.00	7,730.00	8,484.11	6,840.06	78.26	101.56	-44.47	1,745.87	4,403.95	1,388.14	1,296.43	91.71	15.136		
9,500.00	7,730.00	8,459.70	6,821.51	77.89	101.21	-43.39	1,739.96	4,389.22	1,434.87	1,339.08	95.79	14.979		
9,600.00	7,730.00	8,435.29	6,802.97	77.53	100.87	-42.32	1,734.05	4,374.49	1,486.46	1,386.20	100.26	14.826		
9,700.00	7,730.00	8,410.89	6,784.43	77.19	100.52	-41.26	1,728.14	4,359.76	1,542.43	1,437.59	104.84	14.712		
9,800.00	7,730.00	8,386.48	6,765.88	76.88	100.18	-40.20	1,722.24	4,345.03	1,602.32	1,492.97	109.35	14.653		
9,900.00	7,730.00	8,362.07	6,747.34	76.58	99.83	-39.15	1,716.33	4,330.30	1,665.71	1,552.04	113.67	14.654		
10,000.00	7,730.00	10,954.29	7,870.00	76.30	113.84	-94.77	530.61	5,216.82	1,695.49	1,609.22	86.23	19.662		
10,100.00	7,730.00	11,054.29	7,870.00	76.04	113.64	-94.77	430.61	5,216.48	1,695.49	1,609.39	86.10	19.692		
10,200.00	7,730.00	11,154.29	7,870.00	75.79	113.45	-94.77	330.61	5,216.14	1,695.49	1,609.37	86.12	19.688		
10,300.00	7,730.00	11,254.29	7,870.00	75.57	113.27	-94.77	230.61	5,215.81	1,695.49	1,609.22	86.28	19.652		
10,400.00	7,730.00	11,354.29	7,870.00	75.36	113.11	-94.77	130.61	5,215.47	1,695.50	1,608.92	86.58	19.583		
10,500.00	7,730.00	11,454.29	7,870.00	75.18	112.96	-94.77	30.62	5,215.14	1,695.50	1,608.47	87.03	19.483		
10,600.00	7,730.00	11,554.29	7,870.00	75.01	112.82	-94.77	-69.38	5,214.80	1,695.50	1,607.89	87.61	19.352		
10,700.00	7,730.00	11,654.29	7,870.00	74.86	112.69	-94.77	-169.38	5,214.47	1,695.50	1,607.17	88.33	19.194		
10,800.00	7,730.00	11,754.29	7,870.00	74.74	112.58	-94.77	-269.38	5,214.13	1,695.50	1,606.31	89.19	19.010		
10,900.00	7,730.00	11,854.29	7,870.00	74.64	112.48	-94.77	-369.38	5,213.80	1,695.51	1,605.33	90.18	18.802		
11,000.00	7,730.00	11,954.29	7,870.00	74.56	112.39	-94.77	-469.38	5,213.46	1,695.51	1,604.22	91.29	18.573		
11,100.00	7,730.00	12,054.29	7,870.00	74.51	112.32	-94.77	-569.38	5,213.13	1,695.51	1,602.99	92.52	18.326		
11,200.00	7,730.00	12,154.29	7,870.00	74.48	112.26	-94.77	-669.38	5,212.79	1,695.51	1,601.64	93.87	18.062		
11,300.00	7,730.00	12,254.29	7,870.00	74.48	112.21	-94.77	-769.38	5,212.46	1,695.52	1,600.19	95.33	17.786		
11,400.00	7,730.00	12,354.29	7,870.00	74.50	112.18	-94.77	-869.38	5,212.12	1,695.52	1,598.62	96.90	17.498		
11,500.00	7,730.00	12,454.29	7,870.00	74.56	112.17	-94.77	-969.38	5,211.78	1,695.52	1,596.96	98.56	17.203		
11,600.00	7,730.00	12,554.29	7,870.00	74.66	112.16	-94.77	-1,069.38	5,211.45	1,695.52	1,595.19	100.33	16.900		
11,700.00	7,730.00	12,654.29	7,870.00	74.79	112.18	-94.77	-1,169.38	5,211.11	1,695.52	1,593.34	102.18	16.593		
11,800.00	7,730.00	12,754.29	7,870.00	74.96	112.21	-94.77	-1,269.38	5,210.78	1,695.53	1,591.40	104.12	16.284		
11,900.00	7,730.00	12,854.29	7,870.00	75.17	112.26	-94.77	-1,369.38	5,210.44	1,695.53	1,589.38	106.14	15.974		
12,000.00	7,730.00	12,954.29	7,870.00	75.43	112.32	-94.77	-1,469.38	5,210.11	1,695.53	1,587.29	108.24	15.664		
12,100.00	7,730.00	13,054.29	7,870.00	75.73	112.40	-94.77	-1,569.38	5,209.77	1,695.53	1,585.12	110.41	15.356		
12,200.00	7,730.00	13,154.29	7,870.00	76.09	112.50	-94.77	-1,669.38	5,209.44	1,695.54	1,582.88	112.65	15.051		
12,300.00	7,730.00	13,254.29	7,870.00	76.51	112.62	-94.77	-1,769.37	5,209.10	1,695.54	1,580.58	114.96	14.749		
12,400.00	7,730.00	13,354.29	7,870.00	76.97	112.76	-94.77	-1,869.37	5,208.77	1,695.54	1,578.22	117.32	14.452		
12,500.00	7,730.00	13,454.29	7,870.00	77.50	112.92	-94.77	-1,969.37	5,208.43	1,695.54	1,575.80	119.74	14.160		
12,600.00	7,730.00	13,554.29	7,870.00	78.09	113.10	-94.77	-2,069.37	5,208.09	1,695.54	1,573.33	122.22	13.873		
12,700.00	7,730.00	13,654.29	7,870.00	78.74	113.30	-94.77	-2,169.37	5,207.76	1,695.55	1,570.80	124.74	13.592		
12,800.00	7,730.00	13,754.29	7,870.00	79.45	113.52	-94.77	-2,269.37	5,207.42	1,695.55	1,568.23	127.32	13.318		
12,900.00	7,730.00	13,854.29	7,870.00	80.22	113.77	-94.77	-2,369.37	5,207.09	1,695.55	1,565.62	129.93	13.049		
13,000.00	7,730.00	13,954.29	7,870.00	81.05	114.04	-94.77	-2,469.37	5,206.75	1,695.55	1,562.96	132.59	12.788		
13,100.00	7,730.00	14,054.29	7,870.00	81.94	114.34	-94.77	-2,569.37	5,206.42	1,695.56	1,560.26	135.29	12.533		
13,200.00	7,730.00	14,154.29	7,870.00	82.87	114.66	-94.77	-2,669.37	5,206.08	1,695.56	1,557.53	138.03	12.284		
13,300.00	7,730.00	14,254.29	7,870.00	83.86	115.01	-94.77	-2,769.37	5,205.75	1,695.56	1,554.76	140.80	12.043		
13,400.00	7,730.00	14,354.29	7,870.00	84.90	115.39	-94.77	-2,869.37	5,205.41	1,695.56	1,551.96	143.60	11.807		
13,500.00	7,730.00	14,454.29	7,870.00	85.97	115.80	-94.77	-2,969.37	5,205.08	1,695.56	1,549.13	146.44	11.579		
13,600.00	7,730.00	14,554.29	7,870.00	87.09	116.23	-94.77	-3,069.37	5,204.74	1,695.57	1,546.27	149.30	11.357		
13,700.00	7,730.00	14,654.29	7,870.00	88.25	116.70	-94.77	-3,169.37	5,204.40	1,695.57	1,543.38	152.19	11.141		
13,800.00	7,730.00	14,754.29	7,870.00	89.44	117.20	-94.77	-3,269.37	5,204.07	1,695.57	1,540.46	155.11	10.931		
13,900.00	7,730.00	14,854.29	7,870.00	90.66	117.73	-94.77	-3,369.37	5,203.73	1,695.57	1,537.52	158.05	10.728		
14,000.00	7,730.00	14,954.29	7,870.00	91.92	118.29	-94.77	-3,469.37	5,203.40	1,695.58	1,534.56	161.02	10.530		
14,100.00	7,730.00	15,054.29	7,870.00	93.20	118.88	-94.77	-3,569.36	5,203.06	1,695.58	1,531.57	164.01	10.338		
14,200.00	7,730.00	15,154.29	7,870.00	94.50	119.51	-94.77	-3,669.36	5,202.73	1,695.58	1,528.56	167.02	10.152		
14,300.00	7,730.00	15,254.29	7,870.00	95.83	120.17	-94.77	-3,769.36	5,202.39	1,695.58	1,525.54	170.04	9.971		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1L-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,400.00	7,730.00	15,354.29	7,870.00	97.17	120.86	-94.77	-3,869.36	5,202.06	1,695.58	1,522.49	173.09	9.796		
14,500.00	7,730.00	15,454.29	7,870.00	98.54	121.59	-94.77	-3,969.36	5,201.72	1,695.59	1,519.43	176.16	9.625		
14,600.00	7,730.00	15,554.29	7,870.00	99.92	122.35	-94.77	-4,069.36	5,201.39	1,695.59	1,516.35	179.24	9.460		
14,700.00	7,730.00	15,654.29	7,870.00	101.32	123.14	-94.77	-4,169.36	5,201.05	1,695.59	1,513.25	182.34	9.299		
14,800.00	7,730.00	15,754.29	7,870.00	102.74	123.97	-94.77	-4,269.36	5,200.71	1,695.59	1,510.14	185.45	9.143		
14,900.00	7,730.00	15,854.29	7,870.00	104.17	124.83	-94.77	-4,369.36	5,200.38	1,695.60	1,507.02	188.58	8.991		
15,000.00	7,730.00	15,954.29	7,870.00	105.62	125.72	-94.77	-4,469.36	5,200.04	1,695.60	1,503.88	191.72	8.844		
15,100.00	7,730.00	16,054.29	7,870.00	107.07	126.64	-94.77	-4,569.36	5,199.71	1,695.60	1,500.73	194.87	8.701		
15,200.00	7,730.00	16,154.29	7,870.00	108.54	127.59	-94.77	-4,669.36	5,199.37	1,695.60	1,497.56	198.04	8.562		
15,300.00	7,730.00	16,254.29	7,870.00	110.02	128.58	-94.77	-4,769.36	5,199.04	1,695.60	1,494.38	201.22	8.427		
15,400.00	7,730.00	16,354.29	7,870.00	111.51	129.59	-94.77	-4,869.36	5,198.70	1,695.61	1,491.20	204.41	8.295		
15,500.00	7,730.00	16,454.29	7,870.00	113.01	130.63	-94.77	-4,969.36	5,198.37	1,695.61	1,488.00	207.61	8.167		
15,600.00	7,730.00	16,554.29	7,870.00	114.52	131.69	-94.77	-5,069.36	5,198.03	1,695.61	1,484.79	210.82	8.043		
15,700.00	7,730.00	16,654.29	7,870.00	116.04	132.78	-94.77	-5,169.36	5,197.70	1,695.61	1,481.57	214.04	7.922		
15,800.00	7,730.00	16,754.29	7,870.00	117.56	133.90	-94.77	-5,269.36	5,197.36	1,695.62	1,478.34	217.27	7.804		
15,900.00	7,730.00	16,854.29	7,870.00	119.09	135.04	-94.77	-5,369.35	5,197.02	1,695.62	1,475.10	220.51	7.689		
16,000.00	7,730.00	16,954.29	7,870.00	120.63	136.21	-94.77	-5,469.35	5,196.69	1,695.62	1,471.86	223.76	7.578		
16,100.00	7,730.00	17,054.29	7,870.00	122.18	137.39	-94.77	-5,569.35	5,196.35	1,695.62	1,468.60	227.02	7.469		
16,200.00	7,730.00	17,154.29	7,870.00	123.73	138.60	-94.77	-5,669.35	5,196.02	1,695.62	1,465.34	230.28	7.363		
16,300.00	7,730.00	17,254.29	7,870.00	125.29	139.83	-94.77	-5,769.35	5,195.68	1,695.63	1,462.07	233.55	7.260		
16,400.00	7,730.00	17,354.29	7,870.00	126.86	141.07	-94.77	-5,869.35	5,195.35	1,695.63	1,458.79	236.83	7.160		
16,500.00	7,730.00	17,454.29	7,870.00	128.43	142.34	-94.77	-5,969.35	5,195.01	1,695.63	1,455.51	240.12	7.062		
16,600.00	7,730.00	17,554.29	7,870.00	130.01	143.62	-94.77	-6,069.35	5,194.68	1,695.63	1,452.22	243.41	6.966		
16,700.00	7,730.00	17,654.29	7,870.00	131.59	144.92	-94.77	-6,169.35	5,194.34	1,695.63	1,448.92	246.71	6.873		
16,800.00	7,730.00	17,754.29	7,870.00	133.18	146.24	-94.77	-6,269.35	5,194.01	1,695.64	1,445.62	250.02	6.782		
16,900.00	7,730.00	17,854.29	7,870.00	134.77	147.57	-94.77	-6,369.35	5,193.67	1,695.64	1,442.31	253.33	6.693		
17,000.00	7,730.00	17,954.29	7,870.00	136.37	148.91	-94.77	-6,469.35	5,193.33	1,695.64	1,439.00	256.65	6.607		
17,100.00	7,730.00	18,054.29	7,870.00	137.97	150.27	-94.77	-6,569.35	5,193.00	1,695.64	1,435.68	259.97	6.523		
17,200.00	7,730.00	18,154.29	7,870.00	139.57	151.65	-94.77	-6,669.35	5,192.66	1,695.65	1,432.35	263.30	6.440		
17,300.00	7,730.00	18,254.29	7,870.00	141.18	153.03	-94.77	-6,769.35	5,192.33	1,695.65	1,429.02	266.63	6.360		
17,400.00	7,730.00	18,354.29	7,870.00	142.79	154.43	-94.77	-6,869.35	5,191.99	1,695.65	1,425.68	269.97	6.281		
17,500.00	7,730.00	18,454.29	7,870.00	144.41	155.84	-94.77	-6,969.35	5,191.66	1,695.65	1,422.34	273.31	6.204		
17,600.00	7,730.00	18,554.29	7,870.00	146.03	157.26	-94.77	-7,069.34	5,191.32	1,695.65	1,419.00	276.65	6.129		
17,700.00	7,730.00	18,654.29	7,870.00	147.65	158.69	-94.77	-7,169.34	5,190.99	1,695.66	1,415.65	280.01	6.056		
17,800.00	7,730.00	18,754.29	7,870.00	149.28	160.13	-94.77	-7,269.34	5,190.65	1,695.66	1,412.30	283.36	5.984		
17,900.00	7,730.00	18,854.29	7,870.00	150.91	161.58	-94.77	-7,369.34	5,190.32	1,695.66	1,408.94	286.72	5.914		
18,000.00	7,730.00	18,954.29	7,870.00	152.54	163.04	-94.77	-7,469.34	5,189.98	1,695.66	1,405.58	290.08	5.845		
18,100.00	7,730.00	19,054.29	7,870.00	154.18	164.51	-94.77	-7,569.34	5,189.64	1,695.67	1,402.22	293.45	5.778		
18,200.00	7,730.00	19,154.29	7,870.00	155.82	165.99	-94.77	-7,669.34	5,189.31	1,695.67	1,398.85	296.82	5.713		
18,300.00	7,730.00	19,254.29	7,870.00	157.46	167.47	-94.77	-7,769.34	5,188.97	1,695.67	1,395.47	300.20	5.649		
18,400.00	7,730.00	19,354.29	7,870.00	159.11	168.96	-94.77	-7,869.34	5,188.64	1,695.67	1,392.10	303.57	5.586		
18,500.00	7,730.00	19,454.29	7,870.00	160.75	170.46	-94.77	-7,969.34	5,188.30	1,695.67	1,388.72	306.95	5.524		
18,600.00	7,730.00	19,554.29	7,870.00	162.40	171.97	-94.77	-8,069.34	5,187.97	1,695.68	1,385.34	310.34	5.464		
18,700.00	7,730.00	19,654.29	7,870.00	164.05	173.48	-94.77	-8,169.34	5,187.63	1,695.68	1,381.95	313.73	5.405		
18,800.00	7,730.00	19,754.29	7,870.00	165.71	175.00	-94.77	-8,269.34	5,187.30	1,695.68	1,378.57	317.12	5.347		
18,900.00	7,730.00	19,854.29	7,870.00	167.36	176.53	-94.77	-8,369.34	5,186.96	1,695.68	1,375.17	320.51	5.291		
18,942.39	7,730.00	19,896.68	7,870.00	168.07	177.18	-94.77	-8,411.73	5,186.82	1,695.68	1,373.74	321.95	5.267 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1M-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	-1.00	0.00	0.00	90.35	-0.36	59.92	59.92					
100.00	100.00	101.00	99.00	0.13	0.14	90.35	-0.36	59.92	59.92	59.65	0.27	219.945		
200.00	200.00	199.00	199.00	0.49	0.49	90.35	-0.36	59.92	59.92	58.94	0.98	61.007	CC, ES	
300.00	300.00	297.07	297.05	0.85	0.84	89.80	0.22	61.46	61.49	59.80	1.69	36.348		
400.00	400.00	394.89	394.74	1.21	1.19	88.29	1.98	66.12	66.29	63.88	2.40	27.606		
500.00	500.00	492.26	491.75	1.57	1.55	86.20	4.90	73.85	74.37	71.26	3.11	23.916		
600.00	600.00	588.95	587.76	1.93	1.93	83.95	8.96	84.58	85.79	81.98	3.81	22.490		
700.00	700.00	684.77	682.46	2.29	2.32	81.83	14.11	98.19	100.57	96.06	4.51	22.279		
800.00	800.00	779.50	775.55	2.64	2.74	79.96	20.29	114.56	118.68	113.47	5.21	22.796		
900.00	899.98	873.32	867.14	3.00	3.18	18.88	27.49	133.59	138.45	132.57	5.88	23.537		
1,000.00	999.84	966.56	957.44	3.35	3.66	17.96	35.69	155.28	158.20	151.65	6.55	24.158		
1,100.00	1,099.45	1,059.22	1,046.39	3.71	4.17	17.42	44.86	179.54	177.85	170.65	7.20	24.695		
1,200.00	1,198.70	1,151.31	1,133.93	4.08	4.72	17.13	54.98	206.31	197.38	189.51	7.87	25.072		
1,300.00	1,297.47	1,242.86	1,219.98	4.47	5.31	17.03	66.02	235.52	216.76	208.22	8.54	25.383		
1,400.00	1,395.62	1,333.87	1,304.50	4.87	5.95	17.07	77.96	267.09	235.95	226.74	9.21	25.619		
1,500.00	1,493.06	1,424.36	1,387.43	5.31	6.63	17.21	90.76	300.95	254.96	245.07	9.89	25.789		
1,600.00	1,589.64	1,514.35	1,468.72	5.77	7.35	17.44	104.40	337.03	273.76	263.19	10.57	25.896		
1,700.00	1,685.27	1,603.84	1,548.32	6.28	8.12	17.73	118.86	375.27	292.35	281.08	11.27	25.946		
1,800.00	1,779.82	1,692.85	1,626.20	6.83	8.94	18.07	134.10	415.59	310.71	298.73	11.98	25.935		
1,900.00	1,873.17	1,781.40	1,702.30	7.43	9.82	18.45	150.11	457.93	328.84	316.13	12.71	25.868		
2,000.00	1,965.21	1,869.50	1,776.60	8.08	10.74	18.87	166.85	502.22	346.74	333.27	13.47	25.745		
2,100.00	2,055.84	1,957.17	1,849.04	8.79	11.72	19.32	184.31	548.39	364.38	350.13	14.25	25.569		
2,200.00	2,144.94	2,044.42	1,919.61	9.56	12.74	19.79	202.45	596.38	381.78	366.71	15.07	25.338		
2,300.00	2,232.39	2,131.26	1,988.27	10.39	13.81	20.28	221.25	646.11	398.92	383.00	15.92	25.055		
2,400.00	2,318.11	2,217.71	2,054.98	11.30	14.93	20.80	240.69	697.53	415.80	398.98	16.82	24.719		
2,504.60	2,405.78	2,307.73	2,122.66	12.31	16.16	21.35	261.68	753.06	433.17	415.35	17.82	24.313		
2,600.00	2,484.79	2,389.29	2,182.33	13.28	17.32	21.92	281.34	805.05	450.20	431.44	18.76	23.997		
2,700.00	2,567.60	2,486.48	2,252.38	14.32	18.75	22.50	305.17	868.08	469.63	449.60	20.03	23.441		
2,800.00	2,650.41	2,584.47	2,322.99	15.37	20.19	23.04	329.19	931.62	489.11	467.75	21.36	22.901		
2,900.00	2,733.23	2,682.45	2,393.61	16.44	21.65	23.53	353.21	995.16	508.62	485.91	22.71	22.397		
3,000.00	2,816.04	2,780.44	2,464.22	17.52	23.11	23.99	377.24	1,058.70	528.17	504.09	24.09	21.929		
3,100.00	2,898.85	2,878.42	2,534.84	18.60	24.58	24.42	401.26	1,122.24	547.75	522.27	25.48	21.494		
3,200.00	2,981.67	2,976.41	2,605.46	19.69	26.06	24.82	425.28	1,185.78	567.36	540.45	26.90	21.089		
3,300.00	3,064.48	3,074.39	2,676.07	20.79	27.54	25.19	449.30	1,249.33	586.99	558.65	28.34	20.713		
3,400.00	3,147.30	3,172.38	2,746.69	21.90	29.02	25.54	473.33	1,312.87	606.64	576.85	29.79	20.363		
3,500.00	3,230.11	3,270.36	2,817.30	23.00	30.51	25.86	497.35	1,376.41	626.31	595.06	31.26	20.037		
3,600.00	3,312.92	3,368.35	2,887.92	24.12	32.00	26.17	521.37	1,439.95	646.00	613.27	32.74	19.733		
3,700.00	3,395.74	3,466.34	2,958.53	25.23	33.49	26.46	545.40	1,503.49	665.71	631.48	34.23	19.449		
3,800.00	3,478.55	3,564.32	3,029.15	26.35	34.98	26.73	569.42	1,567.03	685.44	649.71	35.73	19.184		
3,900.00	3,561.36	3,662.31	3,099.76	27.47	36.47	26.98	593.44	1,630.57	705.17	667.93	37.24	18.935		
4,000.00	3,644.18	3,760.29	3,170.38	28.59	37.97	27.23	617.46	1,694.12	724.92	686.16	38.76	18.702		
4,100.00	3,726.99	3,858.28	3,241.00	29.72	39.47	27.46	641.49	1,757.66	744.69	704.40	40.29	18.483		
4,200.00	3,809.81	3,956.26	3,311.61	30.85	40.96	27.67	665.51	1,821.20	764.46	722.63	41.83	18.278		
4,300.00	3,892.62	4,054.25	3,382.23	31.98	42.46	27.88	689.53	1,884.74	784.24	740.87	43.37	18.084		
4,400.00	3,975.43	4,152.23	3,452.84	33.11	43.96	28.08	713.55	1,948.28	804.03	759.12	44.92	17.901		
4,500.00	4,058.25	4,250.22	3,523.46	34.24	45.46	28.26	737.58	2,011.82	823.83	777.36	46.47	17.728		
4,600.00	4,141.06	4,348.20	3,594.07	35.37	46.97	28.44	761.60	2,075.36	843.64	795.61	48.03	17.565		
4,700.00	4,223.87	4,446.19	3,664.69	36.50	48.47	28.61	785.62	2,138.90	863.46	813.86	49.59	17.410		
4,800.00	4,306.69	4,544.18	3,735.31	37.64	49.97	28.77	809.64	2,202.45	883.28	832.12	51.16	17.264		
4,900.00	4,389.50	4,642.16	3,805.92	38.77	51.48	28.93	833.67	2,265.99	903.11	850.38	52.74	17.125		
5,000.00	4,472.32	4,740.15	3,876.54	39.91	52.98	29.08	857.69	2,329.53	922.95	868.63	54.31	16.993		
5,100.00	4,555.13	4,838.13	3,947.15	41.05	54.48	29.22	881.71	2,393.07	942.79	886.89	55.90	16.867		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1M-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,936.12	4,017.77	42.18	55.99	29.36	905.73	2,456.61	962.64	905.16	57.48	16.747		
5,300.00	4,720.76	5,034.10	4,088.38	43.32	57.50	29.49	929.76	2,520.15	982.49	923.42	59.07	16.633		
5,400.00	4,803.57	5,132.09	4,159.00	44.46	59.00	29.61	953.78	2,583.69	1,002.35	941.69	60.66	16.524		
5,500.00	4,886.39	5,230.07	4,229.62	45.60	60.51	29.73	977.80	2,647.23	1,022.21	959.95	62.25	16.421		
5,600.00	4,969.20	5,328.06	4,300.23	46.74	62.01	29.85	1,001.82	2,710.78	1,042.07	978.22	63.85	16.321		
5,700.00	5,052.01	5,426.04	4,370.85	47.88	63.52	29.96	1,025.85	2,774.32	1,061.94	996.49	65.45	16.226		
5,800.00	5,134.83	5,524.03	4,441.46	49.02	65.03	30.07	1,049.87	2,837.86	1,081.81	1,014.77	67.05	16.135		
5,900.00	5,217.64	5,622.02	4,512.08	50.16	66.54	30.17	1,073.89	2,901.40	1,101.69	1,033.04	68.65	16.048		
6,000.00	5,300.45	5,720.00	4,582.69	51.30	68.04	30.27	1,097.91	2,964.94	1,121.57	1,051.31	70.26	15.964		
6,100.00	5,383.27	5,817.99	4,653.31	52.45	69.55	30.37	1,121.94	3,028.48	1,141.45	1,069.59	71.86	15.884		
6,200.00	5,466.08	5,915.97	4,723.92	53.59	71.06	30.46	1,145.96	3,092.02	1,161.34	1,087.87	73.47	15.806		
6,300.00	5,548.90	6,013.96	4,794.54	54.73	72.57	30.55	1,169.98	3,155.57	1,181.23	1,106.15	75.08	15.732		
6,400.00	5,631.71	6,111.94	4,865.16	55.87	74.08	30.64	1,194.00	3,219.11	1,201.12	1,124.42	76.70	15.661		
6,500.00	5,714.52	6,209.93	4,935.77	57.02	75.59	30.73	1,218.03	3,282.65	1,221.02	1,142.70	78.31	15.592		
6,600.00	5,797.34	6,307.91	5,006.39	58.16	77.10	30.81	1,242.05	3,346.19	1,240.91	1,160.99	79.93	15.526		
6,700.00	5,880.15	6,405.90	5,077.00	59.30	78.61	30.89	1,266.07	3,409.73	1,260.81	1,179.27	81.54	15.462		
6,800.00	5,962.96	6,503.89	5,147.62	60.45	80.11	30.96	1,290.09	3,473.27	1,280.71	1,197.55	83.16	15.400		
6,900.00	6,045.78	6,601.87	5,218.23	61.59	81.62	31.04	1,314.12	3,536.81	1,300.62	1,215.83	84.78	15.340		
7,000.00	6,128.59	6,699.86	5,288.85	62.73	83.13	31.11	1,338.14	3,600.35	1,320.52	1,234.12	86.40	15.283		
7,100.00	6,211.41	6,802.16	5,359.47	63.88	84.71	31.18	1,362.16	3,663.90	1,340.43	1,252.37	88.06	15.221		
7,200.00	6,294.22	6,895.83	5,430.08	65.02	86.15	31.25	1,386.18	3,727.44	1,360.34	1,270.69	89.65	15.174		
7,300.00	6,377.03	7,006.19	5,500.70	66.17	87.85	31.31	1,410.21	3,790.98	1,380.25	1,288.87	91.38	15.105		
7,400.00	6,459.85	7,091.80	5,571.31	67.31	89.17	31.38	1,434.23	3,854.52	1,400.16	1,307.26	92.90	15.072		
7,500.00	6,542.66	7,189.78	5,641.93	68.46	90.68	31.44	1,458.25	3,918.06	1,420.08	1,325.55	94.53	15.023		
7,600.00	6,625.48	7,287.77	5,712.54	69.60	92.19	31.50	1,482.28	3,981.60	1,439.99	1,343.84	96.16	14.976		
7,700.00	6,708.29	7,385.75	5,783.16	70.75	93.70	31.56	1,506.30	4,045.14	1,459.91	1,362.13	97.78	14.930		
7,800.00	6,791.10	7,483.74	5,853.78	71.89	95.21	31.62	1,530.32	4,108.69	1,479.83	1,380.42	99.41	14.886		
7,900.00	6,873.92	7,581.73	5,924.39	73.04	96.73	31.67	1,554.34	4,172.23	1,499.75	1,398.71	101.04	14.843		
8,000.00	6,956.73	7,679.71	5,995.01	74.18	98.24	31.73	1,578.37	4,235.77	1,519.67	1,417.00	102.67	14.801		
8,100.00	7,039.54	7,777.70	6,065.62	75.33	99.75	31.78	1,602.39	4,299.31	1,539.60	1,435.29	104.31	14.760		
8,165.32	7,093.63	7,841.70	6,111.75	76.08	100.73	31.81	1,618.08	4,340.81	1,552.61	1,447.24	105.37	14.734		
8,200.00	7,122.60	7,875.70	6,136.25	76.47	101.26	27.66	1,626.41	4,362.86	1,559.41	1,453.55	105.87	14.730		
8,250.00	7,165.05	7,924.58	6,171.48	77.01	102.01	20.79	1,638.40	4,394.56	1,568.82	1,462.50	106.32	14.756		
8,300.00	7,208.03	7,972.99	6,206.36	77.52	102.76	13.07	1,650.27	4,425.95	1,577.72	1,471.26	106.46	14.820		
8,350.00	7,251.22	8,020.54	6,240.63	77.99	103.49	4.90	1,661.92	4,456.79	1,586.12	1,479.83	106.29	14.922		
8,400.00	7,294.28	8,066.87	6,274.02	78.41	104.21	-3.28	1,673.28	4,486.83	1,594.06	1,488.23	105.83	15.063		
8,450.00	7,336.90	8,111.64	6,306.29	78.78	104.90	-11.06	1,684.26	4,515.87	1,601.59	1,496.52	105.07	15.243		
8,500.00	7,378.73	8,154.50	6,337.18	79.10	105.56	-18.14	1,694.77	4,543.66	1,608.83	1,504.78	104.05	15.462		
8,550.00	7,419.47	8,204.87	6,366.46	79.37	106.33	-24.38	1,704.73	4,570.01	1,615.87	1,513.00	102.87	15.708		
8,600.00	7,458.81	8,233.22	6,393.91	79.59	106.77	-29.75	1,714.07	4,594.70	1,622.85	1,521.52	101.33	16.016		
8,650.00	7,496.44	8,268.47	6,419.31	79.76	107.31	-34.31	1,722.71	4,617.56	1,629.90	1,530.20	99.70	16.348		
8,700.00	7,532.08	8,300.62	6,442.48	79.88	107.81	-38.10	1,730.59	4,638.41	1,637.17	1,539.21	97.96	16.713		
8,750.00	7,565.46	8,329.43	6,463.24	79.95	108.25	-41.20	1,737.65	4,657.09	1,644.77	1,548.61	96.16	17.105		
8,800.00	7,596.33	8,354.67	6,481.43	79.98	108.64	-43.67	1,743.84	4,673.46	1,652.83	1,558.48	94.35	17.517		
8,850.00	7,624.44	8,376.15	6,496.91	79.97	108.97	-45.55	1,749.11	4,687.39	1,661.45	1,568.84	92.61	17.939		
8,900.00	7,649.59	8,406.29	6,509.57	79.93	109.44	-46.89	1,753.41	4,698.78	1,670.71	1,579.63	91.08	18.343		
8,950.00	7,671.59	8,407.22	6,519.31	79.84	109.45	-47.72	1,756.73	4,707.54	1,680.64	1,591.08	89.56	18.765		
9,000.00	7,690.26	8,416.57	6,526.04	79.73	109.60	-48.06	1,759.02	4,713.61	1,691.26	1,602.90	88.36	19.141		
9,050.00	7,705.47	8,421.70	6,529.74	79.59	109.68	-47.94	1,760.27	4,716.93	1,702.54	1,615.12	87.42	19.476		
9,100.00	7,717.09	8,422.55	6,530.35	79.43	109.69	-47.39	1,760.48	4,717.48	1,714.42	1,627.66	86.77	19.758		
9,150.00	7,725.04	8,419.13	6,527.89	79.26	109.64	-46.43	1,759.65	4,715.27	1,726.82	1,640.40	86.42	19.981		
9,200.00	7,729.27	8,411.47	6,522.37	79.06	109.52	-45.11	1,757.77	4,710.30	1,739.59	1,653.22	86.37	20.141		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1M-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	8,404.57	6,517.40	78.93	109.41	-44.11	1,756.08	4,705.82	1,747.67	1,661.19	86.48	20.210		
9,300.00	7,730.00	8,387.54	6,505.12	78.65	109.15	-43.55	1,751.90	4,694.78	1,766.76	1,679.68	87.08	20.288		
9,400.00	7,730.00	8,362.80	6,487.29	78.26	108.77	-42.74	1,745.84	4,678.74	1,798.54	1,709.74	88.80	20.255		
9,500.00	7,730.00	8,338.07	6,469.47	77.89	108.39	-41.93	1,739.77	4,662.70	1,834.89	1,743.58	91.31	20.096		
9,600.00	7,730.00	8,313.33	6,451.64	77.53	108.01	-41.13	1,733.71	4,646.66	1,875.55	1,781.14	94.40	19.867		
9,700.00	7,730.00	8,288.60	6,433.82	77.19	107.62	-40.33	1,727.64	4,630.62	1,920.23	1,822.34	97.90	19.615		
9,800.00	7,730.00	8,263.86	6,415.99	76.88	107.24	-39.53	1,721.58	4,614.58	1,968.68	1,867.06	101.62	19.373		
9,900.00	7,730.00	8,239.13	6,398.16	76.58	106.86	-38.73	1,715.51	4,598.54	2,020.62	1,915.18	105.44	19.164		
10,000.00	7,730.00	10,862.42	7,480.00	76.30	123.22	-83.04	529.41	5,566.76	2,054.70	1,958.93	95.77	21.454		
10,100.00	7,730.00	10,962.42	7,480.00	76.04	123.03	-83.04	429.41	5,566.42	2,054.71	1,958.87	95.83	21.440		
10,200.00	7,730.00	11,062.42	7,480.00	75.79	122.84	-83.04	329.41	5,566.09	2,054.71	1,958.68	96.03	21.397		
10,300.00	7,730.00	11,162.42	7,480.00	75.57	122.67	-83.04	229.42	5,565.75	2,054.71	1,958.36	96.35	21.326		
10,400.00	7,730.00	11,262.42	7,480.00	75.36	122.51	-83.04	129.42	5,565.41	2,054.71	1,957.91	96.80	21.227		
10,500.00	7,730.00	11,362.42	7,480.00	75.18	122.36	-83.04	29.42	5,565.08	2,054.71	1,957.34	97.37	21.102		
10,600.00	7,730.00	11,462.42	7,480.00	75.01	122.22	-83.04	-70.58	5,564.74	2,054.71	1,956.64	98.07	20.952		
10,700.00	7,730.00	11,562.42	7,480.00	74.86	122.09	-83.04	-170.58	5,564.40	2,054.71	1,955.83	98.88	20.779		
10,800.00	7,730.00	11,662.42	7,480.00	74.74	121.98	-83.04	-270.58	5,564.07	2,054.71	1,954.89	99.82	20.584		
10,900.00	7,730.00	11,762.42	7,480.00	74.64	121.87	-83.04	-370.58	5,563.73	2,054.71	1,953.84	100.87	20.370		
11,000.00	7,730.00	11,862.42	7,480.00	74.56	121.78	-83.04	-470.58	5,563.39	2,054.71	1,952.69	102.03	20.139		
11,100.00	7,730.00	11,962.42	7,480.00	74.51	121.70	-83.04	-570.58	5,563.06	2,054.72	1,951.42	103.29	19.892		
11,200.00	7,730.00	12,062.42	7,480.00	74.48	121.63	-83.04	-670.58	5,562.72	2,054.72	1,950.05	104.66	19.632		
11,300.00	7,730.00	12,162.42	7,480.00	74.48	121.58	-83.04	-770.58	5,562.38	2,054.72	1,948.59	106.13	19.360		
11,400.00	7,730.00	12,262.42	7,480.00	74.50	121.53	-83.04	-870.58	5,562.05	2,054.72	1,947.02	107.69	19.079		
11,500.00	7,730.00	12,362.42	7,480.00	74.56	121.50	-83.04	-970.58	5,561.71	2,054.72	1,945.37	109.35	18.791		
11,600.00	7,730.00	12,462.42	7,480.00	74.66	121.48	-83.04	-1,070.58	5,561.37	2,054.72	1,943.63	111.09	18.496		
11,700.00	7,730.00	12,562.42	7,480.00	74.79	121.48	-83.04	-1,170.58	5,561.04	2,054.72	1,941.81	112.91	18.198		
11,800.00	7,730.00	12,662.42	7,480.00	74.96	121.49	-83.04	-1,270.58	5,560.70	2,054.72	1,939.91	114.81	17.897		
11,900.00	7,730.00	12,762.42	7,480.00	75.17	121.51	-83.04	-1,370.58	5,560.36	2,054.72	1,937.94	116.79	17.594		
12,000.00	7,730.00	12,862.42	7,480.00	75.43	121.55	-83.04	-1,470.57	5,560.03	2,054.72	1,935.89	118.83	17.291		
12,100.00	7,730.00	12,962.42	7,480.00	75.73	121.60	-83.04	-1,570.57	5,559.69	2,054.73	1,933.78	120.95	16.989		
12,200.00	7,730.00	13,062.42	7,480.00	76.09	121.67	-83.04	-1,670.57	5,559.35	2,054.73	1,931.60	123.12	16.688		
12,300.00	7,730.00	13,162.42	7,480.00	76.51	121.75	-83.04	-1,770.57	5,559.02	2,054.73	1,929.37	125.36	16.390		
12,400.00	7,730.00	13,262.42	7,480.00	76.97	121.85	-83.04	-1,870.57	5,558.68	2,054.73	1,927.07	127.66	16.096		
12,500.00	7,730.00	13,362.42	7,480.00	77.50	121.97	-83.04	-1,970.57	5,558.34	2,054.73	1,924.72	130.01	15.805		
12,600.00	7,730.00	13,462.42	7,480.00	78.09	122.10	-83.04	-2,070.57	5,558.01	2,054.73	1,922.32	132.41	15.518		
12,700.00	7,730.00	13,562.42	7,480.00	78.74	122.25	-83.04	-2,170.57	5,557.67	2,054.73	1,919.87	134.86	15.236		
12,800.00	7,730.00	13,662.42	7,480.00	79.45	122.42	-83.04	-2,270.57	5,557.33	2,054.73	1,917.38	137.35	14.959		
12,900.00	7,730.00	13,762.42	7,480.00	80.22	122.61	-83.04	-2,370.57	5,557.00	2,054.73	1,914.84	139.89	14.688		
13,000.00	7,730.00	13,862.42	7,480.00	81.05	122.82	-83.04	-2,470.57	5,556.66	2,054.73	1,912.26	142.47	14.422		
13,100.00	7,730.00	13,962.42	7,480.00	81.94	123.05	-83.04	-2,570.57	5,556.32	2,054.74	1,909.64	145.09	14.162		
13,200.00	7,730.00	14,062.42	7,480.00	82.87	123.30	-83.04	-2,670.57	5,555.99	2,054.74	1,906.99	147.75	13.907		
13,300.00	7,730.00	14,162.42	7,480.00	83.86	123.57	-83.04	-2,770.57	5,555.65	2,054.74	1,904.30	150.44	13.658		
13,400.00	7,730.00	14,262.42	7,480.00	84.90	123.87	-83.04	-2,870.57	5,555.31	2,054.74	1,901.57	153.17	13.415		
13,500.00	7,730.00	14,362.42	7,480.00	85.97	124.19	-83.04	-2,970.57	5,554.98	2,054.74	1,898.82	155.92	13.178		
13,600.00	7,730.00	14,462.42	7,480.00	87.09	124.53	-83.04	-3,070.57	5,554.64	2,054.74	1,896.03	158.71	12.947		
13,700.00	7,730.00	14,562.42	7,480.00	88.25	124.89	-83.04	-3,170.57	5,554.31	2,054.74	1,893.22	161.52	12.721		
13,800.00	7,730.00	14,662.42	7,480.00	89.44	125.29	-83.04	-3,270.56	5,553.97	2,054.74	1,890.38	164.36	12.501		
13,900.00	7,730.00	14,762.42	7,480.00	90.66	125.70	-83.04	-3,370.56	5,553.63	2,054.74	1,887.51	167.23	12.287		
14,000.00	7,730.00	14,862.42	7,480.00	91.92	126.15	-83.04	-3,470.56	5,553.30	2,054.74	1,884.62	170.12	12.078		
14,100.00	7,730.00	14,962.42	7,480.00	93.20	126.62	-83.04	-3,570.56	5,552.96	2,054.75	1,881.71	173.04	11.875		
14,200.00	7,730.00	15,062.42	7,480.00	94.50	127.12	-83.04	-3,670.56	5,552.62	2,054.75	1,878.77	175.97	11.677		
14,300.00	7,730.00	15,162.42	7,480.00	95.83	127.65	-83.04	-3,770.56	5,552.29	2,054.75	1,875.82	178.93	11.484		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1M-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,400.00	7,730.00	15,262.42	7,480.00	97.17	128.21	-83.04	-3,870.56	5,551.95	2,054.75	1,872.84	181.91	11.296		
14,500.00	7,730.00	15,362.42	7,480.00	98.54	128.80	-83.04	-3,970.56	5,551.61	2,054.75	1,869.85	184.90	11.113		
14,600.00	7,730.00	15,462.42	7,480.00	99.92	129.42	-83.04	-4,070.56	5,551.28	2,054.75	1,866.84	187.91	10.935		
14,700.00	7,730.00	15,562.42	7,480.00	101.32	130.07	-83.04	-4,170.56	5,550.94	2,054.75	1,863.81	190.94	10.761		
14,800.00	7,730.00	15,662.42	7,480.00	102.74	130.75	-83.04	-4,270.56	5,550.60	2,054.75	1,860.76	193.99	10.592		
14,900.00	7,730.00	15,762.42	7,480.00	104.17	131.46	-83.04	-4,370.56	5,550.27	2,054.75	1,857.70	197.05	10.427		
15,000.00	7,730.00	15,862.42	7,480.00	105.62	132.20	-83.04	-4,470.56	5,549.93	2,054.75	1,854.63	200.13	10.267		
15,100.00	7,730.00	15,962.42	7,480.00	107.07	132.97	-83.04	-4,570.56	5,549.59	2,054.76	1,851.54	203.22	10.111		
15,200.00	7,730.00	16,062.42	7,480.00	108.54	133.77	-83.04	-4,670.56	5,549.26	2,054.76	1,848.43	206.32	9.959		
15,300.00	7,730.00	16,162.42	7,480.00	110.02	134.61	-83.04	-4,770.56	5,548.92	2,054.76	1,845.32	209.44	9.811		
15,400.00	7,730.00	16,262.42	7,480.00	111.51	135.47	-83.04	-4,870.56	5,548.58	2,054.76	1,842.19	212.57	9.666		
15,500.00	7,730.00	16,362.42	7,480.00	113.01	136.36	-83.04	-4,970.56	5,548.25	2,054.76	1,839.05	215.71	9.525		
15,600.00	7,730.00	16,462.42	7,480.00	114.52	137.28	-83.04	-5,070.55	5,547.91	2,054.76	1,835.89	218.87	9.388		
15,700.00	7,730.00	16,562.42	7,480.00	116.04	138.23	-83.04	-5,170.55	5,547.57	2,054.76	1,832.73	222.03	9.254		
15,800.00	7,730.00	16,662.42	7,480.00	117.56	139.20	-83.04	-5,270.55	5,547.24	2,054.76	1,829.56	225.20	9.124		
15,900.00	7,730.00	16,762.42	7,480.00	119.09	140.21	-83.04	-5,370.55	5,546.90	2,054.76	1,826.38	228.39	8.997		
16,000.00	7,730.00	16,862.42	7,480.00	120.63	141.23	-83.04	-5,470.55	5,546.56	2,054.76	1,823.18	231.58	8.873		
16,100.00	7,730.00	16,962.42	7,480.00	122.18	142.29	-83.04	-5,570.55	5,546.23	2,054.77	1,819.98	234.78	8.752		
16,200.00	7,730.00	17,062.42	7,480.00	123.73	143.37	-83.04	-5,670.55	5,545.89	2,054.77	1,816.77	237.99	8.634		
16,300.00	7,730.00	17,162.42	7,480.00	125.29	144.47	-83.04	-5,770.55	5,545.55	2,054.77	1,813.55	241.21	8.518		
16,400.00	7,730.00	17,262.42	7,480.00	126.86	145.60	-83.04	-5,870.55	5,545.22	2,054.77	1,810.33	244.44	8.406		
16,500.00	7,730.00	17,362.42	7,480.00	128.43	146.74	-83.04	-5,970.55	5,544.88	2,054.77	1,807.09	247.68	8.296		
16,600.00	7,730.00	17,462.42	7,480.00	130.01	147.91	-83.04	-6,070.55	5,544.54	2,054.77	1,803.85	250.92	8.189		
16,700.00	7,730.00	17,562.42	7,480.00	131.59	149.10	-83.04	-6,170.55	5,544.21	2,054.77	1,800.60	254.17	8.084		
16,800.00	7,730.00	17,662.42	7,480.00	133.18	150.31	-83.04	-6,270.55	5,543.87	2,054.77	1,797.34	257.43	7.982		
16,900.00	7,730.00	17,762.42	7,480.00	134.77	151.54	-83.04	-6,370.55	5,543.53	2,054.77	1,794.08	260.69	7.882		
17,000.00	7,730.00	17,862.42	7,480.00	136.37	152.79	-83.04	-6,470.55	5,543.20	2,054.77	1,790.81	263.96	7.784		
17,100.00	7,730.00	17,962.42	7,480.00	137.97	154.05	-83.04	-6,570.55	5,542.86	2,054.78	1,787.54	267.24	7.689		
17,200.00	7,730.00	18,062.42	7,480.00	139.57	155.34	-83.04	-6,670.55	5,542.52	2,054.78	1,784.26	270.52	7.596		
17,300.00	7,730.00	18,162.42	7,480.00	141.18	156.63	-83.04	-6,770.54	5,542.19	2,054.78	1,780.97	273.81	7.504		
17,400.00	7,730.00	18,262.42	7,480.00	142.79	157.95	-83.04	-6,870.54	5,541.85	2,054.78	1,777.68	277.10	7.415		
17,500.00	7,730.00	18,362.42	7,480.00	144.41	159.27	-83.04	-6,970.54	5,541.51	2,054.78	1,774.38	280.40	7.328		
17,600.00	7,730.00	18,462.42	7,480.00	146.03	160.61	-83.04	-7,070.54	5,541.18	2,054.78	1,771.07	283.71	7.243		
17,700.00	7,730.00	18,562.42	7,480.00	147.65	161.97	-83.04	-7,170.54	5,540.84	2,054.78	1,767.77	287.02	7.159		
17,800.00	7,730.00	18,662.42	7,480.00	149.28	163.34	-83.04	-7,270.54	5,540.50	2,054.78	1,764.45	290.33	7.077		
17,900.00	7,730.00	18,762.42	7,480.00	150.91	164.72	-83.04	-7,370.54	5,540.17	2,054.78	1,761.14	293.65	6.997		
18,000.00	7,730.00	18,862.42	7,480.00	152.54	166.11	-83.04	-7,470.54	5,539.83	2,054.78	1,757.81	296.97	6.919		
18,100.00	7,730.00	18,962.42	7,480.00	154.18	167.51	-83.04	-7,570.54	5,539.49	2,054.79	1,754.49	300.30	6.842		
18,200.00	7,730.00	19,062.42	7,480.00	155.82	168.92	-83.04	-7,670.54	5,539.16	2,054.79	1,751.16	303.63	6.767		
18,300.00	7,730.00	19,162.42	7,480.00	157.46	170.35	-83.04	-7,770.54	5,538.82	2,054.79	1,747.82	306.97	6.694		
18,400.00	7,730.00	19,262.42	7,480.00	159.11	171.78	-83.04	-7,870.54	5,538.48	2,054.79	1,744.48	310.31	6.622		
18,500.00	7,730.00	19,362.42	7,480.00	160.75	173.23	-83.04	-7,970.54	5,538.15	2,054.79	1,741.14	313.65	6.551		
18,600.00	7,730.00	19,462.42	7,480.00	162.40	174.68	-83.04	-8,070.54	5,537.81	2,054.79	1,737.79	317.00	6.482		
18,700.00	7,730.00	19,562.42	7,480.00	164.05	176.14	-83.04	-8,170.54	5,537.47	2,054.79	1,734.45	320.35	6.414		
18,800.00	7,730.00	19,662.42	7,480.00	165.71	177.61	-83.04	-8,270.54	5,537.14	2,054.79	1,731.09	323.70	6.348		
18,900.00	7,730.00	19,762.42	7,480.00	167.36	179.09	-83.04	-8,370.54	5,536.80	2,054.79	1,727.74	327.06	6.283		
18,942.39	7,730.00	19,804.81	7,480.00	168.07	179.71	-83.04	-8,412.93	5,536.66	2,054.79	1,726.31	328.48	6.255 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1N-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	-1.00	0.00	0.00	90.60	-0.73	70.00	70.00					
100.00	100.00	99.00	99.00	0.13	0.13	90.60	-0.73	70.00	70.00	69.74	0.27	261.689	CC, ES	
200.00	200.00	196.74	196.72	0.49	0.48	90.15	-0.18	71.54	71.58	70.60	0.98	73.159		
300.00	300.00	294.24	294.09	0.85	0.84	88.89	1.47	76.20	76.38	74.68	1.69	45.133		
400.00	400.00	391.29	390.78	1.21	1.20	87.12	4.22	83.94	84.45	82.05	2.40	35.118		
500.00	500.00	487.67	486.49	1.57	1.58	85.15	8.03	94.68	95.84	92.73	3.11	30.775		
600.00	600.00	583.17	580.89	1.93	1.98	83.22	12.87	108.31	110.56	106.74	3.82	28.952		
700.00	700.00	677.61	673.70	2.29	2.40	81.48	18.69	124.69	128.59	124.08	4.52	28.469		
800.00	800.00	770.79	764.68	2.64	2.86	79.96	25.43	143.67	149.89	144.68	5.21	28.782		
900.00	899.98	862.95	853.97	3.00	3.34	19.12	33.06	165.18	172.77	166.89	5.88	29.375		
1,000.00	999.84	954.47	941.85	3.35	3.85	18.34	41.59	189.20	195.58	189.04	6.54	29.904		
1,100.00	1,099.45	1,045.34	1,028.28	3.71	4.40	17.86	50.99	215.66	218.25	211.04	7.20	30.307		
1,200.00	1,198.70	1,135.60	1,113.20	4.08	4.99	17.61	61.22	244.48	240.74	232.87	7.87	30.608		
1,300.00	1,297.47	1,225.26	1,196.55	4.47	5.63	17.52	72.27	275.60	263.02	254.49	8.53	30.831		
1,400.00	1,395.62	1,314.34	1,278.30	4.87	6.30	17.55	84.10	308.93	285.08	275.88	9.20	30.985		
1,500.00	1,493.06	1,402.85	1,358.40	5.31	7.02	17.67	96.69	344.40	306.90	297.02	9.88	31.073		
1,600.00	1,589.64	1,490.81	1,436.82	5.77	7.79	17.87	110.03	381.95	328.46	317.90	10.56	31.096		
1,700.00	1,685.27	1,578.24	1,513.51	6.28	8.60	18.13	124.07	421.50	349.76	338.50	11.26	31.059		
1,800.00	1,779.82	1,665.15	1,588.44	6.83	9.46	18.44	138.80	462.99	370.77	358.80	11.97	30.964		
1,900.00	1,873.17	1,751.56	1,661.58	7.43	10.37	18.78	154.19	506.34	391.50	378.79	12.71	30.812		
2,000.00	1,965.21	1,837.49	1,732.91	8.08	11.32	19.16	170.22	551.49	411.93	398.47	13.46	30.603		
2,100.00	2,055.84	1,922.95	1,802.39	8.79	12.32	19.56	186.86	598.38	432.06	417.82	14.24	30.336		
2,200.00	2,144.94	2,007.96	1,870.00	9.56	13.36	19.99	204.10	646.93	451.88	436.83	15.06	30.013		
2,300.00	2,232.39	2,092.53	1,935.72	10.39	14.46	20.44	221.91	697.09	471.39	455.48	15.91	29.632		
2,400.00	2,318.11	2,176.69	1,999.53	11.30	15.60	20.91	240.27	748.80	490.58	473.78	16.80	29.193		
2,504.60	2,405.78	2,264.29	2,064.20	12.31	16.85	21.41	260.03	804.47	510.30	492.51	17.79	28.678		
2,600.00	2,484.79	2,352.82	2,128.15	13.28	18.14	22.03	280.52	862.17	528.89	509.98	18.91	27.970		
2,700.00	2,567.60	2,450.68	2,198.73	14.32	19.60	22.67	303.20	926.05	548.61	528.39	20.21	27.140		
2,800.00	2,650.41	2,548.54	2,269.32	15.37	21.06	23.27	325.88	989.93	568.38	546.83	21.55	26.372		
2,900.00	2,733.23	2,646.40	2,339.90	16.44	22.53	23.83	348.56	1,053.80	588.21	565.29	22.92	25.663		
3,000.00	2,816.04	2,744.26	2,410.48	17.52	24.00	24.35	371.24	1,117.68	608.09	583.78	24.32	25.007		
3,100.00	2,898.85	2,842.12	2,481.06	18.60	25.48	24.83	393.91	1,181.56	628.02	602.28	25.74	24.402		
3,200.00	2,981.67	2,939.98	2,551.64	19.69	26.97	25.29	416.59	1,245.44	647.99	620.81	27.18	23.842		
3,300.00	3,064.48	3,037.84	2,622.22	20.79	28.45	25.72	439.27	1,309.32	667.99	639.35	28.64	23.323		
3,400.00	3,147.30	3,135.70	2,692.80	21.90	29.94	26.12	461.95	1,373.19	688.03	657.91	30.12	22.842		
3,500.00	3,230.11	3,233.56	2,763.38	23.00	31.43	26.50	484.63	1,437.07	708.10	676.48	31.62	22.396		
3,600.00	3,312.92	3,331.41	2,833.96	24.12	32.93	26.86	507.31	1,500.95	728.20	695.07	33.13	21.981		
3,700.00	3,395.74	3,429.27	2,904.55	25.23	34.42	27.21	529.99	1,564.83	748.32	713.66	34.65	21.594		
3,800.00	3,478.55	3,527.13	2,975.13	26.35	35.92	27.53	552.67	1,628.71	768.47	732.28	36.19	21.233		
3,900.00	3,561.36	3,624.99	3,045.71	27.47	37.42	27.84	575.35	1,692.59	788.64	750.90	37.74	20.896		
4,000.00	3,644.18	3,722.85	3,116.29	28.59	38.92	28.13	598.03	1,756.46	808.83	769.53	39.30	20.581		
4,100.00	3,726.99	3,820.71	3,186.87	29.72	40.42	28.41	620.71	1,820.34	829.04	788.17	40.87	20.285		
4,200.00	3,809.81	3,918.57	3,257.45	30.85	41.93	28.67	643.38	1,884.22	849.27	806.82	42.45	20.008		
4,300.00	3,892.62	4,016.43	3,328.03	31.98	43.43	28.92	666.06	1,948.10	869.51	825.48	44.03	19.747		
4,400.00	3,975.43	4,114.29	3,398.61	33.11	44.93	29.16	688.74	2,011.98	889.77	844.14	45.63	19.501		
4,500.00	4,058.25	4,212.15	3,469.19	34.24	46.44	29.39	711.42	2,075.86	910.04	862.82	47.23	19.269		
4,600.00	4,141.06	4,310.01	3,539.77	35.37	47.95	29.61	734.10	2,139.73	930.33	881.50	48.84	19.050		
4,700.00	4,223.87	4,407.87	3,610.36	36.50	49.45	29.82	756.78	2,203.61	950.63	900.18	50.45	18.843		
4,800.00	4,306.69	4,505.73	3,680.94	37.64	50.96	30.02	779.46	2,267.49	970.94	918.88	52.07	18.648		
4,900.00	4,389.50	4,603.59	3,751.52	38.77	52.47	30.22	802.14	2,331.37	991.27	937.57	53.69	18.462		
5,000.00	4,472.32	4,701.45	3,822.10	39.91	53.97	30.40	824.82	2,395.25	1,011.60	956.28	55.32	18.285		
5,100.00	4,555.13	4,800.70	3,892.68	41.05	55.50	30.58	847.50	2,459.12	1,031.94	974.98	56.97	18.114		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1N-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,902.84	3,963.26	42.18	57.08	30.75	870.17	2,523.00	1,052.30	993.66	58.64	17.945		
5,300.00	4,720.76	4,995.02	4,033.84	43.32	58.50	30.92	892.85	2,586.88	1,072.66	1,012.42	60.24	17.807		
5,400.00	4,803.57	5,092.88	4,104.42	44.46	60.01	31.08	915.53	2,650.76	1,093.03	1,031.14	61.89	17.662		
5,500.00	4,886.39	5,209.26	4,175.00	45.60	61.80	31.23	938.21	2,714.64	1,113.40	1,049.72	63.69	17.483		
5,600.00	4,969.20	5,288.60	4,245.58	46.74	63.03	31.38	960.89	2,778.52	1,133.79	1,068.60	65.19	17.392		
5,700.00	5,052.01	5,386.46	4,316.17	47.88	64.54	31.52	983.57	2,842.39	1,154.18	1,087.33	66.85	17.266		
5,800.00	5,134.83	5,484.32	4,386.75	49.02	66.05	31.66	1,006.25	2,906.27	1,174.58	1,106.07	68.51	17.145		
5,900.00	5,217.64	5,582.18	4,457.33	50.16	67.56	31.79	1,028.93	2,970.15	1,194.98	1,124.81	70.17	17.030		
6,000.00	5,300.45	5,680.04	4,527.91	51.30	69.07	31.92	1,051.61	3,034.03	1,215.39	1,143.56	71.84	16.919		
6,100.00	5,383.27	5,777.90	4,598.49	52.45	70.58	32.04	1,074.29	3,097.91	1,235.81	1,162.31	73.50	16.813		
6,200.00	5,466.08	5,875.76	4,669.07	53.59	72.09	32.16	1,096.97	3,161.79	1,256.23	1,181.06	75.17	16.711		
6,300.00	5,548.90	5,973.62	4,739.65	54.73	73.60	32.28	1,119.64	3,225.66	1,276.66	1,199.81	76.85	16.613		
6,400.00	5,631.71	6,071.48	4,810.23	55.87	75.12	32.39	1,142.32	3,289.54	1,297.09	1,218.56	78.52	16.519		
6,500.00	5,714.52	6,169.34	4,880.81	57.02	76.63	32.50	1,165.00	3,353.42	1,317.52	1,237.32	80.20	16.428		
6,600.00	5,797.34	6,267.19	4,951.40	58.16	78.14	32.60	1,187.68	3,417.30	1,337.96	1,256.08	81.88	16.341		
6,700.00	5,880.15	6,365.05	5,021.98	59.30	79.65	32.71	1,210.36	3,481.18	1,358.41	1,274.85	83.56	16.257		
6,800.00	5,962.96	6,462.91	5,092.56	60.45	81.16	32.81	1,233.04	3,545.05	1,378.86	1,293.61	85.24	16.175		
6,900.00	6,045.78	6,560.77	5,163.14	61.59	82.68	32.90	1,255.72	3,608.93	1,399.31	1,312.38	86.93	16.097		
7,000.00	6,128.59	6,658.63	5,233.72	62.73	84.19	33.00	1,278.40	3,672.81	1,419.77	1,331.15	88.62	16.022		
7,100.00	6,211.41	6,756.49	5,304.30	63.88	85.70	33.09	1,301.08	3,736.69	1,440.22	1,349.92	90.30	15.949		
7,200.00	6,294.22	6,854.35	5,374.88	65.02	87.21	33.18	1,323.76	3,800.57	1,460.69	1,368.70	91.99	15.878		
7,300.00	6,377.03	6,952.21	5,445.46	66.17	88.73	33.26	1,346.43	3,864.45	1,481.15	1,387.47	93.68	15.810		
7,400.00	6,459.85	7,050.07	5,516.04	67.31	90.24	33.35	1,369.11	3,928.32	1,501.62	1,406.25	95.38	15.744		
7,500.00	6,542.66	7,147.93	5,586.62	68.46	91.75	33.43	1,391.79	3,992.20	1,522.10	1,425.03	97.07	15.680		
7,600.00	6,625.48	7,245.79	5,657.21	69.60	93.27	33.51	1,414.47	4,056.08	1,542.57	1,443.81	98.76	15.619		
7,700.00	6,708.29	7,343.65	5,727.79	70.75	94.78	33.58	1,437.15	4,119.96	1,563.05	1,462.59	100.46	15.559		
7,800.00	6,791.10	7,441.51	5,798.37	71.89	96.29	33.66	1,459.83	4,183.84	1,583.53	1,481.37	102.16	15.501		
7,900.00	6,873.92	7,539.37	5,868.95	73.04	97.80	33.73	1,482.51	4,247.71	1,604.01	1,500.16	103.86	15.444		
8,000.00	6,956.73	7,637.23	5,939.53	74.18	99.32	33.80	1,505.19	4,311.59	1,624.50	1,518.94	105.56	15.390		
8,100.00	7,039.54	7,735.08	6,010.11	75.33	100.83	33.87	1,527.87	4,375.47	1,644.99	1,537.73	107.26	15.337		
8,165.32	7,093.63	7,799.00	6,056.21	76.08	101.82	33.92	1,542.68	4,417.19	1,658.37	1,550.00	108.37	15.303		
8,200.00	7,122.60	7,832.97	6,080.71	76.47	102.35	29.79	1,550.55	4,439.37	1,665.33	1,556.44	108.89	15.294		
8,250.00	7,165.05	7,881.87	6,115.98	77.01	103.10	22.94	1,561.88	4,471.28	1,674.83	1,565.44	109.39	15.311		
8,300.00	7,208.03	7,930.34	6,150.94	77.52	103.85	15.24	1,573.12	4,502.92	1,683.67	1,574.08	109.59	15.363		
8,350.00	7,251.22	7,978.01	6,185.32	77.99	104.59	7.08	1,584.17	4,534.05	1,691.83	1,582.33	109.49	15.451		
8,400.00	7,294.28	8,024.54	6,218.88	78.41	105.31	-1.11	1,594.95	4,564.41	1,699.35	1,590.25	109.10	15.576		
8,450.00	7,336.90	8,069.55	6,251.34	78.78	106.00	-8.89	1,605.38	4,593.79	1,706.29	1,597.86	108.43	15.737		
8,500.00	7,378.73	8,112.70	6,282.47	79.10	106.67	-16.00	1,615.38	4,621.96	1,712.73	1,605.25	107.48	15.936		
8,550.00	7,419.47	8,153.68	6,312.02	79.37	107.31	-22.29	1,624.88	4,648.71	1,718.78	1,612.50	106.28	16.172		
8,600.00	7,458.81	8,192.16	6,339.78	79.59	107.90	-27.74	1,633.80	4,673.83	1,724.58	1,619.71	104.87	16.446		
8,650.00	7,496.44	8,227.86	6,365.53	79.76	108.45	-32.38	1,642.07	4,697.13	1,730.25	1,626.98	103.26	16.756		
8,700.00	7,532.08	8,260.50	6,389.07	79.88	108.96	-36.29	1,649.63	4,718.44	1,735.92	1,634.41	101.52	17.100		
8,750.00	7,565.46	8,289.84	6,410.22	79.95	109.41	-39.54	1,656.43	4,737.59	1,741.75	1,642.08	99.67	17.475		
8,800.00	7,596.33	8,315.64	6,428.84	79.98	109.81	-42.18	1,662.41	4,754.43	1,747.84	1,650.07	97.78	17.876		
8,850.00	7,624.44	8,337.72	6,444.76	79.97	110.15	-44.26	1,667.53	4,768.84	1,754.32	1,658.43	95.89	18.295		
8,900.00	7,649.59	8,355.90	6,457.88	79.93	110.43	-45.82	1,671.74	4,780.71	1,761.27	1,667.20	94.07	18.723		
8,950.00	7,671.59	8,370.06	6,468.08	79.84	110.65	-46.89	1,675.02	4,789.95	1,768.76	1,676.38	92.37	19.148		
9,000.00	7,690.26	8,380.07	6,475.31	79.73	110.81	-47.50	1,677.34	4,796.49	1,776.81	1,685.97	90.85	19.558		
9,050.00	7,705.47	8,385.87	6,479.49	79.59	110.90	-47.67	1,678.69	4,800.27	1,785.44	1,695.90	89.54	19.941		
9,100.00	7,717.09	8,387.40	6,480.59	79.43	110.92	-47.43	1,679.04	4,801.28	1,794.61	1,706.13	88.48	20.283		
9,150.00	7,725.04	8,384.67	6,478.62	79.26	110.88	-46.79	1,678.41	4,799.49	1,804.25	1,716.56	87.69	20.576		
9,200.00	7,729.27	8,377.68	6,473.58	79.06	110.77	-45.79	1,676.79	4,794.93	1,814.26	1,727.08	87.18	20.811		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1N-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	8,371.20	6,468.91	78.93	110.67	-44.99	1,675.29	4,790.70	1,820.63	1,733.63	87.00	20.927		
9,300.00	7,730.00	8,355.09	6,457.29	78.65	110.42	-44.49	1,671.55	4,780.19	1,835.96	1,748.98	86.98	21.108		
9,400.00	7,730.00	8,331.70	6,440.42	78.26	110.06	-43.76	1,666.13	4,764.91	1,862.28	1,774.45	87.83	21.203		
9,500.00	7,730.00	8,308.30	6,423.54	77.89	109.70	-43.03	1,660.71	4,749.64	1,893.24	1,803.65	89.59	21.132		
9,600.00	7,730.00	8,284.91	6,406.67	77.53	109.34	-42.30	1,655.29	4,734.37	1,928.60	1,836.52	92.08	20.945		
9,700.00	7,730.00	8,261.51	6,389.80	77.19	108.97	-41.58	1,649.87	4,719.10	1,968.14	1,873.02	95.12	20.692		
9,800.00	7,730.00	8,238.12	6,372.92	76.88	108.61	-40.86	1,644.45	4,703.83	2,011.60	1,913.08	98.53	20.417		
9,900.00	7,730.00	8,214.72	6,356.05	76.58	108.25	-40.14	1,639.02	4,688.56	2,058.74	1,956.59	102.16	20.152		
10,000.00	7,730.00	8,191.33	6,339.17	76.30	107.89	-39.42	1,633.60	4,673.28	2,109.32	2,003.42	105.90	19.919		
10,100.00	7,730.00	8,167.93	6,322.30	76.04	107.53	-38.70	1,628.18	4,658.01	2,163.08	2,053.44	109.64	19.729		
10,200.00	7,730.00	8,144.53	6,305.43	75.79	107.16	-37.99	1,622.76	4,642.74	2,219.80	2,106.47	113.32	19.588		
10,300.00	7,730.00	8,121.14	6,288.55	75.57	106.80	-37.28	1,617.34	4,627.47	2,279.25	2,162.36	116.89	19.499		
10,400.00	7,730.00	8,097.74	6,271.68	75.36	106.44	-36.58	1,611.91	4,612.20	2,341.24	2,220.92	120.32	19.459		
10,500.00	7,730.00	11,752.95	7,730.00	75.18	130.43	-90.02	28.18	5,925.10	2,399.59	2,306.43	93.15	25.759		
10,600.00	7,730.00	11,852.95	7,730.00	75.01	130.30	-90.02	-71.82	5,924.76	2,399.59	2,305.82	93.76	25.592		
10,700.00	7,730.00	11,952.95	7,730.00	74.86	130.18	-90.02	-171.82	5,924.42	2,399.59	2,305.09	94.50	25.393		
10,800.00	7,730.00	12,052.95	7,730.00	74.74	130.07	-90.02	-271.82	5,924.08	2,399.59	2,304.23	95.36	25.164		
10,900.00	7,730.00	12,152.95	7,730.00	74.64	129.97	-90.02	-371.82	5,923.74	2,399.59	2,303.24	96.34	24.907		
11,000.00	7,730.00	12,252.95	7,730.00	74.56	129.88	-90.02	-471.82	5,923.41	2,399.59	2,302.14	97.45	24.625		
11,100.00	7,730.00	12,352.95	7,730.00	74.51	129.81	-90.02	-571.82	5,923.07	2,399.59	2,300.92	98.66	24.321		
11,200.00	7,730.00	12,452.95	7,730.00	74.48	129.74	-90.02	-671.82	5,922.73	2,399.59	2,299.60	99.99	23.998		
11,300.00	7,730.00	12,552.95	7,730.00	74.48	129.69	-90.02	-771.82	5,922.39	2,399.59	2,298.16	101.42	23.659		
11,400.00	7,730.00	12,652.95	7,730.00	74.50	129.64	-90.02	-871.82	5,922.06	2,399.59	2,296.63	102.96	23.307		
11,500.00	7,730.00	12,752.95	7,730.00	74.56	129.61	-90.02	-971.82	5,921.72	2,399.58	2,295.00	104.59	22.943		
11,600.00	7,730.00	12,852.95	7,730.00	74.66	129.59	-90.02	-1,071.82	5,921.38	2,399.58	2,293.27	106.31	22.571		
11,700.00	7,730.00	12,952.95	7,730.00	74.79	129.59	-90.02	-1,171.82	5,921.04	2,399.58	2,291.46	108.12	22.193		
11,800.00	7,730.00	13,052.95	7,730.00	74.96	129.59	-90.02	-1,271.82	5,920.70	2,399.58	2,289.57	110.02	21.811		
11,900.00	7,730.00	13,152.95	7,730.00	75.17	129.61	-90.02	-1,371.82	5,920.37	2,399.58	2,287.59	111.99	21.426		
12,000.00	7,730.00	13,252.95	7,730.00	75.43	129.64	-90.02	-1,471.81	5,920.03	2,399.58	2,285.54	114.04	21.041		
12,100.00	7,730.00	13,352.95	7,730.00	75.73	129.69	-90.02	-1,571.81	5,919.69	2,399.58	2,283.42	116.16	20.657		
12,200.00	7,730.00	13,452.95	7,730.00	76.09	129.75	-90.02	-1,671.81	5,919.35	2,399.58	2,281.23	118.35	20.275		
12,300.00	7,730.00	13,552.95	7,730.00	76.51	129.82	-90.02	-1,771.81	5,919.01	2,399.58	2,278.98	120.60	19.897		
12,400.00	7,730.00	13,652.95	7,730.00	76.97	129.91	-90.02	-1,871.81	5,918.68	2,399.58	2,276.67	122.91	19.522		
12,500.00	7,730.00	13,752.95	7,730.00	77.50	130.01	-90.02	-1,971.81	5,918.34	2,399.58	2,274.30	125.28	19.153		
12,600.00	7,730.00	13,852.95	7,730.00	78.09	130.13	-90.02	-2,071.81	5,918.00	2,399.58	2,271.88	127.71	18.790		
12,700.00	7,730.00	13,952.95	7,730.00	78.74	130.26	-90.02	-2,171.81	5,917.66	2,399.58	2,269.40	130.18	18.433		
12,800.00	7,730.00	14,052.95	7,730.00	79.45	130.42	-90.02	-2,271.81	5,917.33	2,399.58	2,266.88	132.70	18.083		
12,900.00	7,730.00	14,152.95	7,730.00	80.22	130.58	-90.02	-2,371.81	5,916.99	2,399.58	2,264.32	135.27	17.740		
13,000.00	7,730.00	14,252.95	7,730.00	81.05	130.77	-90.02	-2,471.81	5,916.65	2,399.58	2,261.71	137.87	17.404		
13,100.00	7,730.00	14,352.95	7,730.00	81.94	130.97	-90.02	-2,571.81	5,916.31	2,399.58	2,259.06	140.52	17.076		
13,200.00	7,730.00	14,452.95	7,730.00	82.87	131.19	-90.02	-2,671.81	5,915.97	2,399.58	2,256.37	143.21	16.756		
13,300.00	7,730.00	14,552.95	7,730.00	83.86	131.43	-90.02	-2,771.81	5,915.64	2,399.58	2,253.65	145.93	16.443		
13,400.00	7,730.00	14,652.95	7,730.00	84.90	131.69	-90.02	-2,871.81	5,915.30	2,399.58	2,250.89	148.69	16.138		
13,500.00	7,730.00	14,752.95	7,730.00	85.97	131.97	-90.02	-2,971.81	5,914.96	2,399.58	2,248.10	151.48	15.841		
13,600.00	7,730.00	14,852.95	7,730.00	87.09	132.27	-90.02	-3,071.81	5,914.62	2,399.58	2,245.28	154.30	15.552		
13,700.00	7,730.00	14,952.95	7,730.00	88.25	132.59	-90.02	-3,171.81	5,914.29	2,399.58	2,242.43	157.15	15.270		
13,800.00	7,730.00	15,052.95	7,730.00	89.44	132.93	-90.02	-3,271.80	5,913.95	2,399.58	2,239.56	160.02	14.995		
13,900.00	7,730.00	15,152.95	7,730.00	90.66	133.30	-90.02	-3,371.80	5,913.61	2,399.58	2,236.66	162.92	14.728		
14,000.00	7,730.00	15,252.95	7,730.00	91.92	133.69	-90.02	-3,471.80	5,913.27	2,399.58	2,233.73	165.85	14.468		
14,100.00	7,730.00	15,352.95	7,730.00	93.20	134.10	-90.02	-3,571.80	5,912.93	2,399.58	2,230.78	168.80	14.216		
14,200.00	7,730.00	15,452.95	7,730.00	94.50	134.54	-90.02	-3,671.80	5,912.60	2,399.58	2,227.81	171.77	13.970		
14,300.00	7,730.00	15,552.95	7,730.00	95.83	135.00	-90.02	-3,771.80	5,912.26	2,399.58	2,224.82	174.76	13.731		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1N-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,400.00	7,730.00	15,652.95	7,730.00	97.17	135.49	-90.02	-3,871.80	5,911.92	2,399.58	2,221.81	177.77	13.498		
14,500.00	7,730.00	15,752.95	7,730.00	98.54	136.01	-90.02	-3,971.80	5,911.58	2,399.58	2,218.78	180.80	13.272		
14,600.00	7,730.00	15,852.95	7,730.00	99.92	136.55	-90.02	-4,071.80	5,911.24	2,399.58	2,215.73	183.85	13.052		
14,700.00	7,730.00	15,952.95	7,730.00	101.32	137.11	-90.02	-4,171.80	5,910.91	2,399.58	2,212.66	186.92	12.838		
14,800.00	7,730.00	16,052.95	7,730.00	102.74	137.71	-90.02	-4,271.80	5,910.57	2,399.58	2,209.58	190.00	12.629		
14,900.00	7,730.00	16,152.95	7,730.00	104.17	138.33	-90.02	-4,371.80	5,910.23	2,399.58	2,206.48	193.10	12.427		
15,000.00	7,730.00	16,252.95	7,730.00	105.62	138.98	-90.02	-4,471.80	5,909.89	2,399.58	2,203.37	196.21	12.230		
15,100.00	7,730.00	16,352.95	7,730.00	107.07	139.66	-90.02	-4,571.80	5,909.56	2,399.58	2,200.24	199.34	12.038		
15,200.00	7,730.00	16,452.95	7,730.00	108.54	140.36	-90.02	-4,671.80	5,909.22	2,399.58	2,197.10	202.48	11.851		
15,300.00	7,730.00	16,552.95	7,730.00	110.02	141.09	-90.02	-4,771.80	5,908.88	2,399.58	2,193.95	205.63	11.670		
15,400.00	7,730.00	16,652.95	7,730.00	111.51	141.86	-90.02	-4,871.80	5,908.54	2,399.58	2,190.79	208.79	11.493		
15,500.00	7,730.00	16,752.95	7,730.00	113.01	142.64	-90.02	-4,971.79	5,908.20	2,399.58	2,187.61	211.97	11.320		
15,600.00	7,730.00	16,852.95	7,730.00	114.52	143.46	-90.02	-5,071.79	5,907.87	2,399.58	2,184.42	215.16	11.153		
15,700.00	7,730.00	16,952.95	7,730.00	116.04	144.31	-90.02	-5,171.79	5,907.53	2,399.58	2,181.22	218.35	10.989		
15,800.00	7,730.00	17,052.95	7,730.00	117.56	145.18	-90.02	-5,271.79	5,907.19	2,399.58	2,178.02	221.56	10.830		
15,900.00	7,730.00	17,152.95	7,730.00	119.09	146.07	-90.02	-5,371.79	5,906.85	2,399.58	2,174.80	224.78	10.675		
16,000.00	7,730.00	17,252.95	7,730.00	120.63	147.00	-90.02	-5,471.79	5,906.52	2,399.58	2,171.57	228.01	10.524		
16,100.00	7,730.00	17,352.95	7,730.00	122.18	147.95	-90.02	-5,571.79	5,906.18	2,399.58	2,168.33	231.24	10.377		
16,200.00	7,730.00	17,452.95	7,730.00	123.73	148.92	-90.02	-5,671.79	5,905.84	2,399.58	2,165.09	234.49	10.233		
16,300.00	7,730.00	17,552.95	7,730.00	125.29	149.92	-90.02	-5,771.79	5,905.50	2,399.58	2,161.83	237.74	10.093		
16,400.00	7,730.00	17,652.95	7,730.00	126.86	150.95	-90.02	-5,871.79	5,905.16	2,399.58	2,158.57	241.00	9.957		
16,500.00	7,730.00	17,752.95	7,730.00	128.43	151.99	-90.02	-5,971.79	5,904.83	2,399.58	2,155.30	244.27	9.823		
16,600.00	7,730.00	17,852.95	7,730.00	130.01	153.06	-90.02	-6,071.79	5,904.49	2,399.58	2,152.03	247.55	9.693		
16,700.00	7,730.00	17,952.95	7,730.00	131.59	154.16	-90.02	-6,171.79	5,904.15	2,399.58	2,148.75	250.83	9.567		
16,800.00	7,730.00	18,052.95	7,730.00	133.18	155.27	-90.02	-6,271.79	5,903.81	2,399.58	2,145.46	254.12	9.443		
16,900.00	7,730.00	18,152.95	7,730.00	134.77	156.41	-90.02	-6,371.79	5,903.48	2,399.58	2,142.16	257.42	9.322		
17,000.00	7,730.00	18,252.95	7,730.00	136.37	157.56	-90.02	-6,471.79	5,903.14	2,399.58	2,138.86	260.72	9.204		
17,100.00	7,730.00	18,352.95	7,730.00	137.97	158.74	-90.02	-6,571.79	5,902.80	2,399.58	2,135.55	264.03	9.088		
17,200.00	7,730.00	18,452.95	7,730.00	139.57	159.93	-90.02	-6,671.79	5,902.46	2,399.58	2,132.23	267.34	8.976		
17,300.00	7,730.00	18,552.95	7,730.00	141.18	161.14	-90.02	-6,771.78	5,902.12	2,399.58	2,128.91	270.66	8.866		
17,400.00	7,730.00	18,652.95	7,730.00	142.79	162.37	-90.02	-6,871.78	5,901.79	2,399.58	2,125.59	273.99	8.758		
17,500.00	7,730.00	18,752.95	7,730.00	144.41	163.62	-90.02	-6,971.78	5,901.45	2,399.58	2,122.26	277.32	8.653		
17,600.00	7,730.00	18,852.95	7,730.00	146.03	164.88	-90.02	-7,071.78	5,901.11	2,399.58	2,118.92	280.65	8.550		
17,700.00	7,730.00	18,952.95	7,730.00	147.65	166.16	-90.02	-7,171.78	5,900.77	2,399.57	2,115.58	283.99	8.449		
17,800.00	7,730.00	19,052.95	7,730.00	149.28	167.45	-90.02	-7,271.78	5,900.43	2,399.57	2,112.24	287.34	8.351		
17,900.00	7,730.00	19,152.95	7,730.00	150.91	168.76	-90.02	-7,371.78	5,900.10	2,399.57	2,108.89	290.69	8.255		
18,000.00	7,730.00	19,252.95	7,730.00	152.54	170.08	-90.02	-7,471.78	5,899.76	2,399.57	2,105.53	294.04	8.161		
18,100.00	7,730.00	19,352.95	7,730.00	154.18	171.41	-90.02	-7,571.78	5,899.42	2,399.57	2,102.18	297.40	8.069		
18,200.00	7,730.00	19,452.95	7,730.00	155.82	172.76	-90.02	-7,671.78	5,899.08	2,399.57	2,098.81	300.76	7.978		
18,300.00	7,730.00	19,552.95	7,730.00	157.46	174.12	-90.02	-7,771.78	5,898.75	2,399.57	2,095.45	304.13	7.890		
18,400.00	7,730.00	19,652.95	7,730.00	159.11	175.49	-90.02	-7,871.78	5,898.41	2,399.57	2,092.08	307.49	7.804		
18,500.00	7,730.00	19,752.95	7,730.00	160.75	176.87	-90.02	-7,971.78	5,898.07	2,399.57	2,088.71	310.87	7.719		
18,600.00	7,730.00	19,852.95	7,730.00	162.40	178.26	-90.02	-8,071.78	5,897.73	2,399.57	2,085.33	314.24	7.636		
18,700.00	7,730.00	19,952.95	7,730.00	164.05	179.67	-90.02	-8,171.78	5,897.39	2,399.57	2,081.95	317.62	7.555		
18,800.00	7,730.00	20,052.95	7,730.00	165.71	181.08	-90.02	-8,271.78	5,897.06	2,399.57	2,078.56	321.01	7.475		
18,900.00	7,730.00	20,152.95	7,730.00	167.36	182.50	-90.02	-8,371.78	5,896.72	2,399.57	2,075.18	324.39	7.397		
18,938.55	7,730.00	20,191.49	7,730.00	168.00	183.05	-90.02	-8,410.32	5,896.59	2,399.57	2,073.87	325.70	7.367		
18,942.39	7,730.00	20,184.95	7,730.00	168.07	182.96	-90.02	-8,403.78	5,896.61	2,399.60	2,073.49	326.11	7.358 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST FED 1A-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	-89.65	0.36	-60.20	60.20					
100.00	100.00	101.00	101.00	0.13	0.14	-89.65	0.36	-60.20	60.20	59.93	0.27	220.973		
200.00	200.00	201.00	201.00	0.49	0.50	-89.65	0.36	-60.20	60.20	59.21	0.99	60.848		
300.00	300.00	301.00	301.00	0.85	0.85	-89.65	0.36	-60.20	60.20	58.50	1.71	35.281		
400.00	400.00	401.00	401.00	1.21	1.21	-89.65	0.36	-60.20	60.20	57.78	2.42	24.843		
500.00	500.00	501.00	501.00	1.57	1.57	-89.65	0.36	-60.20	60.20	57.06	3.14	19.171		
600.00	600.00	601.00	601.00	1.93	1.93	-89.65	0.36	-60.20	60.20	56.34	3.86	15.608		
700.00	700.00	701.00	701.00	2.29	2.29	-89.65	0.36	-60.20	60.20	55.63	4.57	13.161		
800.00	800.00	801.00	801.00	2.64	2.65	-89.65	0.36	-60.20	60.20	54.91	5.29	11.378 CC, ES		
900.00	899.98	900.98	900.98	3.00	3.01	-150.05	0.36	-60.20	61.71	55.70	6.00	10.278		
1,000.00	999.84	1,000.84	1,000.84	3.35	3.36	-152.27	0.36	-60.20	66.29	59.58	6.71	9.874		
1,100.00	1,099.45	1,100.45	1,100.45	3.71	3.72	-155.34	0.36	-60.20	74.12	66.70	7.43	9.981		
1,200.00	1,198.70	1,200.30	1,199.70	4.08	4.08	-158.67	0.36	-60.20	85.36	77.22	8.14	10.484		
1,300.00	1,297.47	1,301.53	1,298.47	4.47	4.44	-161.83	0.36	-60.20	100.11	91.24	8.86	11.294		
1,400.00	1,395.62	1,396.62	1,396.62	4.87	4.78	-164.61	0.36	-60.20	118.41	108.84	9.57	12.378		
1,500.00	1,493.06	1,497.97	1,497.95	5.31	5.14	-166.63	1.69	-59.17	138.93	128.64	10.29	13.503		
1,600.00	1,589.64	1,600.09	1,599.93	5.77	5.51	-167.67	5.88	-55.92	160.02	149.01	11.01	14.533		
1,700.00	1,685.27	1,702.84	1,702.27	6.28	5.88	-168.04	13.00	-50.40	181.57	169.83	11.74	15.471		
1,800.00	1,779.82	1,806.20	1,804.84	6.83	6.25	-167.94	23.08	-42.58	203.52	191.06	12.47	16.326		
1,900.00	1,873.17	1,910.16	1,907.47	7.43	6.64	-167.51	36.16	-32.43	225.86	212.66	13.21	17.104		
2,000.00	1,965.21	2,014.71	2,010.00	8.08	7.05	-166.82	52.27	-19.93	248.59	234.63	13.96	17.808		
2,100.00	2,055.84	2,119.81	2,112.26	8.79	7.48	-165.94	71.44	-5.06	271.70	256.97	14.73	18.440		
2,200.00	2,144.94	2,225.45	2,214.08	9.56	7.94	-164.92	93.67	12.20	295.22	279.68	15.54	19.000		
2,300.00	2,232.39	2,331.62	2,315.28	10.39	8.44	-163.78	118.99	31.84	319.17	302.79	16.38	19.485		
2,400.00	2,318.11	2,438.28	2,415.70	11.30	8.98	-162.55	147.40	53.88	343.56	326.29	17.27	19.891		
2,504.60	2,405.78	2,550.37	2,519.70	12.31	9.59	-161.19	180.41	79.49	369.58	351.31	18.27	20.227		
2,600.00	2,484.79	2,653.38	2,613.78	13.28	10.21	-159.97	213.56	105.21	392.32	373.06	19.25	20.377		
2,700.00	2,567.60	2,751.25	2,702.32	14.32	10.83	-158.76	246.49	130.76	414.77	394.41	20.37	20.367		
2,800.00	2,650.41	2,848.35	2,790.17	15.37	11.47	-157.69	279.17	156.12	437.38	415.86	21.52	20.326		
2,900.00	2,733.23	2,945.44	2,878.02	16.44	12.13	-156.72	311.85	181.47	460.12	437.41	22.71	20.260		
3,000.00	2,816.04	3,042.54	2,965.86	17.52	12.80	-155.84	344.53	206.83	482.98	459.04	23.94	20.178		
3,100.00	2,898.85	3,139.64	3,053.71	18.60	13.49	-155.04	377.21	232.18	505.93	480.74	25.19	20.084		
3,200.00	2,981.67	3,236.73	3,141.56	19.69	14.19	-154.31	409.89	257.54	528.97	502.50	26.47	19.983		
3,300.00	3,064.48	3,333.83	3,229.40	20.79	14.89	-153.64	442.57	282.89	552.08	524.31	27.78	19.876		
3,400.00	3,147.30	3,430.93	3,317.25	21.90	15.61	-153.03	475.25	308.25	575.26	546.16	29.10	19.767		
3,500.00	3,230.11	3,528.03	3,405.10	23.00	16.33	-152.46	507.93	333.61	598.50	568.06	30.45	19.658		
3,600.00	3,312.92	3,625.12	3,492.94	24.12	17.06	-151.93	540.61	358.96	621.79	589.98	31.81	19.549		
3,700.00	3,395.74	3,722.22	3,580.79	25.23	17.79	-151.44	573.29	384.32	645.13	611.94	33.18	19.442		
3,800.00	3,478.55	3,819.32	3,668.63	26.35	18.53	-150.99	605.97	409.67	668.50	633.93	34.57	19.337		
3,900.00	3,561.36	3,916.42	3,756.48	27.47	19.28	-150.57	638.65	435.03	691.92	655.94	35.97	19.235		
4,000.00	3,644.18	4,013.51	3,844.33	28.59	20.02	-150.17	671.33	460.38	715.36	677.98	37.38	19.135		
4,100.00	3,726.99	4,110.61	3,932.17	29.72	20.77	-149.80	704.01	485.74	738.84	700.04	38.81	19.040		
4,200.00	3,809.81	4,207.71	4,020.02	30.85	21.53	-149.45	736.69	511.09	762.35	722.11	40.24	18.947		
4,300.00	3,892.62	4,304.81	4,107.87	31.98	22.28	-149.13	769.37	536.45	785.88	744.20	41.67	18.858		
4,400.00	3,975.43	4,401.90	4,195.71	33.11	23.04	-148.82	802.05	561.80	809.43	766.31	43.12	18.772		
4,500.00	4,058.25	4,499.00	4,283.56	34.24	23.80	-148.53	834.73	587.16	833.00	788.43	44.57	18.689		
4,600.00	4,141.06	4,603.90	4,371.41	35.37	24.63	-148.25	867.41	612.51	856.60	810.51	46.08	18.589		
4,700.00	4,223.87	4,706.81	4,459.25	36.50	25.44	-147.99	900.09	637.87	880.21	832.62	47.58	18.498		
4,800.00	4,306.69	4,790.29	4,547.10	37.64	26.10	-147.75	932.77	663.23	903.83	854.87	48.96	18.460		
4,900.00	4,389.50	4,887.39	4,634.95	38.77	26.87	-147.51	965.45	688.58	927.47	877.04	50.43	18.390		
5,000.00	4,472.32	4,984.49	4,722.79	39.91	27.64	-147.29	998.13	713.94	951.13	899.22	51.91	18.322		
5,100.00	4,555.13	5,081.58	4,810.64	41.05	28.41	-147.08	1,030.81	739.29	974.80	921.40	53.39	18.257		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST FED 1A-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	5,178.68	4,898.49	42.18	29.18	-146.88	1,063.49	764.65	998.48	943.60	54.88	18.194		
5,300.00	4,720.76	5,275.78	4,986.33	43.32	29.95	-146.69	1,096.17	790.00	1,022.17	965.80	56.37	18.134		
5,400.00	4,803.57	5,372.88	5,074.18	44.46	30.73	-146.50	1,128.85	815.36	1,045.87	988.01	57.86	18.076		
5,500.00	4,886.39	5,469.97	5,162.03	45.60	31.50	-146.33	1,161.53	840.71	1,069.58	1,010.23	59.35	18.020		
5,600.00	4,969.20	5,567.07	5,249.87	46.74	32.28	-146.16	1,194.21	866.07	1,093.30	1,032.45	60.85	17.967		
5,700.00	5,052.01	5,664.17	5,337.72	47.88	33.05	-146.00	1,226.89	891.42	1,117.03	1,054.68	62.35	17.915		
5,800.00	5,134.83	5,761.26	5,425.57	49.02	33.83	-145.85	1,259.57	916.78	1,140.77	1,076.91	63.85	17.865		
5,900.00	5,217.64	5,858.36	5,513.41	50.16	34.61	-145.70	1,292.25	942.13	1,164.51	1,099.15	65.36	17.817		
6,000.00	5,300.45	5,955.46	5,601.26	51.30	35.39	-145.56	1,324.93	967.49	1,188.26	1,121.40	66.87	17.771		
6,100.00	5,383.27	6,052.56	5,689.11	52.45	36.17	-145.42	1,357.61	992.84	1,212.02	1,143.65	68.37	17.726		
6,200.00	5,466.08	6,149.65	5,776.95	53.59	36.95	-145.29	1,390.29	1,018.20	1,235.79	1,165.90	69.88	17.683		
6,300.00	5,548.90	6,246.75	5,864.80	54.73	37.73	-145.16	1,422.97	1,043.56	1,259.56	1,188.16	71.40	17.642		
6,400.00	5,631.71	6,343.85	5,952.65	55.87	38.51	-145.04	1,455.65	1,068.91	1,283.33	1,210.42	72.91	17.602		
6,500.00	5,714.52	6,440.95	6,040.49	57.02	39.29	-144.93	1,488.33	1,094.27	1,307.11	1,232.69	74.43	17.563		
6,600.00	5,797.34	6,538.04	6,128.34	58.16	40.07	-144.81	1,521.01	1,119.62	1,330.90	1,254.96	75.94	17.525		
6,700.00	5,880.15	6,635.14	6,216.18	59.30	40.86	-144.70	1,553.69	1,144.98	1,354.69	1,277.23	77.46	17.489		
6,800.00	5,962.96	6,732.24	6,304.03	60.45	41.64	-144.60	1,586.37	1,170.33	1,378.48	1,299.50	78.98	17.454		
6,900.00	6,045.78	6,829.33	6,391.88	61.59	42.42	-144.50	1,619.05	1,195.69	1,402.28	1,321.78	80.50	17.420		
7,000.00	6,128.59	6,926.43	6,479.72	62.73	43.21	-144.40	1,651.73	1,221.04	1,426.08	1,344.06	82.02	17.387		
7,100.00	6,211.41	7,023.53	6,567.57	63.88	43.99	-144.30	1,684.41	1,246.40	1,449.89	1,366.35	83.55	17.355		
7,200.00	6,294.22	7,120.63	6,655.42	65.02	44.77	-144.21	1,717.09	1,271.75	1,473.70	1,388.63	85.07	17.324		
7,300.00	6,377.03	7,217.72	6,743.26	66.17	45.56	-144.12	1,749.77	1,297.11	1,497.52	1,410.92	86.59	17.293		
7,400.00	6,459.85	7,314.82	6,831.11	67.31	46.34	-144.04	1,782.45	1,322.46	1,521.33	1,433.21	88.12	17.264		
7,500.00	6,542.66	7,422.04	6,928.51	68.46	47.19	-143.99	1,817.32	1,350.57	1,545.06	1,455.34	89.72	17.221		
7,600.00	6,625.48	7,551.25	7,050.75	69.60	48.00	-144.75	1,838.34	1,385.77	1,567.24	1,476.61	90.64	17.292		
7,700.00	6,708.29	7,667.49	7,162.13	70.75	48.41	-146.28	1,832.49	1,417.76	1,588.10	1,497.73	90.37	17.573		
7,800.00	6,791.10	7,764.90	7,253.06	71.89	48.55	-148.13	1,809.66	1,443.81	1,609.07	1,519.61	89.46	17.986		
7,900.00	6,873.92	7,843.44	7,322.83	73.04	48.54	-149.94	1,779.79	1,463.76	1,631.62	1,543.29	88.33	18.472		
8,000.00	6,956.73	7,905.91	7,375.13	74.18	48.46	-151.56	1,749.12	1,478.69	1,656.89	1,569.73	87.16	19.009		
8,100.00	7,039.54	7,955.68	7,414.31	75.33	48.36	-152.96	1,720.56	1,489.85	1,685.61	1,599.59	86.03	19.594		
8,165.32	7,093.63	7,982.77	7,434.59	76.08	48.28	-153.75	1,703.55	1,495.62	1,706.45	1,621.15	85.30	20.006		
8,200.00	7,122.60	8,000.00	7,447.08	76.47	48.24	-160.32	1,692.23	1,499.17	1,718.20	1,633.37	84.83	20.254		
8,250.00	7,165.05	8,016.34	7,458.62	77.01	48.18	-170.31	1,681.14	1,502.45	1,735.84	1,651.45	84.39	20.569		
8,300.00	7,208.03	8,036.83	7,472.66	77.52	48.11	178.90	1,666.74	1,506.44	1,754.11	1,670.21	83.89	20.909		
8,350.00	7,251.22	8,057.74	7,486.45	77.99	48.04	167.83	1,651.53	1,510.35	1,772.77	1,689.36	83.42	21.252		
8,400.00	7,294.28	8,079.01	7,499.93	78.41	47.95	156.94	1,635.54	1,514.17	1,791.62	1,708.65	82.97	21.595		
8,450.00	7,336.90	8,100.00	7,512.67	78.78	47.87	146.68	1,619.24	1,517.77	1,810.44	1,727.88	82.56	21.929		
8,500.00	7,378.73	8,122.44	7,525.64	79.10	47.77	137.28	1,601.30	1,521.44	1,829.02	1,746.87	82.15	22.264		
8,550.00	7,419.47	8,150.00	7,540.64	79.37	47.65	128.83	1,578.58	1,525.67	1,847.21	1,765.55	81.66	22.622		
8,600.00	7,458.81	8,166.86	7,549.28	79.59	47.57	121.59	1,564.31	1,528.11	1,864.77	1,783.29	81.47	22.888		
8,650.00	7,496.44	8,189.37	7,560.19	79.76	47.46	115.24	1,544.86	1,531.18	1,881.58	1,800.39	81.19	23.175		
8,700.00	7,532.08	8,212.05	7,570.44	79.88	47.34	109.76	1,524.83	1,534.06	1,897.48	1,816.54	80.95	23.441		
8,750.00	7,565.46	8,234.89	7,579.97	79.95	47.22	105.07	1,504.26	1,536.73	1,912.33	1,831.59	80.74	23.684		
8,800.00	7,596.33	8,250.00	7,585.85	79.98	47.14	101.14	1,490.43	1,538.37	1,926.04	1,845.22	80.81	23.834		
8,850.00	7,624.44	8,280.94	7,596.77	79.97	46.97	97.69	1,461.65	1,541.41	1,938.39	1,857.90	80.48	24.084		
8,900.00	7,649.59	8,300.00	7,602.75	79.93	46.86	94.88	1,443.63	1,543.07	1,949.39	1,868.84	80.55	24.202		
8,950.00	7,671.59	8,327.40	7,610.33	79.84	46.71	92.52	1,417.38	1,545.16	1,958.90	1,878.48	80.42	24.358		
9,000.00	7,690.26	8,350.00	7,615.67	79.73	46.58	90.64	1,395.47	1,546.62	1,966.87	1,886.38	80.49	24.436		
9,050.00	7,705.47	8,374.15	7,620.45	79.59	46.43	89.17	1,371.83	1,547.91	1,973.24	1,892.67	80.57	24.491		
9,100.00	7,717.09	8,400.00	7,624.51	79.43	46.28	88.10	1,346.33	1,548.99	1,977.95	1,897.30	80.65	24.526		
9,150.00	7,725.04	8,421.09	7,626.99	79.26	46.15	87.42	1,325.40	1,549.63	1,980.97	1,900.04	80.92	24.479		
9,200.00	7,729.27	8,450.00	7,629.19	79.06	45.98	87.09	1,296.58	1,550.17	1,982.29	1,901.29	81.00	24.473		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST FED 1A-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	8,459.24	7,629.60	78.93	45.93	87.07	1,287.36	1,550.25	1,982.23	1,900.87	81.35	24.366		
9,275.68	7,730.00	8,482.70	7,630.00	78.75	45.78	87.08	1,267.29	1,550.30	1,981.94	1,900.31	81.63	24.279		
9,300.00	7,730.00	8,503.62	7,630.00	78.65	45.66	87.08	1,242.97	1,550.22	1,981.94	1,900.57	81.37	24.357		
9,400.00	7,730.00	8,603.62	7,630.00	78.26	45.09	87.08	1,142.97	1,549.88	1,981.94	1,901.62	80.33	24.674		
9,500.00	7,730.00	8,703.62	7,630.00	77.89	44.54	87.08	1,042.97	1,549.54	1,981.94	1,902.52	79.42	24.954		
9,600.00	7,730.00	8,803.62	7,630.00	77.53	44.04	87.08	942.97	1,549.20	1,981.94	1,903.27	78.67	25.193		
9,700.00	7,730.00	8,903.62	7,630.00	77.19	43.56	87.08	842.98	1,548.87	1,981.95	1,903.87	78.07	25.386		
9,800.00	7,730.00	9,003.62	7,630.00	76.88	43.11	87.08	742.98	1,548.53	1,981.95	1,904.32	77.63	25.531		
9,900.00	7,730.00	9,103.62	7,630.00	76.58	42.69	87.08	642.98	1,548.19	1,981.95	1,904.60	77.35	25.625		
10,000.00	7,730.00	9,203.62	7,630.00	76.30	42.29	87.08	542.98	1,547.85	1,981.95	1,904.72	77.22	25.665		
10,100.00	7,730.00	9,303.62	7,630.00	76.04	41.92	87.08	442.98	1,547.51	1,981.95	1,904.68	77.26	25.652		
10,200.00	7,730.00	9,403.62	7,630.00	75.79	41.58	87.08	342.98	1,547.17	1,981.95	1,904.48	77.47	25.585		
10,300.00	7,730.00	9,503.62	7,630.00	75.57	41.25	87.08	242.98	1,546.84	1,981.95	1,904.12	77.83	25.466		
10,400.00	7,730.00	9,603.62	7,630.00	75.36	40.95	87.08	142.98	1,546.50	1,981.95	1,903.60	78.35	25.297		
10,500.00	7,730.00	9,703.62	7,630.00	75.18	40.67	87.08	42.98	1,546.16	1,981.95	1,902.93	79.02	25.081		
10,600.00	7,730.00	9,803.62	7,630.00	75.01	40.41	87.08	-57.02	1,545.82	1,981.95	1,902.10	79.85	24.822		
10,700.00	7,730.00	9,903.62	7,630.00	74.86	40.16	87.08	-157.02	1,545.48	1,981.95	1,901.13	80.82	24.524		
10,800.00	7,730.00	10,003.62	7,630.00	74.74	39.94	87.08	-257.02	1,545.14	1,981.95	1,900.02	81.93	24.191		
10,900.00	7,730.00	10,103.62	7,630.00	74.64	40.08	87.08	-357.02	1,544.81	1,981.95	1,898.78	83.18	23.828		
11,000.00	7,730.00	10,203.62	7,630.00	74.56	40.98	87.08	-457.02	1,544.47	1,981.95	1,897.40	84.55	23.440		
11,100.00	7,730.00	10,303.62	7,630.00	74.51	41.98	87.08	-557.02	1,544.13	1,981.95	1,895.90	86.05	23.032		
11,200.00	7,730.00	10,403.62	7,630.00	74.48	43.02	87.08	-657.02	1,543.79	1,981.96	1,894.29	87.67	22.608		
11,300.00	7,730.00	10,503.62	7,630.00	74.48	44.10	87.08	-757.02	1,543.45	1,981.96	1,892.56	89.39	22.172		
11,400.00	7,730.00	10,603.62	7,630.00	74.50	45.21	87.08	-857.01	1,543.11	1,981.96	1,890.74	91.22	21.727		
11,500.00	7,730.00	10,703.62	7,630.00	74.56	46.36	87.08	-957.01	1,542.78	1,981.96	1,888.81	93.15	21.278		
11,600.00	7,730.00	10,803.62	7,630.00	74.66	47.54	87.08	-1,057.01	1,542.44	1,981.96	1,886.79	95.16	20.827		
11,700.00	7,730.00	10,903.62	7,630.00	74.79	48.75	87.08	-1,157.01	1,542.10	1,981.96	1,884.69	97.27	20.376		
11,800.00	7,730.00	11,003.62	7,630.00	74.96	49.98	87.08	-1,257.01	1,541.76	1,981.96	1,882.51	99.45	19.929		
11,900.00	7,730.00	11,103.62	7,630.00	75.17	51.24	87.08	-1,357.01	1,541.42	1,981.96	1,880.25	101.71	19.486		
12,000.00	7,730.00	11,203.62	7,630.00	75.43	52.53	87.08	-1,457.01	1,541.08	1,981.96	1,877.92	104.04	19.049		
12,100.00	7,730.00	11,303.62	7,630.00	75.73	53.84	87.08	-1,557.01	1,540.75	1,981.96	1,875.52	106.44	18.620		
12,200.00	7,730.00	11,403.62	7,630.00	76.09	55.16	87.08	-1,657.01	1,540.41	1,981.96	1,873.06	108.90	18.200		
12,300.00	7,730.00	11,503.62	7,630.00	76.51	56.51	87.08	-1,757.01	1,540.07	1,981.96	1,870.55	111.41	17.789		
12,400.00	7,730.00	11,603.62	7,630.00	76.97	57.88	87.08	-1,857.01	1,539.73	1,981.96	1,867.98	113.98	17.388		
12,500.00	7,730.00	11,703.62	7,630.00	77.50	59.27	87.08	-1,957.01	1,539.39	1,981.96	1,865.36	116.60	16.998		
12,600.00	7,730.00	11,803.62	7,630.00	78.09	60.67	87.08	-2,057.01	1,539.05	1,981.96	1,862.70	119.27	16.618		
12,700.00	7,730.00	11,903.62	7,630.00	78.74	62.09	87.08	-2,157.01	1,538.72	1,981.97	1,859.99	121.98	16.249		
12,800.00	7,730.00	12,003.62	7,630.00	79.45	63.53	87.08	-2,257.01	1,538.38	1,981.97	1,857.24	124.73	15.890		
12,900.00	7,730.00	12,103.62	7,630.00	80.22	64.98	87.08	-2,357.01	1,538.04	1,981.97	1,854.45	127.52	15.543		
13,000.00	7,730.00	12,203.62	7,630.00	81.05	66.44	87.08	-2,457.01	1,537.70	1,981.97	1,851.62	130.34	15.206		
13,100.00	7,730.00	12,303.62	7,630.00	81.94	67.92	87.08	-2,557.01	1,537.36	1,981.97	1,848.77	133.20	14.879		
13,200.00	7,730.00	12,403.62	7,630.00	82.87	69.41	87.08	-2,657.00	1,537.02	1,981.97	1,845.88	136.09	14.563		
13,300.00	7,730.00	12,503.62	7,630.00	83.86	70.91	87.08	-2,757.00	1,536.69	1,981.97	1,842.96	139.01	14.258		
13,400.00	7,730.00	12,603.62	7,630.00	84.90	72.42	87.08	-2,857.00	1,536.35	1,981.97	1,840.01	141.96	13.962		
13,500.00	7,730.00	12,703.62	7,630.00	85.97	73.94	87.08	-2,957.00	1,536.01	1,981.97	1,837.04	144.93	13.675		
13,600.00	7,730.00	12,803.62	7,630.00	87.09	75.46	87.08	-3,057.00	1,535.67	1,981.97	1,834.04	147.93	13.398		
13,700.00	7,730.00	12,903.62	7,630.00	88.25	77.00	87.08	-3,157.00	1,535.33	1,981.97	1,831.02	150.95	13.130		
13,800.00	7,730.00	13,003.62	7,630.00	89.44	78.55	87.08	-3,257.00	1,534.99	1,981.97	1,827.98	153.99	12.871		
13,900.00	7,730.00	13,103.62	7,630.00	90.66	80.11	87.08	-3,357.00	1,534.66	1,981.97	1,824.92	157.06	12.620		
14,000.00	7,730.00	13,203.62	7,630.00	91.92	81.67	87.08	-3,457.00	1,534.32	1,981.97	1,821.84	160.14	12.377		
14,100.00	7,730.00	13,303.62	7,630.00	93.20	83.24	87.08	-3,557.00	1,533.98	1,981.98	1,818.74	163.24	12.142		
14,200.00	7,730.00	13,403.62	7,630.00	94.50	84.82	87.08	-3,657.00	1,533.64	1,981.98	1,815.62	166.36	11.914		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST FED 1A-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	13,503.62	7,630.00	95.83	86.40	87.08	-3,757.00	1,533.30	1,981.98	1,812.49	169.49	11.694		
14,400.00	7,730.00	13,603.62	7,630.00	97.17	87.99	87.08	-3,857.00	1,532.96	1,981.98	1,809.34	172.64	11.481		
14,500.00	7,730.00	13,703.62	7,630.00	98.54	89.59	87.08	-3,957.00	1,532.63	1,981.98	1,806.18	175.80	11.274		
14,600.00	7,730.00	13,803.62	7,630.00	99.92	91.19	87.08	-4,057.00	1,532.29	1,981.98	1,803.00	178.98	11.074		
14,700.00	7,730.00	13,903.62	7,630.00	101.32	92.80	87.08	-4,157.00	1,531.95	1,981.98	1,799.81	182.17	10.880		
14,800.00	7,730.00	14,003.62	7,630.00	102.74	94.41	87.08	-4,257.00	1,531.61	1,981.98	1,796.61	185.37	10.692		
14,900.00	7,730.00	14,103.62	7,630.00	104.17	96.03	87.08	-4,356.99	1,531.27	1,981.98	1,793.40	188.59	10.510		
15,000.00	7,730.00	14,203.62	7,630.00	105.62	97.65	87.08	-4,456.99	1,530.93	1,981.98	1,790.17	191.81	10.333		
15,100.00	7,730.00	14,303.62	7,630.00	107.07	99.28	87.08	-4,556.99	1,530.60	1,981.98	1,786.94	195.05	10.162		
15,200.00	7,730.00	14,403.62	7,630.00	108.54	100.91	87.08	-4,656.99	1,530.26	1,981.98	1,783.69	198.29	9.995		
15,300.00	7,730.00	14,503.62	7,630.00	110.02	102.55	87.08	-4,756.99	1,529.92	1,981.98	1,780.44	201.55	9.834		
15,400.00	7,730.00	14,603.62	7,630.00	111.51	104.19	87.08	-4,856.99	1,529.58	1,981.98	1,777.17	204.81	9.677		
15,500.00	7,730.00	14,703.62	7,630.00	113.01	105.83	87.08	-4,956.99	1,529.24	1,981.98	1,773.90	208.09	9.525		
15,600.00	7,730.00	14,803.62	7,630.00	114.52	107.48	87.08	-5,056.99	1,528.90	1,981.99	1,770.62	211.37	9.377		
15,700.00	7,730.00	14,903.62	7,630.00	116.04	109.13	87.08	-5,156.99	1,528.57	1,981.99	1,767.33	214.66	9.233		
15,800.00	7,730.00	15,003.62	7,630.00	117.56	110.78	87.08	-5,256.99	1,528.23	1,981.99	1,764.03	217.95	9.094		
15,900.00	7,730.00	15,103.62	7,630.00	119.09	112.44	87.08	-5,356.99	1,527.89	1,981.99	1,760.73	221.26	8.958		
16,000.00	7,730.00	15,203.62	7,630.00	120.63	114.10	87.08	-5,456.99	1,527.55	1,981.99	1,757.42	224.57	8.826		
16,100.00	7,730.00	15,303.62	7,630.00	122.18	115.77	87.08	-5,556.99	1,527.21	1,981.99	1,754.10	227.89	8.697		
16,200.00	7,730.00	15,403.62	7,630.00	123.73	117.43	87.08	-5,656.99	1,526.87	1,981.99	1,750.78	231.21	8.572		
16,300.00	7,730.00	15,503.62	7,630.00	125.29	119.10	87.08	-5,756.99	1,526.54	1,981.99	1,747.45	234.54	8.451		
16,400.00	7,730.00	15,603.62	7,630.00	126.86	120.77	87.08	-5,856.99	1,526.20	1,981.99	1,744.11	237.88	8.332		
16,500.00	7,730.00	15,703.62	7,630.00	128.43	122.45	87.08	-5,956.99	1,525.86	1,981.99	1,740.77	241.22	8.217		
16,600.00	7,730.00	15,803.62	7,630.00	130.01	124.12	87.08	-6,056.99	1,525.52	1,981.99	1,737.43	244.56	8.104		
16,700.00	7,730.00	15,903.62	7,630.00	131.59	125.80	87.08	-6,156.98	1,525.18	1,981.99	1,734.08	247.92	7.995		
16,800.00	7,730.00	16,003.62	7,630.00	133.18	127.48	87.08	-6,256.98	1,524.84	1,981.99	1,730.72	251.27	7.888		
16,900.00	7,730.00	16,103.62	7,630.00	134.77	129.17	87.08	-6,356.98	1,524.51	1,981.99	1,727.36	254.63	7.784		
17,000.00	7,730.00	16,203.62	7,630.00	136.37	130.85	87.08	-6,456.98	1,524.17	1,981.99	1,723.99	258.00	7.682		
17,100.00	7,730.00	16,303.62	7,630.00	137.97	132.54	87.08	-6,556.98	1,523.83	1,982.00	1,720.63	261.37	7.583		
17,200.00	7,730.00	16,403.62	7,630.00	139.57	134.23	87.08	-6,656.98	1,523.49	1,982.00	1,717.25	264.74	7.486		
17,300.00	7,730.00	16,503.62	7,630.00	141.18	135.92	87.08	-6,756.98	1,523.15	1,982.00	1,713.87	268.12	7.392		
17,400.00	7,730.00	16,603.62	7,630.00	142.79	137.61	87.08	-6,856.98	1,522.81	1,982.00	1,710.49	271.51	7.300		
17,500.00	7,730.00	16,703.62	7,630.00	144.41	139.31	87.08	-6,956.98	1,522.48	1,982.00	1,707.11	274.89	7.210		
17,600.00	7,730.00	16,803.62	7,630.00	146.03	141.00	87.08	-7,056.98	1,522.14	1,982.00	1,703.72	278.28	7.122		
17,700.00	7,730.00	16,903.62	7,630.00	147.65	142.70	87.08	-7,156.98	1,521.80	1,982.00	1,700.33	281.67	7.036		
17,800.00	7,730.00	17,003.62	7,630.00	149.28	144.40	87.08	-7,256.98	1,521.46	1,982.00	1,696.93	285.07	6.953		
17,900.00	7,730.00	17,103.62	7,630.00	150.91	146.10	87.08	-7,356.98	1,521.12	1,982.00	1,693.53	288.47	6.871		
18,000.00	7,730.00	17,203.62	7,630.00	152.54	147.80	87.08	-7,456.98	1,520.78	1,982.00	1,690.13	291.87	6.791		
18,100.00	7,730.00	17,303.62	7,630.00	154.18	149.51	87.08	-7,556.98	1,520.45	1,982.00	1,686.72	295.28	6.712		
18,200.00	7,730.00	17,403.62	7,630.00	155.82	151.21	87.08	-7,656.98	1,520.11	1,982.00	1,683.31	298.69	6.636		
18,300.00	7,730.00	17,503.62	7,630.00	157.46	152.92	87.08	-7,756.98	1,519.77	1,982.00	1,679.90	302.10	6.561		
18,400.00	7,730.00	17,603.62	7,630.00	159.11	154.63	87.08	-7,856.97	1,519.43	1,982.00	1,676.49	305.51	6.487		
18,500.00	7,730.00	17,703.62	7,630.00	160.75	156.34	87.08	-7,956.97	1,519.09	1,982.00	1,673.07	308.93	6.416		
18,600.00	7,730.00	17,803.62	7,630.00	162.40	158.05	87.08	-8,056.97	1,518.75	1,982.01	1,669.66	312.35	6.345		
18,700.00	7,730.00	17,903.62	7,630.00	164.05	159.76	87.08	-8,156.97	1,518.42	1,982.01	1,666.23	315.77	6.277		
18,800.00	7,730.00	18,003.62	7,630.00	165.71	161.47	87.08	-8,256.97	1,518.08	1,982.01	1,662.81	319.20	6.209		
18,900.00	7,730.00	18,103.62	7,630.00	167.36	163.18	87.08	-8,356.97	1,517.74	1,982.01	1,659.39	322.62	6.143		
18,942.39	7,730.00	18,146.01	7,630.00	168.07	163.91	87.08	-8,399.36	1,517.59	1,982.01	1,657.93	324.08	6.116 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	16,236.00	7,569.74	0.00	158.98	48.84	1,787.82	2,045.35	8,185.66					
100.00	100.00	16,236.00	7,569.74	0.13	158.98	48.84	1,787.82	2,045.35	8,091.40	8,011.90	79.49	101.791		
200.00	200.00	16,236.00	7,569.74	0.49	158.98	48.84	1,787.82	2,045.35	7,997.27	7,917.61	79.66	100.395		
300.00	300.00	16,236.00	7,569.74	0.85	158.98	48.84	1,787.82	2,045.35	7,903.29	7,823.45	79.84	98.985		
400.00	400.00	16,236.00	7,569.74	1.21	158.98	48.84	1,787.82	2,045.35	7,809.46	7,729.41	80.05	97.563		
500.00	500.00	16,236.00	7,569.74	1.57	158.98	48.84	1,787.82	2,045.35	7,715.78	7,635.52	80.27	96.129		
600.00	600.00	16,236.00	7,569.74	1.93	158.98	48.84	1,787.82	2,045.35	7,622.27	7,541.76	80.50	94.684		
700.00	700.00	16,236.00	7,569.74	2.29	158.98	48.84	1,787.82	2,045.35	7,528.92	7,448.16	80.76	93.229		
800.00	800.00	16,236.00	7,569.74	2.64	158.98	48.84	1,787.82	2,045.35	7,435.74	7,354.71	81.03	91.766		
900.00	899.98	16,236.00	7,569.74	3.00	158.98	-11.78	1,787.82	2,045.35	7,342.13	7,260.81	81.32	90.291		
1,000.00	999.84	16,236.00	7,569.74	3.35	158.98	-13.04	1,787.82	2,045.35	7,247.52	7,165.92	81.60	88.818		
1,100.00	1,099.45	16,236.00	7,569.74	3.71	158.98	-14.58	1,787.82	2,045.35	7,151.99	7,070.12	81.87	87.363		
1,200.00	1,198.70	16,236.00	7,569.74	4.08	158.98	-16.52	1,787.82	2,045.35	7,055.62	6,973.51	82.11	85.928		
1,300.00	1,297.47	16,236.00	7,569.74	4.47	158.98	-19.01	1,787.82	2,045.35	6,958.49	6,876.16	82.33	84.517		
1,400.00	1,395.62	16,236.00	7,569.74	4.87	158.98	-22.31	1,787.82	2,045.35	6,860.70	6,778.17	82.53	83.130		
1,500.00	1,493.06	16,236.00	7,569.74	5.31	158.98	-26.85	1,787.82	2,045.35	6,762.34	6,679.64	82.70	81.769		
1,600.00	1,589.64	16,236.00	7,569.74	5.77	158.98	-33.38	1,787.82	2,045.35	6,663.51	6,580.66	82.84	80.436		
1,700.00	1,685.27	16,236.00	7,569.74	6.28	158.98	-43.18	1,787.82	2,045.35	6,564.29	6,481.34	82.95	79.132		
1,800.00	1,779.82	16,236.00	7,569.74	6.83	158.98	-58.25	1,787.82	2,045.35	6,464.82	6,381.78	83.03	77.859		
1,900.00	1,873.17	16,236.00	7,569.74	7.43	158.98	-79.89	1,787.82	2,045.35	6,365.18	6,282.10	83.08	76.616		
2,000.00	1,965.21	16,236.00	7,569.74	8.08	158.98	-104.34	1,787.82	2,045.35	6,265.51	6,182.42	83.09	75.406		
2,100.00	2,055.84	16,236.00	7,569.74	8.79	158.98	-124.31	1,787.82	2,045.35	6,165.92	6,082.85	83.07	74.228		
2,200.00	2,144.94	16,236.00	7,569.74	9.56	158.98	-137.76	1,787.82	2,045.35	6,066.54	5,983.54	83.01	73.084		
2,300.00	2,232.39	16,236.00	7,569.74	10.39	158.98	-146.52	1,787.82	2,045.35	5,967.52	5,884.60	82.91	71.972		
2,400.00	2,318.11	16,236.00	7,569.74	11.30	158.98	-152.42	1,787.82	2,045.35	5,868.97	5,786.19	82.79	70.893		
2,504.60	2,405.78	16,236.00	7,569.74	12.31	158.98	-156.72	1,787.82	2,045.35	5,766.58	5,683.97	82.62	69.799		
2,600.00	2,484.79	16,236.00	7,569.74	13.28	158.98	-156.72	1,787.82	2,045.35	5,673.61	5,591.15	82.45	68.810		
2,700.00	2,567.60	16,236.00	7,569.74	14.32	158.98	-156.72	1,787.82	2,045.35	5,576.24	5,493.95	82.29	67.764		
2,800.00	2,650.41	16,236.00	7,569.74	15.37	158.98	-156.72	1,787.82	2,045.35	5,478.96	5,396.83	82.13	66.710		
2,900.00	2,733.23	16,236.00	7,569.74	16.44	158.98	-156.72	1,787.82	2,045.35	5,381.79	5,299.81	81.98	65.651		
3,000.00	2,816.04	16,236.00	7,569.74	17.52	158.98	-156.72	1,787.82	2,045.35	5,284.72	5,202.89	81.83	64.585		
3,100.00	2,898.85	16,236.00	7,569.74	18.60	158.98	-156.72	1,787.82	2,045.35	5,187.76	5,106.08	81.68	63.512		
3,200.00	2,981.67	16,236.00	7,569.74	19.69	158.98	-156.72	1,787.82	2,045.35	5,090.92	5,009.38	81.54	62.434		
3,300.00	3,064.48	16,236.00	7,569.74	20.79	158.98	-156.72	1,787.82	2,045.35	4,994.20	4,912.79	81.41	61.350		
3,400.00	3,147.30	16,236.00	7,569.74	21.90	158.98	-156.72	1,787.82	2,045.35	4,897.62	4,816.34	81.28	60.260		
3,500.00	3,230.11	16,236.00	7,569.74	23.00	158.98	-156.72	1,787.82	2,045.35	4,801.17	4,720.02	81.15	59.164		
3,600.00	3,312.92	16,236.00	7,569.74	24.12	158.98	-156.72	1,787.82	2,045.35	4,704.87	4,623.84	81.03	58.063		
3,700.00	3,395.74	16,236.00	7,569.74	25.23	158.98	-156.72	1,787.82	2,045.35	4,608.74	4,527.82	80.92	56.956		
3,800.00	3,478.55	16,236.00	7,569.74	26.35	158.98	-156.72	1,787.82	2,045.35	4,512.76	4,431.95	80.81	55.843		
3,900.00	3,561.36	16,236.00	7,569.74	27.47	158.98	-156.72	1,787.82	2,045.35	4,416.97	4,336.26	80.71	54.725		
4,000.00	3,644.18	16,236.00	7,569.74	28.59	158.98	-156.72	1,787.82	2,045.35	4,321.37	4,240.75	80.62	53.600		
4,100.00	3,726.99	16,236.00	7,569.74	29.72	158.98	-156.72	1,787.82	2,045.35	4,225.97	4,145.43	80.54	52.470		
4,200.00	3,809.81	16,236.00	7,569.74	30.85	158.98	-156.72	1,787.82	2,045.35	4,130.79	4,050.32	80.47	51.334		
4,300.00	3,892.62	16,236.00	7,569.74	31.98	158.98	-156.72	1,787.82	2,045.35	4,035.85	3,955.44	80.41	50.191		
4,400.00	3,975.43	16,236.00	7,569.74	33.11	158.98	-156.72	1,787.82	2,045.35	3,941.15	3,860.78	80.36	49.041		
4,500.00	4,058.25	16,236.00	7,569.74	34.24	158.98	-156.72	1,787.82	2,045.35	3,846.72	3,766.39	80.33	47.884		
4,600.00	4,141.06	16,236.00	7,569.74	35.37	158.98	-156.72	1,787.82	2,045.35	3,752.58	3,672.26	80.32	46.719		
4,700.00	4,223.87	16,236.00	7,569.74	36.50	158.98	-156.72	1,787.82	2,045.35	3,658.75	3,578.42	80.33	45.546		
4,800.00	4,306.69	16,236.00	7,569.74	37.64	158.98	-156.72	1,787.82	2,045.35	3,565.26	3,484.89	80.36	44.364		
4,900.00	4,389.50	16,236.00	7,569.74	38.77	158.98	-156.72	1,787.82	2,045.35	3,472.13	3,391.70	80.43	43.171		
5,000.00	4,472.32	16,236.00	7,569.74	39.91	158.98	-156.72	1,787.82	2,045.35	3,379.39	3,298.87	80.52	41.968		
5,100.00	4,555.13	16,236.00	7,569.74	41.05	158.98	-156.72	1,787.82	2,045.35	3,287.08	3,206.42	80.66	40.754		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	16,236.00	7,569.74	42.18	158.98	-156.72	1,787.82	2,045.35	3,195.23	3,114.39	80.84	39.526		
5,300.00	4,720.76	16,236.00	7,569.74	43.32	158.98	-156.72	1,787.82	2,045.35	3,103.88	3,022.81	81.07	38.285		
5,400.00	4,803.57	16,236.00	7,569.74	44.46	158.98	-156.72	1,787.82	2,045.35	3,013.08	2,931.71	81.37	37.029		
5,500.00	4,886.39	16,236.00	7,569.74	45.60	158.98	-156.72	1,787.82	2,045.35	2,922.89	2,841.15	81.74	35.757		
5,600.00	4,969.20	16,236.00	7,569.74	46.74	158.98	-156.72	1,787.82	2,045.35	2,833.35	2,751.15	82.20	34.468		
5,700.00	5,052.01	16,236.00	7,569.74	47.88	158.98	-156.72	1,787.82	2,045.35	2,744.54	2,661.77	82.76	33.161		
5,800.00	5,134.83	16,236.00	7,569.74	49.02	158.98	-156.72	1,787.82	2,045.35	2,656.52	2,573.07	83.44	31.836		
5,900.00	5,217.64	16,236.00	7,569.74	50.16	158.98	-156.72	1,787.82	2,045.35	2,569.37	2,485.11	84.27	30.491		
6,000.00	5,300.45	16,236.00	7,569.74	51.30	158.98	-156.72	1,787.82	2,045.35	2,483.20	2,397.95	85.25	29.128		
6,100.00	5,383.27	16,236.00	7,569.74	52.45	158.98	-156.72	1,787.82	2,045.35	2,398.10	2,311.67	86.43	27.746		
6,200.00	5,466.08	16,236.00	7,569.74	53.59	158.98	-156.72	1,787.82	2,045.35	2,314.19	2,226.36	87.83	26.349		
6,300.00	5,548.90	16,236.00	7,569.74	54.73	158.98	-156.72	1,787.82	2,045.35	2,231.61	2,142.13	89.48	24.940		
6,400.00	5,631.71	16,236.00	7,569.74	55.87	158.98	-156.72	1,787.82	2,045.35	2,150.51	2,059.08	91.43	23.522		
6,500.00	5,714.52	16,236.00	7,569.74	57.02	158.98	-156.72	1,787.82	2,045.35	2,071.06	1,977.35	93.71	22.102		
6,600.00	5,797.34	16,236.00	7,569.74	58.16	158.98	-156.72	1,787.82	2,045.35	1,993.46	1,897.10	96.36	20.687		
6,700.00	5,880.15	16,236.00	7,569.74	59.30	158.98	-156.72	1,787.82	2,045.35	1,917.94	1,818.51	99.43	19.289		
6,800.00	5,962.96	16,236.00	7,569.74	60.45	158.98	-156.72	1,787.82	2,045.35	1,844.75	1,741.78	102.97	17.916		
6,900.00	6,045.78	16,236.00	7,569.74	61.59	158.98	-156.72	1,787.82	2,045.35	1,774.17	1,667.18	107.00	16.582		
7,000.00	6,128.59	16,236.00	7,569.74	62.73	158.98	-156.72	1,787.82	2,045.35	1,706.55	1,594.99	111.55	15.298		
7,100.00	6,211.41	16,236.00	7,569.74	63.88	158.98	-156.72	1,787.82	2,045.35	1,642.22	1,525.57	116.65	14.078		
7,200.00	6,294.22	16,236.00	7,569.74	65.02	158.98	-156.72	1,787.82	2,045.35	1,581.61	1,459.32	122.29	12.933		
7,300.00	6,377.03	16,236.00	7,569.74	66.17	158.98	-156.72	1,787.82	2,045.35	1,525.16	1,396.70	128.45	11.873		
7,400.00	6,459.85	16,236.00	7,569.74	67.31	158.98	-156.72	1,787.82	2,045.35	1,473.33	1,338.24	135.09	10.907		
7,500.00	6,542.66	16,236.00	7,569.74	68.46	158.98	-156.72	1,787.82	2,045.35	1,426.64	1,284.53	142.11	10.039		
7,600.00	6,625.48	16,236.00	7,569.74	69.60	158.98	-156.72	1,787.82	2,045.35	1,385.61	1,236.20	149.41	9.274		
7,700.00	6,708.29	16,236.00	7,569.74	70.75	158.98	-156.72	1,787.82	2,045.35	1,350.74	1,193.92	156.82	8.613		
7,800.00	6,791.10	16,236.00	7,569.74	71.89	158.98	-156.72	1,787.82	2,045.35	1,322.54	1,158.36	164.18	8.055		
7,900.00	6,873.92	16,230.37	7,569.77	73.04	158.88	-156.48	1,793.45	2,045.45	1,301.41	1,130.08	171.33	7.596		
8,000.00	6,956.73	16,200.70	7,569.92	74.18	158.37	-155.22	1,823.11	2,045.98	1,287.27	1,108.93	178.34	7.218		
8,100.00	7,039.54	16,170.31	7,570.08	75.33	157.84	-153.92	1,853.49	2,046.53	1,280.11	1,095.28	184.84	6.926		
8,151.26	7,082.00	16,154.10	7,570.14	75.92	157.56	-153.23	1,869.70	2,046.82	1,279.18	1,091.27	187.91	6.807 CC		
8,165.32	7,093.63	16,149.68	7,570.15	76.08	157.48	-153.04	1,874.12	2,046.90	1,279.25	1,090.53	188.72	6.778		
8,200.00	7,122.60	16,139.88	7,570.17	76.47	157.31	-157.51	1,883.92	2,047.08	1,280.05	1,089.37	190.68	6.713 ES		
8,250.00	7,165.05	16,129.65	7,570.18	77.01	157.13	-165.00	1,894.15	2,047.26	1,282.83	1,089.46	193.37	6.634		
8,300.00	7,208.03	16,124.04	7,570.19	77.52	157.03	-173.53	1,899.75	2,047.37	1,287.61	1,091.73	195.87	6.574		
8,350.00	7,251.22	16,123.07	7,570.19	77.99	157.02	177.27	1,900.73	2,047.39	1,294.37	1,096.21	198.16	6.532		
8,400.00	7,294.28	16,126.67	7,570.19	78.41	157.08	167.84	1,897.13	2,047.32	1,303.05	1,102.85	200.20	6.509		
8,450.00	7,336.90	16,134.77	7,570.18	78.78	157.22	158.57	1,889.03	2,047.17	1,313.51	1,111.52	201.98	6.503 SF		
8,500.00	7,378.73	16,147.28	7,570.16	79.10	157.44	149.76	1,876.53	2,046.94	1,325.54	1,122.03	203.52	6.513		
8,550.00	7,419.47	16,164.04	7,570.10	79.37	157.73	141.56	1,859.77	2,046.64	1,338.91	1,134.10	204.80	6.538		
8,600.00	7,458.81	16,184.89	7,570.01	79.59	158.09	134.02	1,838.92	2,046.27	1,353.31	1,147.44	205.87	6.574		
8,650.00	7,496.44	16,208.77	7,569.88	79.76	158.51	127.16	1,815.04	2,045.84	1,368.45	1,161.69	206.75	6.619		
8,700.00	7,532.08	16,236.51	7,569.74	79.88	158.99	120.92	1,787.31	2,045.34	1,383.97	1,176.51	207.46	6.671		
8,750.00	7,565.46	16,236.00	7,569.74	79.95	158.98	116.27	1,787.82	2,045.35	1,399.92	1,191.45	208.47	6.715		
8,800.00	7,596.33	16,236.00	7,569.74	79.98	158.98	112.07	1,787.82	2,045.35	1,416.40	1,207.09	209.31	6.767		
8,850.00	7,624.44	16,236.00	7,569.74	79.97	158.98	108.29	1,787.82	2,045.35	1,433.28	1,223.27	210.00	6.825		
8,900.00	7,649.59	16,236.00	7,569.74	79.93	158.98	104.87	1,787.82	2,045.35	1,450.42	1,239.87	210.55	6.889		
8,950.00	7,671.59	16,236.00	7,569.74	79.84	158.98	101.77	1,787.82	2,045.35	1,467.68	1,256.73	210.95	6.957		
9,000.00	7,690.26	16,236.00	7,569.74	79.73	158.98	98.98	1,787.82	2,045.35	1,484.93	1,273.72	211.21	7.030		
9,050.00	7,705.47	16,236.00	7,569.74	79.59	158.98	96.48	1,787.82	2,045.35	1,502.04	1,290.70	211.34	7.107		
9,100.00	7,717.09	16,236.00	7,569.74	79.43	158.98	94.25	1,787.82	2,045.35	1,518.89	1,307.56	211.33	7.187		
9,150.00	7,725.04	16,236.00	7,569.74	79.26	158.98	92.29	1,787.82	2,045.35	1,535.35	1,324.16	211.19	7.270		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	16,236.00	7,569.74	79.06	158.98	90.60	1,787.82	2,045.35	1,551.33	1,340.40	210.93	7.355		
9,231.13	7,730.00	16,236.00	7,569.74	78.93	158.98	89.68	1,787.82	2,045.35	1,560.98	1,350.28	210.70	7.409		
9,300.00	7,730.00	16,236.00	7,569.74	78.65	158.98	89.68	1,787.82	2,045.35	1,583.41	1,373.41	209.99	7.540		
9,400.00	7,730.00	16,236.00	7,569.74	78.26	158.98	89.68	1,787.82	2,045.35	1,620.64	1,412.12	208.52	7.772		
9,500.00	7,730.00	16,236.00	7,569.74	77.89	158.98	89.68	1,787.82	2,045.35	1,663.07	1,456.49	206.58	8.051		
9,600.00	7,730.00	16,236.00	7,569.74	77.53	158.98	89.68	1,787.82	2,045.35	1,710.29	1,506.03	204.26	8.373		
9,700.00	7,730.00	16,236.00	7,569.74	77.19	158.98	89.68	1,787.82	2,045.35	1,761.93	1,560.29	201.64	8.738		
9,800.00	7,730.00	16,236.00	7,569.74	76.88	158.98	89.68	1,787.82	2,045.35	1,817.61	1,618.81	198.80	9.143		
9,900.00	7,730.00	16,236.00	7,569.74	76.58	158.98	89.68	1,787.82	2,045.35	1,876.97	1,681.16	195.81	9.585		
10,000.00	7,730.00	16,236.00	7,569.74	76.30	158.98	89.68	1,787.82	2,045.35	1,939.67	1,746.94	192.73	10.064		
10,100.00	7,730.00	16,236.00	7,569.74	76.04	158.98	89.68	1,787.82	2,045.35	2,005.40	1,815.79	189.61	10.576		
10,200.00	7,730.00	16,236.00	7,569.74	75.79	158.98	89.68	1,787.82	2,045.35	2,073.87	1,887.39	186.48	11.121		
10,300.00	7,730.00	16,236.00	7,569.74	75.57	158.98	89.68	1,787.82	2,045.35	2,144.82	1,961.43	183.38	11.696		
10,400.00	7,730.00	16,236.00	7,569.74	75.36	158.98	89.68	1,787.82	2,045.35	2,218.00	2,037.67	180.33	12.299		
10,500.00	7,730.00	16,236.00	7,569.74	75.18	158.98	89.68	1,787.82	2,045.35	2,293.22	2,115.86	177.36	12.930		
10,600.00	7,730.00	16,236.00	7,569.74	75.01	158.98	89.68	1,787.82	2,045.35	2,370.26	2,195.80	174.46	13.586		
10,700.00	7,730.00	16,236.00	7,569.74	74.86	158.98	89.68	1,787.82	2,045.35	2,448.97	2,277.31	171.66	14.266		
10,800.00	7,730.00	16,236.00	7,569.74	74.74	158.98	89.68	1,787.82	2,045.35	2,529.18	2,360.22	168.96	14.969		
10,900.00	7,730.00	16,236.00	7,569.74	74.64	158.98	89.68	1,787.82	2,045.35	2,610.76	2,444.40	166.36	15.693		
11,000.00	7,730.00	16,236.00	7,569.74	74.56	158.98	89.68	1,787.82	2,045.35	2,693.58	2,529.72	163.86	16.438		
11,100.00	7,730.00	16,236.00	7,569.74	74.51	158.98	89.68	1,787.82	2,045.35	2,777.53	2,616.06	161.47	17.202		
11,200.00	7,730.00	16,236.00	7,569.74	74.48	158.98	89.68	1,787.82	2,045.35	2,862.51	2,703.34	159.17	17.984		
11,300.00	7,730.00	16,236.00	7,569.74	74.48	158.98	89.68	1,787.82	2,045.35	2,948.44	2,791.46	156.98	18.783		
11,400.00	7,730.00	16,236.00	7,569.74	74.50	158.98	89.68	1,787.82	2,045.35	3,035.23	2,880.35	154.88	19.598		
11,500.00	7,730.00	16,236.00	7,569.74	74.56	158.98	89.68	1,787.82	2,045.35	3,122.80	2,969.93	152.87	20.428		
11,600.00	7,730.00	16,236.00	7,569.74	74.66	158.98	89.68	1,787.82	2,045.35	3,211.11	3,060.15	150.95	21.272		
11,700.00	7,730.00	16,236.00	7,569.74	74.79	158.98	89.68	1,787.82	2,045.35	3,300.08	3,150.96	149.12	22.131		
11,800.00	7,730.00	16,236.00	7,569.74	74.96	158.98	89.68	1,787.82	2,045.35	3,389.66	3,242.30	147.37	23.001		
11,900.00	7,730.00	16,236.00	7,569.74	75.17	158.98	89.68	1,787.82	2,045.35	3,479.82	3,334.12	145.69	23.884		
12,000.00	7,730.00	16,236.00	7,569.74	75.43	158.98	89.68	1,787.82	2,045.35	3,570.49	3,426.40	144.09	24.779		
12,100.00	7,730.00	16,236.00	7,569.74	75.73	158.98	89.68	1,787.82	2,045.35	3,661.66	3,519.09	142.57	25.684		
12,200.00	7,730.00	16,236.00	7,569.74	76.09	158.98	89.68	1,787.82	2,045.35	3,753.27	3,612.17	141.10	26.599		
12,300.00	7,730.00	16,236.00	7,569.74	76.51	158.98	89.68	1,787.82	2,045.35	3,845.30	3,705.60	139.71	27.524		
12,400.00	7,730.00	16,236.00	7,569.74	76.97	158.98	89.68	1,787.82	2,045.35	3,937.72	3,799.35	138.37	28.458		
12,500.00	7,730.00	16,236.00	7,569.74	77.50	158.98	89.68	1,787.82	2,045.35	4,030.50	3,893.41	137.09	29.401		
12,600.00	7,730.00	16,236.00	7,569.74	78.09	158.98	89.68	1,787.82	2,045.35	4,123.62	3,987.76	135.86	30.352		
12,700.00	7,730.00	16,236.00	7,569.74	78.74	158.98	89.68	1,787.82	2,045.35	4,217.06	4,082.37	134.69	31.310		
12,800.00	7,730.00	16,236.00	7,569.74	79.45	158.98	89.68	1,787.82	2,045.35	4,310.78	4,177.22	133.56	32.275		
12,900.00	7,730.00	16,236.00	7,569.74	80.22	158.98	89.68	1,787.82	2,045.35	4,404.79	4,272.30	132.49	33.247		
13,000.00	7,730.00	16,236.00	7,569.74	81.05	158.98	89.68	1,787.82	2,045.35	4,499.05	4,367.60	131.45	34.226		
13,100.00	7,730.00	16,236.00	7,569.74	81.94	158.98	89.68	1,787.82	2,045.35	4,593.56	4,463.10	130.46	35.211		
13,200.00	7,730.00	16,236.00	7,569.74	82.87	158.98	89.68	1,787.82	2,045.35	4,688.29	4,558.78	129.51	36.201		
13,300.00	7,730.00	16,236.00	7,569.74	83.86	158.98	89.68	1,787.82	2,045.35	4,783.24	4,654.65	128.59	37.197		
13,400.00	7,730.00	16,236.00	7,569.74	84.90	158.98	89.68	1,787.82	2,045.35	4,878.39	4,750.68	127.72	38.197		
13,500.00	7,730.00	16,236.00	7,569.74	85.97	158.98	89.68	1,787.82	2,045.35	4,973.73	4,846.86	126.87	39.203		
13,600.00	7,730.00	16,236.00	7,569.74	87.09	158.98	89.68	1,787.82	2,045.35	5,069.25	4,943.19	126.06	40.213		
13,700.00	7,730.00	16,236.00	7,569.74	88.25	158.98	89.68	1,787.82	2,045.35	5,164.94	5,039.66	125.28	41.227		
13,800.00	7,730.00	16,236.00	7,569.74	89.44	158.98	89.68	1,787.82	2,045.35	5,260.79	5,136.26	124.53	42.245		
13,900.00	7,730.00	16,236.00	7,569.74	90.66	158.98	89.68	1,787.82	2,045.35	5,356.79	5,232.98	123.81	43.267		
14,000.00	7,730.00	16,236.00	7,569.74	91.92	158.98	89.68	1,787.82	2,045.35	5,452.94	5,329.82	123.11	44.292		
14,100.00	7,730.00	16,236.00	7,569.74	93.20	158.98	89.68	1,787.82	2,045.35	5,549.22	5,426.78	122.44	45.320		
14,200.00	7,730.00	16,236.00	7,569.74	94.50	158.98	89.68	1,787.82	2,045.35	5,645.63	5,523.83	121.80	46.352		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	16,236.00	7,569.74	95.83	158.98	89.68	1,787.82	2,045.35	5,742.16	5,620.99	121.18	47.386		
14,400.00	7,730.00	16,236.00	7,569.74	97.17	158.98	89.68	1,787.82	2,045.35	5,838.81	5,718.24	120.58	48.424		
14,500.00	7,730.00	16,236.00	7,569.74	98.54	158.98	89.68	1,787.82	2,045.35	5,935.58	5,815.58	120.00	49.463		
14,600.00	7,730.00	16,236.00	7,569.74	99.92	158.98	89.68	1,787.82	2,045.35	6,032.44	5,913.00	119.44	50.505		
14,700.00	7,730.00	16,236.00	7,569.74	101.32	158.98	89.68	1,787.82	2,045.35	6,129.41	6,010.51	118.90	51.549		
14,800.00	7,730.00	16,236.00	7,569.74	102.74	158.98	89.68	1,787.82	2,045.35	6,226.47	6,108.09	118.38	52.595		
14,900.00	7,730.00	16,236.00	7,569.74	104.17	158.98	89.68	1,787.82	2,045.35	6,323.63	6,205.75	117.88	53.643		
15,000.00	7,730.00	16,236.00	7,569.74	105.62	158.98	89.68	1,787.82	2,045.35	6,420.87	6,303.47	117.40	54.693		
15,100.00	7,730.00	16,236.00	7,569.74	107.07	158.98	89.68	1,787.82	2,045.35	6,518.20	6,401.27	116.93	55.745		
15,200.00	7,730.00	16,236.00	7,569.74	108.54	158.98	89.68	1,787.82	2,045.35	6,615.60	6,499.12	116.48	56.797		
15,300.00	7,730.00	16,236.00	7,569.74	110.02	158.98	89.68	1,787.82	2,045.35	6,713.08	6,597.04	116.04	57.852		
15,400.00	7,730.00	16,236.00	7,569.74	111.51	158.98	89.68	1,787.82	2,045.35	6,810.64	6,695.02	115.62	58.907		
15,500.00	7,730.00	16,236.00	7,569.74	113.01	158.98	89.68	1,787.82	2,045.35	6,908.26	6,793.06	115.21	59.964		
15,600.00	7,730.00	16,236.00	7,569.74	114.52	158.98	89.68	1,787.82	2,045.35	7,005.96	6,891.14	114.81	61.021		
15,700.00	7,730.00	16,236.00	7,569.74	116.04	158.98	89.68	1,787.82	2,045.35	7,103.71	6,989.28	114.43	62.080		
15,800.00	7,730.00	16,236.00	7,569.74	117.56	158.98	89.68	1,787.82	2,045.35	7,201.53	7,087.47	114.06	63.139		
15,900.00	7,730.00	16,236.00	7,569.74	119.09	158.98	89.68	1,787.82	2,045.35	7,299.41	7,185.71	113.70	64.199		
16,000.00	7,730.00	16,236.00	7,569.74	120.63	158.98	89.68	1,787.82	2,045.35	7,397.34	7,283.99	113.35	65.260		
16,100.00	7,730.00	16,236.00	7,569.74	122.18	158.98	89.68	1,787.82	2,045.35	7,495.33	7,382.31	113.02	66.321		
16,200.00	7,730.00	16,236.00	7,569.74	123.73	158.98	89.68	1,787.82	2,045.35	7,593.37	7,480.68	112.69	67.383		
16,300.00	7,730.00	16,236.00	7,569.74	125.29	158.98	89.68	1,787.82	2,045.35	7,691.46	7,579.08	112.37	68.445		
16,400.00	7,730.00	16,236.00	7,569.74	126.86	158.98	89.68	1,787.82	2,045.35	7,789.60	7,677.53	112.07	69.507		
16,500.00	7,730.00	16,236.00	7,569.74	128.43	158.98	89.68	1,787.82	2,045.35	7,887.79	7,776.01	111.77	70.570		
16,600.00	7,730.00	16,236.00	7,569.74	130.01	158.98	89.68	1,787.82	2,045.35	7,986.02	7,874.53	111.49	71.633		
16,700.00	7,730.00	16,236.00	7,569.74	131.59	158.98	89.68	1,787.82	2,045.35	8,084.29	7,973.08	111.21	72.696		
16,800.00	7,730.00	16,236.00	7,569.74	133.18	158.98	89.68	1,787.82	2,045.35	8,182.61	8,071.67	110.94	73.759		
16,900.00	7,730.00	16,236.00	7,569.74	134.77	158.98	89.68	1,787.82	2,045.35	8,280.96	8,170.29	110.68	74.822		
17,000.00	7,730.00	16,236.00	7,569.74	136.37	158.98	89.68	1,787.82	2,045.35	8,379.36	8,268.94	110.42	75.885		
17,100.00	7,730.00	16,236.00	7,569.74	137.97	158.98	89.68	1,787.82	2,045.35	8,477.79	8,367.62	110.18	76.948		
17,200.00	7,730.00	16,236.00	7,569.74	139.57	158.98	89.68	1,787.82	2,045.35	8,576.26	8,466.33	109.94	78.011		
17,300.00	7,730.00	16,236.00	7,569.74	141.18	158.98	89.68	1,787.82	2,045.35	8,674.77	8,565.06	109.71	79.073		
17,400.00	7,730.00	16,236.00	7,569.74	142.79	158.98	89.68	1,787.82	2,045.35	8,773.31	8,663.83	109.48	80.135		
17,500.00	7,730.00	16,236.00	7,569.74	144.41	158.98	89.68	1,787.82	2,045.35	8,871.88	8,762.61	109.26	81.197		
17,600.00	7,730.00	16,236.00	7,569.74	146.03	158.98	89.68	1,787.82	2,045.35	8,970.48	8,861.43	109.05	82.259		
17,700.00	7,730.00	16,236.00	7,569.74	147.65	158.98	89.68	1,787.82	2,045.35	9,069.11	8,960.27	108.85	83.320		
17,800.00	7,730.00	16,236.00	7,569.74	149.28	158.98	89.68	1,787.82	2,045.35	9,167.78	9,059.13	108.65	84.380		
17,900.00	7,730.00	16,236.00	7,569.74	150.91	158.98	89.68	1,787.82	2,045.35	9,266.47	9,158.01	108.46	85.440		
18,000.00	7,730.00	16,236.00	7,569.74	152.54	158.98	89.68	1,787.82	2,045.35	9,365.19	9,256.92	108.27	86.500		
18,100.00	7,730.00	16,236.00	7,569.74	154.18	158.98	89.68	1,787.82	2,045.35	9,463.93	9,355.85	108.09	87.559		
18,200.00	7,730.00	16,236.00	7,569.74	155.82	158.98	89.68	1,787.82	2,045.35	9,562.71	9,454.80	107.91	88.617		
18,300.00	7,730.00	16,236.00	7,569.74	157.46	158.98	89.68	1,787.82	2,045.35	9,661.50	9,553.76	107.74	89.675		
18,400.00	7,730.00	16,236.00	7,569.74	159.11	158.98	89.68	1,787.82	2,045.35	9,760.33	9,652.75	107.57	90.732		
18,500.00	7,730.00	16,236.00	7,569.74	160.75	158.98	89.68	1,787.82	2,045.35	9,859.17	9,751.76	107.41	91.789		
18,600.00	7,730.00	16,236.00	7,569.74	162.40	158.98	89.68	1,787.82	2,045.35	9,958.04	9,850.79	107.26	92.844		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	16,659.00	7,678.61	0.00	161.70	38.56	1,782.14	1,420.83	8,155.57					
100.00	100.00	16,659.00	7,678.61	0.13	161.70	38.56	1,782.14	1,420.83	8,059.60	7,980.78	78.82	102.259		
200.00	200.00	16,659.00	7,678.61	0.49	161.70	38.56	1,782.14	1,420.83	7,963.73	7,884.85	78.88	100.958		
300.00	300.00	16,659.00	7,678.61	0.85	161.70	38.56	1,782.14	1,420.83	7,867.97	7,789.01	78.96	99.646		
400.00	400.00	16,659.00	7,678.61	1.21	161.70	38.56	1,782.14	1,420.83	7,772.31	7,693.26	79.05	98.323		
500.00	500.00	16,659.00	7,678.61	1.57	161.70	38.56	1,782.14	1,420.83	7,676.76	7,597.61	79.15	96.989		
600.00	600.00	16,659.00	7,678.61	1.93	161.70	38.56	1,782.14	1,420.83	7,581.33	7,502.06	79.26	95.646		
700.00	700.00	16,659.00	7,678.61	2.29	161.70	38.56	1,782.14	1,420.83	7,486.01	7,406.62	79.39	94.294		
800.00	800.00	16,659.00	7,678.61	2.64	161.70	38.56	1,782.14	1,420.83	7,390.82	7,311.30	79.53	92.934		
900.00	899.98	16,659.00	7,678.61	3.00	161.70	-23.48	1,782.14	1,420.83	7,295.27	7,215.60	79.68	91.562		
1,000.00	999.84	16,659.00	7,678.61	3.35	161.70	-26.51	1,782.14	1,420.83	7,198.93	7,119.11	79.82	90.188		
1,100.00	1,099.45	16,659.00	7,678.61	3.71	161.70	-30.35	1,782.14	1,420.83	7,101.88	7,021.93	79.95	88.828		
1,200.00	1,198.70	16,659.00	7,678.61	4.08	161.70	-35.27	1,782.14	1,420.83	7,004.22	6,924.16	80.06	87.484		
1,300.00	1,297.47	16,659.00	7,678.61	4.47	161.70	-41.69	1,782.14	1,420.83	6,906.05	6,825.89	80.16	86.158		
1,400.00	1,395.62	16,659.00	7,678.61	4.87	161.70	-50.17	1,782.14	1,420.83	6,807.45	6,727.22	80.23	84.851		
1,500.00	1,493.06	16,659.00	7,678.61	5.31	161.70	-61.25	1,782.14	1,420.83	6,708.54	6,628.26	80.28	83.564		
1,600.00	1,589.64	16,659.00	7,678.61	5.77	161.70	-75.06	1,782.14	1,420.83	6,609.43	6,529.12	80.31	82.300		
1,700.00	1,685.27	16,659.00	7,678.61	6.28	161.70	-90.63	1,782.14	1,420.83	6,510.23	6,429.91	80.32	81.058		
1,800.00	1,779.82	16,659.00	7,678.61	6.83	161.70	-105.88	1,782.14	1,420.83	6,411.06	6,330.76	80.30	79.840		
1,900.00	1,873.17	16,659.00	7,678.61	7.43	161.70	-118.96	1,782.14	1,420.83	6,312.04	6,231.78	80.26	78.644		
2,000.00	1,965.21	16,659.00	7,678.61	8.08	161.70	-129.26	1,782.14	1,420.83	6,213.30	6,133.10	80.20	77.472		
2,100.00	2,055.84	16,659.00	7,678.61	8.79	161.70	-137.10	1,782.14	1,420.83	6,114.99	6,034.87	80.12	76.321		
2,200.00	2,144.94	16,659.00	7,678.61	9.56	161.70	-143.05	1,782.14	1,420.83	6,017.25	5,937.22	80.03	75.192		
2,300.00	2,232.39	16,659.00	7,678.61	10.39	161.70	-147.61	1,782.14	1,420.83	5,920.22	5,840.31	79.92	74.081		
2,400.00	2,318.11	16,659.00	7,678.61	11.30	161.70	-151.18	1,782.14	1,420.83	5,824.07	5,744.27	79.80	72.987		
2,504.60	2,405.78	16,659.00	7,678.61	12.31	161.70	-154.14	1,782.14	1,420.83	5,724.60	5,644.93	79.67	71.858		
2,600.00	2,484.79	16,659.00	7,678.61	13.28	161.70	-154.14	1,782.14	1,420.83	5,634.54	5,554.98	79.56	70.821		
2,700.00	2,567.60	16,659.00	7,678.61	14.32	161.70	-154.14	1,782.14	1,420.83	5,540.34	5,460.87	79.47	69.713		
2,800.00	2,650.41	16,659.00	7,678.61	15.37	161.70	-154.14	1,782.14	1,420.83	5,446.34	5,366.94	79.40	68.590		
2,900.00	2,733.23	16,659.00	7,678.61	16.44	161.70	-154.14	1,782.14	1,420.83	5,352.56	5,273.21	79.35	67.451		
3,000.00	2,816.04	16,659.00	7,678.61	17.52	161.70	-154.14	1,782.14	1,420.83	5,259.01	5,179.68	79.32	66.298		
3,100.00	2,898.85	16,659.00	7,678.61	18.60	161.70	-154.14	1,782.14	1,420.83	5,165.70	5,086.39	79.31	65.131		
3,200.00	2,981.67	16,659.00	7,678.61	19.69	161.70	-154.14	1,782.14	1,420.83	5,072.64	4,993.32	79.32	63.950		
3,300.00	3,064.48	16,659.00	7,678.61	20.79	161.70	-154.14	1,782.14	1,420.83	4,979.86	4,900.50	79.35	62.755		
3,400.00	3,147.30	16,659.00	7,678.61	21.90	161.70	-154.14	1,782.14	1,420.83	4,887.36	4,807.95	79.41	61.548		
3,500.00	3,230.11	16,659.00	7,678.61	23.00	161.70	-154.14	1,782.14	1,420.83	4,795.16	4,715.67	79.49	60.327		
3,600.00	3,312.92	16,659.00	7,678.61	24.12	161.70	-154.14	1,782.14	1,420.83	4,703.27	4,623.68	79.59	59.093		
3,700.00	3,395.74	16,659.00	7,678.61	25.23	161.70	-154.14	1,782.14	1,420.83	4,611.73	4,532.01	79.72	57.847		
3,800.00	3,478.55	16,659.00	7,678.61	26.35	161.70	-154.14	1,782.14	1,420.83	4,520.54	4,440.66	79.89	56.587		
3,900.00	3,561.36	16,659.00	7,678.61	27.47	161.70	-154.14	1,782.14	1,420.83	4,429.74	4,349.66	80.08	55.314		
4,000.00	3,644.18	16,659.00	7,678.61	28.59	161.70	-154.14	1,782.14	1,420.83	4,339.34	4,259.02	80.32	54.027		
4,100.00	3,726.99	16,659.00	7,678.61	29.72	161.70	-154.14	1,782.14	1,420.83	4,249.37	4,168.78	80.59	52.727		
4,200.00	3,809.81	16,659.00	7,678.61	30.85	161.70	-154.14	1,782.14	1,420.83	4,159.86	4,078.95	80.91	51.414		
4,300.00	3,892.62	16,659.00	7,678.61	31.98	161.70	-154.14	1,782.14	1,420.83	4,070.83	3,989.56	81.28	50.086		
4,400.00	3,975.43	16,659.00	7,678.61	33.11	161.70	-154.14	1,782.14	1,420.83	3,982.33	3,900.63	81.70	48.745		
4,500.00	4,058.25	16,659.00	7,678.61	34.24	161.70	-154.14	1,782.14	1,420.83	3,894.38	3,812.20	82.18	47.389		
4,600.00	4,141.06	16,659.00	7,678.61	35.37	161.70	-154.14	1,782.14	1,420.83	3,807.03	3,724.30	82.73	46.019		
4,700.00	4,223.87	16,659.00	7,678.61	36.50	161.70	-154.14	1,782.14	1,420.83	3,720.32	3,636.97	83.35	44.636		
4,800.00	4,306.69	16,659.00	7,678.61	37.64	161.70	-154.14	1,782.14	1,420.83	3,634.28	3,550.23	84.05	43.239		
4,900.00	4,389.50	16,659.00	7,678.61	38.77	161.70	-154.14	1,782.14	1,420.83	3,548.98	3,464.14	84.84	41.830		
5,000.00	4,472.32	16,659.00	7,678.61	39.91	161.70	-154.14	1,782.14	1,420.83	3,464.47	3,378.74	85.74	40.409		
5,100.00	4,555.13	16,659.00	7,678.61	41.05	161.70	-154.14	1,782.14	1,420.83	3,380.80	3,294.06	86.74	38.977		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,200.00	4,637.94	16,659.00	7,678.61	42.18	161.70	-154.14	1,782.14	1,420.83	3,298.04	3,210.18	87.86	37.537	
5,300.00	4,720.76	16,659.00	7,678.61	43.32	161.70	-154.14	1,782.14	1,420.83	3,216.27	3,127.15	89.12	36.089	
5,400.00	4,803.57	16,659.00	7,678.61	44.46	161.70	-154.14	1,782.14	1,420.83	3,135.54	3,045.02	90.52	34.638	
5,500.00	4,886.39	16,659.00	7,678.61	45.60	161.70	-154.14	1,782.14	1,420.83	3,055.96	2,963.88	92.09	33.186	
5,600.00	4,969.20	16,659.00	7,678.61	46.74	161.70	-154.14	1,782.14	1,420.83	2,977.61	2,883.79	93.82	31.737	
5,700.00	5,052.01	16,659.00	7,678.61	47.88	161.70	-154.14	1,782.14	1,420.83	2,900.59	2,804.85	95.75	30.294	
5,800.00	5,134.83	16,659.00	7,678.61	49.02	161.70	-154.14	1,782.14	1,420.83	2,825.02	2,727.14	97.87	28.864	
5,900.00	5,217.64	16,659.00	7,678.61	50.16	161.70	-154.14	1,782.14	1,420.83	2,751.00	2,650.78	100.22	27.450	
6,000.00	5,300.45	16,659.00	7,678.61	51.30	161.70	-154.14	1,782.14	1,420.83	2,678.67	2,575.87	102.79	26.059	
6,100.00	5,383.27	16,659.00	7,678.61	52.45	161.70	-154.14	1,782.14	1,420.83	2,608.16	2,502.56	105.61	24.697	
6,200.00	5,466.08	16,659.00	7,678.61	53.59	161.70	-154.14	1,782.14	1,420.83	2,539.64	2,430.97	108.68	23.369	
6,300.00	5,548.90	16,659.00	7,678.61	54.73	161.70	-154.14	1,782.14	1,420.83	2,473.27	2,361.26	112.01	22.082	
6,400.00	5,631.71	16,659.00	7,678.61	55.87	161.70	-154.14	1,782.14	1,420.83	2,409.22	2,293.62	115.60	20.841	
6,500.00	5,714.52	16,659.00	7,678.61	57.02	161.70	-154.14	1,782.14	1,420.83	2,347.68	2,228.22	119.46	19.652	
6,600.00	5,797.34	16,659.00	7,678.61	58.16	161.70	-154.14	1,782.14	1,420.83	2,288.86	2,165.27	123.59	18.520	
6,700.00	5,880.15	16,659.00	7,678.61	59.30	161.70	-154.14	1,782.14	1,420.83	2,232.97	2,105.00	127.97	17.450	
6,800.00	5,962.96	16,659.00	7,678.61	60.45	161.70	-154.14	1,782.14	1,420.83	2,180.23	2,047.65	132.58	16.444	
6,900.00	6,045.78	16,659.00	7,678.61	61.59	161.70	-154.14	1,782.14	1,420.83	2,130.89	1,993.48	137.41	15.507	
7,000.00	6,128.59	16,659.00	7,678.61	62.73	161.70	-154.14	1,782.14	1,420.83	2,085.17	1,942.75	142.42	14.641	
7,100.00	6,211.41	16,659.00	7,678.61	63.88	161.70	-154.14	1,782.14	1,420.83	2,043.34	1,895.76	147.58	13.846	
7,200.00	6,294.22	16,659.00	7,678.61	65.02	161.70	-154.14	1,782.14	1,420.83	2,005.61	1,852.78	152.83	13.123	
7,300.00	6,377.03	16,659.00	7,678.61	66.17	161.70	-154.14	1,782.14	1,420.83	1,972.25	1,814.12	158.12	12.473	
7,400.00	6,459.85	16,659.00	7,678.61	67.31	161.70	-154.14	1,782.14	1,420.83	1,943.46	1,780.06	163.39	11.894	
7,500.00	6,542.66	16,659.00	7,678.61	68.46	161.70	-154.14	1,782.14	1,420.83	1,919.45	1,750.87	168.58	11.386	
7,600.00	6,625.48	16,659.00	7,678.61	69.60	161.70	-154.14	1,782.14	1,420.83	1,900.41	1,726.80	173.61	10.946	
7,700.00	6,708.29	16,659.00	7,678.61	70.75	161.70	-154.14	1,782.14	1,420.83	1,886.49	1,708.06	178.42	10.573	
7,800.00	6,791.10	16,659.00	7,678.61	71.89	161.70	-154.14	1,782.14	1,420.83	1,877.79	1,694.84	182.95	10.264	
7,900.00	6,873.92	16,661.52	7,678.64	73.04	161.74	-154.21	1,779.62	1,420.85	1,874.40	1,687.29	187.11	10.018	
7,913.99	6,885.51	16,657.74	7,678.60	73.20	161.67	-154.10	1,783.40	1,420.82	1,874.35	1,686.65	187.70	9.986 CC	
8,000.00	6,956.73	16,634.49	7,678.32	74.18	161.27	-153.42	1,806.65	1,420.65	1,876.18	1,685.04	191.13	9.816 ES	
8,100.00	7,039.54	16,614.54	7,678.00	75.33	160.92	-152.62	1,833.68	1,420.45	1,882.89	1,687.99	194.89	9.661	
8,165.32	7,093.63	16,590.90	7,677.83	76.08	160.51	-152.13	1,850.24	1,420.33	1,889.91	1,692.98	196.93	9.597	
8,200.00	7,122.60	16,582.88	7,677.75	76.47	160.37	-157.18	1,858.26	1,420.27	1,894.51	1,696.50	198.01	9.568	
8,250.00	7,165.05	16,574.68	7,677.68	77.01	160.23	-165.38	1,866.46	1,420.22	1,902.29	1,702.78	199.52	9.534	
8,300.00	7,208.03	16,570.55	7,677.65	77.52	160.16	-174.48	1,870.58	1,420.19	1,911.40	1,710.45	200.95	9.512	
8,350.00	7,251.22	16,570.59	7,677.65	77.99	160.16	175.90	1,870.54	1,420.19	1,921.78	1,719.49	202.28	9.501	
8,400.00	7,294.28	16,574.85	7,677.69	78.41	160.23	166.19	1,866.28	1,420.22	1,933.32	1,729.81	203.51	9.500 SF	
8,450.00	7,336.90	16,583.38	7,677.76	78.78	160.38	156.80	1,857.75	1,420.28	1,945.89	1,741.26	204.63	9.509	
8,500.00	7,378.73	16,596.16	7,677.88	79.10	160.60	148.00	1,844.97	1,420.37	1,959.33	1,753.68	205.65	9.528	
8,550.00	7,419.47	16,613.18	7,678.07	79.37	160.90	139.95	1,827.95	1,420.49	1,973.42	1,766.87	206.55	9.554	
8,600.00	7,458.81	16,634.53	7,678.32	79.59	161.27	132.66	1,806.60	1,420.65	1,987.95	1,780.59	207.36	9.587	
8,650.00	7,496.44	16,659.74	7,678.62	79.76	161.71	126.13	1,781.40	1,420.84	2,002.66	1,794.58	208.08	9.624	
8,700.00	7,532.08	16,659.00	7,678.61	79.88	161.70	120.97	1,782.14	1,420.83	2,017.52	1,808.54	208.98	9.654	
8,750.00	7,565.46	16,659.00	7,678.61	79.95	161.70	116.40	1,782.14	1,420.83	2,032.56	1,822.76	209.80	9.688	
8,800.00	7,596.33	16,659.00	7,678.61	79.98	161.70	112.36	1,782.14	1,420.83	2,047.66	1,837.12	210.54	9.726	
8,850.00	7,624.44	16,659.00	7,678.61	79.97	161.70	108.78	1,782.14	1,420.83	2,062.70	1,851.50	211.20	9.766	
8,900.00	7,649.59	16,659.00	7,678.61	79.93	161.70	105.60	1,782.14	1,420.83	2,077.59	1,865.79	211.79	9.810	
8,950.00	7,671.59	16,659.00	7,678.61	79.84	161.70	102.79	1,782.14	1,420.83	2,092.20	1,879.89	212.31	9.855	
9,000.00	7,690.26	16,659.00	7,678.61	79.73	161.70	100.31	1,782.14	1,420.83	2,106.43	1,893.68	212.74	9.901	
9,050.00	7,705.47	16,659.00	7,678.61	79.59	161.70	98.15	1,782.14	1,420.83	2,120.18	1,907.07	213.11	9.949	
9,100.00	7,717.09	16,659.00	7,678.61	79.43	161.70	96.28	1,782.14	1,420.83	2,133.36	1,919.97	213.39	9.997	
9,150.00	7,725.04	16,659.00	7,678.61	79.26	161.70	94.70	1,782.14	1,420.83	2,145.88	1,932.28	213.60	10.046	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	16,659.00	7,678.61	79.06	161.70	93.40	1,782.14	1,420.83	2,157.66	1,943.93	213.73	10.095		
9,231.13	7,730.00	16,659.00	7,678.61	78.93	161.70	92.73	1,782.14	1,420.83	2,164.58	1,950.81	213.77	10.126		
9,300.00	7,730.00	16,659.00	7,678.61	78.65	161.70	92.73	1,782.14	1,420.83	2,180.57	1,966.82	213.75	10.202		
9,400.00	7,730.00	16,659.00	7,678.61	78.26	161.70	92.73	1,782.14	1,420.83	2,207.40	1,993.96	213.44	10.342		
9,500.00	7,730.00	16,659.00	7,678.61	77.89	161.70	92.73	1,782.14	1,420.83	2,238.39	2,025.55	212.83	10.517		
9,600.00	7,730.00	16,659.00	7,678.61	77.53	161.70	92.73	1,782.14	1,420.83	2,273.35	2,061.41	211.94	10.726		
9,700.00	7,730.00	16,659.00	7,678.61	77.19	161.70	92.73	1,782.14	1,420.83	2,312.11	2,101.31	210.80	10.968		
9,800.00	7,730.00	16,659.00	7,678.61	76.88	161.70	92.73	1,782.14	1,420.83	2,354.49	2,145.06	209.43	11.242		
9,900.00	7,730.00	16,659.00	7,678.61	76.58	161.70	92.73	1,782.14	1,420.83	2,400.28	2,192.41	207.87	11.547		
10,000.00	7,730.00	16,659.00	7,678.61	76.30	161.70	92.73	1,782.14	1,420.83	2,449.31	2,243.16	206.15	11.881		
10,100.00	7,730.00	16,659.00	7,678.61	76.04	161.70	92.73	1,782.14	1,420.83	2,501.37	2,297.08	204.29	12.244		
10,200.00	7,730.00	16,659.00	7,678.61	75.79	161.70	92.73	1,782.14	1,420.83	2,556.29	2,353.96	202.33	12.634		
10,300.00	7,730.00	16,659.00	7,678.61	75.57	161.70	92.73	1,782.14	1,420.83	2,613.88	2,413.60	200.28	13.051		
10,400.00	7,730.00	16,659.00	7,678.61	75.36	161.70	92.73	1,782.14	1,420.83	2,673.97	2,475.80	198.16	13.494		
10,500.00	7,730.00	16,659.00	7,678.61	75.18	161.70	92.73	1,782.14	1,420.83	2,736.39	2,540.38	196.01	13.961		
10,600.00	7,730.00	16,659.00	7,678.61	75.01	161.70	92.73	1,782.14	1,420.83	2,801.00	2,607.17	193.83	14.451		
10,700.00	7,730.00	16,659.00	7,678.61	74.86	161.70	92.73	1,782.14	1,420.83	2,867.64	2,676.00	191.64	14.964		
10,800.00	7,730.00	16,659.00	7,678.61	74.74	161.70	92.73	1,782.14	1,420.83	2,936.17	2,746.72	189.45	15.499		
10,900.00	7,730.00	16,659.00	7,678.61	74.64	161.70	92.73	1,782.14	1,420.83	3,006.47	2,819.19	187.27	16.054		
11,000.00	7,730.00	16,659.00	7,678.61	74.56	161.70	92.73	1,782.14	1,420.83	3,078.41	2,893.29	185.12	16.629		
11,100.00	7,730.00	16,659.00	7,678.61	74.51	161.70	92.73	1,782.14	1,420.83	3,151.88	2,968.88	182.99	17.224		
11,200.00	7,730.00	16,659.00	7,678.61	74.48	161.70	92.73	1,782.14	1,420.83	3,226.78	3,045.87	180.90	17.837		
11,300.00	7,730.00	16,659.00	7,678.61	74.48	161.70	92.73	1,782.14	1,420.83	3,303.00	3,124.15	178.85	18.468		
11,400.00	7,730.00	16,659.00	7,678.61	74.50	161.70	92.73	1,782.14	1,420.83	3,380.47	3,203.62	176.85	19.115		
11,500.00	7,730.00	16,659.00	7,678.61	74.56	161.70	92.73	1,782.14	1,420.83	3,459.09	3,284.20	174.89	19.779		
11,600.00	7,730.00	16,659.00	7,678.61	74.66	161.70	92.73	1,782.14	1,420.83	3,538.80	3,365.82	172.98	20.458		
11,700.00	7,730.00	16,659.00	7,678.61	74.79	161.70	92.73	1,782.14	1,420.83	3,619.51	3,448.39	171.12	21.152		
11,800.00	7,730.00	16,659.00	7,678.61	74.96	161.70	92.73	1,782.14	1,420.83	3,701.16	3,531.85	169.31	21.861		
11,900.00	7,730.00	16,659.00	7,678.61	75.17	161.70	92.73	1,782.14	1,420.83	3,783.69	3,616.14	167.55	22.583		
12,000.00	7,730.00	16,659.00	7,678.61	75.43	161.70	92.73	1,782.14	1,420.83	3,867.05	3,701.21	165.84	23.318		
12,100.00	7,730.00	16,659.00	7,678.61	75.73	161.70	92.73	1,782.14	1,420.83	3,951.18	3,787.00	164.18	24.066		
12,200.00	7,730.00	16,659.00	7,678.61	76.09	161.70	92.73	1,782.14	1,420.83	4,036.03	3,873.46	162.57	24.826		
12,300.00	7,730.00	16,659.00	7,678.61	76.51	161.70	92.73	1,782.14	1,420.83	4,121.57	3,960.55	161.01	25.598		
12,400.00	7,730.00	16,659.00	7,678.61	76.97	161.70	92.73	1,782.14	1,420.83	4,207.74	4,048.23	159.50	26.380		
12,500.00	7,730.00	16,659.00	7,678.61	77.50	161.70	92.73	1,782.14	1,420.83	4,294.51	4,136.47	158.04	27.174		
12,600.00	7,730.00	16,659.00	7,678.61	78.09	161.70	92.73	1,782.14	1,420.83	4,381.84	4,225.22	156.62	27.977		
12,700.00	7,730.00	16,659.00	7,678.61	78.74	161.70	92.73	1,782.14	1,420.83	4,469.71	4,314.46	155.25	28.790		
12,800.00	7,730.00	16,659.00	7,678.61	79.45	161.70	92.73	1,782.14	1,420.83	4,558.07	4,404.15	153.92	29.613		
12,900.00	7,730.00	16,659.00	7,678.61	80.22	161.70	92.73	1,782.14	1,420.83	4,646.91	4,494.28	152.63	30.445		
13,000.00	7,730.00	16,659.00	7,678.61	81.05	161.70	92.73	1,782.14	1,420.83	4,736.19	4,584.81	151.39	31.285		
13,100.00	7,730.00	16,659.00	7,678.61	81.94	161.70	92.73	1,782.14	1,420.83	4,825.90	4,675.72	150.18	32.134		
13,200.00	7,730.00	16,659.00	7,678.61	82.87	161.70	92.73	1,782.14	1,420.83	4,916.00	4,766.98	149.01	32.990		
13,300.00	7,730.00	16,659.00	7,678.61	83.86	161.70	92.73	1,782.14	1,420.83	5,006.47	4,858.59	147.88	33.854		
13,400.00	7,730.00	16,659.00	7,678.61	84.90	161.70	92.73	1,782.14	1,420.83	5,097.31	4,950.52	146.79	34.725		
13,500.00	7,730.00	16,659.00	7,678.61	85.97	161.70	92.73	1,782.14	1,420.83	5,188.48	5,042.75	145.73	35.604		
13,600.00	7,730.00	16,659.00	7,678.61	87.09	161.70	92.73	1,782.14	1,420.83	5,279.96	5,135.26	144.70	36.489		
13,700.00	7,730.00	16,659.00	7,678.61	88.25	161.70	92.73	1,782.14	1,420.83	5,371.76	5,228.05	143.71	37.380		
13,800.00	7,730.00	16,659.00	7,678.61	89.44	161.70	92.73	1,782.14	1,420.83	5,463.84	5,321.10	142.74	38.278		
13,900.00	7,730.00	16,659.00	7,678.61	90.66	161.70	92.73	1,782.14	1,420.83	5,556.19	5,414.38	141.81	39.181		
14,000.00	7,730.00	16,659.00	7,678.61	91.92	161.70	92.73	1,782.14	1,420.83	5,648.81	5,507.90	140.90	40.090		
14,100.00	7,730.00	16,659.00	7,678.61	93.20	161.70	92.73	1,782.14	1,420.83	5,741.67	5,601.64	140.03	41.004		
14,200.00	7,730.00	16,659.00	7,678.61	94.50	161.70	92.73	1,782.14	1,420.83	5,834.77	5,695.59	139.18	41.924		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	16,659.00	7,678.61	95.83	161.70	92.73	1,782.14	1,420.83	5,928.09	5,789.74	138.35	42.848		
14,400.00	7,730.00	16,659.00	7,678.61	97.17	161.70	92.73	1,782.14	1,420.83	6,021.63	5,884.08	137.55	43.777		
14,500.00	7,730.00	16,659.00	7,678.61	98.54	161.70	92.73	1,782.14	1,420.83	6,115.37	5,978.59	136.78	44.711		
14,600.00	7,730.00	16,659.00	7,678.61	99.92	161.70	92.73	1,782.14	1,420.83	6,209.31	6,073.28	136.02	45.649		
14,700.00	7,730.00	16,659.00	7,678.61	101.32	161.70	92.73	1,782.14	1,420.83	6,303.43	6,168.14	135.29	46.591		
14,800.00	7,730.00	16,659.00	7,678.61	102.74	161.70	92.73	1,782.14	1,420.83	6,397.73	6,263.15	134.58	47.537		
14,900.00	7,730.00	16,659.00	7,678.61	104.17	161.70	92.73	1,782.14	1,420.83	6,492.21	6,358.31	133.90	48.487		
15,000.00	7,730.00	16,659.00	7,678.61	105.62	161.70	92.73	1,782.14	1,420.83	6,586.84	6,453.61	133.23	49.440		
15,100.00	7,730.00	16,659.00	7,678.61	107.07	161.70	92.73	1,782.14	1,420.83	6,681.63	6,549.05	132.58	50.397		
15,200.00	7,730.00	16,659.00	7,678.61	108.54	161.70	92.73	1,782.14	1,420.83	6,776.58	6,644.63	131.95	51.357		
15,300.00	7,730.00	16,659.00	7,678.61	110.02	161.70	92.73	1,782.14	1,420.83	6,871.66	6,740.32	131.34	52.320		
15,400.00	7,730.00	16,659.00	7,678.61	111.51	161.70	92.73	1,782.14	1,420.83	6,966.88	6,836.14	130.74	53.287		
15,500.00	7,730.00	16,659.00	7,678.61	113.01	161.70	92.73	1,782.14	1,420.83	7,062.24	6,932.07	130.17	54.256		
15,600.00	7,730.00	16,659.00	7,678.61	114.52	161.70	92.73	1,782.14	1,420.83	7,157.72	7,028.12	129.60	55.227		
15,700.00	7,730.00	16,659.00	7,678.61	116.04	161.70	92.73	1,782.14	1,420.83	7,253.33	7,124.27	129.06	56.202		
15,800.00	7,730.00	16,659.00	7,678.61	117.56	161.70	92.73	1,782.14	1,420.83	7,349.05	7,220.52	128.53	57.178		
15,900.00	7,730.00	16,659.00	7,678.61	119.09	161.70	92.73	1,782.14	1,420.83	7,444.88	7,316.87	128.01	58.157		
16,000.00	7,730.00	16,659.00	7,678.61	120.63	161.70	92.73	1,782.14	1,420.83	7,540.82	7,413.31	127.51	59.139		
16,100.00	7,730.00	16,659.00	7,678.61	122.18	161.70	92.73	1,782.14	1,420.83	7,636.87	7,509.84	127.02	60.122		
16,200.00	7,730.00	16,659.00	7,678.61	123.73	161.70	92.73	1,782.14	1,420.83	7,733.01	7,606.46	126.55	61.107		
16,300.00	7,730.00	16,659.00	7,678.61	125.29	161.70	92.73	1,782.14	1,420.83	7,829.25	7,703.17	126.09	62.094		
16,400.00	7,730.00	16,659.00	7,678.61	126.86	161.70	92.73	1,782.14	1,420.83	7,925.59	7,799.95	125.64	63.083		
16,500.00	7,730.00	16,659.00	7,678.61	128.43	161.70	92.73	1,782.14	1,420.83	8,022.01	7,896.81	125.20	64.074		
16,600.00	7,730.00	16,659.00	7,678.61	130.01	161.70	92.73	1,782.14	1,420.83	8,118.53	7,993.75	124.77	65.066		
16,700.00	7,730.00	16,659.00	7,678.61	131.59	161.70	92.73	1,782.14	1,420.83	8,215.12	8,090.76	124.36	66.059		
16,800.00	7,730.00	16,659.00	7,678.61	133.18	161.70	92.73	1,782.14	1,420.83	8,311.80	8,187.84	123.96	67.054		
16,900.00	7,730.00	16,659.00	7,678.61	134.77	161.70	92.73	1,782.14	1,420.83	8,408.55	8,284.99	123.56	68.051		
17,000.00	7,730.00	16,659.00	7,678.61	136.37	161.70	92.73	1,782.14	1,420.83	8,505.38	8,382.20	123.18	69.048		
17,100.00	7,730.00	16,659.00	7,678.61	137.97	161.70	92.73	1,782.14	1,420.83	8,602.28	8,479.47	122.81	70.047		
17,200.00	7,730.00	16,659.00	7,678.61	139.57	161.70	92.73	1,782.14	1,420.83	8,699.25	8,576.80	122.45	71.046		
17,300.00	7,730.00	16,659.00	7,678.61	141.18	161.70	92.73	1,782.14	1,420.83	8,796.29	8,674.20	122.09	72.047		
17,400.00	7,730.00	16,659.00	7,678.61	142.79	161.70	92.73	1,782.14	1,420.83	8,893.39	8,771.65	121.75	73.048		
17,500.00	7,730.00	16,659.00	7,678.61	144.41	161.70	92.73	1,782.14	1,420.83	8,990.56	8,869.15	121.41	74.051		
17,600.00	7,730.00	16,659.00	7,678.61	146.03	161.70	92.73	1,782.14	1,420.83	9,087.79	8,966.71	121.08	75.054		
17,700.00	7,730.00	16,659.00	7,678.61	147.65	161.70	92.73	1,782.14	1,420.83	9,185.08	9,064.31	120.77	76.057		
17,800.00	7,730.00	16,659.00	7,678.61	149.28	161.70	92.73	1,782.14	1,420.83	9,282.43	9,161.97	120.45	77.062		
17,900.00	7,730.00	16,659.00	7,678.61	150.91	161.70	92.73	1,782.14	1,420.83	9,379.83	9,259.68	120.15	78.067		
18,000.00	7,730.00	16,659.00	7,678.61	152.54	161.70	92.73	1,782.14	1,420.83	9,477.28	9,357.43	119.86	79.072		
18,100.00	7,730.00	16,659.00	7,678.61	154.18	161.70	92.73	1,782.14	1,420.83	9,574.79	9,455.22	119.57	80.078		
18,200.00	7,730.00	16,659.00	7,678.61	155.82	161.70	92.73	1,782.14	1,420.83	9,672.35	9,553.06	119.29	81.084		
18,300.00	7,730.00	16,659.00	7,678.61	157.46	161.70	92.73	1,782.14	1,420.83	9,769.96	9,650.95	119.01	82.090		
18,400.00	7,730.00	16,659.00	7,678.61	159.11	161.70	92.73	1,782.14	1,420.83	9,867.62	9,748.87	118.75	83.097		
18,500.00	7,730.00	16,659.00	7,678.61	160.75	161.70	92.73	1,782.14	1,420.83	9,965.32	9,846.83	118.49	84.104		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	16,530.00	7,789.95	0.00	159.85	42.39	1,779.80	1,624.83	8,299.54					
100.00	100.00	16,530.00	7,789.95	0.13	159.85	42.39	1,779.80	1,624.83	8,203.90	8,126.60	77.30	106.130		
200.00	200.00	16,530.00	7,789.95	0.49	159.85	42.39	1,779.80	1,624.83	8,108.37	8,030.97	77.39	104.769		
300.00	300.00	16,530.00	7,789.95	0.85	159.85	42.39	1,779.80	1,624.83	8,012.94	7,935.44	77.50	103.395		
400.00	400.00	16,530.00	7,789.95	1.21	159.85	42.39	1,779.80	1,624.83	7,917.63	7,840.01	77.62	102.010		
500.00	500.00	16,530.00	7,789.95	1.57	159.85	42.39	1,779.80	1,624.83	7,822.43	7,744.68	77.75	100.612		
600.00	600.00	16,530.00	7,789.95	1.93	159.85	42.39	1,779.80	1,624.83	7,727.36	7,649.46	77.89	99.204		
700.00	700.00	16,530.00	7,789.95	2.29	159.85	42.39	1,779.80	1,624.83	7,632.41	7,554.36	78.05	97.786		
800.00	800.00	16,530.00	7,789.95	2.64	159.85	42.39	1,779.80	1,624.83	7,537.59	7,459.37	78.22	96.360		
900.00	899.98	16,530.00	7,789.95	3.00	159.85	-19.13	1,779.80	1,624.83	7,442.39	7,363.98	78.41	94.920		
1,000.00	999.84	16,530.00	7,789.95	3.35	159.85	-21.53	1,779.80	1,624.83	7,346.34	7,267.75	78.59	93.481		
1,100.00	1,099.45	16,530.00	7,789.95	3.71	159.85	-24.56	1,779.80	1,624.83	7,249.52	7,170.77	78.75	92.057		
1,200.00	1,198.70	16,530.00	7,789.95	4.08	159.85	-28.47	1,779.80	1,624.83	7,152.04	7,073.14	78.90	90.651		
1,300.00	1,297.47	16,530.00	7,789.95	4.47	159.85	-33.64	1,779.80	1,624.83	7,053.97	6,974.95	79.02	89.266		
1,400.00	1,395.62	16,530.00	7,789.95	4.87	159.85	-40.65	1,779.80	1,624.83	6,955.42	6,876.29	79.13	87.903		
1,500.00	1,493.06	16,530.00	7,789.95	5.31	159.85	-50.31	1,779.80	1,624.83	6,856.49	6,777.28	79.21	86.563		
1,600.00	1,589.64	16,530.00	7,789.95	5.77	159.85	-63.48	1,779.80	1,624.83	6,757.29	6,678.02	79.26	85.249		
1,700.00	1,685.27	16,530.00	7,789.95	6.28	159.85	-80.22	1,779.80	1,624.83	6,657.92	6,578.62	79.30	83.962		
1,800.00	1,779.82	16,530.00	7,789.95	6.83	159.85	-98.51	1,779.80	1,624.83	6,558.51	6,479.21	79.30	82.701		
1,900.00	1,873.17	16,530.00	7,789.95	7.43	159.85	-115.00	1,779.80	1,624.83	6,459.17	6,379.89	79.29	81.467		
2,000.00	1,965.21	16,530.00	7,789.95	8.08	159.85	-127.87	1,779.80	1,624.83	6,360.04	6,280.80	79.24	80.261		
2,100.00	2,055.84	16,530.00	7,789.95	8.79	159.85	-137.29	1,779.80	1,624.83	6,261.24	6,182.07	79.17	79.081		
2,200.00	2,144.94	16,530.00	7,789.95	9.56	159.85	-144.12	1,779.80	1,624.83	6,162.92	6,083.84	79.08	77.928		
2,300.00	2,232.39	16,530.00	7,789.95	10.39	159.85	-149.17	1,779.80	1,624.83	6,065.22	5,986.25	78.97	76.800		
2,400.00	2,318.11	16,530.00	7,789.95	11.30	159.85	-152.98	1,779.80	1,624.83	5,968.29	5,889.45	78.85	75.696		
2,504.60	2,405.78	16,530.00	7,789.95	12.31	159.85	-156.06	1,779.80	1,624.83	5,867.91	5,789.21	78.70	74.562		
2,600.00	2,484.79	16,530.00	7,789.95	13.28	159.85	-156.06	1,779.80	1,624.83	5,776.95	5,698.38	78.57	73.526		
2,700.00	2,567.60	16,530.00	7,789.95	14.32	159.85	-156.06	1,779.80	1,624.83	5,681.76	5,603.30	78.46	72.420		
2,800.00	2,650.41	16,530.00	7,789.95	15.37	159.85	-156.06	1,779.80	1,624.83	5,586.74	5,508.38	78.35	71.302		
2,900.00	2,733.23	16,530.00	7,789.95	16.44	159.85	-156.06	1,779.80	1,624.83	5,491.89	5,413.62	78.27	70.169		
3,000.00	2,816.04	16,530.00	7,789.95	17.52	159.85	-156.06	1,779.80	1,624.83	5,397.23	5,319.04	78.19	69.025		
3,100.00	2,898.85	16,530.00	7,789.95	18.60	159.85	-156.06	1,779.80	1,624.83	5,302.77	5,224.63	78.13	67.867		
3,200.00	2,981.67	16,530.00	7,789.95	19.69	159.85	-156.06	1,779.80	1,624.83	5,208.51	5,130.42	78.09	66.698		
3,300.00	3,064.48	16,530.00	7,789.95	20.79	159.85	-156.06	1,779.80	1,624.83	5,114.47	5,036.41	78.06	65.517		
3,400.00	3,147.30	16,530.00	7,789.95	21.90	159.85	-156.06	1,779.80	1,624.83	5,020.66	4,942.61	78.05	64.324		
3,500.00	3,230.11	16,530.00	7,789.95	23.00	159.85	-156.06	1,779.80	1,624.83	4,927.10	4,849.04	78.06	63.120		
3,600.00	3,312.92	16,530.00	7,789.95	24.12	159.85	-156.06	1,779.80	1,624.83	4,833.79	4,755.70	78.09	61.904		
3,700.00	3,395.74	16,530.00	7,789.95	25.23	159.85	-156.06	1,779.80	1,624.83	4,740.76	4,662.62	78.13	60.676		
3,800.00	3,478.55	16,530.00	7,789.95	26.35	159.85	-156.06	1,779.80	1,624.83	4,648.01	4,569.81	78.20	59.438		
3,900.00	3,561.36	16,530.00	7,789.95	27.47	159.85	-156.06	1,779.80	1,624.83	4,555.57	4,477.28	78.29	58.187		
4,000.00	3,644.18	16,530.00	7,789.95	28.59	159.85	-156.06	1,779.80	1,624.83	4,463.46	4,385.05	78.41	56.925		
4,100.00	3,726.99	16,530.00	7,789.95	29.72	159.85	-156.06	1,779.80	1,624.83	4,371.70	4,293.14	78.56	55.650		
4,200.00	3,809.81	16,530.00	7,789.95	30.85	159.85	-156.06	1,779.80	1,624.83	4,280.30	4,201.56	78.74	54.363		
4,300.00	3,892.62	16,530.00	7,789.95	31.98	159.85	-156.06	1,779.80	1,624.83	4,189.30	4,110.35	78.95	53.064		
4,400.00	3,975.43	16,530.00	7,789.95	33.11	159.85	-156.06	1,779.80	1,624.83	4,098.71	4,019.51	79.20	51.751		
4,500.00	4,058.25	16,530.00	7,789.95	34.24	159.85	-156.06	1,779.80	1,624.83	4,008.58	3,929.08	79.50	50.425		
4,600.00	4,141.06	16,530.00	7,789.95	35.37	159.85	-156.06	1,779.80	1,624.83	3,918.92	3,839.08	79.84	49.084		
4,700.00	4,223.87	16,530.00	7,789.95	36.50	159.85	-156.06	1,779.80	1,624.83	3,829.77	3,749.53	80.24	47.730		
4,800.00	4,306.69	16,530.00	7,789.95	37.64	159.85	-156.06	1,779.80	1,624.83	3,741.18	3,660.48	80.70	46.362		
4,900.00	4,389.50	16,530.00	7,789.95	38.77	159.85	-156.06	1,779.80	1,624.83	3,653.17	3,571.95	81.22	44.979		
5,000.00	4,472.32	16,530.00	7,789.95	39.91	159.85	-156.06	1,779.80	1,624.83	3,565.79	3,483.97	81.82	43.581		
5,100.00	4,555.13	16,530.00	7,789.95	41.05	159.85	-156.06	1,779.80	1,624.83	3,479.10	3,396.59	82.50	42.169		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	16,530.00	7,789.95	42.18	159.85	-156.06	1,779.80	1,624.83	3,393.13	3,309.85	83.28	40.744		
5,300.00	4,720.76	16,530.00	7,789.95	43.32	159.85	-156.06	1,779.80	1,624.83	3,307.96	3,223.80	84.16	39.305		
5,400.00	4,803.57	16,530.00	7,789.95	44.46	159.85	-156.06	1,779.80	1,624.83	3,223.64	3,138.48	85.16	37.855		
5,500.00	4,886.39	16,530.00	7,789.95	45.60	159.85	-156.06	1,779.80	1,624.83	3,140.23	3,053.95	86.28	36.395		
5,600.00	4,969.20	16,530.00	7,789.95	46.74	159.85	-156.06	1,779.80	1,624.83	3,057.83	2,970.28	87.55	34.927		
5,700.00	5,052.01	16,530.00	7,789.95	47.88	159.85	-156.06	1,779.80	1,624.83	2,976.50	2,887.53	88.97	33.454		
5,800.00	5,134.83	16,530.00	7,789.95	49.02	159.85	-156.06	1,779.80	1,624.83	2,896.34	2,805.77	90.57	31.979		
5,900.00	5,217.64	16,530.00	7,789.95	50.16	159.85	-156.06	1,779.80	1,624.83	2,817.45	2,725.09	92.36	30.507		
6,000.00	5,300.45	16,530.00	7,789.95	51.30	159.85	-156.06	1,779.80	1,624.83	2,739.94	2,645.59	94.35	29.041		
6,100.00	5,383.27	16,530.00	7,789.95	52.45	159.85	-156.06	1,779.80	1,624.83	2,663.93	2,567.36	96.56	27.588		
6,200.00	5,466.08	16,530.00	7,789.95	53.59	159.85	-156.06	1,779.80	1,624.83	2,589.55	2,490.53	99.02	26.153		
6,300.00	5,548.90	16,530.00	7,789.95	54.73	159.85	-156.06	1,779.80	1,624.83	2,516.94	2,415.21	101.73	24.742		
6,400.00	5,631.71	16,530.00	7,789.95	55.87	159.85	-156.06	1,779.80	1,624.83	2,446.27	2,341.56	104.70	23.364		
6,500.00	5,714.52	16,530.00	7,789.95	57.02	159.85	-156.06	1,779.80	1,624.83	2,377.70	2,269.73	107.97	22.023		
6,600.00	5,797.34	16,530.00	7,789.95	58.16	159.85	-156.06	1,779.80	1,624.83	2,311.43	2,199.91	111.52	20.727		
6,700.00	5,880.15	16,530.00	7,789.95	59.30	159.85	-156.06	1,779.80	1,624.83	2,247.65	2,132.29	115.37	19.483		
6,800.00	5,962.96	16,530.00	7,789.95	60.45	159.85	-156.06	1,779.80	1,624.83	2,186.59	2,067.08	119.51	18.296		
6,900.00	6,045.78	16,530.00	7,789.95	61.59	159.85	-156.06	1,779.80	1,624.83	2,128.48	2,004.54	123.94	17.173		
7,000.00	6,128.59	16,530.00	7,789.95	62.73	159.85	-156.06	1,779.80	1,624.83	2,073.56	1,944.91	128.65	16.118		
7,100.00	6,211.41	16,530.00	7,789.95	63.88	159.85	-156.06	1,779.80	1,624.83	2,022.10	1,888.49	133.61	15.135		
7,200.00	6,294.22	16,530.00	7,789.95	65.02	159.85	-156.06	1,779.80	1,624.83	1,974.37	1,835.58	138.79	14.226		
7,300.00	6,377.03	16,530.00	7,789.95	66.17	159.85	-156.06	1,779.80	1,624.83	1,930.64	1,786.50	144.14	13.394		
7,400.00	6,459.85	16,530.00	7,789.95	67.31	159.85	-156.06	1,779.80	1,624.83	1,891.19	1,741.57	149.62	12.640		
7,500.00	6,542.66	16,530.00	7,789.95	68.46	159.85	-156.06	1,779.80	1,624.83	1,856.30	1,701.13	155.17	11.963		
7,600.00	6,625.48	16,530.00	7,789.95	69.60	159.85	-156.06	1,779.80	1,624.83	1,826.22	1,665.52	160.70	11.364		
7,700.00	6,708.29	16,530.00	7,789.95	70.75	159.85	-156.06	1,779.80	1,624.83	1,801.20	1,635.06	166.15	10.841		
7,800.00	6,791.10	16,530.00	7,789.95	71.89	159.85	-156.06	1,779.80	1,624.83	1,781.45	1,610.03	171.43	10.392		
7,900.00	6,873.92	16,530.00	7,789.95	73.04	159.85	-156.06	1,779.80	1,624.83	1,767.15	1,590.69	176.45	10.015		
8,000.00	6,956.73	16,530.00	7,789.95	74.18	159.85	-156.06	1,779.80	1,624.83	1,758.42	1,577.26	181.16	9.707		
8,100.00	7,039.54	16,530.00	7,789.95	75.33	159.85	-156.06	1,779.80	1,624.83	1,755.36	1,569.89	185.47	9.465		
8,103.81	7,042.70	16,530.00	7,789.95	75.37	159.85	-156.06	1,779.80	1,624.83	1,755.35	1,569.73	185.62	9.457 CC		
8,165.32	7,093.63	16,530.00	7,789.95	76.08	159.85	-156.06	1,779.80	1,624.83	1,756.43	1,568.39	188.04	9.341 ES		
8,200.00	7,122.60	16,535.02	7,789.79	76.47	159.94	-161.19	1,774.79	1,625.03	1,757.94	1,568.65	189.29	9.287		
8,250.00	7,165.05	16,525.53	7,790.10	77.01	159.77	-168.87	1,784.27	1,624.64	1,761.18	1,569.88	191.30	9.206		
8,300.00	7,208.03	16,520.34	7,790.27	77.52	159.68	-177.44	1,789.46	1,624.44	1,765.60	1,572.37	193.23	9.137		
8,350.00	7,251.22	16,519.49	7,790.30	77.99	159.67	173.47	1,790.30	1,624.40	1,771.21	1,576.14	195.07	9.080		
8,400.00	7,294.28	16,523.00	7,790.18	78.41	159.73	164.28	1,786.79	1,624.54	1,777.95	1,581.16	196.79	9.035		
8,450.00	7,336.90	16,530.84	7,789.93	78.78	159.86	155.40	1,778.97	1,624.86	1,785.74	1,587.35	198.40	9.001		
8,500.00	7,378.73	16,530.00	7,789.95	79.10	159.85	147.51	1,779.80	1,624.83	1,794.50	1,594.46	200.04	8.971		
8,550.00	7,419.47	16,530.00	7,789.95	79.37	159.85	140.42	1,779.80	1,624.83	1,804.15	1,602.57	201.58	8.950		
8,600.00	7,458.81	16,530.00	7,789.95	79.59	159.85	134.15	1,779.80	1,624.83	1,814.62	1,611.58	203.04	8.937		
8,650.00	7,496.44	16,530.00	7,789.95	79.76	159.85	128.64	1,779.80	1,624.83	1,825.80	1,621.41	204.39	8.933 SF		
8,700.00	7,532.08	16,530.00	7,789.95	79.88	159.85	123.78	1,779.80	1,624.83	1,837.60	1,631.96	205.64	8.936		
8,750.00	7,565.46	16,530.00	7,789.95	79.95	159.85	119.50	1,779.80	1,624.83	1,849.92	1,643.13	206.79	8.946		
8,800.00	7,596.33	16,530.00	7,789.95	79.98	159.85	115.70	1,779.80	1,624.83	1,862.66	1,654.84	207.82	8.963		
8,850.00	7,624.44	16,530.00	7,789.95	79.97	159.85	112.31	1,779.80	1,624.83	1,875.71	1,666.97	208.74	8.986		
8,900.00	7,649.59	16,530.00	7,789.95	79.93	159.85	109.28	1,779.80	1,624.83	1,888.96	1,679.41	209.55	9.014		
8,950.00	7,671.59	16,530.00	7,789.95	79.84	159.85	106.57	1,779.80	1,624.83	1,902.32	1,692.08	210.24	9.048		
9,000.00	7,690.26	16,530.00	7,789.95	79.73	159.85	104.16	1,779.80	1,624.83	1,915.68	1,704.86	210.82	9.087		
9,050.00	7,705.47	16,530.00	7,789.95	79.59	159.85	102.01	1,779.80	1,624.83	1,928.94	1,717.66	211.28	9.130		
9,100.00	7,717.09	16,530.00	7,789.95	79.43	159.85	100.12	1,779.80	1,624.83	1,942.00	1,730.38	211.63	9.177		
9,150.00	7,725.04	16,530.00	7,789.95	79.26	159.85	98.48	1,779.80	1,624.83	1,954.77	1,742.91	211.86	9.227		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	16,530.00	7,789.95	79.06	159.85	97.09	1,779.80	1,624.83	1,967.16	1,755.18	211.97	9.280		
9,231.13	7,730.00	16,530.00	7,789.95	78.93	159.85	96.34	1,779.80	1,624.83	1,974.64	1,762.65	211.99	9.315		
9,300.00	7,730.00	16,530.00	7,789.95	78.65	159.85	96.34	1,779.80	1,624.83	1,992.09	1,780.21	211.88	9.402		
9,400.00	7,730.00	16,530.00	7,789.95	78.26	159.85	96.34	1,779.80	1,624.83	2,021.35	1,809.95	211.40	9.562		
9,500.00	7,730.00	16,530.00	7,789.95	77.89	159.85	96.34	1,779.80	1,624.83	2,055.06	1,844.49	210.56	9.760		
9,600.00	7,730.00	16,530.00	7,789.95	77.53	159.85	96.34	1,779.80	1,624.83	2,093.01	1,883.59	209.41	9.995		
9,700.00	7,730.00	16,530.00	7,789.95	77.19	159.85	96.34	1,779.80	1,624.83	2,134.97	1,926.99	207.98	10.265		
9,800.00	7,730.00	16,530.00	7,789.95	76.88	159.85	96.34	1,779.80	1,624.83	2,180.71	1,974.40	206.31	10.570		
9,900.00	7,730.00	16,530.00	7,789.95	76.58	159.85	96.34	1,779.80	1,624.83	2,230.01	2,025.56	204.45	10.907		
10,000.00	7,730.00	16,530.00	7,789.95	76.30	159.85	96.34	1,779.80	1,624.83	2,282.62	2,080.20	202.42	11.277		
10,100.00	7,730.00	16,530.00	7,789.95	76.04	159.85	96.34	1,779.80	1,624.83	2,338.33	2,138.06	200.27	11.676		
10,200.00	7,730.00	16,530.00	7,789.95	75.79	159.85	96.34	1,779.80	1,624.83	2,396.91	2,198.89	198.02	12.104		
10,300.00	7,730.00	16,530.00	7,789.95	75.57	159.85	96.34	1,779.80	1,624.83	2,458.17	2,262.47	195.70	12.561		
10,400.00	7,730.00	16,530.00	7,789.95	75.36	159.85	96.34	1,779.80	1,624.83	2,521.91	2,328.56	193.35	13.043		
10,500.00	7,730.00	16,530.00	7,789.95	75.18	159.85	96.34	1,779.80	1,624.83	2,587.94	2,396.97	190.97	13.552		
10,600.00	7,730.00	16,530.00	7,789.95	75.01	159.85	96.34	1,779.80	1,624.83	2,656.10	2,467.51	188.59	14.084		
10,700.00	7,730.00	16,530.00	7,789.95	74.86	159.85	96.34	1,779.80	1,624.83	2,726.22	2,540.00	186.22	14.640		
10,800.00	7,730.00	16,530.00	7,789.95	74.74	159.85	96.34	1,779.80	1,624.83	2,798.16	2,614.28	183.88	15.218		
10,900.00	7,730.00	16,530.00	7,789.95	74.64	159.85	96.34	1,779.80	1,624.83	2,871.78	2,690.21	181.57	15.817		
11,000.00	7,730.00	16,530.00	7,789.95	74.56	159.85	96.34	1,779.80	1,624.83	2,946.95	2,767.66	179.30	16.436		
11,100.00	7,730.00	16,530.00	7,789.95	74.51	159.85	96.34	1,779.80	1,624.83	3,023.57	2,846.49	177.08	17.075		
11,200.00	7,730.00	16,530.00	7,789.95	74.48	159.85	96.34	1,779.80	1,624.83	3,101.51	2,926.60	174.91	17.732		
11,300.00	7,730.00	16,530.00	7,789.95	74.48	159.85	96.34	1,779.80	1,624.83	3,180.69	3,007.89	172.80	18.407		
11,400.00	7,730.00	16,530.00	7,789.95	74.50	159.85	96.34	1,779.80	1,624.83	3,261.01	3,090.27	170.75	19.099		
11,500.00	7,730.00	16,530.00	7,789.95	74.56	159.85	96.34	1,779.80	1,624.83	3,342.40	3,173.65	168.75	19.807		
11,600.00	7,730.00	16,530.00	7,789.95	74.66	159.85	96.34	1,779.80	1,624.83	3,424.77	3,257.95	166.82	20.530		
11,700.00	7,730.00	16,530.00	7,789.95	74.79	159.85	96.34	1,779.80	1,624.83	3,508.06	3,343.11	164.95	21.268		
11,800.00	7,730.00	16,530.00	7,789.95	74.96	159.85	96.34	1,779.80	1,624.83	3,592.20	3,429.06	163.14	22.020		
11,900.00	7,730.00	16,530.00	7,789.95	75.17	159.85	96.34	1,779.80	1,624.83	3,677.13	3,515.75	161.38	22.785		
12,000.00	7,730.00	16,530.00	7,789.95	75.43	159.85	96.34	1,779.80	1,624.83	3,762.81	3,603.12	159.69	23.563		
12,100.00	7,730.00	16,530.00	7,789.95	75.73	159.85	96.34	1,779.80	1,624.83	3,849.19	3,691.12	158.06	24.353		
12,200.00	7,730.00	16,530.00	7,789.95	76.09	159.85	96.34	1,779.80	1,624.83	3,936.17	3,779.71	156.48	25.155		
12,300.00	7,730.00	16,530.00	7,789.95	76.51	159.85	96.34	1,779.80	1,624.83	4,023.80	3,868.85	154.95	25.968		
12,400.00	7,730.00	16,530.00	7,789.95	76.97	159.85	96.34	1,779.80	1,624.83	4,111.98	3,958.51	153.48	26.792		
12,500.00	7,730.00	16,530.00	7,789.95	77.50	159.85	96.34	1,779.80	1,624.83	4,200.69	4,048.64	152.05	27.626		
12,600.00	7,730.00	16,530.00	7,789.95	78.09	159.85	96.34	1,779.80	1,624.83	4,289.90	4,139.22	150.68	28.470		
12,700.00	7,730.00	16,530.00	7,789.95	78.74	159.85	96.34	1,779.80	1,624.83	4,379.57	4,230.22	149.36	29.323		
12,800.00	7,730.00	16,530.00	7,789.95	79.45	159.85	96.34	1,779.80	1,624.83	4,469.68	4,321.61	148.08	30.185		
12,900.00	7,730.00	16,530.00	7,789.95	80.22	159.85	96.34	1,779.80	1,624.83	4,560.21	4,413.36	146.84	31.055		
13,000.00	7,730.00	16,530.00	7,789.95	81.05	159.85	96.34	1,779.80	1,624.83	4,651.12	4,505.47	145.65	31.934		
13,100.00	7,730.00	16,530.00	7,789.95	81.94	159.85	96.34	1,779.80	1,624.83	4,742.40	4,597.90	144.50	32.820		
13,200.00	7,730.00	16,530.00	7,789.95	82.87	159.85	96.34	1,779.80	1,624.83	4,834.02	4,690.63	143.39	33.713		
13,300.00	7,730.00	16,530.00	7,789.95	83.86	159.85	96.34	1,779.80	1,624.83	4,925.97	4,783.66	142.31	34.614		
13,400.00	7,730.00	16,530.00	7,789.95	84.90	159.85	96.34	1,779.80	1,624.83	5,018.22	4,876.95	141.28	35.521		
13,500.00	7,730.00	16,530.00	7,789.95	85.97	159.85	96.34	1,779.80	1,624.83	5,110.77	4,970.50	140.27	36.435		
13,600.00	7,730.00	16,530.00	7,789.95	87.09	159.85	96.34	1,779.80	1,624.83	5,203.60	5,064.29	139.30	37.354		
13,700.00	7,730.00	16,530.00	7,789.95	88.25	159.85	96.34	1,779.80	1,624.83	5,296.68	5,158.32	138.37	38.280		
13,800.00	7,730.00	16,530.00	7,789.95	89.44	159.85	96.34	1,779.80	1,624.83	5,390.01	5,252.55	137.46	39.211		
13,900.00	7,730.00	16,530.00	7,789.95	90.66	159.85	96.34	1,779.80	1,624.83	5,483.58	5,347.00	136.58	40.148		
14,000.00	7,730.00	16,530.00	7,789.95	91.92	159.85	96.34	1,779.80	1,624.83	5,577.37	5,441.64	135.74	41.090		
14,100.00	7,730.00	16,530.00	7,789.95	93.20	159.85	96.34	1,779.80	1,624.83	5,671.38	5,536.46	134.92	42.036		
14,200.00	7,730.00	16,530.00	7,789.95	94.50	159.85	96.34	1,779.80	1,624.83	5,765.58	5,631.46	134.12	42.987		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	16,530.00	7,789.95	95.83	159.85	96.34	1,779.80	1,624.83	5,859.98	5,726.62	133.35	43.943		
14,400.00	7,730.00	16,530.00	7,789.95	97.17	159.85	96.34	1,779.80	1,624.83	5,954.56	5,821.95	132.61	44.903		
14,500.00	7,730.00	16,530.00	7,789.95	98.54	159.85	96.34	1,779.80	1,624.83	6,049.31	5,917.42	131.89	45.866		
14,600.00	7,730.00	16,530.00	7,789.95	99.92	159.85	96.34	1,779.80	1,624.83	6,144.23	6,013.04	131.19	46.834		
14,700.00	7,730.00	16,530.00	7,789.95	101.32	159.85	96.34	1,779.80	1,624.83	6,239.31	6,108.80	130.52	47.805		
14,800.00	7,730.00	16,530.00	7,789.95	102.74	159.85	96.34	1,779.80	1,624.83	6,334.54	6,204.68	129.86	48.780		
14,900.00	7,730.00	16,530.00	7,789.95	104.17	159.85	96.34	1,779.80	1,624.83	6,429.92	6,300.69	129.23	49.757		
15,000.00	7,730.00	16,530.00	7,789.95	105.62	159.85	96.34	1,779.80	1,624.83	6,525.43	6,396.82	128.61	50.738		
15,100.00	7,730.00	16,530.00	7,789.95	107.07	159.85	96.34	1,779.80	1,624.83	6,621.08	6,493.07	128.01	51.722		
15,200.00	7,730.00	16,530.00	7,789.95	108.54	159.85	96.34	1,779.80	1,624.83	6,716.85	6,589.42	127.43	52.709		
15,300.00	7,730.00	16,530.00	7,789.95	110.02	159.85	96.34	1,779.80	1,624.83	6,812.75	6,685.88	126.87	53.699		
15,400.00	7,730.00	16,530.00	7,789.95	111.51	159.85	96.34	1,779.80	1,624.83	6,908.76	6,782.43	126.32	54.691		
15,500.00	7,730.00	16,530.00	7,789.95	113.01	159.85	96.34	1,779.80	1,624.83	7,004.88	6,879.09	125.80	55.685		
15,600.00	7,730.00	16,530.00	7,789.95	114.52	159.85	96.34	1,779.80	1,624.83	7,101.11	6,975.83	125.28	56.681		
15,700.00	7,730.00	16,530.00	7,789.95	116.04	159.85	96.34	1,779.80	1,624.83	7,197.44	7,072.66	124.78	57.680		
15,800.00	7,730.00	16,530.00	7,789.95	117.56	159.85	96.34	1,779.80	1,624.83	7,293.88	7,169.58	124.30	58.681		
15,900.00	7,730.00	16,530.00	7,789.95	119.09	159.85	96.34	1,779.80	1,624.83	7,390.40	7,266.58	123.83	59.684		
16,000.00	7,730.00	16,530.00	7,789.95	120.63	159.85	96.34	1,779.80	1,624.83	7,487.02	7,363.65	123.37	60.688		
16,100.00	7,730.00	16,530.00	7,789.95	122.18	159.85	96.34	1,779.80	1,624.83	7,583.72	7,460.80	122.92	61.694		
16,200.00	7,730.00	16,530.00	7,789.95	123.73	159.85	96.34	1,779.80	1,624.83	7,680.51	7,558.02	122.49	62.702		
16,300.00	7,730.00	16,530.00	7,789.95	125.29	159.85	96.34	1,779.80	1,624.83	7,777.39	7,655.31	122.07	63.711		
16,400.00	7,730.00	16,530.00	7,789.95	126.86	159.85	96.34	1,779.80	1,624.83	7,874.33	7,752.67	121.66	64.722		
16,500.00	7,730.00	16,530.00	7,789.95	128.43	159.85	96.34	1,779.80	1,624.83	7,971.36	7,850.09	121.27	65.734		
16,600.00	7,730.00	16,530.00	7,789.95	130.01	159.85	96.34	1,779.80	1,624.83	8,068.46	7,947.57	120.88	66.747		
16,700.00	7,730.00	16,530.00	7,789.95	131.59	159.85	96.34	1,779.80	1,624.83	8,165.62	8,045.12	120.51	67.761		
16,800.00	7,730.00	16,530.00	7,789.95	133.18	159.85	96.34	1,779.80	1,624.83	8,262.86	8,142.72	120.14	68.776		
16,900.00	7,730.00	16,530.00	7,789.95	134.77	159.85	96.34	1,779.80	1,624.83	8,360.16	8,240.37	119.79	69.792		
17,000.00	7,730.00	16,530.00	7,789.95	136.37	159.85	96.34	1,779.80	1,624.83	8,457.52	8,338.08	119.44	70.809		
17,100.00	7,730.00	16,530.00	7,789.95	137.97	159.85	96.34	1,779.80	1,624.83	8,554.94	8,435.84	119.10	71.827		
17,200.00	7,730.00	16,530.00	7,789.95	139.57	159.85	96.34	1,779.80	1,624.83	8,652.43	8,533.65	118.78	72.846		
17,300.00	7,730.00	16,530.00	7,789.95	141.18	159.85	96.34	1,779.80	1,624.83	8,749.97	8,631.51	118.46	73.865		
17,400.00	7,730.00	16,530.00	7,789.95	142.79	159.85	96.34	1,779.80	1,624.83	8,847.56	8,729.41	118.15	74.885		
17,500.00	7,730.00	16,530.00	7,789.95	144.41	159.85	96.34	1,779.80	1,624.83	8,945.21	8,827.36	117.85	75.905		
17,600.00	7,730.00	16,530.00	7,789.95	146.03	159.85	96.34	1,779.80	1,624.83	9,042.91	8,925.35	117.55	76.926		
17,700.00	7,730.00	16,530.00	7,789.95	147.65	159.85	96.34	1,779.80	1,624.83	9,140.66	9,023.39	117.27	77.947		
17,800.00	7,730.00	16,530.00	7,789.95	149.28	159.85	96.34	1,779.80	1,624.83	9,238.45	9,121.46	116.99	78.969		
17,900.00	7,730.00	16,530.00	7,789.95	150.91	159.85	96.34	1,779.80	1,624.83	9,336.30	9,219.58	116.72	79.990		
18,000.00	7,730.00	16,530.00	7,789.95	152.54	159.85	96.34	1,779.80	1,624.83	9,434.18	9,317.73	116.45	81.012		
18,100.00	7,730.00	16,530.00	7,789.95	154.18	159.85	96.34	1,779.80	1,624.83	9,532.12	9,415.92	116.20	82.035		
18,200.00	7,730.00	16,530.00	7,789.95	155.82	159.85	96.34	1,779.80	1,624.83	9,630.09	9,514.15	115.95	83.057		
18,300.00	7,730.00	16,530.00	7,789.95	157.46	159.85	96.34	1,779.80	1,624.83	9,728.11	9,612.41	115.70	84.079		
18,400.00	7,730.00	16,530.00	7,789.95	159.11	159.85	96.34	1,779.80	1,624.83	9,826.16	9,710.70	115.46	85.102		
18,500.00	7,730.00	16,530.00	7,789.95	160.75	159.85	96.34	1,779.80	1,624.83	9,924.26	9,809.03	115.23	86.124		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 184-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-54.44	786.89	-1,100.94	1,353.28					
100.00	100.00	84.64	84.64	0.13	0.13	-54.45	786.92	-1,101.08	1,353.38	1,353.11	0.27	5,059.369		
200.00	200.00	179.73	179.73	0.49	0.28	-54.46	787.02	-1,101.60	1,353.88	1,353.11	0.78	1,746.564 ES		
300.00	300.00	276.87	276.87	0.85	0.62	-54.47	787.26	-1,102.37	1,354.68	1,353.20	1.47	919.543		
400.00	400.00	375.19	375.18	1.21	0.97	-54.47	787.69	-1,103.27	1,355.67	1,353.49	2.18	620.752		
500.00	500.00	481.15	481.13	1.57	1.35	-54.48	788.06	-1,104.04	1,356.47	1,353.55	2.92	464.225		
600.00	600.00	561.40	561.38	1.93	1.64	-54.49	788.38	-1,104.70	1,357.45	1,353.88	3.57	380.410		
700.00	700.00	615.52	615.47	2.29	1.84	-54.48	789.51	-1,106.17	1,361.01	1,356.89	4.12	330.230		
800.00	800.00	654.00	653.85	2.64	1.98	-54.46	791.56	-1,108.00	1,368.39	1,363.78	4.61	296.657		
900.00	899.98	726.56	725.97	3.00	2.25	-113.77	798.04	-1,112.44	1,379.46	1,374.24	5.22	264.257		
1,000.00	999.84	800.27	798.94	3.35	2.52	-113.46	807.05	-1,117.66	1,394.40	1,388.56	5.83	239.081		
1,100.00	1,099.45	882.61	880.28	3.71	2.85	-113.20	818.03	-1,124.21	1,412.10	1,405.62	6.48	217.902		
1,200.00	1,198.70	968.73	965.22	4.08	3.20	-112.99	830.30	-1,131.49	1,432.10	1,424.94	7.15	200.155		
1,300.00	1,297.47	1,076.61	1,071.51	4.47	3.65	-112.90	846.38	-1,140.53	1,453.82	1,445.88	7.94	183.211		
1,400.00	1,395.62	1,180.63	1,174.05	4.87	4.09	-112.86	862.29	-1,147.63	1,475.85	1,467.12	8.72	169.209		
1,500.00	1,493.06	1,281.02	1,273.11	5.31	4.52	-112.94	877.00	-1,154.66	1,499.06	1,489.54	9.52	157.486		
1,600.00	1,589.64	1,379.93	1,370.75	5.77	4.94	-113.11	891.04	-1,161.87	1,523.72	1,513.38	10.34	147.425		
1,700.00	1,685.27	1,514.19	1,503.69	6.28	5.51	-113.65	908.30	-1,169.34	1,547.57	1,536.23	11.34	136.525		
1,800.00	1,779.82	1,606.93	1,595.56	6.83	5.89	-113.96	920.04	-1,173.93	1,572.68	1,560.49	12.19	129.007		
1,900.00	1,873.17	1,693.14	1,681.01	7.43	6.25	-114.29	930.35	-1,178.79	1,599.71	1,586.65	13.05	122.575		
2,000.00	1,965.21	1,777.30	1,764.48	8.08	6.59	-114.69	939.31	-1,184.72	1,629.03	1,615.10	13.93	116.911		
2,100.00	2,055.84	1,879.39	1,865.77	8.79	7.01	-115.35	949.73	-1,192.19	1,660.37	1,645.43	14.93	111.181		
2,200.00	2,144.94	1,966.60	1,952.27	9.56	7.37	-115.82	959.48	-1,197.37	1,693.08	1,677.18	15.91	106.423		
2,300.00	2,232.39	2,075.11	2,059.89	10.39	7.82	-116.58	971.99	-1,203.39	1,727.78	1,710.75	17.02	101.492		
2,400.00	2,318.11	2,161.98	2,146.08	11.30	8.17	-117.07	982.12	-1,207.26	1,763.82	1,745.74	18.08	97.572		
2,504.60	2,405.78	2,241.25	2,224.70	12.31	8.50	-117.41	991.61	-1,210.89	1,804.13	1,784.97	19.16	94.157		
2,600.00	2,484.79	2,319.26	2,302.06	13.28	8.82	-118.54	1,000.88	-1,214.80	1,842.67	1,822.48	20.19	91.263		
2,700.00	2,567.60	2,400.49	2,382.66	14.32	9.15	-119.68	1,009.91	-1,219.15	1,883.86	1,862.60	21.26	88.603		
2,800.00	2,650.41	2,487.92	2,469.43	15.37	9.51	-120.87	1,019.67	-1,223.80	1,925.79	1,903.43	22.36	86.125		
2,900.00	2,733.23	2,578.83	2,559.62	16.44	9.88	-122.05	1,030.18	-1,228.13	1,968.12	1,944.64	23.47	83.840		
3,000.00	2,816.04	2,669.79	2,649.94	17.52	10.25	-123.19	1,040.16	-1,232.29	2,010.76	1,986.18	24.58	81.807		
3,100.00	2,898.85	2,759.58	2,739.11	18.60	10.62	-124.27	1,049.96	-1,236.07	2,053.73	2,028.06	25.67	80.003		
3,200.00	2,981.67	2,845.54	2,824.43	19.69	10.96	-125.25	1,059.88	-1,239.30	2,097.08	2,070.34	26.74	78.433		
3,300.00	3,064.48	2,938.92	2,917.18	20.79	11.34	-126.29	1,070.12	-1,242.74	2,140.75	2,112.92	27.83	76.918		
3,400.00	3,147.30	3,001.70	2,979.59	21.90	11.59	-126.98	1,076.50	-1,245.28	2,185.06	2,156.32	28.74	76.020		
3,500.00	3,230.11	3,057.70	3,035.21	23.00	11.82	-127.58	1,082.34	-1,248.16	2,230.79	2,201.19	29.60	75.362		
3,600.00	3,312.92	3,109.09	3,086.16	24.12	12.03	-128.10	1,088.20	-1,251.37	2,278.07	2,247.66	30.42	74.896		
3,700.00	3,395.74	3,179.97	3,156.31	25.23	12.33	-128.80	1,096.94	-1,256.45	2,326.66	2,295.31	31.34	74.234		
3,800.00	3,478.55	3,277.36	3,252.75	26.35	12.74	-129.73	1,108.68	-1,263.35	2,375.56	2,343.14	32.43	73.263		
3,900.00	3,561.36	3,381.32	3,355.90	27.47	13.17	-130.71	1,119.76	-1,270.06	2,424.05	2,390.53	33.53	72.297		
4,000.00	3,644.18	3,502.78	3,476.59	28.59	13.66	-131.81	1,131.92	-1,276.34	2,471.72	2,437.00	34.73	71.180		
4,100.00	3,726.99	3,571.00	3,544.34	29.72	13.93	-132.39	1,139.23	-1,279.50	2,519.48	2,483.88	35.60	70.777		
4,200.00	3,809.81	3,634.82	3,607.64	30.85	14.20	-132.91	1,146.61	-1,282.79	2,568.11	2,531.68	36.44	70.478		
4,300.00	3,892.62	3,704.50	3,676.69	31.98	14.49	-133.46	1,155.01	-1,286.86	2,617.65	2,580.34	37.31	70.161		
4,400.00	3,975.43	3,799.40	3,770.80	33.11	14.88	-134.19	1,165.82	-1,292.63	2,667.59	2,629.25	38.33	69.591		
4,500.00	4,058.25	3,893.59	3,864.37	34.24	15.26	-134.92	1,175.29	-1,297.80	2,717.11	2,677.78	39.33	69.080		
4,600.00	4,141.06	3,968.00	3,938.28	35.37	15.56	-135.47	1,182.82	-1,301.89	2,766.94	2,726.74	40.20	68.829		
4,700.00	4,223.87	4,086.81	4,056.30	36.50	16.04	-136.32	1,194.83	-1,308.39	2,817.15	2,775.80	41.34	68.138		
4,800.00	4,306.69	4,186.10	4,155.21	37.64	16.42	-137.05	1,202.55	-1,312.59	2,866.18	2,823.85	42.33	67.705		
4,900.00	4,389.50	4,252.07	4,220.90	38.77	16.67	-137.52	1,207.75	-1,315.45	2,915.61	2,872.49	43.11	67.625		
5,000.00	4,472.32	4,316.26	4,284.74	39.91	16.93	-137.94	1,213.68	-1,318.55	2,965.79	2,921.91	43.88	67.583		
5,100.00	4,555.13	4,381.89	4,349.98	41.05	17.19	-138.37	1,219.92	-1,322.12	3,016.70	2,972.04	44.66	67.551		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 184-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,458.85	4,426.44	42.18	17.50	-138.84	1,227.49	-1,326.54	3,068.09	3,022.58	45.50	67.424		
5,300.00	4,720.76	4,530.87	4,497.96	43.32	17.79	-139.27	1,234.83	-1,330.82	3,119.85	3,073.53	46.32	67.360		
5,400.00	4,803.57	4,602.03	4,568.59	44.46	18.08	-139.69	1,242.10	-1,335.33	3,172.10	3,124.98	47.12	67.324		
5,500.00	4,886.39	4,691.28	4,657.15	45.60	18.45	-140.18	1,251.63	-1,341.15	3,224.71	3,176.66	48.05	67.117		
5,600.00	4,969.20	4,842.66	4,807.16	46.74	19.08	-140.93	1,270.36	-1,348.82	3,276.31	3,226.88	49.44	66.272		
5,700.00	5,052.01	4,920.23	4,883.95	47.88	19.40	-141.28	1,280.87	-1,352.00	3,327.29	3,276.98	50.31	66.134		
5,800.00	5,134.83	4,982.12	4,945.19	49.02	19.67	-141.55	1,289.35	-1,354.76	3,378.69	3,327.62	51.07	66.160		
5,900.00	5,217.64	5,065.36	5,027.49	50.16	20.02	-141.90	1,301.11	-1,358.93	3,430.66	3,378.68	51.98	65.997		
6,000.00	5,300.45	5,168.38	5,129.62	51.30	20.45	-142.36	1,313.77	-1,363.58	3,482.26	3,429.24	53.02	65.680		
6,100.00	5,383.27	5,254.34	5,215.00	52.45	20.80	-142.74	1,323.13	-1,367.25	3,533.75	3,479.83	53.91	65.545		
6,200.00	5,466.08	5,339.87	5,299.92	53.59	21.14	-143.12	1,332.55	-1,370.87	3,585.33	3,530.53	54.80	65.423		
6,300.00	5,548.90	5,415.73	5,375.23	54.73	21.45	-143.44	1,341.17	-1,374.08	3,637.02	3,581.39	55.63	65.384		
6,400.00	5,631.71	5,480.78	5,439.71	55.87	21.72	-143.69	1,349.16	-1,377.07	3,689.12	3,632.75	56.37	65.440		
6,500.00	5,714.52	5,537.89	5,496.28	57.02	21.96	-143.91	1,356.44	-1,380.06	3,741.84	3,684.78	57.06	65.574		
6,600.00	5,797.34	5,627.00	5,584.55	58.16	22.34	-144.24	1,367.58	-1,385.05	3,794.96	3,736.97	57.99	65.441		
6,700.00	5,880.15	5,704.45	5,661.38	59.30	22.66	-144.54	1,376.41	-1,389.26	3,848.02	3,789.21	58.81	65.427		
6,800.00	5,962.96	5,757.78	5,714.31	60.45	22.88	-144.74	1,382.11	-1,392.34	3,901.50	3,842.05	59.45	65.626		
6,900.00	6,045.78	5,799.38	5,755.54	61.59	23.05	-144.90	1,386.89	-1,395.18	3,955.87	3,895.88	59.99	65.938		
7,000.00	6,128.59	5,864.37	5,819.84	62.73	23.33	-145.12	1,394.91	-1,400.21	4,011.03	3,950.31	60.72	66.055		
7,100.00	6,211.41	5,989.39	5,943.61	63.88	23.85	-145.55	1,409.88	-1,409.43	4,066.06	4,004.14	61.92	65.664		
7,200.00	6,294.22	6,074.34	6,027.90	65.02	24.20	-145.85	1,418.88	-1,415.01	4,120.47	4,057.69	62.79	65.627		
7,300.00	6,377.03	6,136.16	6,089.23	66.17	24.46	-146.06	1,425.35	-1,419.20	4,175.14	4,111.67	63.47	65.780		
7,400.00	6,459.85	6,195.57	6,148.15	67.31	24.70	-146.27	1,431.63	-1,423.57	4,230.33	4,166.20	64.13	65.960		
7,500.00	6,542.66	6,257.89	6,209.91	68.46	24.97	-146.47	1,438.45	-1,428.45	4,285.98	4,221.16	64.82	66.120		
7,600.00	6,625.48	6,375.47	6,326.42	69.60	25.45	-146.84	1,451.36	-1,437.50	4,341.61	4,275.67	65.95	65.837		
7,700.00	6,708.29	6,509.74	6,459.74	70.75	26.00	-147.28	1,464.59	-1,446.30	4,396.38	4,329.21	67.17	65.448		
7,800.00	6,791.10	6,674.99	6,623.85	71.89	26.67	-147.77	1,482.24	-1,454.26	4,449.55	4,380.91	68.63	64.830		
7,900.00	6,873.92	6,746.92	6,695.46	73.04	26.95	-148.00	1,488.39	-1,457.21	4,502.50	4,433.13	69.37	64.904		
8,000.00	6,956.73	6,812.82	6,761.07	74.18	27.20	-148.21	1,493.75	-1,460.14	4,555.82	4,485.76	70.06	65.028		
8,100.00	7,039.54	6,880.92	6,828.87	75.33	27.47	-148.43	1,499.26	-1,463.38	4,609.48	4,538.72	70.76	65.142		
8,165.32	7,093.63	6,942.10	6,889.81	76.08	27.70	-148.62	1,503.86	-1,466.34	4,644.63	4,573.30	71.33	65.114		
8,200.00	7,122.60	6,976.68	6,924.28	76.47	27.83	-155.76	1,506.05	-1,467.92	4,663.33	4,591.69	71.64	65.095		
8,250.00	7,165.05	7,019.47	6,966.96	77.01	27.98	-166.71	1,508.42	-1,469.82	4,690.40	4,618.39	72.01	65.137		
8,300.00	7,208.03	7,062.32	7,009.72	77.52	28.14	-178.22	1,510.54	-1,471.69	4,717.44	4,645.09	72.35	65.201		
8,350.00	7,251.22	7,098.84	7,046.18	77.99	28.26	170.09	1,511.90	-1,473.27	4,744.28	4,671.66	72.62	65.333		
8,400.00	7,294.28	7,134.33	7,081.63	78.41	28.38	158.68	1,512.42	-1,474.79	4,770.75	4,697.91	72.84	65.495		
8,450.00	7,336.90	7,157.00	7,104.28	78.78	28.46	147.94	1,512.34	-1,475.75	4,796.69	4,723.73	72.96	65.744		
8,500.00	7,378.73	7,157.00	7,104.28	79.10	28.46	138.04	1,512.34	-1,475.75	4,822.12	4,749.21	72.92	66.132		
8,550.00	7,419.47	7,157.00	7,104.28	79.37	28.46	129.19	1,512.34	-1,475.75	4,846.95	4,774.09	72.85	66.531		
8,600.00	7,458.81	7,188.87	7,136.09	79.59	28.55	121.62	1,511.23	-1,477.39	4,870.53	4,797.59	72.94	66.772		
8,650.00	7,496.44	7,197.85	7,145.03	79.76	28.57	114.93	1,510.65	-1,477.95	4,893.32	4,820.42	72.90	67.127		
8,700.00	7,532.08	7,206.52	7,153.65	79.88	28.59	109.15	1,509.97	-1,478.54	4,914.93	4,842.09	72.84	67.477		
8,750.00	7,565.46	7,246.00	7,192.74	79.95	28.70	104.44	1,505.47	-1,481.75	4,935.63	4,862.71	72.92	67.681		
8,800.00	7,596.33	7,246.00	7,192.74	79.98	28.70	100.14	1,505.47	-1,481.75	4,954.30	4,881.48	72.82	68.036		
8,850.00	7,624.44	7,246.00	7,192.74	79.97	28.70	96.47	1,505.47	-1,481.75	4,971.47	4,898.75	72.72	68.369		
8,900.00	7,649.59	7,246.00	7,192.74	79.93	28.70	93.37	1,505.47	-1,481.75	4,987.02	4,914.40	72.62	68.674		
8,950.00	7,671.59	7,246.00	7,192.74	79.84	28.70	90.77	1,505.47	-1,481.75	5,000.86	4,928.33	72.53	68.944		
9,000.00	7,690.26	7,246.00	7,192.74	79.73	28.70	88.64	1,505.47	-1,481.75	5,012.89	4,940.42	72.47	69.176		
9,050.00	7,705.47	7,246.00	7,192.74	79.59	28.70	86.94	1,505.47	-1,481.75	5,023.03	4,950.62	72.42	69.364		
9,100.00	7,717.09	7,246.00	7,192.74	79.43	28.70	85.64	1,505.47	-1,481.75	5,031.22	4,958.84	72.39	69.505		
9,150.00	7,725.04	7,246.00	7,192.74	79.26	28.70	84.72	1,505.47	-1,481.75	5,037.41	4,965.03	72.38	69.594		
9,200.00	7,729.27	7,246.00	7,192.74	79.06	28.70	84.17	1,505.47	-1,481.75	5,041.56	4,969.15	72.40	69.631		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 184-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	7,273.92	7,220.15	78.93	28.76	84.32	1,500.97	-1,484.49	5,042.85	4,970.31	72.55	69.512		
9,300.00	7,730.00	7,278.07	7,224.21	78.65	28.77	84.37	1,500.21	-1,484.93	5,045.76	4,973.12	72.64	69.462		
9,400.00	7,730.00	7,284.56	7,230.54	78.26	28.78	84.44	1,498.99	-1,485.62	5,051.63	4,978.83	72.80	69.390		
9,500.00	7,730.00	7,291.66	7,237.46	77.89	28.80	84.52	1,497.58	-1,486.41	5,059.45	4,986.46	72.99	69.319		
9,600.00	7,730.00	8,249.00	7,901.19	77.53	29.20	92.06	893.39	-1,527.13	5,059.16	4,987.00	72.16	70.107		
9,700.00	7,730.00	8,315.00	7,913.84	77.19	29.30	92.21	828.63	-1,526.53	5,058.51	4,986.23	72.28	69.980		
9,800.00	7,730.00	8,424.94	7,925.28	76.88	29.59	92.34	719.34	-1,525.93	5,058.06	4,985.66	72.40	69.865		
9,900.00	7,730.00	8,624.69	7,928.80	76.58	30.47	92.38	519.68	-1,523.40	5,056.65	4,984.01	72.64	69.612		
10,000.00	7,730.00	8,671.00	7,928.59	76.30	30.73	92.38	473.37	-1,522.54	5,054.49	4,981.37	73.12	69.130		
10,100.00	7,730.00	8,704.47	7,928.21	76.04	30.94	92.37	439.90	-1,522.32	5,053.53	4,979.88	73.65	68.617		
10,119.22	7,730.00	8,710.27	7,928.13	75.99	30.98	92.37	434.11	-1,522.34	5,053.50	4,979.74	73.76	68.513		
10,200.00	7,730.00	8,760.00	7,927.22	75.79	31.29	92.36	384.39	-1,523.11	5,054.17	4,979.91	74.25	68.066		
10,300.00	7,730.00	8,760.00	7,927.22	75.57	31.29	92.36	384.39	-1,523.11	5,055.77	4,980.98	74.79	67.595		
10,400.00	7,730.00	8,805.03	7,926.65	75.36	31.61	92.35	339.39	-1,524.63	5,058.84	4,983.35	75.48	67.020		
10,500.00	7,730.00	9,070.23	7,936.63	75.18	33.77	92.46	74.57	-1,532.11	5,062.46	4,985.17	77.29	65.501		
10,600.00	7,730.00	9,181.47	7,939.80	75.01	34.82	92.50	-36.62	-1,532.70	5,062.77	4,984.12	78.65	64.367		
10,700.00	7,730.00	9,314.04	7,942.03	74.86	36.16	92.52	-169.17	-1,532.94	5,062.71	4,982.37	80.34	63.016		
10,800.00	7,730.00	9,442.95	7,944.26	74.74	37.56	92.55	-298.06	-1,532.23	5,061.87	4,979.68	82.19	61.590		
10,900.00	7,730.00	9,561.15	7,946.39	74.64	38.91	92.58	-416.24	-1,531.14	5,060.70	4,976.61	84.09	60.183		
11,000.00	7,730.00	9,672.47	7,947.75	74.56	40.25	92.59	-527.54	-1,529.88	5,059.30	4,973.24	86.06	58.790		
11,100.00	7,730.00	9,766.53	7,948.01	74.51	41.41	92.60	-621.59	-1,528.41	5,057.43	4,969.49	87.93	57.514		
11,200.00	7,730.00	9,829.00	7,948.24	74.48	42.20	92.60	-684.06	-1,528.23	5,056.62	4,967.12	89.50	56.496		
11,237.40	7,730.00	9,829.00	7,948.24	74.47	42.20	92.60	-684.06	-1,528.23	5,056.49	4,966.66	89.82	56.294		
11,300.00	7,730.00	9,873.67	7,948.62	74.48	42.77	92.60	-728.72	-1,528.49	5,056.65	4,965.75	90.90	55.629		
11,400.00	7,730.00	9,969.83	7,949.94	74.50	44.03	92.62	-824.87	-1,529.17	5,057.08	4,964.09	92.99	54.381		
11,500.00	7,730.00	10,094.45	7,950.57	74.56	45.69	92.62	-949.49	-1,529.87	5,057.34	4,961.80	95.55	52.930		
11,515.15	7,730.00	10,115.22	7,950.56	74.58	45.97	92.62	-970.26	-1,529.92	5,057.33	4,961.36	95.97	52.697		
11,600.00	7,730.00	10,178.66	7,949.79	74.66	46.84	92.62	-1,033.69	-1,530.27	5,057.43	4,959.81	97.62	51.806		
11,700.00	7,730.00	10,255.21	7,948.80	74.79	47.91	92.60	-1,110.24	-1,530.94	5,057.92	4,958.28	99.64	50.763		
11,800.00	7,730.00	10,364.82	7,948.82	74.96	49.45	92.60	-1,219.83	-1,532.08	5,058.63	4,956.43	102.20	49.498		
11,900.00	7,730.00	10,487.95	7,947.99	75.17	51.22	92.59	-1,342.96	-1,532.89	5,058.92	4,953.87	105.05	48.159		
12,000.00	7,730.00	10,601.78	7,947.38	75.43	52.88	92.59	-1,456.78	-1,533.21	5,058.83	4,951.01	107.82	46.919		
12,100.00	7,730.00	10,760.60	7,949.33	75.73	55.24	92.61	-1,615.58	-1,532.64	5,058.27	4,946.85	111.43	45.395		
12,200.00	7,730.00	10,858.73	7,951.70	76.09	56.72	92.64	-1,713.67	-1,531.24	5,056.63	4,942.54	114.09	44.321		
12,300.00	7,730.00	10,953.41	7,952.14	76.51	58.17	92.64	-1,808.34	-1,530.56	5,055.58	4,938.85	116.73	43.311		
12,400.00	7,730.00	11,098.49	7,950.89	76.97	60.40	92.63	-1,953.40	-1,528.40	5,053.63	4,933.33	120.30	42.008		
12,500.00	7,730.00	12,500.00	7,952.08	77.50	82.34	92.65	-2,069.70	-1,526.47	5,051.73	4,908.15	143.58	35.184		
12,600.00	7,730.00	11,302.07	7,954.05	78.09	63.58	92.67	-2,156.90	-1,524.29	5,049.06	4,922.99	126.06	40.052		
12,700.00	7,730.00	11,344.00	7,954.85	78.74	64.24	92.68	-2,198.82	-1,523.78	5,047.51	4,919.64	127.87	39.474		
12,800.00	7,730.00	11,510.35	7,956.45	79.45	66.87	92.70	-2,365.14	-1,521.83	5,046.20	4,914.16	132.04	38.217		
12,900.00	7,730.00	11,573.84	7,957.35	80.22	67.88	92.71	-2,428.62	-1,520.66	5,044.13	4,909.83	134.30	37.559		
13,000.00	7,730.00	11,657.38	7,959.50	81.05	69.22	92.73	-2,512.13	-1,519.81	5,042.87	4,905.91	136.96	36.821		
13,100.00	7,730.00	11,820.35	7,959.81	81.94	71.85	92.74	-2,675.06	-1,517.10	5,040.83	4,899.64	141.19	35.702		
13,200.00	7,730.00	11,902.97	7,957.68	82.87	73.19	92.72	-2,757.64	-1,515.42	5,038.36	4,894.49	143.88	35.019		
13,300.00	7,730.00	11,968.00	7,955.32	83.86	74.24	92.69	-2,822.62	-1,514.60	5,036.56	4,890.35	146.22	34.445		
13,400.00	7,730.00	11,997.41	7,954.20	84.90	74.72	92.68	-2,852.01	-1,514.54	5,035.78	4,887.94	147.84	34.062		
13,407.81	7,730.00	11,999.93	7,954.11	84.98	74.76	92.68	-2,854.52	-1,514.55	5,035.78	4,887.81	147.97	34.032		
13,500.00	7,730.00	12,029.58	7,953.10	85.97	75.24	92.66	-2,884.16	-1,514.89	5,036.35	4,886.85	149.50	33.687		
13,600.00	7,730.00	12,067.99	7,951.92	87.09	75.87	92.65	-2,922.54	-1,515.84	5,038.26	4,886.98	151.28	33.304		
13,700.00	7,730.00	12,146.00	7,949.59	88.25	77.13	92.62	-3,000.47	-1,518.34	5,040.98	4,887.10	153.88	32.759		
13,800.00	7,730.00	12,206.20	7,948.19	89.44	78.11	92.61	-3,060.61	-1,520.62	5,044.30	4,888.19	156.11	32.312		
13,900.00	7,730.00	12,372.98	7,945.99	90.66	80.84	92.58	-3,227.28	-1,526.23	5,047.22	4,886.58	160.64	31.419		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 184-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	7,730.00	12,591.00	7,950.77	91.92	84.43	92.63	-3,445.19	-1,529.65	5,048.71	4,882.38	166.33	30.354		
14,100.00	7,730.00	12,641.24	7,953.15	93.20	85.26	92.66	-3,495.37	-1,529.84	5,049.10	4,880.67	168.43	29.978		
14,200.00	7,730.00	12,680.00	7,955.27	94.50	85.91	92.68	-3,534.07	-1,530.49	5,050.71	4,880.45	170.27	29.663		
14,300.00	7,730.00	12,741.40	7,957.94	95.83	86.93	92.71	-3,595.39	-1,532.16	5,053.31	4,880.72	172.59	29.279		
14,400.00	7,730.00	12,838.85	7,959.07	97.17	88.54	92.72	-3,692.77	-1,535.56	5,056.51	4,880.79	175.72	28.776		
14,500.00	7,730.00	12,943.09	7,958.54	98.54	90.27	92.71	-3,796.94	-1,539.02	5,059.47	4,880.46	179.00	28.265		
14,600.00	7,730.00	13,079.70	7,956.18	99.92	92.54	92.69	-3,933.48	-1,543.03	5,061.94	4,878.92	183.03	27.657		
14,700.00	7,730.00	13,255.75	7,952.54	101.32	95.49	92.64	-4,109.44	-1,546.17	5,063.19	4,875.24	187.95	26.939		
14,800.00	7,730.00	13,321.56	7,953.07	102.74	96.60	92.65	-4,175.24	-1,547.07	5,064.26	4,873.83	190.43	26.594		
14,900.00	7,730.00	13,559.71	7,955.81	104.17	100.61	92.68	-4,413.35	-1,548.90	5,065.35	4,868.58	196.77	25.743		
15,000.00	7,730.00	13,673.06	7,958.91	105.62	102.53	92.72	-4,526.64	-1,547.46	5,063.87	4,863.52	200.35	25.275		
15,100.00	7,730.00	13,787.44	7,963.36	107.07	104.48	92.77	-4,640.91	-1,545.78	5,062.26	4,858.29	203.97	24.818		
15,200.00	7,730.00	13,959.66	7,966.94	108.54	107.41	92.81	-4,813.02	-1,540.71	5,058.65	4,849.78	208.87	24.219		
15,300.00	7,730.00	14,017.00	7,968.03	110.02	108.39	92.82	-4,870.34	-1,539.74	5,056.32	4,845.06	211.26	23.934		
15,400.00	7,730.00	14,017.00	7,968.03	111.51	108.39	92.82	-4,870.34	-1,539.74	5,054.86	4,842.52	212.34	23.806		
15,465.50	7,730.00	14,058.82	7,969.01	112.49	109.10	92.84	-4,912.14	-1,539.71	5,054.68	4,840.71	213.97	23.623		
15,500.00	7,730.00	14,079.05	7,969.49	113.01	109.45	92.84	-4,932.37	-1,539.78	5,054.73	4,839.94	214.79	23.533		
15,600.00	7,730.00	14,149.48	7,971.13	114.52	110.65	92.86	-5,002.78	-1,540.40	5,055.36	4,837.93	217.43	23.251		
15,700.00	7,730.00	14,236.80	7,972.67	116.04	112.13	92.88	-5,090.07	-1,541.52	5,056.39	4,835.94	220.45	22.936		
15,800.00	7,730.00	14,320.94	7,973.08	117.56	113.57	92.88	-5,174.20	-1,542.80	5,057.61	4,834.20	223.40	22.639		
15,900.00	7,730.00	15,900.00	7,975.24	119.09	140.52	92.90	-5,294.10	-1,544.65	5,058.91	4,806.81	252.10	20.067		
16,000.00	7,730.00	14,644.65	7,980.36	120.63	119.10	92.96	-5,497.79	-1,545.01	5,058.83	4,825.87	232.96	21.716		
16,082.70	7,730.00	14,667.88	7,980.62	121.91	119.50	92.96	-5,521.03	-1,545.01	5,058.51	4,824.16	234.36	21.585		
16,100.00	7,730.00	14,673.58	7,980.70	122.18	119.59	92.97	-5,526.73	-1,545.04	5,058.56	4,823.90	234.66	21.557		
16,200.00	7,730.00	14,730.00	7,981.85	123.73	120.56	92.98	-5,583.12	-1,546.03	5,059.78	4,822.79	236.99	21.350		
16,300.00	7,730.00	14,748.65	7,982.36	125.29	120.88	92.98	-5,601.76	-1,546.58	5,061.97	4,823.59	238.38	21.235		
16,400.00	7,730.00	15,043.80	7,989.65	126.86	125.94	93.07	-5,896.74	-1,547.89	5,060.84	4,814.47	246.37	20.541		
16,500.00	7,730.00	15,126.24	7,990.16	128.43	127.36	93.07	-5,979.18	-1,547.72	5,060.27	4,810.93	249.34	20.295		
16,600.00	7,730.00	15,264.00	7,993.18	130.01	129.74	93.11	-6,116.89	-1,546.05	5,058.69	4,805.09	253.60	19.948		
16,700.00	7,730.00	15,305.70	7,993.75	131.59	130.46	93.11	-6,158.58	-1,545.63	5,057.69	4,802.07	255.62	19.786		
16,716.78	7,730.00	15,310.53	7,993.79	131.86	130.54	93.11	-6,163.41	-1,545.64	5,057.67	4,801.76	255.91	19.763		
16,800.00	7,730.00	15,353.00	7,994.01	133.18	131.27	93.12	-6,205.88	-1,546.21	5,058.28	4,800.52	257.76	19.624		
16,900.00	7,730.00	15,653.47	7,999.47	134.77	136.47	93.18	-6,506.19	-1,541.12	5,054.83	4,789.03	265.80	19.018		
17,000.00	7,730.00	15,739.96	8,001.08	136.37	137.97	93.20	-6,592.63	-1,538.74	5,051.85	4,782.94	268.90	18.787		
17,100.00	7,730.00	15,829.03	8,004.70	137.97	139.51	93.24	-6,681.59	-1,536.31	5,049.01	4,776.95	272.07	18.558		
17,200.00	7,730.00	15,960.80	8,010.13	139.57	141.80	93.31	-6,813.20	-1,532.93	5,046.46	4,770.26	276.20	18.271		
17,300.00	7,730.00	16,066.00	8,013.49	141.18	143.63	93.35	-6,918.29	-1,529.29	5,042.83	4,763.10	279.73	18.027		
17,400.00	7,730.00	16,118.04	8,014.96	142.79	144.54	93.37	-6,970.28	-1,527.76	5,039.81	4,757.74	282.07	17.867		
17,500.00	7,730.00	16,155.00	8,016.36	144.41	145.18	93.38	-7,007.21	-1,527.07	5,037.93	4,753.90	284.02	17.738		
17,600.00	7,730.00	16,220.62	8,019.00	146.03	146.32	93.41	-7,072.77	-1,526.46	5,036.96	4,750.34	286.63	17.573		
17,700.00	7,730.00	16,372.20	8,024.06	147.65	148.95	93.47	-7,224.26	-1,525.21	5,036.03	4,744.77	291.26	17.290		
17,800.00	7,730.00	16,468.35	8,025.71	149.28	150.62	93.49	-7,320.39	-1,523.99	5,034.53	4,739.94	294.59	17.090		
17,900.00	7,730.00	16,557.38	8,025.97	150.91	152.17	93.50	-7,409.41	-1,523.03	5,033.15	4,735.39	297.76	16.903		
18,000.00	7,730.00	16,622.55	8,025.38	152.54	153.30	93.49	-7,474.58	-1,522.61	5,032.15	4,731.80	300.35	16.754		
18,050.88	7,730.00	16,645.57	8,025.31	153.38	153.70	93.49	-7,497.60	-1,522.62	5,032.01	4,730.59	301.42	16.694		
18,100.00	7,730.00	16,667.79	8,025.38	154.18	154.08	93.49	-7,519.82	-1,522.75	5,032.14	4,729.69	302.45	16.638		
18,200.00	7,730.00	16,720.21	8,025.97	155.82	154.99	93.50	-7,572.23	-1,523.46	5,033.18	4,728.49	304.69	16.519		
18,300.00	7,730.00	16,868.43	8,028.17	157.46	157.56	93.52	-7,720.41	-1,526.18	5,035.05	4,725.75	309.30	16.279		
18,400.00	7,730.00	16,955.56	8,030.87	159.11	159.07	93.55	-7,807.49	-1,526.88	5,035.70	4,723.29	312.41	16.119		
18,500.00	7,730.00	17,105.87	8,035.42	160.75	161.68	93.60	-7,957.73	-1,527.36	5,035.83	4,718.75	317.07	15.882		
18,600.00	7,730.00	17,205.31	8,036.62	162.40	163.41	93.62	-8,057.15	-1,527.36	5,035.57	4,715.08	320.49	15.712		
18,645.83	7,730.00	17,240.68	8,036.87	163.16	164.03	93.62	-8,092.53	-1,527.42	5,035.51	4,713.70	321.81	15.647		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>		SEC 22-T1N-R68W - EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SURVEY										<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b>		184-MWD OWSG										<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,700.00	7,730.00	17,275.66	8,036.93	164.05	164.64	93.62	-8,127.50	-1,527.60	5,035.61	4,712.41	323.20	15.580	
18,800.00	7,730.00	17,394.05	8,035.64	165.71	166.69	93.60	-8,245.88	-1,528.62	5,036.12	4,709.03	327.08	15.397	
18,900.00	7,730.00	17,516.13	8,032.32	167.36	168.81	93.57	-8,367.92	-1,528.91	5,035.83	4,704.77	331.06	15.211	
18,942.39	7,730.00	17,546.00	8,031.39	168.07	169.33	93.56	-8,397.77	-1,528.94	5,035.66	4,703.45	332.21	15.158 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1B-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 140-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-54.20	786.89	-1,090.86	1,345.09					
100.00	100.00	95.95	95.95	0.13	0.14	-54.20	786.70	-1,090.68	1,344.82	1,344.54	0.28	4,824.263		
200.00	200.00	196.57	196.57	0.49	0.41	-54.20	786.22	-1,090.23	1,344.17	1,343.26	0.91	1,483.945		
300.00	300.00	292.23	292.23	0.85	0.76	-54.21	785.93	-1,089.96	1,343.77	1,342.16	1.61	836.176		
400.00	400.00	392.26	392.26	1.21	1.11	-54.21	785.81	-1,089.80	1,343.57	1,341.25	2.32	578.465		
500.00	500.00	493.91	493.91	1.57	1.48	-54.20	785.74	-1,089.48	1,343.27	1,340.22	3.04	441.343		
542.44	542.44	537.05	537.04	1.72	1.63	-54.20	785.72	-1,089.28	1,343.10	1,339.75	3.35	400.983	CC, ES	
600.00	600.00	568.93	568.93	1.93	1.74	-54.19	786.02	-1,089.50	1,343.60	1,339.94	3.66	366.926		
700.00	700.00	635.60	635.56	2.29	1.96	-54.15	787.80	-1,090.47	1,346.33	1,342.08	4.24	317.237		
800.00	800.00	700.41	700.23	2.64	2.18	-54.04	791.87	-1,091.69	1,351.56	1,346.74	4.82	280.474		
900.00	899.98	763.00	762.50	3.00	2.40	-113.35	797.86	-1,093.48	1,360.20	1,354.82	5.38	252.692		
1,000.00	999.84	847.90	846.74	3.35	2.71	-113.04	807.89	-1,096.54	1,372.16	1,366.13	6.03	227.495		
1,100.00	1,099.45	941.32	939.32	3.71	3.06	-112.77	819.95	-1,099.90	1,386.12	1,379.40	6.72	206.186		
1,200.00	1,198.70	1,032.26	1,029.38	4.08	3.42	-112.58	832.18	-1,103.32	1,401.88	1,394.46	7.42	188.979		
1,300.00	1,297.47	1,121.70	1,117.82	4.47	3.77	-112.44	845.01	-1,106.87	1,419.64	1,411.52	8.12	174.726		
1,400.00	1,395.62	1,222.40	1,217.40	4.87	4.18	-112.44	859.36	-1,111.18	1,438.96	1,430.07	8.90	161.743		
1,500.00	1,493.06	1,325.09	1,319.10	5.31	4.60	-112.59	872.71	-1,115.96	1,459.24	1,449.54	9.70	150.431		
1,600.00	1,589.64	1,415.99	1,409.10	5.77	4.97	-112.75	884.89	-1,119.89	1,480.94	1,470.45	10.48	141.244		
1,700.00	1,685.27	1,500.32	1,492.29	6.28	5.33	-112.83	898.35	-1,122.70	1,504.74	1,493.46	11.28	133.420		
1,800.00	1,779.82	1,609.55	1,599.89	6.83	5.80	-113.12	916.86	-1,126.06	1,530.43	1,518.20	12.23	125.166		
1,900.00	1,873.17	1,702.17	1,691.18	7.43	6.20	-113.34	932.44	-1,127.78	1,556.57	1,543.43	13.14	118.445		
2,000.00	1,965.21	1,778.89	1,766.76	8.08	6.54	-113.49	945.45	-1,129.87	1,585.10	1,571.08	14.02	113.059		
2,100.00	2,055.84	1,900.36	1,886.44	8.79	7.07	-114.13	965.90	-1,133.51	1,615.63	1,600.47	15.16	106.576		
2,200.00	2,144.94	2,033.15	2,017.95	9.56	7.62	-115.08	984.09	-1,135.19	1,644.82	1,628.44	16.38	100.417		
2,300.00	2,232.39	2,119.02	2,103.18	10.39	7.97	-115.58	994.46	-1,136.22	1,675.40	1,657.98	17.42	96.203		
2,400.00	2,318.11	2,197.25	2,180.84	11.30	8.28	-116.01	1,003.81	-1,137.61	1,708.50	1,690.05	18.45	92.601		
2,504.60	2,405.78	2,279.77	2,262.72	12.31	8.62	-116.47	1,013.87	-1,139.50	1,745.99	1,726.42	19.57	89.210		
2,600.00	2,484.79	2,361.89	2,344.24	13.28	8.95	-117.66	1,023.64	-1,141.53	1,781.74	1,761.10	20.64	86.315		
2,700.00	2,567.60	2,443.75	2,425.55	14.32	9.28	-118.83	1,032.78	-1,143.90	1,820.09	1,798.35	21.74	83.737		
2,800.00	2,650.41	2,529.17	2,510.42	15.37	9.62	-120.02	1,042.08	-1,146.48	1,859.22	1,836.38	22.84	81.405		
2,900.00	2,733.23	2,612.22	2,592.95	16.44	9.96	-121.13	1,050.98	-1,149.01	1,899.07	1,875.15	23.92	79.389		
3,000.00	2,816.04	2,712.48	2,692.66	17.52	10.35	-122.45	1,061.00	-1,152.14	1,939.52	1,914.44	25.08	77.336		
3,100.00	2,898.85	2,847.33	2,826.83	18.60	10.88	-124.12	1,074.42	-1,153.73	1,979.10	1,952.69	26.41	74.949		
3,200.00	2,981.67	2,938.51	2,917.33	19.69	11.24	-125.12	1,085.41	-1,152.56	2,017.85	1,990.32	27.53	73.304		
3,300.00	3,064.48	2,998.29	2,976.58	20.79	11.49	-125.74	1,093.30	-1,151.99	2,057.69	2,029.22	28.47	72.264		
3,400.00	3,147.30	3,069.83	3,047.47	21.90	11.78	-126.46	1,102.98	-1,152.02	2,098.89	2,069.42	29.47	71.212		
3,500.00	3,230.11	3,152.99	3,129.89	23.00	12.13	-127.29	1,114.02	-1,152.46	2,140.88	2,110.36	30.53	70.131		
3,600.00	3,312.92	3,243.05	3,219.15	24.12	12.50	-128.15	1,125.99	-1,152.96	2,183.31	2,151.70	31.61	69.071		
3,700.00	3,395.74	3,344.72	3,320.03	25.23	12.91	-129.10	1,138.64	-1,153.03	2,225.53	2,192.79	32.75	67.965		
3,800.00	3,478.55	3,420.43	3,395.26	26.35	13.22	-129.81	1,147.22	-1,153.12	2,267.98	2,234.27	33.71	67.275		
3,900.00	3,561.36	3,482.00	3,456.41	27.47	13.46	-130.37	1,154.26	-1,153.81	2,311.64	2,277.06	34.58	66.846		
4,000.00	3,644.18	3,528.29	3,502.33	28.59	13.66	-130.78	1,160.05	-1,154.85	2,356.79	2,321.44	35.35	66.674		
4,100.00	3,726.99	3,583.21	3,556.64	29.72	13.89	-131.22	1,167.98	-1,156.72	2,403.53	2,367.37	36.16	66.476		
4,200.00	3,809.81	3,691.28	3,663.62	30.85	14.34	-132.09	1,182.79	-1,160.54	2,450.61	2,413.30	37.31	65.684		
4,300.00	3,892.62	3,793.10	3,764.74	31.98	14.75	-132.93	1,194.34	-1,163.52	2,497.07	2,458.69	38.39	65.049		
4,400.00	3,975.43	3,879.70	3,850.75	33.11	15.10	-133.61	1,204.15	-1,165.85	2,543.67	2,504.31	39.36	64.623		
4,500.00	4,058.25	3,967.55	3,937.82	34.24	15.47	-134.25	1,215.62	-1,167.82	2,590.41	2,550.06	40.35	64.193		
4,600.00	4,141.06	4,056.35	4,025.92	35.37	15.83	-134.88	1,226.54	-1,169.84	2,637.33	2,595.99	41.34	63.799		
4,700.00	4,223.87	4,145.06	4,114.19	36.50	16.18	-135.55	1,235.14	-1,171.99	2,684.31	2,642.02	42.29	63.473		
4,800.00	4,306.69	4,229.77	4,198.41	37.64	16.51	-136.15	1,244.06	-1,173.89	2,731.49	2,688.28	43.22	63.204		
4,900.00	4,389.50	4,310.57	4,278.62	38.77	16.84	-136.68	1,253.65	-1,175.57	2,778.93	2,734.80	44.13	62.978		
5,000.00	4,472.32	4,384.09	4,351.67	39.91	17.14	-137.16	1,261.76	-1,177.40	2,826.84	2,781.86	44.98	62.853		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1B-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 140-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,457.86	4,424.88	41.05	17.44	-137.62	1,270.57	-1,179.44	2,875.27	2,829.44	45.83	62.740		
5,200.00	4,637.94	4,546.80	4,512.96	42.18	17.81	-138.13	1,282.62	-1,181.95	2,924.08	2,877.28	46.79	62.488		
5,300.00	4,720.76	4,647.00	4,612.41	43.32	18.22	-138.71	1,294.56	-1,184.46	2,972.65	2,924.83	47.82	62.162		
5,400.00	4,803.57	4,722.00	4,686.86	44.46	18.53	-139.13	1,303.47	-1,186.19	3,021.23	2,972.56	48.67	62.076		
5,500.00	4,886.39	4,801.30	4,765.31	45.60	18.86	-139.53	1,314.84	-1,188.23	3,070.35	3,020.78	49.57	61.944		
5,600.00	4,969.20	4,890.09	4,853.22	46.74	19.24	-139.96	1,327.19	-1,190.43	3,119.48	3,068.95	50.53	61.738		
5,700.00	5,052.01	4,973.13	4,935.56	47.88	19.58	-140.38	1,337.64	-1,192.55	3,168.76	3,117.33	51.43	61.616		
5,800.00	5,134.83	5,059.81	5,021.63	49.02	19.93	-140.82	1,347.66	-1,194.85	3,218.19	3,165.85	52.34	61.490		
5,900.00	5,217.64	5,149.79	5,111.10	50.16	20.29	-141.29	1,357.01	-1,197.11	3,267.61	3,214.35	53.25	61.361		
6,000.00	5,300.45	5,232.59	5,193.38	51.30	20.62	-141.70	1,365.99	-1,199.12	3,317.11	3,262.99	54.12	61.293		
6,100.00	5,383.27	5,315.20	5,275.38	52.45	20.95	-142.08	1,375.80	-1,201.19	3,366.86	3,311.86	54.99	61.223		
6,200.00	5,466.08	5,429.03	5,388.36	53.59	21.42	-142.58	1,389.40	-1,203.65	3,416.46	3,360.36	56.09	60.906		
6,300.00	5,548.90	5,533.08	5,491.49	54.73	21.85	-143.01	1,403.17	-1,204.85	3,465.29	3,408.15	57.14	60.648		
6,400.00	5,631.71	5,622.98	5,580.76	55.87	22.21	-143.38	1,413.79	-1,205.76	3,514.10	3,456.04	58.06	60.527		
6,500.00	5,714.52	5,694.11	5,651.51	57.02	22.50	-143.69	1,421.11	-1,206.51	3,563.04	3,504.21	58.83	60.566		
6,600.00	5,797.34	5,765.84	5,722.76	58.16	22.78	-143.98	1,429.35	-1,207.67	3,612.56	3,552.95	59.61	60.606		
6,700.00	5,880.15	5,847.27	5,803.69	59.30	23.11	-144.31	1,438.20	-1,208.99	3,662.20	3,601.75	60.45	60.584		
6,800.00	5,962.96	5,903.02	5,859.14	60.45	23.33	-144.54	1,443.79	-1,210.19	3,712.40	3,651.31	61.09	60.767		
6,900.00	6,045.78	6,004.96	5,960.44	61.59	23.73	-144.94	1,454.89	-1,212.69	3,762.96	3,700.88	62.08	60.617		
7,000.00	6,128.59	6,104.13	6,058.79	62.73	24.14	-145.28	1,467.48	-1,214.59	3,813.11	3,750.04	63.07	60.459		
7,100.00	6,211.41	6,164.15	6,118.39	63.88	24.38	-145.49	1,474.48	-1,215.84	3,863.49	3,799.74	63.75	60.602		
7,200.00	6,294.22	6,248.93	6,202.68	65.02	24.72	-145.80	1,483.37	-1,217.88	3,914.27	3,849.66	64.60	60.588		
7,300.00	6,377.03	6,333.50	6,286.68	66.17	25.06	-146.10	1,492.92	-1,219.82	3,965.00	3,899.54	65.46	60.568		
7,400.00	6,459.85	6,403.13	6,355.71	67.31	25.35	-146.31	1,501.83	-1,221.55	4,015.95	3,949.73	66.22	60.643		
7,500.00	6,542.66	6,463.75	6,415.82	68.46	25.60	-146.50	1,509.52	-1,223.37	4,067.40	4,000.49	66.91	60.789		
7,600.00	6,625.48	6,516.02	6,467.68	69.60	25.82	-146.66	1,515.72	-1,225.29	4,119.49	4,051.97	67.52	61.012		
7,700.00	6,708.29	6,583.72	6,534.94	70.75	26.08	-146.89	1,522.86	-1,228.20	4,172.21	4,103.98	68.23	61.148		
7,800.00	6,791.10	6,661.76	6,612.63	71.89	26.38	-147.17	1,529.44	-1,231.57	4,225.11	4,156.11	69.00	61.237		
7,900.00	6,873.92	6,738.31	6,688.93	73.04	26.67	-147.45	1,534.69	-1,234.96	4,278.25	4,208.53	69.73	61.357		
8,000.00	6,956.73	6,827.89	6,778.30	74.18	26.99	-147.80	1,539.39	-1,238.77	4,331.42	4,260.90	70.53	61.416		
8,100.00	7,039.54	6,910.00	6,820.83	75.33	27.77	-148.43	1,540.52	-1,243.36	4,384.10	4,309.21	74.89	58.541		
8,165.32	7,093.63	6,987.00	6,937.19	76.08	27.49	-148.51	1,540.14	-1,243.74	4,418.35	4,346.57	71.79	61.546		
8,200.00	7,122.60	7,018.75	6,968.75	76.47	27.56	-155.68	1,536.81	-1,244.16	4,436.43	4,364.45	71.97	61.640		
8,250.00	7,165.05	7,028.62	6,978.54	77.01	27.58	-166.57	1,535.48	-1,244.41	4,463.30	4,391.23	72.08	61.925		
8,300.00	7,208.03	7,038.62	6,988.41	77.52	27.60	-178.13	1,534.01	-1,244.72	4,490.47	4,418.32	72.15	62.234		
8,350.00	7,251.22	7,076.00	7,025.14	77.99	27.68	170.02	1,527.25	-1,246.40	4,518.06	4,445.76	72.30	62.489		
8,400.00	7,294.28	7,076.00	7,025.14	78.41	27.68	158.46	1,527.25	-1,246.40	4,544.98	4,472.68	72.29	62.868		
8,450.00	7,336.90	7,076.00	7,025.14	78.78	27.95	147.56	1,518.47	-1,247.79	4,571.50	4,497.00	74.50	61.364		
8,500.00	7,378.73	7,076.00	7,025.14	79.10	30.04	137.69	1,508.15	-1,249.41	4,597.20	4,522.63	74.57	61.649		
8,550.00	7,419.47	7,199.18	7,144.04	79.37	27.87	128.96	1,495.61	-1,250.68	4,621.63	4,549.20	72.44	63.804		
8,600.00	7,458.81	7,213.67	7,157.72	79.59	27.88	121.27	1,490.89	-1,251.16	4,645.24	4,572.86	72.38	64.178		
8,650.00	7,496.44	7,228.10	7,171.27	79.76	27.90	114.61	1,485.93	-1,251.71	4,667.76	4,595.44	72.32	64.547		
8,700.00	7,532.08	7,255.00	7,196.25	79.88	27.93	108.94	1,476.03	-1,252.90	4,689.08	4,616.83	72.26	64.896		
8,750.00	7,565.46	7,255.00	7,196.25	79.95	27.93	103.96	1,476.03	-1,252.90	4,708.92	4,636.76	72.16	65.253		
8,800.00	7,596.33	7,255.00	7,196.25	79.98	27.93	99.69	1,476.03	-1,252.90	4,727.38	4,655.31	72.07	65.591		
8,850.00	7,624.44	7,255.00	7,196.25	79.97	27.93	96.05	1,476.03	-1,252.90	4,744.33	4,672.34	71.99	65.903		
8,900.00	7,649.59	7,255.00	7,196.25	79.93	27.93	92.98	1,476.03	-1,252.90	4,759.66	4,687.74	71.91	66.185		
8,950.00	7,671.59	7,292.31	7,230.46	79.84	27.97	90.72	1,461.31	-1,255.16	4,772.64	4,700.75	71.89	66.391		
9,000.00	7,690.26	7,300.39	7,237.81	79.73	27.97	88.71	1,458.02	-1,255.77	4,784.14	4,712.29	71.85	66.583		
9,050.00	7,705.47	7,307.98	7,244.70	79.59	27.98	87.13	1,454.89	-1,256.38	4,793.73	4,721.89	71.84	66.730		
9,100.00	7,717.09	7,344.00	7,277.15	79.43	28.01	86.22	1,439.63	-1,259.79	4,801.71	4,729.85	71.87	66.816		
9,150.00	7,725.04	7,344.00	7,277.15	79.26	28.01	85.36	1,439.63	-1,259.79	4,807.18	4,735.28	71.89	66.865		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1B-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 140-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	9,200.00	7,288.69	79.06	29.76	85.00	1,433.25	-1,260.95	4,810.64	4,737.46	73.18	65.733		
9,231.13	7,730.00	9,231.13	7,302.30	78.93	29.82	85.03	1,425.72	-1,262.33	4,811.73	4,738.48	73.24	65.695		
9,300.00	7,730.00	9,300.00	7,638.21	78.65	29.70	89.04	1,010.64	-1,276.84	4,812.39	4,740.54	71.85	66.977		
9,400.00	7,730.00	8,007.40	7,654.48	78.26	28.28	89.23	928.81	-1,273.00	4,807.15	4,736.93	70.21	68.466		
9,500.00	7,730.00	8,057.00	7,660.81	77.89	28.37	89.31	879.63	-1,271.60	4,803.40	4,733.12	70.28	68.343		
9,600.00	7,730.00	8,146.00	7,670.36	77.53	28.59	89.42	791.18	-1,269.40	4,800.40	4,730.10	70.31	68.278		
9,700.00	7,730.00	8,206.19	7,674.46	77.19	28.80	89.47	731.16	-1,267.73	4,797.32	4,726.80	70.52	68.028		
9,800.00	7,730.00	8,267.98	7,675.22	76.88	29.03	89.48	669.39	-1,266.71	4,795.26	4,724.47	70.79	67.739		
9,900.00	7,730.00	8,349.54	7,675.31	76.58	29.40	89.48	587.83	-1,265.74	4,793.74	4,722.61	71.13	67.398		
10,000.00	7,730.00	8,439.54	7,675.55	76.30	29.88	89.48	497.83	-1,264.96	4,792.52	4,720.93	71.59	66.940		
10,100.00	7,730.00	8,623.74	7,676.24	76.04	31.09	89.49	313.67	-1,262.26	4,790.90	4,718.47	72.43	66.146		
10,200.00	7,730.00	8,713.92	7,676.13	75.79	31.80	89.49	223.51	-1,259.82	4,787.87	4,714.58	73.29	65.329		
10,300.00	7,730.00	8,769.00	7,675.72	75.57	32.25	89.48	168.45	-1,258.78	4,785.65	4,711.55	74.10	64.583		
10,400.00	7,730.00	8,817.26	7,675.62	75.36	32.68	89.48	120.19	-1,258.36	4,784.44	4,709.49	74.96	63.831		
10,500.00	7,730.00	8,895.88	7,676.90	75.18	33.40	89.50	41.58	-1,258.54	4,784.25	4,708.21	76.05	62.913		
10,600.00	7,730.00	9,084.17	7,679.04	75.01	35.30	89.52	-146.68	-1,256.86	4,782.93	4,704.87	78.07	61.268		
10,700.00	7,730.00	9,183.92	7,679.16	74.86	36.39	89.52	-246.41	-1,254.99	4,780.72	4,701.10	79.62	60.047		
10,800.00	7,730.00	9,252.09	7,679.76	74.74	37.16	89.53	-314.58	-1,253.99	4,778.93	4,697.95	80.98	59.015		
10,900.00	7,730.00	9,320.54	7,680.26	74.64	37.96	89.54	-383.02	-1,253.57	4,777.93	4,695.53	82.40	57.981		
11,000.00	7,730.00	9,411.89	7,680.51	74.56	39.05	89.54	-474.38	-1,253.11	4,777.11	4,692.97	84.14	56.774		
11,052.11	7,730.00	9,437.21	7,680.72	74.53	39.36	89.54	-499.69	-1,253.12	4,776.96	4,692.12	84.84	56.306		
11,100.00	7,730.00	9,460.48	7,681.06	74.51	39.65	89.54	-522.95	-1,253.26	4,777.09	4,691.61	85.47	55.891		
11,200.00	7,730.00	9,543.08	7,683.09	74.48	40.69	89.57	-605.52	-1,254.29	4,777.94	4,690.69	87.25	54.760		
11,300.00	7,730.00	9,645.52	7,686.49	74.48	42.01	89.61	-707.90	-1,255.52	4,778.78	4,689.42	89.36	53.477		
11,400.00	7,730.00	9,768.92	7,690.91	74.50	43.66	89.66	-831.21	-1,256.69	4,779.37	4,687.52	91.85	52.033		
11,500.00	7,730.00	9,861.09	7,694.43	74.56	44.91	89.71	-923.32	-1,257.30	4,779.68	4,685.68	94.00	50.845		
11,600.00	7,730.00	9,927.00	7,695.66	74.66	45.82	89.72	-989.21	-1,258.13	4,780.58	4,684.76	95.82	49.893		
11,700.00	7,730.00	9,994.22	7,695.75	74.79	46.76	89.72	-1,056.41	-1,259.45	4,782.18	4,684.50	97.68	48.959		
11,800.00	7,730.00	10,108.74	7,694.79	74.96	48.38	89.71	-1,170.90	-1,261.98	4,784.08	4,683.77	100.31	47.695		
11,900.00	7,730.00	10,230.46	7,692.82	75.17	50.14	89.69	-1,292.59	-1,263.89	4,785.29	4,682.16	103.13	46.400		
12,000.00	7,730.00	10,372.73	7,689.18	75.43	52.23	89.64	-1,434.80	-1,265.73	4,786.37	4,679.99	106.38	44.995		
12,100.00	7,730.00	10,452.99	7,687.09	75.73	53.42	89.62	-1,515.03	-1,266.37	4,786.84	4,678.19	108.65	44.058		
12,200.00	7,730.00	10,552.42	7,687.52	76.09	54.92	89.62	-1,614.45	-1,267.41	4,787.55	4,676.25	111.30	43.014		
12,300.00	7,730.00	10,679.28	7,691.98	76.51	56.86	89.68	-1,741.22	-1,268.53	4,788.10	4,673.58	114.52	41.810		
12,400.00	7,730.00	10,846.27	7,692.17	76.97	59.44	89.68	-1,908.18	-1,268.03	4,787.42	4,668.89	118.53	40.390		
12,500.00	7,730.00	10,986.55	7,687.50	77.50	61.64	89.62	-2,048.36	-1,266.15	4,785.77	4,663.67	122.10	39.195		
12,600.00	7,730.00	11,053.02	7,684.92	78.09	62.69	89.59	-2,114.78	-1,265.14	4,783.96	4,659.64	124.33	38.479		
12,700.00	7,730.00	11,146.69	7,682.86	78.74	64.17	89.57	-2,208.43	-1,264.37	4,782.81	4,655.71	127.09	37.632		
12,800.00	7,730.00	11,227.90	7,681.24	79.45	65.47	89.55	-2,289.61	-1,263.64	4,781.62	4,651.97	129.64	36.883		
12,900.00	7,730.00	12,900.00	7,679.55	80.22	92.27	89.53	-2,397.51	-1,262.99	4,780.69	4,622.86	157.83	30.291		
13,000.00	7,730.00	11,526.39	7,679.81	81.05	70.27	89.53	-2,588.05	-1,259.60	4,778.46	4,640.90	137.57	34.736		
13,100.00	7,730.00	11,562.05	7,680.34	81.94	70.85	89.54	-2,623.69	-1,258.88	4,776.16	4,636.87	139.29	34.290		
13,200.00	7,730.00	11,620.00	7,681.37	82.87	71.79	89.55	-2,681.63	-1,258.91	4,775.50	4,634.04	141.46	33.759		
13,234.06	7,730.00	11,620.00	7,681.37	83.20	71.79	89.55	-2,681.63	-1,258.91	4,775.38	4,633.59	141.79	33.680		
13,300.00	7,730.00	11,632.30	7,681.61	83.86	71.99	89.55	-2,693.93	-1,259.08	4,775.81	4,633.15	142.66	33.476		
13,400.00	7,730.00	11,699.05	7,682.81	84.90	73.08	89.57	-2,760.66	-1,260.30	4,777.28	4,632.27	145.01	32.945		
13,500.00	7,730.00	11,847.32	7,684.89	85.97	75.49	89.59	-2,908.89	-1,262.97	4,778.80	4,629.68	149.11	32.048		
13,600.00	7,730.00	11,931.61	7,686.04	87.09	76.87	89.60	-2,993.16	-1,263.84	4,779.53	4,627.66	151.87	31.471		
13,700.00	7,730.00	11,993.11	7,687.65	88.25	77.88	89.62	-3,054.63	-1,265.06	4,781.13	4,626.98	154.14	31.018		
13,800.00	7,730.00	12,087.12	7,690.99	89.44	79.43	89.66	-3,148.56	-1,267.30	4,783.15	4,626.00	157.14	30.439		
13,900.00	7,730.00	12,187.13	7,695.14	90.66	81.08	89.71	-3,248.45	-1,269.72	4,785.22	4,624.93	160.29	29.854		
14,000.00	7,730.00	12,291.06	7,699.82	91.92	82.80	89.77	-3,352.24	-1,272.23	4,787.27	4,623.72	163.55	29.272		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation





## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>		SEC 22-T1N-R68W - EXIST HZ COSSLETT 1B-22H-B168 - OWB - FINAL SURVEY										<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b>		140-MWD OWSG										<b>Offset Well Error:</b>	0.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Distance</b>							
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Reference (usft)</b>	<b>Offset (usft)</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre +N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>	<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</b>
18,942.39	7,730.00	17,340.00	7,795.17	168.07	169.43	90.91	-8,398.12	-1,282.08	4,779.71	4,447.51	332.21	14.388 SF	









# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1C-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 177-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,457.08	7,730.00	16,977.59	7,863.12	160.05	161.21	91.75	-7,904.93	-1,188.17	4,689.03	4,373.23	315.81	14.848	
18,500.00	7,730.00	17,001.12	7,863.31	160.75	161.62	91.75	-7,928.45	-1,188.29	4,689.12	4,372.34	316.78	14.802	
18,600.00	7,730.00	17,206.65	7,867.44	162.40	165.20	91.80	-8,133.91	-1,188.27	4,689.29	4,366.40	322.89	14.523	
18,700.00	7,730.00	17,293.31	7,869.63	164.05	166.71	91.83	-8,220.53	-1,187.06	4,687.63	4,361.62	326.01	14.379	
18,800.00	7,730.00	17,399.63	7,868.98	165.71	168.57	91.82	-8,326.83	-1,185.88	4,686.18	4,356.56	329.61	14.217	
18,900.00	7,730.00	17,471.00	7,867.23	167.36	169.81	91.80	-8,398.18	-1,184.79	4,684.39	4,352.04	332.35	14.095	
18,942.39	7,730.00	17,471.00	7,867.23	168.07	169.81	91.80	-8,398.18	-1,184.79	4,684.13	4,351.39	332.73	14.078 SF	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-53.69	786.89	-1,070.98	1,329.01					
100.00	100.00	88.99	88.99	0.13	0.15	-53.69	786.92	-1,070.99	1,329.01	1,328.73	0.28	4,706.235 CC		
200.00	200.00	187.87	187.87	0.49	0.31	-53.69	787.05	-1,071.05	1,329.13	1,328.32	0.81	1,650.570		
300.00	300.00	286.75	286.75	0.85	0.48	-53.69	787.26	-1,071.14	1,329.33	1,328.00	1.33	1,000.917		
400.00	400.00	382.88	382.88	1.21	0.76	-53.68	787.64	-1,071.28	1,329.69	1,327.72	1.97	674.591 ES		
500.00	500.00	477.73	477.73	1.57	1.10	-53.65	788.44	-1,071.55	1,330.42	1,327.75	2.67	498.360		
600.00	600.00	572.58	572.56	1.93	1.44	-53.62	789.68	-1,071.95	1,331.53	1,328.17	3.37	395.353		
700.00	700.00	675.48	675.45	2.29	1.81	-53.58	791.30	-1,072.35	1,332.78	1,328.68	4.10	325.464		
800.00	800.00	764.74	764.70	2.64	2.13	-53.54	792.70	-1,072.98	1,334.28	1,329.50	4.77	279.552		
900.00	899.98	865.40	865.33	3.00	2.49	-113.10	794.74	-1,073.87	1,336.88	1,331.39	5.49	243.606		
1,000.00	999.84	972.72	972.63	3.35	2.88	-113.21	796.64	-1,074.39	1,340.37	1,334.14	6.23	215.320		
1,100.00	1,099.45	1,070.51	1,070.35	3.71	3.23	-113.31	800.23	-1,073.43	1,345.21	1,338.28	6.93	194.057		
1,200.00	1,198.70	1,182.34	1,182.05	4.08	3.62	-113.51	805.23	-1,071.30	1,351.18	1,343.48	7.70	175.530		
1,300.00	1,297.47	1,286.35	1,285.91	4.47	4.00	-113.78	809.90	-1,068.31	1,357.80	1,349.35	8.45	160.708		
1,400.00	1,395.62	1,373.10	1,372.44	4.87	4.31	-114.01	815.13	-1,065.26	1,366.26	1,357.10	9.16	149.172		
1,500.00	1,493.06	1,465.42	1,464.31	5.31	4.65	-114.24	823.26	-1,060.94	1,376.86	1,366.94	9.92	138.837		
1,600.00	1,589.64	1,560.35	1,558.41	5.77	5.01	-114.43	834.23	-1,055.10	1,389.31	1,378.58	10.72	129.594		
1,700.00	1,685.27	1,650.09	1,647.02	6.28	5.36	-114.58	846.79	-1,048.47	1,403.62	1,392.07	11.54	121.588		
1,800.00	1,779.82	1,724.00	1,719.87	6.83	5.66	-114.67	858.17	-1,043.36	1,420.64	1,408.30	12.34	115.119		
1,900.00	1,873.17	1,803.11	1,797.83	7.43	5.98	-114.83	870.84	-1,038.96	1,440.65	1,427.45	13.20	109.168		
2,000.00	1,965.21	1,878.78	1,872.42	8.08	6.29	-115.02	883.20	-1,035.80	1,463.60	1,449.53	14.07	103.996		
2,100.00	2,055.84	1,950.92	1,943.53	8.79	6.59	-115.21	895.15	-1,033.86	1,489.61	1,474.64	14.97	99.515		
2,200.00	2,144.94	2,035.48	2,026.91	9.56	6.94	-115.57	909.21	-1,032.87	1,518.64	1,502.68	15.96	95.143		
2,300.00	2,232.39	2,176.87	2,166.23	10.39	7.53	-116.60	932.86	-1,028.94	1,548.57	1,531.28	17.29	89.568		
2,400.00	2,318.11	2,256.87	2,244.92	11.30	7.88	-116.95	946.84	-1,025.06	1,578.94	1,560.58	18.36	85.997		
2,504.60	2,405.78	2,350.30	2,336.79	12.31	8.29	-117.44	963.27	-1,020.69	1,613.13	1,593.55	19.57	82.419		
2,600.00	2,484.79	2,430.87	2,416.09	13.28	8.64	-118.46	977.08	-1,017.21	1,645.73	1,625.06	20.67	79.622		
2,700.00	2,567.60	2,517.05	2,500.99	14.32	9.01	-119.53	991.45	-1,013.85	1,680.67	1,658.84	21.83	77.006		
2,800.00	2,650.41	2,633.40	2,615.70	15.37	9.51	-120.93	1,010.33	-1,009.03	1,715.93	1,692.78	23.14	74.139		
2,900.00	2,733.23	2,766.84	2,746.93	16.44	10.10	-122.38	1,032.20	-998.94	1,748.61	1,724.04	24.57	71.174		
3,000.00	2,816.04	2,830.00	2,808.95	17.52	10.39	-123.03	1,043.15	-994.24	1,782.38	1,756.77	25.61	69.602		
3,100.00	2,898.85	2,893.56	2,871.51	18.60	10.67	-123.69	1,053.82	-990.66	1,817.90	1,791.27	26.63	68.276		
3,200.00	2,981.67	2,972.20	2,949.12	19.69	11.01	-124.52	1,065.98	-987.17	1,854.57	1,826.86	27.71	66.936		
3,300.00	3,064.48	3,109.21	3,084.76	20.79	11.58	-126.00	1,084.25	-981.16	1,891.34	1,862.25	29.09	65.021		
3,400.00	3,147.30	3,226.77	3,200.96	21.90	12.08	-127.17	1,099.68	-972.28	1,925.49	1,895.14	30.36	63.429		
3,500.00	3,230.11	3,296.12	3,269.34	23.00	12.39	-127.81	1,110.02	-966.95	1,960.60	1,929.24	31.36	62.510		
3,600.00	3,312.92	3,373.14	3,345.41	24.12	12.72	-128.52	1,120.89	-961.87	1,996.82	1,964.43	32.40	61.635		
3,700.00	3,395.74	3,465.47	3,436.50	25.23	13.12	-129.32	1,134.64	-955.70	2,033.53	2,000.01	33.51	60.676		
3,800.00	3,478.55	3,539.89	3,509.91	26.35	13.45	-129.95	1,145.88	-950.93	2,070.87	2,036.35	34.52	59.996		
3,900.00	3,561.36	3,614.88	3,584.08	27.47	13.77	-130.60	1,156.21	-946.92	2,109.14	2,073.65	35.49	59.423		
4,000.00	3,644.18	3,735.92	3,703.99	28.59	14.27	-131.65	1,171.25	-940.22	2,147.32	2,110.60	36.72	58.475		
4,100.00	3,726.99	3,798.20	3,765.56	29.72	14.54	-132.14	1,179.86	-936.50	2,185.75	2,148.14	37.61	58.122		
4,200.00	3,809.81	3,865.25	3,831.65	30.85	14.84	-132.63	1,190.56	-932.96	2,225.44	2,186.92	38.52	57.769		
4,300.00	3,892.62	3,928.64	3,894.04	31.98	15.12	-133.06	1,201.40	-930.07	2,266.24	2,226.84	39.41	57.510		
4,400.00	3,975.43	3,988.00	3,952.65	33.11	15.38	-133.48	1,210.60	-928.34	2,308.38	2,268.15	40.24	57.371		
4,500.00	4,058.25	4,098.43	4,061.88	34.24	15.85	-134.28	1,226.58	-925.42	2,350.85	2,309.46	41.40	56.788		
4,600.00	4,141.06	4,217.35	4,179.05	35.37	16.38	-135.03	1,246.32	-920.67	2,392.76	2,350.11	42.65	56.108		
4,700.00	4,223.87	4,302.41	4,262.73	36.50	16.76	-135.53	1,260.89	-916.23	2,433.80	2,390.14	43.66	55.742		
4,800.00	4,306.69	4,377.73	4,336.82	37.64	17.10	-135.95	1,274.05	-912.96	2,475.80	2,431.20	44.60	55.506		
4,900.00	4,389.50	4,480.37	4,437.75	38.77	17.57	-136.51	1,292.14	-908.26	2,517.79	2,472.04	45.74	55.042		
5,000.00	4,472.32	4,535.40	4,491.95	39.91	17.81	-136.81	1,301.38	-906.11	2,560.36	2,513.85	46.52	55.044		
5,100.00	4,555.13	4,668.53	4,623.32	41.05	18.40	-137.55	1,322.37	-901.00	2,603.24	2,555.41	47.83	54.422		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,807.10	4,760.04	42.18	19.01	-138.30	1,343.23	-892.55	2,643.99	2,594.81	49.17	53.770		
5,300.00	4,720.76	4,964.67	4,914.42	43.32	19.75	-139.00	1,371.44	-878.52	2,682.45	2,631.76	50.69	52.917		
5,400.00	4,803.57	5,039.61	4,987.78	44.46	20.10	-139.31	1,385.02	-871.38	2,720.79	2,669.15	51.63	52.694		
5,500.00	4,886.39	5,106.55	5,053.48	45.60	20.41	-139.60	1,396.45	-865.58	2,759.91	2,707.41	52.50	52.570		
5,600.00	4,969.20	5,166.83	5,112.84	46.74	20.68	-139.88	1,405.83	-861.04	2,800.03	2,746.74	53.29	52.542		
5,700.00	5,052.01	5,311.80	5,255.76	47.88	21.33	-140.57	1,426.88	-848.99	2,839.27	2,784.63	54.64	51.967		
5,800.00	5,134.83	5,380.31	5,323.34	49.02	21.63	-140.89	1,436.52	-843.25	2,878.76	2,823.30	55.47	51.902		
5,900.00	5,217.64	5,458.32	5,400.14	50.16	21.98	-141.22	1,448.71	-836.97	2,918.81	2,862.45	56.37	51.784		
6,000.00	5,300.45	5,523.43	5,464.21	51.30	22.28	-141.48	1,459.26	-832.14	2,959.56	2,902.38	57.18	51.761		
6,100.00	5,383.27	5,590.68	5,530.52	52.45	22.57	-141.76	1,469.58	-827.72	3,001.12	2,943.14	57.98	51.758		
6,200.00	5,466.08	5,656.51	5,595.58	53.59	22.86	-142.04	1,478.86	-823.92	3,043.44	2,984.68	58.76	51.792		
6,300.00	5,548.90	5,714.00	5,652.27	54.73	23.12	-142.27	1,487.93	-820.98	3,086.57	3,027.09	59.48	51.891		
6,400.00	5,631.71	5,771.86	5,709.31	55.87	23.37	-142.49	1,497.33	-818.57	3,130.66	3,070.46	60.20	52.004		
6,500.00	5,714.52	5,839.79	5,776.38	57.02	23.67	-142.75	1,507.91	-816.56	3,175.78	3,114.79	60.99	52.073		
6,600.00	5,797.34	5,919.38	5,854.73	58.16	24.03	-143.02	1,521.70	-814.24	3,221.12	3,159.24	61.88	52.054		
6,700.00	5,880.15	6,104.88	6,037.92	59.30	24.84	-143.70	1,549.81	-807.42	3,266.22	3,202.65	63.57	51.383		
6,800.00	5,962.96	6,159.00	6,091.45	60.45	25.07	-143.91	1,557.32	-804.57	3,309.64	3,245.41	64.23	51.529		
6,900.00	6,045.78	6,222.58	6,154.40	61.59	25.34	-144.15	1,565.79	-801.79	3,353.91	3,288.97	64.95	51.641		
7,000.00	6,128.59	6,298.39	6,229.58	62.73	25.65	-144.45	1,575.17	-799.21	3,399.03	3,333.29	65.74	51.705		
7,100.00	6,211.41	6,380.80	6,311.25	63.88	26.00	-144.76	1,585.83	-796.37	3,444.26	3,377.67	66.59	51.726		
7,200.00	6,294.22	6,494.85	6,423.91	65.02	26.49	-145.13	1,603.12	-792.50	3,489.68	3,421.97	67.72	51.535		
7,300.00	6,377.03	6,622.31	6,549.36	66.17	27.07	-145.48	1,624.75	-786.27	3,533.67	3,464.69	68.99	51.223		
7,400.00	6,459.85	6,671.09	6,597.40	67.31	27.29	-145.62	1,632.90	-784.03	3,578.08	3,508.46	69.62	51.398		
7,500.00	6,542.66	7,140.00	7,060.46	68.46	29.04	-147.63	1,662.94	-740.14	3,618.19	3,545.75	72.44	49.950		
7,600.00	6,625.48	7,140.00	7,060.46	69.60	29.04	-147.63	1,662.94	-740.14	3,655.15	3,582.35	72.80	50.207		
7,700.00	6,708.29	7,140.00	7,060.46	70.75	29.04	-147.63	1,662.94	-740.14	3,694.45	3,621.33	73.12	50.526		
7,800.00	6,791.10	7,184.75	7,104.28	71.89	29.12	-147.98	1,655.72	-734.74	3,734.35	3,660.90	73.45	50.840		
7,900.00	6,873.92	7,229.00	7,147.18	73.04	29.19	-148.36	1,645.29	-732.12	3,777.87	3,704.13	73.73	51.237		
8,000.00	6,956.73	7,229.00	7,147.18	74.18	29.19	-148.36	1,645.29	-732.12	3,821.91	3,747.95	73.96	51.677		
8,100.00	7,039.54	7,229.00	7,147.18	75.33	29.19	-148.36	1,645.29	-732.12	3,868.04	3,793.89	74.14	52.169		
8,165.32	7,093.63	7,229.00	7,147.18	76.08	29.19	-148.36	1,645.29	-732.12	3,899.26	3,825.01	74.25	52.518		
8,200.00	7,122.60	7,229.00	7,147.18	76.47	29.19	-155.12	1,645.29	-732.12	3,916.25	3,841.96	74.29	52.714		
8,250.00	7,165.05	7,229.00	7,147.18	77.01	29.19	-165.68	1,645.29	-732.12	3,941.35	3,867.01	74.34	53.016		
8,300.00	7,208.03	7,229.00	7,147.18	77.52	29.19	-176.96	1,645.29	-732.12	3,966.96	3,892.59	74.37	53.339		
8,350.00	7,251.22	7,263.06	7,179.73	77.99	29.21	171.33	1,635.30	-731.55	3,992.29	3,917.88	74.40	53.657		
8,400.00	7,294.28	7,273.20	7,189.34	78.41	29.22	159.94	1,632.04	-731.54	4,017.91	3,943.51	74.40	54.003		
8,450.00	7,336.90	7,283.45	7,199.00	78.78	29.23	149.17	1,628.62	-731.61	4,043.34	3,968.96	74.38	54.359		
8,500.00	7,378.73	7,318.00	7,231.21	79.10	29.25	139.32	1,616.15	-732.36	4,068.68	3,994.33	74.35	54.724		
8,550.00	7,419.47	7,318.00	7,231.21	79.37	29.25	130.53	1,616.15	-732.36	4,092.94	4,018.64	74.30	55.084		
8,600.00	7,458.81	7,318.00	7,231.21	79.59	29.25	122.78	1,616.15	-732.36	4,116.57	4,042.32	74.25	55.442		
8,650.00	7,496.44	7,318.00	7,231.21	79.76	29.25	116.00	1,616.15	-732.36	4,139.38	4,065.19	74.19	55.795		
8,700.00	7,532.08	7,350.00	7,260.55	79.88	29.26	110.27	1,603.43	-733.57	4,160.96	4,086.84	74.12	56.141		
8,750.00	7,565.46	7,369.33	7,278.05	79.95	29.26	105.31	1,595.28	-734.41	4,181.27	4,107.22	74.05	56.466		
8,800.00	7,596.33	7,408.00	7,312.55	79.98	29.26	101.21	1,577.92	-736.36	4,200.24	4,126.27	73.97	56.784		
8,850.00	7,624.44	7,408.00	7,312.55	79.97	29.26	97.52	1,577.92	-736.36	4,217.47	4,143.53	73.94	57.041		
8,900.00	7,649.59	8,900.00	7,432.55	79.93	28.40	95.32	1,494.08	-741.55	4,232.46	4,159.93	72.54	58.350		
8,950.00	7,671.59	7,586.00	7,456.15	79.84	29.15	92.99	1,474.12	-742.12	4,244.99	4,171.64	73.35	57.871		
9,000.00	7,690.26	7,586.00	7,456.15	79.73	29.15	90.94	1,474.12	-742.12	4,255.81	4,182.42	73.39	57.992		
9,050.00	7,705.47	7,623.52	7,481.58	79.59	29.10	89.54	1,446.55	-742.59	4,264.23	4,191.00	73.23	58.234		
9,100.00	7,717.09	7,633.46	7,488.00	79.43	29.09	88.38	1,438.96	-742.88	4,271.23	4,197.98	73.25	58.312		
9,150.00	7,725.04	7,675.00	7,513.28	79.26	29.03	87.82	1,406.08	-744.90	4,276.90	4,203.81	73.09	58.516		
9,200.00	7,729.27	7,675.00	7,513.28	79.06	29.03	87.35	1,406.08	-744.90	4,279.92	4,206.69	73.23	58.446		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	7,675.00	7,513.28	78.93	29.03	87.23	1,406.08	-744.90	4,280.89	4,207.57	73.33	58.380		
9,300.00	7,730.00	8,009.06	7,658.42	78.65	28.72	89.18	1,106.78	-750.74	4,282.72	4,211.45	71.27	60.092		
9,400.00	7,730.00	8,148.60	7,689.31	78.26	28.79	89.59	970.89	-746.15	4,278.69	4,207.88	70.82	60.420		
9,500.00	7,730.00	8,223.44	7,699.35	77.89	28.89	89.72	896.78	-743.60	4,274.82	4,203.99	70.84	60.348		
9,600.00	7,730.00	9,600.00	7,701.08	77.53	33.83	89.75	765.90	-738.99	4,270.99	4,195.98	75.01	56.938		
9,700.00	7,730.00	8,515.28	7,698.42	77.19	29.90	89.71	605.40	-730.49	4,265.03	4,194.25	70.78	60.260		
9,800.00	7,730.00	8,566.00	7,698.30	76.88	30.16	89.71	554.74	-727.99	4,259.80	4,188.59	71.21	59.817		
9,900.00	7,730.00	8,611.39	7,698.49	76.58	30.44	89.71	509.39	-726.30	4,255.80	4,184.07	71.73	59.332		
10,000.00	7,730.00	8,655.00	7,699.12	76.30	30.70	89.72	465.79	-725.31	4,253.16	4,180.88	72.28	58.844		
10,100.00	7,730.00	8,744.00	7,701.37	76.04	31.32	89.75	376.83	-723.67	4,251.00	4,178.01	72.98	58.247		
10,200.00	7,730.00	8,796.33	7,703.15	75.79	31.72	89.77	324.54	-723.03	4,249.62	4,175.91	73.71	57.657		
10,228.15	7,730.00	8,807.41	7,703.56	75.73	31.81	89.78	313.47	-723.03	4,249.50	4,175.59	73.91	57.494		
10,300.00	7,730.00	8,833.00	7,704.58	75.57	32.00	89.79	287.90	-723.18	4,249.72	4,175.31	74.41	57.110		
10,400.00	7,730.00	8,880.56	7,706.30	75.36	32.40	89.82	240.38	-724.02	4,251.18	4,175.96	75.21	56.522		
10,500.00	7,730.00	8,928.92	7,707.57	75.18	32.80	89.83	192.06	-725.54	4,253.94	4,177.89	76.05	55.938		
10,600.00	7,730.00	9,077.85	7,711.20	75.01	34.16	89.88	43.26	-730.62	4,257.16	4,179.62	77.53	54.908		
10,700.00	7,730.00	9,259.33	7,713.06	74.86	36.00	89.91	-138.19	-733.26	4,258.19	4,178.64	79.55	53.528		
10,800.00	7,730.00	9,366.01	7,713.34	74.74	37.17	89.91	-244.86	-733.74	4,258.30	4,177.11	81.19	52.451		
10,900.00	7,730.00	10,900.00	7,709.97	74.64	55.48	89.87	-406.76	-733.06	4,257.47	4,157.59	99.88	42.626		
11,000.00	7,730.00	9,590.48	7,708.50	74.56	39.83	89.85	-469.27	-732.47	4,256.33	4,171.37	84.96	50.100		
11,033.49	7,730.00	9,604.04	7,708.21	74.54	39.99	89.84	-482.83	-732.49	4,256.25	4,170.89	85.36	49.862		
11,100.00	7,730.00	9,634.00	7,707.61	74.51	40.36	89.83	-512.78	-732.74	4,256.56	4,170.38	86.18	49.389		
11,200.00	7,730.00	9,792.98	7,705.01	74.48	42.38	89.80	-671.74	-733.52	4,256.71	4,167.79	88.92	47.871		
11,300.00	7,730.00	9,901.00	7,703.92	74.48	43.81	89.78	-779.75	-732.77	4,255.66	4,164.52	91.14	46.693		
11,360.84	7,730.00	9,931.44	7,703.69	74.49	44.22	89.78	-810.18	-732.64	4,255.31	4,163.27	92.04	46.235		
11,400.00	7,730.00	9,943.69	7,703.60	74.50	44.38	89.78	-822.44	-732.72	4,255.43	4,162.93	92.50	46.005		
11,500.00	7,730.00	9,990.00	7,703.26	74.56	45.00	89.77	-868.73	-733.72	4,256.96	4,163.03	93.92	45.324		
11,600.00	7,730.00	10,056.11	7,702.63	74.66	45.90	89.77	-934.80	-735.83	4,259.62	4,163.96	95.67	44.526		
11,700.00	7,730.00	11,700.00	7,705.05	74.79	69.17	89.80	-1,118.98	-739.33	4,261.06	4,141.00	120.06	35.491		
11,800.00	7,730.00	10,466.19	7,712.34	74.96	51.76	89.90	-1,344.66	-737.09	4,259.00	4,154.95	104.04	40.935		
11,900.00	7,730.00	10,536.05	7,713.27	75.17	52.80	89.91	-1,414.51	-736.09	4,257.19	4,151.11	106.08	40.131		
12,000.00	7,730.00	10,641.04	7,713.37	75.43	54.37	89.91	-1,519.48	-734.39	4,255.22	4,146.43	108.79	39.115		
12,100.00	7,730.00	10,704.00	7,713.49	75.73	55.31	89.91	-1,582.44	-734.08	4,254.24	4,143.49	110.75	38.412		
12,200.00	7,730.00	10,784.61	7,713.91	76.09	56.54	89.92	-1,663.05	-734.20	4,253.99	4,140.92	113.07	37.621		
12,300.00	7,730.00	10,911.77	7,715.58	76.51	58.49	89.94	-1,790.19	-733.28	4,252.81	4,136.46	116.35	36.552		
12,400.00	7,730.00	10,971.00	7,716.22	76.97	59.40	89.95	-1,849.42	-733.36	4,252.50	4,134.18	118.32	35.942		
12,400.07	7,730.00	10,971.00	7,716.22	76.98	59.40	89.95	-1,849.42	-733.36	4,252.50	4,134.18	118.32	35.942		
12,500.00	7,730.00	12,500.00	7,717.03	77.50	83.10	89.96	-1,941.28	-733.85	4,252.68	4,109.44	143.24	29.689		
12,600.00	7,730.00	11,121.08	7,717.07	78.09	61.73	89.96	-1,999.49	-734.34	4,253.26	4,130.33	122.93	34.600		
12,700.00	7,730.00	12,700.00	7,715.63	78.74	86.45	89.94	-2,102.20	-735.93	4,254.47	4,105.51	148.96	28.561		
12,800.00	7,730.00	11,294.83	7,714.84	79.45	64.45	89.93	-2,173.21	-736.95	4,255.67	4,127.58	128.09	33.223		
12,900.00	7,730.00	11,397.96	7,714.41	80.22	66.08	89.92	-2,276.30	-739.52	4,257.84	4,126.77	131.06	32.487		
13,000.00	7,730.00	11,506.00	7,714.74	81.05	67.79	89.93	-2,384.33	-741.03	4,258.86	4,124.68	134.18	31.740		
13,100.00	7,730.00	11,569.48	7,715.28	81.94	68.80	89.94	-2,447.80	-742.14	4,260.46	4,124.12	136.34	31.249		
13,200.00	7,730.00	11,647.10	7,716.24	82.87	70.04	89.95	-2,525.37	-744.69	4,263.35	4,124.53	138.82	30.712		
13,300.00	7,730.00	11,816.62	7,717.92	83.86	72.77	89.97	-2,694.81	-749.09	4,265.71	4,122.30	143.41	29.745		
13,400.00	7,730.00	11,997.96	7,716.90	84.90	75.72	89.96	-2,876.15	-749.47	4,265.22	4,116.90	148.32	28.757		
13,496.71	7,730.00	12,067.84	7,715.30	85.94	76.86	89.94	-2,946.01	-749.50	4,264.93	4,114.26	150.68	28.305		
13,500.00	7,730.00	12,070.39	7,715.24	85.97	76.90	89.94	-2,948.55	-749.51	4,264.93	4,114.17	150.76	28.289		
13,600.00	7,730.00	12,163.43	7,713.78	87.09	78.43	89.92	-3,041.58	-750.06	4,265.17	4,111.48	153.69	27.751		
13,700.00	7,730.00	12,396.00	7,718.81	88.25	82.28	89.98	-3,274.06	-747.76	4,263.91	4,103.97	159.93	26.661		
13,800.00	7,730.00	12,461.53	7,720.52	89.44	83.37	90.01	-3,339.55	-746.11	4,261.17	4,098.87	162.30	26.254		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,900.00	7,730.00	12,524.20	7,722.22	90.66	84.42	90.03	-3,402.20	-745.34	4,259.55	4,094.95	164.61	25.877		
14,000.00	7,730.00	12,575.00	7,723.48	91.92	85.27	90.05	-3,452.98	-744.99	4,258.71	4,092.09	166.61	25.560		
14,039.57	7,730.00	12,610.92	7,724.18	92.42	85.86	90.06	-3,488.88	-744.96	4,258.56	4,090.77	167.79	25.381		
14,100.00	7,730.00	12,641.89	7,724.56	93.20	86.38	90.06	-3,519.85	-745.18	4,258.77	4,089.77	169.00	25.200		
14,200.00	7,730.00	12,872.19	7,725.96	94.50	90.23	90.08	-3,750.12	-744.21	4,258.12	4,082.77	175.35	24.284		
14,300.00	7,730.00	12,931.00	7,727.11	95.83	91.22	90.10	-3,808.91	-743.78	4,256.72	4,079.13	177.59	23.969		
14,359.59	7,730.00	12,931.00	7,727.11	96.63	91.22	90.10	-3,808.91	-743.78	4,256.31	4,078.25	178.06	23.904		
14,400.00	7,730.00	12,931.00	7,727.11	97.17	91.22	90.10	-3,808.91	-743.78	4,256.50	4,078.14	178.36	23.865		
14,500.00	7,730.00	12,994.73	7,728.54	98.54	92.29	90.11	-3,872.62	-744.66	4,257.65	4,076.98	180.68	23.565		
14,600.00	7,730.00	13,059.82	7,729.74	99.92	93.37	90.13	-3,937.67	-746.41	4,259.96	4,076.94	183.02	23.276		
14,700.00	7,730.00	13,151.95	7,730.72	101.32	94.91	90.14	-4,029.75	-749.29	4,262.75	4,076.70	186.05	22.912		
14,800.00	7,730.00	14,800.00	7,731.71	102.74	122.69	90.16	-4,231.47	-753.28	4,264.42	4,048.12	216.30	19.715		
14,900.00	7,730.00	13,425.66	7,732.30	104.17	99.51	90.17	-4,303.40	-753.80	4,264.91	4,070.45	194.46	21.932		
15,000.00	7,730.00	13,476.77	7,733.63	105.62	100.38	90.18	-4,354.48	-754.88	4,266.63	4,070.15	196.47	21.716		
15,100.00	7,730.00	13,615.20	7,733.11	107.07	102.71	90.18	-4,492.87	-757.96	4,268.56	4,067.82	200.74	21.264		
15,200.00	7,730.00	13,845.53	7,728.54	108.54	106.62	90.11	-4,723.13	-757.76	4,267.83	4,060.50	207.33	20.584		
15,300.00	7,730.00	13,887.23	7,727.83	110.02	107.34	90.11	-4,764.83	-757.46	4,266.78	4,057.61	209.17	20.398		
15,339.31	7,730.00	13,911.00	7,727.44	110.61	107.74	90.10	-4,788.59	-757.55	4,266.76	4,056.68	210.08	20.310		
15,400.00	7,730.00	13,911.00	7,727.44	111.51	107.74	90.10	-4,788.59	-757.55	4,267.19	4,056.68	210.51	20.270		
15,500.00	7,730.00	13,974.64	7,726.32	113.01	108.82	90.08	-4,852.22	-758.62	4,268.72	4,055.86	212.86	20.054		
15,600.00	7,730.00	14,076.08	7,724.47	114.52	110.54	90.06	-4,953.59	-761.63	4,271.36	4,055.16	216.20	19.757		
15,700.00	7,730.00	14,248.26	7,721.85	116.04	113.47	90.02	-5,125.72	-764.45	4,272.58	4,051.16	221.42	19.297		
15,800.00	7,730.00	14,426.58	7,720.54	117.56	116.52	90.01	-5,304.04	-764.25	4,272.06	4,045.29	226.78	18.838		
15,900.00	7,730.00	14,483.13	7,720.52	119.09	117.49	90.01	-5,360.58	-763.86	4,271.15	4,042.14	229.01	18.651		
15,919.09	7,730.00	14,491.35	7,720.57	119.39	117.63	90.01	-5,368.80	-763.88	4,271.13	4,041.76	229.37	18.622		
16,000.00	7,730.00	14,535.00	7,721.09	120.63	118.38	90.01	-5,412.45	-764.32	4,271.58	4,040.48	231.10	18.484		
16,100.00	7,730.00	14,637.68	7,722.61	122.18	120.13	90.03	-5,515.11	-765.76	4,272.65	4,038.13	234.53	18.218		
16,200.00	7,730.00	14,708.88	7,724.50	123.73	121.35	90.06	-5,586.27	-766.88	4,273.86	4,036.74	237.12	18.024		
16,300.00	7,730.00	14,802.00	7,727.99	125.29	122.95	90.11	-5,679.32	-768.31	4,275.09	4,034.78	240.31	17.790		
16,400.00	7,730.00	14,860.96	7,730.44	126.86	123.96	90.14	-5,738.21	-769.53	4,276.98	4,034.42	242.56	17.633		
16,500.00	7,730.00	14,946.25	7,734.45	128.43	125.42	90.19	-5,823.36	-772.50	4,280.08	4,034.55	245.53	17.432		
16,600.00	7,730.00	15,110.13	7,742.46	130.01	128.23	90.30	-5,986.99	-776.39	4,282.06	4,031.38	250.68	17.082		
16,700.00	7,730.00	15,184.21	7,745.88	131.59	129.50	90.35	-6,060.98	-777.74	4,283.64	4,030.28	253.36	16.907		
16,800.00	7,730.00	15,248.00	7,748.28	133.18	130.59	90.38	-6,124.69	-779.81	4,286.41	4,030.67	255.74	16.761		
16,900.00	7,730.00	15,351.79	7,751.82	134.77	132.37	90.43	-6,228.36	-783.38	4,289.55	4,030.31	259.24	16.547		
17,000.00	7,730.00	15,412.02	7,753.50	136.37	133.40	90.45	-6,288.52	-785.55	4,292.83	4,031.33	261.50	16.416		
17,100.00	7,730.00	15,489.05	7,754.94	137.97	134.72	90.47	-6,365.46	-788.93	4,296.88	4,032.66	264.23	16.262		
17,200.00	7,730.00	15,665.76	7,757.12	139.57	137.75	90.49	-6,542.03	-795.88	4,300.66	4,030.87	269.79	15.941		
17,300.00	7,730.00	15,876.23	7,758.95	141.18	141.38	90.52	-6,752.46	-798.91	4,301.67	4,025.45	276.22	15.573		
17,400.00	7,730.00	16,025.47	7,756.82	142.79	143.96	90.49	-6,901.66	-798.86	4,301.41	4,020.49	280.93	15.312		
17,500.00	7,730.00	16,248.65	7,750.00	144.41	147.85	90.40	-7,124.63	-792.24	4,297.25	4,009.79	287.46	14.949		
17,600.00	7,730.00	16,283.03	7,749.79	146.03	148.45	90.40	-7,158.99	-791.21	4,293.93	4,004.68	289.24	14.846		
17,700.00	7,730.00	16,312.00	7,749.86	147.65	148.95	90.40	-7,187.95	-790.76	4,292.14	4,001.32	290.82	14.759		
17,771.80	7,730.00	16,339.80	7,750.10	148.82	149.43	90.40	-7,215.75	-790.69	4,291.81	3,999.71	292.10	14.693		
17,800.00	7,730.00	16,348.76	7,750.20	149.28	149.59	90.40	-7,224.70	-790.75	4,291.91	3,999.36	292.54	14.671		
17,900.00	7,730.00	16,401.00	7,751.02	150.91	150.49	90.41	-7,276.93	-791.90	4,293.43	3,998.78	294.64	14.572		
18,000.00	7,730.00	16,446.11	7,751.95	152.54	151.27	90.43	-7,322.00	-793.43	4,296.09	3,999.59	296.50	14.489		
18,100.00	7,730.00	16,593.58	7,756.00	154.18	153.82	90.48	-7,469.36	-797.53	4,298.58	3,997.29	301.29	14.267		
18,200.00	7,730.00	16,692.18	7,759.78	155.82	155.52	90.53	-7,567.87	-799.35	4,300.12	3,995.44	304.68	14.113		
18,300.00	7,730.00	16,757.00	7,762.30	157.46	156.64	90.56	-7,632.61	-801.35	4,302.74	3,995.63	307.11	14.010		
18,400.00	7,730.00	16,815.04	7,764.46	159.11	157.64	90.59	-7,690.56	-803.66	4,306.22	3,996.90	309.32	13.922		
18,500.00	7,730.00	16,934.10	7,769.54	160.75	159.70	90.66	-7,809.42	-808.19	4,309.75	3,996.43	313.31	13.755		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 318-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,600.00	7,730.00	17,022.57	7,773.05	162.40	161.23	90.71	-7,897.76	-811.43	4,313.12	3,996.71	316.41	13.631	
18,700.00	7,730.00	17,110.40	7,774.70	164.05	162.74	90.73	-7,985.50	-814.91	4,316.77	3,997.29	319.48	13.512	
18,800.00	7,730.00	17,245.08	7,776.32	165.71	165.07	90.75	-8,120.08	-819.99	4,320.24	3,996.31	323.93	13.337	
18,900.00	7,730.00	17,381.77	7,778.92	167.36	167.43	90.78	-8,256.69	-823.85	4,322.73	3,994.30	328.43	13.162	
18,942.39	7,730.00	17,437.71	7,780.31	168.07	168.40	90.80	-8,312.59	-825.12	4,323.57	3,993.29	330.28	13.091 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 586-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	318.00	317.99	0.00	0.00	-52.47	785.35	-1,022.50	1,330.36					
100.00	100.00	318.00	317.99	0.13	0.00	-52.47	785.35	-1,022.50	1,309.29	1,308.87	0.42	3,103.350		
200.00	200.00	318.00	317.99	0.49	0.00	-52.47	785.35	-1,022.50	1,295.63	1,295.09	0.54	2,394.576		
300.00	300.00	318.00	317.99	0.85	0.00	-52.47	785.35	-1,022.50	1,289.59	1,288.74	0.85	1,512.083		
327.99	327.99	318.00	317.99	0.95	0.00	-52.47	785.35	-1,022.50	1,289.29	1,288.34	0.95	1,354.432		
400.00	400.00	388.56	388.54	1.21	0.13	-52.51	784.69	-1,023.16	1,289.42	1,288.08	1.34	964.584		
500.00	500.00	491.26	491.24	1.57	0.31	-52.57	783.71	-1,023.93	1,289.43	1,287.55	1.88	685.981		
600.00	600.00	593.97	593.94	1.93	0.50	-52.62	782.69	-1,024.45	1,289.23	1,286.81	2.42	532.152		
622.56	622.56	617.14	617.11	2.01	0.54	-52.63	782.46	-1,024.53	1,289.15	1,286.61	2.55	506.503 CC		
700.00	700.00	679.50	679.46	2.29	0.80	-52.58	783.53	-1,024.15	1,289.54	1,286.45	3.09	417.608 ES		
800.00	800.00	768.55	768.40	2.64	1.12	-52.40	787.49	-1,022.51	1,290.79	1,287.04	3.75	343.986		
900.00	899.98	859.94	859.43	3.00	1.44	-111.65	794.83	-1,019.14	1,293.44	1,289.01	4.44	291.508		
1,000.00	999.84	947.49	946.31	3.35	1.77	-111.28	804.63	-1,014.59	1,298.18	1,293.06	5.12	253.482		
1,100.00	1,099.45	1,034.84	1,032.75	3.71	2.12	-110.93	816.26	-1,009.77	1,305.27	1,299.45	5.83	224.005		
1,200.00	1,198.70	1,130.68	1,127.28	4.08	2.52	-110.58	830.76	-1,003.73	1,314.15	1,307.56	6.59	199.424		
1,300.00	1,297.47	1,225.83	1,221.06	4.47	2.93	-110.32	845.68	-997.65	1,324.54	1,317.17	7.37	179.656		
1,400.00	1,395.62	1,340.64	1,334.26	4.87	3.43	-110.20	863.47	-990.45	1,336.17	1,327.91	8.27	161.649		
1,500.00	1,493.06	1,442.60	1,434.73	5.31	3.88	-110.18	878.94	-982.58	1,347.62	1,338.49	9.13	147.561		
1,600.00	1,589.64	1,525.08	1,515.92	5.77	4.25	-110.18	892.12	-976.43	1,361.01	1,351.06	9.95	136.845		
1,700.00	1,685.27	1,637.16	1,626.05	6.28	4.76	-110.36	911.04	-967.90	1,376.10	1,365.16	10.94	125.828		
1,800.00	1,779.82	1,748.25	1,735.44	6.83	5.26	-110.71	928.08	-958.63	1,390.91	1,378.96	11.96	116.335		
1,900.00	1,873.17	1,828.04	1,814.08	7.43	5.61	-110.97	940.10	-952.54	1,407.56	1,394.69	12.86	109.414		
2,000.00	1,965.21	1,906.03	1,890.96	8.08	5.96	-111.27	952.22	-947.62	1,426.96	1,413.16	13.80	103.394		
2,100.00	2,055.84	2,047.42	2,030.33	8.79	6.59	-112.24	973.81	-937.60	1,447.31	1,432.22	15.09	95.903		
2,200.00	2,144.94	2,148.30	2,129.64	9.56	7.05	-112.89	988.58	-927.81	1,466.83	1,450.59	16.24	90.332		
2,300.00	2,232.39	2,223.23	2,203.33	10.39	7.39	-113.29	1,000.20	-920.81	1,488.91	1,471.61	17.30	86.047		
2,400.00	2,318.11	2,295.47	2,274.38	11.30	7.72	-113.69	1,011.87	-914.97	1,514.16	1,495.77	18.39	82.331		
2,504.60	2,405.78	2,371.39	2,349.04	12.31	8.07	-114.11	1,024.59	-909.68	1,543.90	1,524.34	19.57	78.908		
2,600.00	2,484.79	2,440.70	2,417.22	13.28	8.39	-115.05	1,036.35	-905.64	1,573.31	1,552.66	20.65	76.192		
2,700.00	2,567.60	2,528.98	2,504.14	14.32	8.79	-116.23	1,051.16	-901.21	1,605.37	1,583.51	21.86	73.425		
2,800.00	2,650.41	2,611.99	2,586.00	15.37	9.15	-117.32	1,064.41	-897.37	1,638.10	1,615.06	23.04	71.113		
2,900.00	2,733.23	2,703.85	2,676.82	16.44	9.55	-118.55	1,077.74	-894.20	1,671.86	1,647.63	24.24	68.984		
3,000.00	2,816.04	2,845.42	2,816.55	17.52	10.17	-120.29	1,098.93	-886.05	1,704.64	1,678.92	25.72	66.273		
3,100.00	2,898.85	2,936.19	2,906.08	18.60	10.58	-121.35	1,112.35	-879.46	1,736.72	1,709.80	26.92	64.517		
3,200.00	2,981.67	3,054.51	3,023.15	19.69	11.08	-122.75	1,126.82	-870.32	1,767.98	1,739.76	28.22	62.640		
3,300.00	3,064.48	3,156.10	3,123.90	20.79	11.50	-123.97	1,137.30	-862.58	1,799.45	1,770.04	29.41	61.188		
3,400.00	3,147.30	3,264.51	3,231.14	21.90	11.96	-125.18	1,149.58	-852.59	1,830.47	1,799.84	30.63	59.761		
3,500.00	3,230.11	3,371.04	3,336.02	23.00	12.44	-126.22	1,164.14	-840.86	1,861.21	1,829.35	31.87	58.402		
3,600.00	3,312.92	3,446.97	3,410.66	24.12	12.79	-126.93	1,175.09	-832.31	1,892.39	1,859.45	32.94	57.447		
3,700.00	3,395.74	3,510.72	3,473.50	25.23	13.07	-127.53	1,183.76	-825.97	1,924.89	1,890.98	33.91	56.761		
3,800.00	3,478.55	3,587.03	3,548.95	26.35	13.40	-128.27	1,193.30	-819.70	1,958.96	1,924.03	34.92	56.091		
3,900.00	3,561.36	3,738.63	3,698.43	27.47	14.07	-129.62	1,213.64	-804.87	1,992.48	1,956.11	36.37	54.788		
4,000.00	3,644.18	3,810.00	3,768.63	28.59	14.40	-130.22	1,223.54	-796.69	2,024.91	1,987.55	37.36	54.203		
4,100.00	3,726.99	3,874.96	3,832.75	29.72	14.68	-130.78	1,231.64	-790.22	2,058.70	2,020.43	38.27	53.790		
4,200.00	3,809.81	3,938.82	3,896.01	30.85	14.95	-131.35	1,238.75	-785.10	2,094.17	2,055.02	39.15	53.494		
4,300.00	3,892.62	4,007.93	3,964.51	31.98	15.24	-131.96	1,246.57	-780.25	2,130.94	2,090.91	40.04	53.226		
4,400.00	3,975.43	4,077.00	4,032.71	33.11	15.54	-132.50	1,256.35	-775.49	2,168.76	2,127.83	40.93	52.984		
4,500.00	4,058.25	4,137.97	4,092.77	34.24	15.82	-132.93	1,266.14	-771.73	2,207.84	2,166.06	41.78	52.845		
4,600.00	4,141.06	4,600.00	4,191.38	35.37	17.88	-133.64	1,281.99	-766.13	2,247.57	2,203.07	44.51	50.501		
4,700.00	4,223.87	4,336.75	4,288.89	36.50	16.70	-134.34	1,296.24	-759.92	2,286.68	2,242.71	43.97	52.011		
4,800.00	4,306.69	4,455.71	4,406.59	37.64	17.21	-135.19	1,311.70	-752.37	2,325.82	2,280.67	45.14	51.521		
4,900.00	4,389.50	4,530.45	4,480.43	38.77	17.54	-135.69	1,322.08	-747.12	2,364.73	2,318.69	46.04	51.365		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 586-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,472.32	4,639.23	4,587.54	39.91	18.03	-136.34	1,339.36	-739.37	2,404.08	2,356.89	47.19	50.944		
5,100.00	4,555.13	4,716.32	4,663.28	41.05	18.39	-136.77	1,352.41	-733.44	2,443.20	2,395.07	48.13	50.764		
5,200.00	4,637.94	4,782.53	4,728.53	42.18	18.68	-137.15	1,362.69	-728.96	2,483.15	2,434.18	48.96	50.717		
5,300.00	4,720.76	4,970.56	4,913.76	43.32	19.54	-138.19	1,391.59	-714.71	2,523.12	2,472.47	50.64	49.821		
5,400.00	4,803.57	5,045.45	4,987.37	44.46	19.88	-138.58	1,403.02	-706.97	2,560.23	2,508.69	51.54	49.674		
5,500.00	4,886.39	5,099.68	5,040.86	45.60	20.13	-138.88	1,410.64	-702.30	2,598.83	2,546.55	52.27	49.717		
5,600.00	4,969.20	5,168.40	5,108.86	46.74	20.42	-139.27	1,419.08	-697.20	2,638.52	2,585.45	53.06	49.723		
5,700.00	5,052.01	5,390.19	5,328.00	47.88	21.38	-140.50	1,446.02	-676.66	2,677.06	2,622.24	54.82	48.831		
5,800.00	5,134.83	5,477.27	5,413.62	49.02	21.78	-140.93	1,457.71	-665.90	2,712.78	2,657.02	55.76	48.649		
5,900.00	5,217.64	5,533.00	5,468.45	50.16	22.03	-141.20	1,465.40	-659.55	2,749.55	2,693.05	56.50	48.667		
6,000.00	5,300.45	5,581.36	5,516.06	51.30	22.25	-141.42	1,472.31	-654.70	2,787.73	2,730.56	57.17	48.762		
6,100.00	5,383.27	5,623.00	5,557.09	52.45	22.44	-141.61	1,478.46	-651.14	2,827.46	2,769.68	57.78	48.936		
6,200.00	5,466.08	5,682.87	5,616.21	53.59	22.70	-141.88	1,486.88	-646.86	2,868.51	2,810.02	58.49	49.042		
6,300.00	5,548.90	5,740.97	5,673.76	54.73	22.95	-142.16	1,494.11	-643.50	2,910.75	2,851.58	59.17	49.197		
6,400.00	5,631.71	5,826.39	5,758.45	55.87	23.30	-142.57	1,504.53	-639.32	2,953.91	2,893.88	60.03	49.211		
6,500.00	5,714.52	6,032.32	5,961.70	57.02	24.21	-143.44	1,533.38	-623.47	2,994.27	2,932.47	61.80	48.452		
6,600.00	5,797.34	6,108.81	6,036.85	58.16	24.57	-143.72	1,545.75	-616.36	3,033.91	2,971.25	62.66	48.417		
6,700.00	5,880.15	6,157.00	6,084.12	59.30	24.80	-143.87	1,554.15	-612.28	3,074.49	3,011.18	63.31	48.560		
6,800.00	5,962.96	6,211.30	6,137.46	60.45	25.05	-144.05	1,563.49	-608.36	3,116.26	3,052.26	64.00	48.695		
6,900.00	6,045.78	6,258.42	6,183.91	61.59	25.26	-144.22	1,570.96	-605.72	3,159.38	3,094.78	64.60	48.910		
7,000.00	6,128.59	6,312.77	6,237.65	62.73	25.49	-144.42	1,578.74	-603.30	3,203.61	3,138.38	65.22	49.116		
7,100.00	6,211.41	6,565.38	6,487.60	63.88	26.57	-145.40	1,611.36	-587.36	3,246.51	3,179.19	67.32	48.227		
7,200.00	6,294.22	6,653.65	6,574.60	65.02	26.97	-145.70	1,623.83	-579.11	3,286.56	3,218.34	68.22	48.177		
7,300.00	6,377.03	6,692.00	6,612.37	66.17	27.14	-145.83	1,629.59	-575.81	3,327.58	3,258.83	68.75	48.398		
7,400.00	6,459.85	6,752.92	6,672.42	67.31	27.41	-146.02	1,638.81	-571.28	3,369.64	3,300.19	69.45	48.517		
7,500.00	6,542.66	7,091.60	7,006.55	68.46	28.64	-147.68	1,653.05	-535.54	3,408.02	3,336.59	71.43	47.709		
7,600.00	6,625.48	7,138.00	7,051.53	69.60	28.73	-148.10	1,643.03	-530.23	3,446.00	3,374.26	71.74	48.032		
7,700.00	6,708.29	7,138.00	7,051.53	70.75	28.73	-148.10	1,643.03	-530.23	3,485.13	3,413.11	72.02	48.391		
7,800.00	6,791.10	7,138.00	7,051.53	71.89	28.73	-148.10	1,643.03	-530.23	3,526.65	3,454.40	72.25	48.813		
7,900.00	6,873.92	7,138.00	7,051.53	73.04	28.73	-148.10	1,643.03	-530.23	3,570.50	3,498.07	72.43	49.295		
8,000.00	6,956.73	7,138.00	7,051.53	74.18	28.73	-148.10	1,643.03	-530.23	3,616.58	3,544.00	72.57	49.834		
8,100.00	7,039.54	7,138.00	7,051.53	75.33	28.73	-148.10	1,643.03	-530.23	3,664.80	3,592.13	72.68	50.427		
8,165.32	7,093.63	7,178.91	7,090.87	76.08	28.76	-148.49	1,632.08	-527.96	3,695.68	3,622.92	72.76	50.794		
8,200.00	7,122.60	7,182.20	7,094.03	76.47	28.77	-155.36	1,631.14	-527.91	3,713.14	3,640.36	72.78	51.017		
8,250.00	7,165.05	7,187.11	7,098.73	77.01	28.77	-166.06	1,629.72	-527.87	3,738.86	3,666.05	72.81	51.353		
8,300.00	7,208.03	7,227.00	7,136.66	77.52	28.80	-177.66	1,617.47	-529.09	3,766.30	3,693.46	72.84	51.705		
8,350.00	7,251.22	7,227.00	7,136.66	77.99	28.80	170.74	1,617.47	-529.09	3,792.38	3,719.54	72.84	52.067		
8,400.00	7,294.28	7,227.00	7,136.66	78.41	28.80	159.30	1,617.47	-529.09	3,818.54	3,745.72	72.81	52.442		
8,450.00	7,336.90	7,227.00	7,136.66	78.78	28.80	148.46	1,617.47	-529.09	3,844.59	3,771.81	72.78	52.826		
8,500.00	7,378.73	7,227.00	7,136.66	79.10	28.80	138.51	1,617.47	-529.09	3,870.34	3,797.61	72.73	53.215		
8,550.00	7,419.47	7,227.00	7,136.66	79.37	28.80	129.59	1,617.47	-529.09	3,895.59	3,822.92	72.67	53.604		
8,600.00	7,458.81	7,227.00	7,136.66	79.59	28.80	121.71	1,617.47	-529.09	3,920.17	3,847.56	72.61	53.988		
8,650.00	7,496.44	7,227.00	7,136.66	79.76	28.80	114.83	1,617.47	-529.09	3,943.91	3,871.36	72.55	54.361		
8,700.00	7,532.08	7,227.00	7,136.66	79.88	28.80	108.84	1,617.47	-529.09	3,966.63	3,894.14	72.49	54.719		
8,750.00	7,565.46	7,227.00	7,136.66	79.95	28.80	103.67	1,617.47	-529.09	3,988.20	3,915.76	72.44	55.055		
8,800.00	7,596.33	7,227.00	7,136.66	79.98	28.80	99.20	1,617.47	-529.09	4,008.45	3,936.05	72.40	55.365		
8,850.00	7,624.44	7,264.77	7,172.14	79.97	28.81	95.73	1,604.90	-532.20	4,026.45	3,954.02	72.43	55.593		
8,900.00	7,649.59	7,272.61	7,179.45	79.93	28.81	92.58	1,602.19	-533.00	4,043.33	3,970.89	72.43	55.821		
8,950.00	7,671.59	7,280.04	7,186.37	79.84	28.82	89.95	1,599.59	-533.81	4,058.49	3,986.03	72.46	56.008		
9,000.00	7,690.26	9,000.00	7,217.12	79.73	28.88	88.07	1,587.76	-538.08	4,072.33	3,999.60	72.73	55.994		
9,050.00	7,705.47	7,495.00	7,374.76	79.59	28.76	88.14	1,499.78	-553.80	4,082.57	4,010.19	72.38	56.408		
9,100.00	7,717.09	7,532.35	7,404.22	79.43	28.72	87.19	1,476.92	-555.99	4,090.16	4,017.82	72.35	56.536		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 586-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,725.04	7,896.09	7,597.20	79.26	28.19	88.48	1,177.20	-559.55	4,093.78	4,023.77	70.01	58.477		
9,200.00	7,729.27	7,927.16	7,605.27	79.06	28.14	88.35	1,147.22	-558.32	4,093.77	4,023.85	69.92	58.550		
9,231.13	7,730.00	7,940.00	7,608.51	78.93	28.12	88.44	1,134.80	-557.85	4,092.73	4,022.79	69.93	58.523		
9,300.00	7,730.00	7,940.00	7,608.51	78.65	28.12	88.44	1,134.80	-557.85	4,090.21	4,019.99	70.22	58.250		
9,400.00	7,730.00	7,998.76	7,622.59	78.26	28.06	88.63	1,077.77	-556.55	4,087.36	4,017.14	70.22	58.204		
9,500.00	7,730.00	8,045.37	7,632.82	77.89	28.02	88.78	1,032.29	-556.58	4,086.41	4,016.05	70.36	58.077		
9,600.00	7,730.00	8,331.90	7,665.54	77.53	28.34	89.23	748.27	-548.11	4,081.37	4,011.97	69.40	58.807		
9,700.00	7,730.00	8,424.70	7,667.34	77.19	28.68	89.26	655.57	-543.94	4,076.52	4,006.87	69.65	58.531		
9,800.00	7,730.00	8,520.81	7,669.09	76.88	29.17	89.28	559.57	-539.77	4,071.81	4,001.77	70.04	58.137		
9,900.00	7,730.00	8,603.45	7,669.93	76.58	29.68	89.29	477.01	-536.28	4,067.26	3,996.68	70.58	57.624		
10,000.00	7,730.00	8,671.93	7,670.82	76.30	30.15	89.31	408.58	-533.86	4,063.38	3,992.16	71.22	57.054		
10,100.00	7,730.00	8,741.00	7,671.90	76.04	30.67	89.32	339.54	-532.03	4,060.34	3,988.40	71.94	56.439		
10,200.00	7,730.00	8,803.06	7,672.88	75.79	31.19	89.33	277.50	-530.91	4,058.14	3,985.41	72.74	55.792		
10,300.00	7,730.00	8,878.84	7,673.64	75.57	31.85	89.35	201.72	-530.09	4,056.70	3,983.05	73.65	55.078		
10,400.00	7,730.00	8,966.40	7,672.87	75.36	32.66	89.33	114.17	-529.50	4,055.70	3,980.98	74.72	54.281		
10,500.00	7,730.00	9,056.74	7,671.63	75.18	33.54	89.32	23.84	-529.09	4,054.92	3,979.01	75.91	53.419		
10,600.00	7,730.00	9,187.64	7,668.99	75.01	34.91	89.28	-107.02	-528.41	4,054.14	3,976.62	77.53	52.294		
10,700.00	7,730.00	9,287.32	7,668.14	74.86	36.03	89.27	-206.69	-527.39	4,052.79	3,973.72	79.07	51.254		
10,800.00	7,730.00	9,417.59	7,668.67	74.74	37.56	89.27	-336.95	-525.38	4,050.88	3,969.81	81.07	49.970		
10,900.00	7,730.00	9,530.79	7,668.69	74.64	38.94	89.27	-450.12	-523.18	4,048.60	3,965.57	83.03	48.760		
11,000.00	7,730.00	9,632.00	7,668.80	74.56	40.23	89.27	-551.30	-520.63	4,045.74	3,960.77	84.97	47.612		
11,100.00	7,730.00	9,688.52	7,668.77	74.51	40.97	89.27	-607.81	-519.49	4,043.56	3,957.14	86.42	46.792		
11,190.23	7,730.00	9,721.00	7,668.62	74.48	41.39	89.27	-640.29	-519.31	4,042.85	3,955.36	87.49	46.210		
11,200.00	7,730.00	9,721.00	7,668.62	74.48	41.39	89.27	-640.29	-519.31	4,042.86	3,955.31	87.56	46.174		
11,300.00	7,730.00	9,778.13	7,668.44	74.48	42.14	89.27	-697.42	-519.77	4,043.46	3,954.41	89.05	45.405		
11,400.00	7,730.00	9,830.17	7,668.39	74.50	42.84	89.27	-749.44	-520.98	4,045.41	3,954.91	90.50	44.700		
11,500.00	7,730.00	9,899.00	7,666.68	74.56	43.76	89.24	-818.21	-523.21	4,048.32	3,956.11	92.21	43.903		
11,600.00	7,730.00	10,135.83	7,654.77	74.66	47.05	89.08	-1,054.67	-528.12	4,050.46	3,953.85	96.61	41.925		
11,700.00	7,730.00	10,279.51	7,647.46	74.79	49.13	88.97	-1,198.16	-527.56	4,049.82	3,950.08	99.75	40.601		
11,800.00	7,730.00	10,421.42	7,641.01	74.96	51.23	88.88	-1,339.91	-525.28	4,047.90	3,944.92	102.98	39.308		
11,900.00	7,730.00	10,523.00	7,635.82	75.17	52.76	88.81	-1,441.33	-523.02	4,045.44	3,939.86	105.57	38.320		
12,000.00	7,730.00	10,585.22	7,632.66	75.43	53.70	88.76	-1,503.46	-521.91	4,043.50	3,936.03	107.48	37.622		
12,100.00	7,730.00	10,644.95	7,629.85	75.73	54.61	88.72	-1,563.12	-521.60	4,042.73	3,933.38	109.35	36.970		
12,139.82	7,730.00	10,671.74	7,628.59	75.87	55.02	88.70	-1,589.88	-521.62	4,042.66	3,932.50	110.16	36.698		
12,200.00	7,730.00	10,714.04	7,626.56	76.09	55.66	88.68	-1,632.13	-521.82	4,042.81	3,931.39	111.42	36.286		
12,300.00	7,730.00	10,792.40	7,622.59	76.51	56.86	88.62	-1,710.39	-522.55	4,043.52	3,929.84	113.68	35.569		
12,400.00	7,730.00	10,891.63	7,619.23	76.97	58.39	88.57	-1,809.54	-523.82	4,044.54	3,928.14	116.41	34.745		
12,500.00	7,730.00	11,002.12	7,616.53	77.50	60.11	88.53	-1,920.00	-524.98	4,045.31	3,925.90	119.41	33.878		
12,600.00	7,730.00	11,112.55	7,612.62	78.09	61.84	88.48	-2,030.35	-526.11	4,046.11	3,923.66	122.45	33.044		
12,700.00	7,730.00	11,242.48	7,606.70	78.74	63.89	88.40	-2,160.14	-526.48	4,046.16	3,920.22	125.94	32.127		
12,800.00	7,730.00	11,353.19	7,600.43	79.45	65.66	88.31	-2,270.67	-526.40	4,045.94	3,916.87	129.07	31.348		
12,900.00	7,730.00	11,506.55	7,594.93	80.22	68.13	88.23	-2,423.93	-524.84	4,044.64	3,911.46	133.18	30.369		
13,000.00	7,730.00	11,642.16	7,589.79	81.05	70.33	88.15	-2,559.41	-522.05	4,042.37	3,905.40	136.96	29.515		
13,100.00	7,730.00	11,749.39	7,584.81	81.94	72.08	88.08	-2,666.48	-519.16	4,039.48	3,899.34	140.14	28.825		
13,200.00	7,730.00	11,822.60	7,582.95	82.87	73.28	88.05	-2,739.65	-517.41	4,036.86	3,894.29	142.57	28.315		
13,300.00	7,730.00	11,927.05	7,582.92	83.86	75.00	88.05	-2,844.08	-515.65	4,034.85	3,889.10	145.75	27.683		
13,400.00	7,730.00	12,046.12	7,582.25	84.90	76.97	88.04	-2,963.11	-512.91	4,032.22	3,882.93	149.29	27.009		
13,500.00	7,730.00	12,127.00	7,582.44	85.97	78.31	88.04	-3,043.97	-511.11	4,029.65	3,877.68	151.97	26.517		
13,600.00	7,730.00	12,170.84	7,583.37	87.09	79.03	88.06	-3,087.79	-510.56	4,028.00	3,874.24	153.76	26.197		
13,649.89	7,730.00	12,192.01	7,583.99	87.67	79.38	88.06	-3,108.96	-510.53	4,027.71	3,873.08	154.63	26.047		
13,700.00	7,730.00	12,222.41	7,584.59	88.25	79.89	88.07	-3,126.53	-510.61	4,027.78	3,872.16	155.62	25.882		
13,800.00	7,730.00	12,311.24	7,588.45	89.44	81.35	88.13	-3,228.09	-511.68	4,028.36	3,869.75	158.61	25.397		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 586-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,900.00	7,730.00	12,433.64	7,592.60	90.66	83.39	88.19	-3,350.42	-512.44	4,028.52	3,866.16	162.35	24.813		
13,930.10	7,730.00	12,463.43	7,593.44	91.04	83.88	88.20	-3,380.20	-512.56	4,028.52	3,865.21	163.31	24.668		
14,000.00	7,730.00	12,517.96	7,594.78	91.92	84.79	88.22	-3,434.72	-512.86	4,028.61	3,863.46	165.15	24.394		
14,100.00	7,730.00	12,602.71	7,596.19	93.20	86.20	88.24	-3,519.45	-513.82	4,029.33	3,861.37	167.96	23.990		
14,200.00	7,730.00	12,713.93	7,597.09	94.50	88.06	88.25	-3,630.66	-514.78	4,029.82	3,858.37	171.45	23.505		
14,300.00	7,730.00	12,803.22	7,596.98	95.83	89.55	88.25	-3,719.94	-515.61	4,030.42	3,856.03	174.38	23.112		
14,400.00	7,730.00	12,890.17	7,596.11	97.17	91.00	88.24	-3,806.89	-516.67	4,031.32	3,854.06	177.26	22.742		
14,500.00	7,730.00	12,983.97	7,594.56	98.54	92.57	88.22	-3,900.66	-518.05	4,032.51	3,852.19	180.32	22.363		
14,600.00	7,730.00	13,100.78	7,592.22	99.92	94.53	88.18	-4,017.44	-519.63	4,033.60	3,849.62	183.99	21.923		
14,700.00	7,730.00	13,189.96	7,590.11	101.32	96.03	88.16	-4,106.58	-520.69	4,034.52	3,847.58	186.94	21.582		
14,800.00	7,730.00	13,339.91	7,589.65	102.74	98.57	88.15	-4,256.52	-521.84	4,034.96	3,843.44	191.51	21.069		
14,873.81	7,730.00	13,407.28	7,590.23	103.80	99.71	88.16	-4,323.89	-521.93	4,034.79	3,841.02	193.77	20.823		
14,900.00	7,730.00	13,424.79	7,590.35	104.17	100.00	88.16	-4,341.39	-522.01	4,034.82	3,840.42	194.40	20.755		
15,000.00	7,730.00	13,464.00	7,590.58	105.62	100.67	88.16	-4,380.60	-522.33	4,035.59	3,839.52	196.07	20.582		
15,100.00	7,730.00	13,522.99	7,590.73	107.07	101.66	88.16	-4,439.58	-523.55	4,037.51	3,839.28	198.24	20.367		
15,200.00	7,730.00	13,584.89	7,590.56	108.54	102.70	88.16	-4,501.43	-525.91	4,040.90	3,840.43	200.47	20.157		
15,300.00	7,730.00	13,772.85	7,589.33	110.02	105.87	88.15	-4,689.29	-531.71	4,043.82	3,837.66	206.16	19.615		
15,400.00	7,730.00	13,921.22	7,589.18	111.51	108.39	88.15	-4,837.65	-533.55	4,044.73	3,833.95	210.78	19.190		
15,500.00	7,730.00	14,064.73	7,590.97	113.01	110.85	88.17	-4,981.14	-532.99	4,043.72	3,828.45	215.28	18.784		
15,582.56	7,730.00	14,109.05	7,591.70	114.25	111.61	88.18	-5,025.46	-532.97	4,043.42	3,826.40	217.01	18.632		
15,600.00	7,730.00	14,116.39	7,591.84	114.52	111.73	88.18	-5,032.79	-533.02	4,043.47	3,826.15	217.32	18.606		
15,700.00	7,730.00	14,176.00	7,593.23	116.04	112.75	88.20	-5,092.38	-534.12	4,044.70	3,825.14	219.56	18.422		
15,800.00	7,730.00	14,221.46	7,594.46	117.56	113.52	88.22	-5,137.80	-535.50	4,047.04	3,825.65	221.38	18.281		
15,900.00	7,730.00	14,312.81	7,596.93	119.09	115.07	88.26	-5,229.07	-538.61	4,050.01	3,825.52	224.49	18.041		
16,000.00	7,730.00	14,411.49	7,599.73	120.63	116.75	88.30	-5,327.65	-541.95	4,052.97	3,825.16	227.80	17.792		
16,100.00	7,730.00	14,622.00	7,603.54	122.18	120.35	88.35	-5,538.08	-545.34	4,053.71	3,819.45	234.26	17.305		
16,200.00	7,730.00	14,693.48	7,604.21	123.73	121.58	88.36	-5,609.55	-545.87	4,054.16	3,817.32	236.84	17.118		
16,300.00	7,730.00	14,908.52	7,606.41	125.29	125.28	88.39	-5,824.57	-545.66	4,053.65	3,810.30	243.34	16.658		
16,400.00	7,730.00	15,028.00	7,607.07	126.86	127.35	88.40	-5,944.03	-543.62	4,051.60	3,804.35	247.25	16.387		
16,500.00	7,730.00	15,161.80	7,607.35	128.43	129.67	88.40	-6,077.79	-540.45	4,048.89	3,797.36	251.53	16.097		
16,600.00	7,730.00	15,203.25	7,607.50	130.01	130.39	88.41	-6,119.23	-539.63	4,046.50	3,793.11	253.38	15.970		
16,700.00	7,730.00	15,249.63	7,607.95	131.59	131.19	88.41	-6,165.61	-539.33	4,045.47	3,790.14	255.33	15.844		
16,800.00	7,730.00	15,332.65	7,609.07	133.18	132.62	88.43	-6,248.62	-539.50	4,045.30	3,787.03	258.26	15.664		
16,842.22	7,730.00	15,384.73	7,609.83	133.85	133.52	88.44	-6,300.70	-539.65	4,045.26	3,785.29	259.97	15.560		
16,900.00	7,730.00	15,464.50	7,611.01	134.77	134.90	88.46	-6,380.46	-539.60	4,045.01	3,782.47	262.55	15.407		
17,000.00	7,730.00	15,580.73	7,612.11	136.37	136.92	88.47	-6,496.68	-538.77	4,043.92	3,777.52	266.40	15.180		
17,100.00	7,730.00	15,674.95	7,612.50	137.97	138.55	88.48	-6,590.89	-538.06	4,042.82	3,773.17	269.66	14.993		
17,200.00	7,730.00	15,794.94	7,612.45	139.57	140.63	88.47	-6,710.88	-537.02	4,041.62	3,768.01	273.61	14.771		
17,300.00	7,730.00	15,940.03	7,611.57	141.18	143.15	88.46	-6,855.95	-534.63	4,039.70	3,761.46	278.24	14.519		
17,400.00	7,730.00	16,047.00	7,610.55	142.79	145.02	88.45	-6,962.87	-531.71	4,036.64	3,754.79	281.84	14.322		
17,500.00	7,730.00	16,102.92	7,609.96	144.41	145.99	88.44	-7,018.77	-530.45	4,034.22	3,750.13	284.08	14.201		
17,600.00	7,730.00	16,156.82	7,609.60	146.03	146.93	88.43	-7,072.67	-530.10	4,033.17	3,746.93	286.24	14.090		
17,700.00	7,730.00	16,241.80	7,609.01	147.65	148.40	88.42	-7,157.64	-530.08	4,032.82	3,743.59	289.24	13.943		
17,799.35	7,730.00	16,333.57	7,608.02	149.27	149.99	88.41	-7,249.41	-530.21	4,032.67	3,740.25	292.42	13.791		
17,800.00	7,730.00	16,334.04	7,608.02	149.28	150.00	88.41	-7,249.89	-530.21	4,032.67	3,740.23	292.44	13.790		
17,900.00	7,730.00	16,407.05	7,608.54	150.91	151.27	88.42	-7,322.89	-530.73	4,033.01	3,737.91	295.10	13.667		
18,000.00	7,730.00	16,491.03	7,610.70	152.54	152.72	88.45	-7,406.83	-531.80	4,033.88	3,735.81	298.07	13.533		
18,100.00	7,730.00	16,584.88	7,613.86	154.18	154.35	88.49	-7,500.62	-533.29	4,035.04	3,733.70	301.34	13.390		
18,200.00	7,730.00	16,689.92	7,617.77	155.82	156.17	88.45	-7,605.57	-534.94	4,036.17	3,731.24	304.94	13.236		
18,300.00	7,730.00	16,785.25	7,621.67	157.46	157.83	88.60	-7,700.81	-536.48	4,037.35	3,729.10	308.25	13.098		
18,400.00	7,730.00	16,893.76	7,626.30	159.11	159.71	88.67	-7,809.21	-538.23	4,038.53	3,726.57	311.96	12.946		
18,500.00	7,730.00	16,983.27	7,628.58	160.75	161.26	88.70	-7,898.68	-539.45	4,039.52	3,724.42	315.10	12.820		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 586-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,600.00	7,730.00	17,057.81	7,629.66	162.40	162.55	88.72	-7,973.19	-540.95	4,041.14	3,723.35	317.79	12.716	
18,700.00	7,730.00	17,141.91	7,630.72	164.05	164.01	88.73	-8,057.27	-543.03	4,043.25	3,722.50	320.75	12.605	
18,800.00	7,730.00	17,226.62	7,631.49	165.71	165.47	88.75	-8,141.93	-545.41	4,045.71	3,721.98	323.73	12.497	
18,900.00	7,730.00	17,307.22	7,631.89	167.36	166.87	88.75	-8,222.48	-548.07	4,048.65	3,722.08	326.57	12.397	
18,942.39	7,730.00	17,349.39	7,631.96	168.07	167.60	88.75	-8,264.63	-549.54	4,049.99	3,721.97	328.02	12.347 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 229-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-53.19	786.52	-1,050.82	1,312.60					
100.00	100.00	89.50	89.50	0.13	0.14	-53.19	786.51	-1,050.84	1,312.58	1,312.30	0.28	4,708.572	CC	
200.00	200.00	188.95	188.95	0.49	0.30	-53.19	786.49	-1,050.93	1,312.64	1,311.84	0.80	1,645.726		
300.00	300.00	285.55	285.55	0.85	0.57	-53.19	786.51	-1,051.11	1,312.81	1,311.39	1.42	923.585		
400.00	400.00	380.22	380.22	1.21	0.91	-53.19	786.86	-1,051.50	1,313.35	1,311.23	2.12	620.663	ES	
500.00	500.00	474.88	474.87	1.57	1.24	-53.18	787.55	-1,052.10	1,314.30	1,311.49	2.81	467.626		
600.00	600.00	569.53	569.52	1.93	1.58	-53.17	788.59	-1,052.92	1,315.65	1,312.15	3.50	375.371		
700.00	700.00	670.35	670.33	2.29	1.94	-53.15	789.80	-1,053.95	1,317.19	1,312.97	4.22	312.019		
800.00	800.00	766.82	766.78	2.64	2.28	-53.14	791.07	-1,054.97	1,318.82	1,313.90	4.92	267.877		
900.00	899.98	879.59	879.48	3.00	2.68	-112.61	794.79	-1,054.14	1,320.91	1,315.23	5.67	232.878		
1,000.00	999.84	987.09	986.63	3.35	3.05	-112.42	801.84	-1,049.28	1,323.24	1,316.84	6.40	206.675		
1,100.00	1,099.45	1,083.02	1,082.14	3.71	3.40	-112.30	809.16	-1,044.20	1,326.95	1,319.85	7.11	186.755		
1,200.00	1,198.70	1,203.75	1,202.26	4.08	3.84	-112.29	818.77	-1,036.83	1,331.58	1,323.67	7.91	168.274		
1,300.00	1,297.47	1,301.31	1,299.35	4.47	4.20	-112.39	825.86	-1,030.47	1,336.76	1,328.10	8.66	154.444		
1,400.00	1,395.62	1,404.18	1,401.41	4.87	4.59	-112.51	835.29	-1,021.76	1,342.85	1,333.41	9.44	142.184		
1,500.00	1,493.06	1,503.52	1,499.80	5.31	4.99	-112.67	845.73	-1,012.92	1,350.77	1,340.52	10.26	131.715		
1,600.00	1,589.64	1,598.80	1,593.67	5.77	5.37	-112.78	858.01	-1,002.16	1,359.57	1,348.48	11.09	122.573		
1,700.00	1,685.27	1,674.37	1,668.05	6.28	5.69	-112.87	868.70	-994.09	1,371.01	1,359.12	11.89	115.351		
1,800.00	1,779.82	1,755.17	1,747.58	6.83	6.03	-113.03	880.92	-986.80	1,385.68	1,372.94	12.74	108.784		
1,900.00	1,873.17	1,860.79	1,851.33	7.43	6.49	-113.38	897.88	-976.65	1,401.94	1,388.20	13.75	101.975		
2,000.00	1,965.21	1,943.18	1,932.26	8.08	6.85	-113.64	911.07	-968.56	1,419.62	1,404.93	14.69	96.607		
2,100.00	2,055.84	2,023.63	2,011.37	8.79	7.20	-113.96	924.25	-962.27	1,440.61	1,424.94	15.67	91.925		
2,200.00	2,144.94	2,177.90	2,162.77	9.56	7.89	-115.01	949.70	-947.18	1,462.09	1,445.03	17.06	85.705		
2,300.00	2,232.39	2,248.41	2,231.90	10.39	8.21	-115.33	961.09	-939.33	1,483.84	1,465.75	18.09	82.028		
2,400.00	2,318.11	2,321.69	2,303.77	11.30	8.55	-115.68	973.34	-931.95	1,508.70	1,489.53	19.17	78.712		
2,504.60	2,405.78	2,394.46	2,375.18	12.31	8.88	-116.03	985.82	-925.60	1,538.18	1,517.87	20.31	75.743		
2,600.00	2,484.79	2,461.34	2,440.82	13.28	9.18	-116.88	997.63	-920.67	1,567.61	1,546.25	21.36	73.385		
2,700.00	2,567.60	2,533.55	2,511.75	14.32	9.51	-117.78	1,010.42	-916.19	1,600.02	1,577.55	22.47	71.213		
2,800.00	2,650.41	2,609.22	2,586.16	15.37	9.84	-118.72	1,023.70	-912.52	1,634.03	1,610.45	23.59	69.281		
2,900.00	2,733.23	2,734.46	2,709.08	16.44	10.41	-120.17	1,046.44	-905.00	1,667.95	1,642.94	25.01	66.699		
3,000.00	2,816.04	2,850.46	2,822.72	17.52	10.95	-121.41	1,067.61	-895.38	1,700.46	1,674.08	26.38	64.463		
3,100.00	2,898.85	2,992.40	2,962.18	18.60	11.60	-122.93	1,089.72	-881.06	1,730.74	1,702.87	27.87	62.110		
3,200.00	2,981.67	3,200.00	3,074.14	19.69	12.54	-124.15	1,105.38	-868.58	1,760.47	1,730.88	29.58	59.509		
3,300.00	3,064.48	3,206.29	3,172.69	20.79	12.57	-125.20	1,118.16	-856.16	1,789.07	1,758.69	30.38	58.899		
3,400.00	3,147.30	3,307.67	3,272.65	21.90	13.01	-126.26	1,130.15	-844.31	1,818.56	1,786.99	31.57	57.610		
3,500.00	3,230.11	3,411.04	3,374.30	23.00	13.48	-127.27	1,143.42	-830.99	1,847.78	1,815.01	32.77	56.385		
3,600.00	3,312.92	3,471.44	3,433.74	24.12	13.75	-127.84	1,151.22	-823.63	1,878.01	1,844.27	33.74	55.660		
3,700.00	3,395.74	3,557.54	3,518.53	25.23	14.14	-128.64	1,162.51	-813.89	1,909.51	1,874.68	34.83	54.823		
3,800.00	3,478.55	3,630.14	3,589.92	26.35	14.47	-129.28	1,172.81	-805.67	1,941.72	1,905.88	35.84	54.184		
3,900.00	3,561.36	3,717.40	3,676.04	27.47	14.86	-130.07	1,183.92	-797.04	1,975.15	1,938.25	36.90	53.529		
4,000.00	3,644.18	3,841.89	3,798.37	28.59	15.44	-131.08	1,202.13	-782.84	2,008.09	1,969.89	38.19	52.579		
4,100.00	3,726.99	3,898.46	3,853.92	29.72	15.69	-131.51	1,210.58	-776.29	2,041.22	2,002.15	39.08	52.238		
4,200.00	3,809.81	3,963.00	3,917.58	30.85	15.99	-132.04	1,219.32	-770.29	2,076.27	2,036.30	39.98	51.936		
4,300.00	3,892.62	4,069.11	4,022.25	31.98	16.46	-132.87	1,233.81	-760.67	2,112.03	2,070.91	41.11	51.371		
4,400.00	3,975.43	4,148.40	4,100.28	33.11	16.82	-133.45	1,245.57	-753.02	2,147.69	2,105.60	42.10	51.018		
4,500.00	4,058.25	4,241.77	4,192.14	34.24	17.25	-134.10	1,259.68	-743.95	2,183.62	2,140.46	43.16	50.588		
4,600.00	4,141.06	4,329.49	4,278.30	35.37	17.65	-134.68	1,273.60	-735.20	2,219.69	2,175.49	44.20	50.223		
4,700.00	4,223.87	4,388.84	4,336.74	36.50	17.92	-135.07	1,282.51	-729.89	2,256.75	2,211.73	45.02	50.130		
4,800.00	4,306.69	4,513.55	4,459.64	37.64	18.48	-135.90	1,300.46	-718.85	2,294.03	2,247.78	46.26	49.594		
4,900.00	4,389.50	4,571.63	4,516.85	38.77	18.75	-136.27	1,309.05	-713.59	2,331.41	2,284.36	47.05	49.550		
5,000.00	4,472.32	4,698.97	4,642.51	39.91	19.32	-137.08	1,326.35	-702.49	2,369.21	2,320.93	48.28	49.073		
5,100.00	4,555.13	4,792.91	4,734.91	41.05	19.74	-137.64	1,340.14	-692.73	2,405.76	2,356.46	49.30	48.798		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 229-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,854.00	4,795.15	42.18	20.02	-138.00	1,348.70	-687.15	2,443.48	2,393.39	50.09	48.781		
5,300.00	4,720.76	5,007.69	4,946.10	43.32	20.74	-138.82	1,372.14	-670.39	2,479.58	2,428.06	51.52	48.128		
5,400.00	4,803.57	5,070.49	5,007.73	44.46	21.03	-139.14	1,381.93	-663.43	2,516.15	2,463.82	52.33	48.079		
5,500.00	4,886.39	5,141.57	5,077.76	45.60	21.36	-139.53	1,392.05	-656.65	2,554.05	2,500.87	53.18	48.028		
5,600.00	4,969.20	5,249.45	5,183.82	46.74	21.85	-140.07	1,408.24	-645.39	2,591.33	2,537.06	54.28	47.744		
5,700.00	5,052.01	5,417.16	5,348.74	47.88	22.63	-140.90	1,432.08	-626.63	2,628.46	2,572.72	55.74	47.154		
5,800.00	5,134.83	5,477.00	5,407.46	49.02	22.91	-141.18	1,440.76	-619.03	2,664.08	2,607.56	56.52	47.138		
5,900.00	5,217.64	5,530.58	5,460.16	50.16	23.15	-141.44	1,448.19	-612.94	2,701.01	2,643.79	57.22	47.201		
6,000.00	5,300.45	5,603.71	5,532.33	51.30	23.48	-141.80	1,457.71	-605.85	2,739.41	2,681.37	58.04	47.198		
6,100.00	5,383.27	5,687.74	5,615.07	52.45	23.86	-142.19	1,469.55	-597.29	2,777.66	2,718.73	58.93	47.133		
6,200.00	5,466.08	5,744.00	5,670.66	53.59	24.11	-142.46	1,476.73	-592.35	2,817.16	2,757.55	59.62	47.256		
6,300.00	5,548.90	5,849.88	5,775.36	54.73	24.57	-142.97	1,489.69	-583.42	2,857.19	2,796.57	60.62	47.131		
6,400.00	5,631.71	5,942.41	5,866.23	55.87	25.00	-143.32	1,504.70	-574.67	2,896.52	2,834.92	61.60	47.023		
6,500.00	5,714.52	5,989.29	5,912.27	57.02	25.22	-143.49	1,512.57	-570.70	2,936.87	2,874.64	62.23	47.194		
6,600.00	5,797.34	6,121.85	6,042.64	58.16	25.83	-143.98	1,533.77	-559.49	2,977.27	2,913.76	63.51	46.880		
6,700.00	5,880.15	6,164.64	6,084.78	59.30	26.02	-144.14	1,540.28	-555.93	3,017.87	2,953.79	64.09	47.091		
6,800.00	5,962.96	6,279.95	6,198.58	60.45	26.53	-144.58	1,556.79	-547.42	3,059.55	2,994.35	65.19	46.930		
6,900.00	6,045.78	6,355.11	6,272.76	61.59	26.87	-144.87	1,567.28	-541.32	3,100.50	3,034.51	65.99	46.983		
7,000.00	6,128.59	6,491.41	6,407.41	62.73	27.47	-145.40	1,584.95	-529.69	3,141.21	3,074.00	67.22	46.734		
7,100.00	6,211.41	7,100.00	6,547.07	63.88	30.29	-145.88	1,605.92	-514.79	3,180.05	3,109.50	70.55	45.075		
7,200.00	6,294.22	6,690.72	6,603.36	65.02	28.39	-146.07	1,614.48	-508.50	3,218.85	3,149.65	69.20	46.514		
7,300.00	6,377.03	6,724.00	6,636.04	66.17	28.54	-146.17	1,619.94	-505.39	3,259.19	3,189.49	69.70	46.758		
7,400.00	6,459.85	6,774.37	6,685.60	67.31	28.77	-146.32	1,628.07	-501.43	3,300.88	3,230.56	70.32	46.942		
7,500.00	6,542.66	6,943.48	6,852.29	68.46	29.53	-146.85	1,653.32	-488.41	3,343.09	3,271.24	71.85	46.532		
7,600.00	6,625.48	7,438.00	7,334.75	69.60	31.49	-149.17	1,674.21	-412.36	3,377.58	3,303.27	74.31	45.450		
7,700.00	6,708.29	7,438.00	7,334.75	70.75	31.49	-149.17	1,674.21	-412.36	3,408.69	3,333.95	74.73	45.611		
7,800.00	6,791.10	7,478.14	7,372.51	71.89	31.54	-149.56	1,663.03	-404.68	3,441.40	3,366.39	75.01	45.879		
7,900.00	6,873.92	7,527.00	7,417.87	73.04	31.60	-150.08	1,646.38	-397.51	3,477.23	3,402.02	75.21	46.233		
8,000.00	6,956.73	7,527.00	7,417.87	74.18	31.60	-150.08	1,646.38	-397.51	3,514.06	3,438.55	75.50	46.541		
8,100.00	7,039.54	7,527.00	7,417.87	75.33	31.60	-150.08	1,646.38	-397.51	3,553.32	3,477.57	75.75	46.911		
8,165.32	7,093.63	7,527.00	7,417.87	76.08	31.60	-150.08	1,646.38	-397.51	3,580.24	3,504.36	75.88	47.183		
8,200.00	7,122.60	7,527.00	7,417.87	76.47	31.60	-156.52	1,646.38	-397.51	3,594.99	3,519.05	75.94	47.339		
8,250.00	7,165.05	7,527.00	7,417.87	77.01	31.60	-166.61	1,646.38	-397.51	3,616.84	3,540.82	76.02	47.578		
8,300.00	7,208.03	7,527.00	7,417.87	77.52	31.60	-177.41	1,646.38	-397.51	3,639.24	3,563.16	76.08	47.835		
8,350.00	7,251.22	7,527.00	7,417.87	77.99	31.60	171.48	1,646.38	-397.51	3,661.99	3,585.87	76.12	48.107		
8,400.00	7,294.28	7,566.79	7,454.08	78.41	31.60	160.35	1,630.35	-393.69	3,683.64	3,607.58	76.06	48.430		
8,450.00	7,336.90	7,573.99	7,460.54	78.78	31.60	150.00	1,627.21	-393.22	3,706.07	3,630.01	76.06	48.725		
8,500.00	7,378.73	7,616.00	7,497.58	79.10	31.61	140.45	1,607.47	-391.81	3,729.23	3,653.28	75.95	49.101		
8,550.00	7,419.47	7,616.00	7,497.58	79.37	31.61	132.05	1,607.47	-391.81	3,750.60	3,674.65	75.95	49.380		
8,600.00	7,458.81	7,616.00	7,497.58	79.59	31.61	124.64	1,607.47	-391.81	3,771.48	3,695.53	75.95	49.656		
8,650.00	7,496.44	7,616.00	7,497.58	79.76	31.61	118.16	1,607.47	-391.81	3,791.71	3,715.76	75.95	49.925		
8,700.00	7,532.08	7,616.00	7,497.58	79.88	31.61	112.53	1,607.47	-391.81	3,811.15	3,735.21	75.94	50.183		
8,750.00	7,565.46	7,616.00	7,497.58	79.95	31.61	107.65	1,607.47	-391.81	3,829.67	3,753.72	75.95	50.426		
8,800.00	7,596.33	7,616.00	7,497.58	79.98	31.61	103.44	1,607.47	-391.81	3,847.13	3,771.17	75.96	50.648		
8,850.00	7,624.44	7,656.17	7,532.00	79.97	31.58	100.08	1,586.76	-391.85	3,862.91	3,787.05	75.86	50.920		
8,900.00	7,649.59	7,673.58	7,546.66	79.93	31.57	97.16	1,577.37	-392.04	3,877.40	3,801.55	75.85	51.119		
8,950.00	7,671.59	7,705.00	7,572.68	79.84	31.55	94.84	1,559.78	-392.67	3,890.40	3,814.60	75.81	51.321		
9,000.00	7,690.26	7,770.37	7,625.06	79.73	31.49	93.28	1,520.71	-393.81	3,901.63	3,826.01	75.62	51.594		
9,050.00	7,705.47	7,904.72	7,723.84	79.59	31.33	92.67	1,429.84	-393.19	3,909.78	3,834.75	75.03	52.109		
9,100.00	7,717.09	7,954.68	7,756.65	79.43	31.26	91.87	1,392.17	-392.41	3,915.68	3,840.82	74.87	52.302		
9,150.00	7,725.04	7,973.00	7,768.05	79.26	31.23	91.23	1,377.84	-392.10	3,919.66	3,844.74	74.92	52.316		
9,200.00	7,729.27	7,998.27	7,783.22	79.06	31.19	91.01	1,357.64	-391.82	3,921.89	3,846.93	74.96	52.322		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 229-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	8,007.63	7,788.67	78.93	31.17	91.00	1,350.03	-391.79	3,922.46	3,847.42	75.03	52.277		
9,300.00	7,730.00	8,028.55	7,800.51	78.65	31.14	91.18	1,332.78	-391.88	3,923.47	3,848.25	75.21	52.164		
9,400.00	7,730.00	8,183.09	7,873.28	78.26	30.86	92.24	1,196.72	-392.93	3,925.63	3,851.05	74.57	52.640		
9,500.00	7,730.00	8,373.97	7,928.00	77.89	30.54	93.04	1,014.21	-392.83	3,927.30	3,853.56	73.75	53.255		
9,600.00	7,730.00	8,462.35	7,937.07	77.53	30.43	93.17	926.36	-391.64	3,926.22	3,852.52	73.70	53.275		
9,651.60	7,730.00	8,490.67	7,938.27	77.35	30.41	93.19	898.07	-391.58	3,926.07	3,852.26	73.81	53.194		
9,700.00	7,730.00	8,529.59	7,939.01	77.19	30.39	93.20	859.15	-391.77	3,926.17	3,852.33	73.84	53.170		
9,800.00	7,730.00	8,657.68	7,942.08	76.88	30.54	93.24	731.10	-391.93	3,926.11	3,852.27	73.84	53.169		
9,871.12	7,730.00	8,710.40	7,943.45	76.66	30.71	93.26	678.39	-391.80	3,925.83	3,851.73	74.10	52.983		
9,900.00	7,730.00	8,724.75	7,943.82	76.58	30.77	93.27	664.05	-391.85	3,925.88	3,851.67	74.22	52.896		
10,000.00	7,730.00	8,776.49	7,945.14	76.30	31.00	93.29	612.33	-392.49	3,926.90	3,852.21	74.69	52.577		
10,100.00	7,730.00	8,997.13	7,951.97	76.04	32.39	93.39	391.82	-392.10	3,926.09	3,850.74	75.35	52.105		
10,200.00	7,730.00	9,095.00	7,951.98	75.79	33.14	93.39	293.95	-391.17	3,924.79	3,848.61	76.18	51.520		
10,300.00	7,730.00	9,174.81	7,951.99	75.57	33.80	93.39	214.15	-390.35	3,923.47	3,846.40	77.08	50.904		
10,400.00	7,730.00	10,400.00	7,954.11	75.36	45.35	93.42	105.10	-389.61	3,922.58	3,834.50	88.08	44.534		
10,500.00	7,730.00	9,349.46	7,955.54	75.18	35.40	93.44	39.54	-388.99	3,921.60	3,842.33	79.27	49.474		
10,515.72	7,730.00	9,355.22	7,955.65	75.15	35.45	93.45	33.78	-389.00	3,921.58	3,842.17	79.41	49.386		
10,600.00	7,730.00	9,398.00	7,956.41	75.01	35.87	93.46	-8.99	-389.50	3,922.20	3,841.98	80.22	48.893		
10,700.00	7,730.00	9,578.11	7,959.92	74.86	37.74	93.51	-189.05	-390.76	3,923.03	3,840.69	82.34	47.644		
10,800.00	7,730.00	10,800.00	7,964.36	74.74	51.96	93.57	-360.42	-387.25	3,920.58	3,823.80	96.78	40.511		
10,900.00	7,730.00	9,796.86	7,965.55	74.64	40.25	93.59	-407.67	-386.19	3,918.31	3,832.37	85.94	45.592		
11,000.00	7,730.00	9,843.00	7,967.16	74.56	40.80	93.62	-453.79	-386.03	3,917.68	3,830.54	87.14	44.959		
11,003.28	7,730.00	9,843.00	7,967.16	74.56	40.80	93.62	-453.79	-386.03	3,917.68	3,830.52	87.16	44.947		
11,100.00	7,730.00	9,925.12	7,970.46	74.51	41.81	93.67	-535.84	-386.46	3,918.07	3,829.24	88.83	44.110		
11,200.00	7,730.00	10,071.77	7,973.31	74.48	43.66	93.71	-682.45	-386.97	3,918.37	3,826.91	91.46	42.844		
11,300.00	7,730.00	10,172.62	7,973.60	74.48	44.97	93.71	-783.29	-386.03	3,917.12	3,823.55	93.57	41.863		
11,400.00	7,730.00	10,332.51	7,969.87	74.50	47.12	93.66	-943.13	-384.84	3,916.11	3,819.43	96.68	40.507		
11,500.00	7,730.00	10,424.79	7,966.97	74.56	48.39	93.62	-1,035.34	-382.83	3,913.43	3,814.60	98.84	39.595		
11,600.00	7,730.00	10,481.18	7,965.34	74.66	49.18	93.60	-1,091.71	-382.22	3,911.83	3,811.39	100.44	38.945		
11,700.00	7,730.00	10,541.12	7,964.32	74.79	50.02	93.58	-1,151.64	-382.16	3,911.29	3,809.16	102.13	38.296		
11,702.77	7,730.00	10,542.78	7,964.31	74.79	50.04	93.58	-1,153.30	-382.17	3,911.29	3,809.11	102.18	38.278		
11,800.00	7,730.00	10,604.69	7,964.29	74.96	50.92	93.58	-1,215.21	-382.67	3,911.74	3,807.83	103.91	37.645		
11,900.00	7,730.00	10,764.16	7,968.74	75.17	53.21	93.65	-1,374.59	-383.73	3,912.46	3,804.94	107.52	36.389		
12,000.00	7,730.00	10,907.52	7,973.50	75.43	55.32	93.72	-1,517.87	-382.19	3,911.25	3,800.30	110.95	35.252		
12,100.00	7,730.00	11,028.04	7,974.94	75.73	57.13	93.74	-1,638.35	-380.08	3,909.24	3,795.23	114.01	34.290		
12,200.00	7,730.00	11,098.12	7,973.55	76.09	58.19	93.72	-1,708.41	-379.13	3,907.40	3,791.32	116.09	33.660		
12,300.00	7,730.00	11,219.20	7,969.50	76.51	60.03	93.66	-1,829.42	-377.78	3,905.76	3,786.53	119.23	32.758		
12,400.00	7,730.00	11,327.49	7,966.20	76.97	61.70	93.62	-1,937.64	-375.94	3,903.52	3,781.35	122.17	31.953		
12,500.00	7,730.00	11,411.01	7,964.16	77.50	63.00	93.59	-2,021.12	-374.63	3,901.47	3,776.86	124.62	31.308		
12,600.00	7,730.00	11,487.37	7,962.60	78.09	64.18	93.57	-2,097.46	-373.82	3,899.95	3,773.02	126.93	30.725		
12,700.00	7,730.00	11,558.00	7,961.28	78.74	65.29	93.55	-2,168.08	-373.55	3,899.12	3,769.98	129.14	30.194		
12,754.70	7,730.00	11,595.19	7,960.65	79.12	65.87	93.54	-2,205.26	-373.63	3,898.99	3,768.68	130.32	29.919		
12,800.00	7,730.00	11,625.72	7,960.17	79.45	66.35	93.53	-2,235.79	-373.82	3,899.08	3,767.80	131.28	29.699		
12,900.00	7,730.00	11,689.25	7,959.32	80.22	67.34	93.52	-2,299.31	-374.61	3,899.91	3,766.57	133.34	29.247		
13,000.00	7,730.00	11,750.60	7,958.75	81.05	68.30	93.51	-2,360.64	-375.96	3,901.72	3,766.37	135.35	28.827		
13,100.00	7,730.00	11,810.74	7,958.15	81.94	69.24	93.50	-2,420.75	-377.89	3,904.53	3,767.20	137.33	28.432		
13,200.00	7,730.00	11,892.21	7,957.23	82.87	70.52	93.48	-2,502.14	-381.20	3,908.16	3,768.34	139.82	27.952		
13,300.00	7,730.00	11,973.08	7,956.45	83.86	71.79	93.47	-2,582.93	-384.77	3,912.17	3,769.87	142.31	27.491		
13,400.00	7,730.00	12,071.25	7,956.00	84.90	73.34	93.46	-2,680.99	-389.46	3,916.58	3,771.35	145.23	26.967		
13,500.00	7,730.00	12,214.35	7,957.03	85.97	75.62	93.47	-2,823.97	-395.21	3,920.27	3,770.95	149.32	26.255		
13,600.00	7,730.00	12,351.29	7,958.42	87.09	77.82	93.48	-2,960.83	-399.63	3,923.29	3,770.00	153.29	25.594		
13,700.00	7,730.00	12,426.45	7,959.05	88.25	79.03	93.49	-3,035.95	-401.74	3,925.83	3,770.10	155.73	25.209		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 229-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,800.00	7,730.00	12,492.73	7,959.09	89.44	80.10	93.49	-3,102.19	-404.17	3,929.16	3,771.22	157.94	24.877		
13,900.00	7,730.00	12,574.33	7,959.34	90.66	81.42	93.49	-3,183.71	-407.86	3,933.31	3,772.76	160.55	24.499		
14,000.00	7,730.00	12,684.42	7,960.33	91.92	83.20	93.50	-3,293.69	-412.64	3,937.36	3,773.44	163.92	24.020		
14,100.00	7,730.00	12,789.94	7,960.97	93.20	84.92	93.51	-3,399.11	-417.10	3,941.29	3,774.11	167.18	23.575		
14,200.00	7,730.00	14,200.00	7,950.85	94.50	108.54	93.36	-3,837.11	-420.09	3,943.70	3,748.40	195.30	20.193		
14,300.00	7,730.00	13,472.73	7,944.03	95.83	96.32	93.27	-4,080.89	-404.59	3,936.48	3,750.80	185.68	21.200		
14,400.00	7,730.00	13,720.53	7,945.15	97.17	100.58	93.31	-4,327.25	-378.38	3,924.71	3,732.29	192.42	20.396		
14,500.00	7,730.00	13,786.00	7,946.14	98.54	101.71	93.33	-4,392.28	-370.86	3,913.00	3,718.06	194.94	20.073		
14,600.00	7,730.00	13,836.78	7,946.89	99.92	102.58	93.35	-4,442.77	-365.57	3,902.34	3,705.24	197.10	19.799		
14,700.00	7,730.00	13,875.00	7,947.50	101.32	103.24	93.36	-4,480.82	-361.99	3,892.95	3,694.02	198.93	19.570		
14,800.00	7,730.00	13,931.98	7,948.36	102.74	104.22	93.38	-4,537.61	-357.42	3,884.83	3,683.64	201.19	19.310		
14,900.00	7,730.00	13,964.00	7,948.77	104.17	104.77	93.39	-4,569.56	-355.29	3,878.19	3,675.39	202.79	19.124		
15,000.00	7,730.00	14,024.30	7,949.56	105.62	105.80	93.40	-4,629.77	-352.11	3,872.82	3,667.74	205.09	18.884		
15,100.00	7,730.00	14,053.00	7,950.00	107.07	106.29	93.41	-4,658.44	-350.98	3,868.97	3,662.45	206.52	18.734		
15,200.00	7,730.00	14,111.11	7,950.81	108.54	107.28	93.42	-4,716.53	-349.53	3,866.44	3,657.74	208.70	18.526		
15,296.75	7,730.00	14,142.00	7,951.15	109.97	107.81	93.43	-4,747.41	-349.26	3,865.52	3,655.43	210.09	18.399		
15,300.00	7,730.00	14,142.00	7,951.15	110.02	107.81	93.43	-4,747.41	-349.26	3,865.53	3,655.42	210.11	18.398		
15,400.00	7,730.00	14,191.17	7,951.54	111.51	108.64	93.43	-4,796.58	-349.60	3,866.10	3,654.12	211.98	18.238		
15,500.00	7,730.00	14,231.00	7,951.67	113.01	109.31	93.43	-4,836.40	-350.61	3,868.29	3,654.75	213.54	18.115		
15,600.00	7,730.00	14,312.15	7,951.71	114.52	110.67	93.43	-4,917.50	-353.50	3,871.51	3,655.23	216.28	17.901		
15,700.00	7,730.00	14,595.69	7,952.94	116.04	115.47	93.45	-5,200.95	-358.25	3,873.41	3,648.59	224.81	17.230		
15,800.00	7,730.00	14,672.19	7,954.55	117.56	116.78	93.47	-5,277.43	-357.73	3,872.49	3,644.99	227.50	17.022		
15,875.34	7,730.00	14,720.75	7,955.61	118.71	117.61	93.49	-5,325.98	-357.65	3,872.22	3,642.96	229.26	16.890		
15,900.00	7,730.00	14,736.27	7,955.93	119.09	117.87	93.49	-5,341.49	-357.70	3,872.25	3,642.42	229.83	16.849		
16,000.00	7,730.00	14,799.52	7,957.08	120.63	118.95	93.51	-5,404.72	-358.30	3,872.96	3,640.85	232.11	16.686		
16,100.00	7,730.00	14,855.00	7,957.78	122.18	119.89	93.52	-5,460.19	-359.33	3,874.63	3,640.49	234.15	16.548		
16,200.00	7,730.00	14,923.62	7,958.17	123.73	121.05	93.52	-5,528.78	-361.31	3,877.26	3,640.71	236.54	16.391		
16,300.00	7,730.00	15,002.14	7,958.27	125.29	122.38	93.52	-5,607.24	-364.33	3,880.75	3,641.52	239.23	16.222		
16,400.00	7,730.00	15,170.96	7,961.33	126.86	125.25	93.56	-5,775.95	-369.50	3,883.60	3,638.97	244.63	15.875		
16,500.00	7,730.00	15,288.70	7,966.09	128.43	127.26	93.63	-5,893.57	-371.60	3,885.30	3,636.78	248.52	15.634		
16,600.00	7,730.00	15,407.08	7,970.15	130.01	129.29	93.69	-6,011.87	-373.20	3,886.53	3,634.10	252.43	15.397		
16,700.00	7,730.00	15,489.04	7,972.63	131.59	130.69	93.73	-6,093.78	-374.45	3,887.89	3,632.62	255.27	15.231		
16,800.00	7,730.00	15,625.39	7,977.13	133.18	133.03	93.79	-6,230.04	-376.00	3,888.91	3,629.20	259.71	14.974		
16,900.00	7,730.00	15,724.26	7,980.09	134.77	134.73	93.83	-6,328.87	-376.55	3,889.33	3,626.27	263.06	14.785		
17,000.00	7,730.00	15,832.02	7,983.85	136.37	136.59	93.89	-6,436.57	-377.23	3,889.86	3,623.18	266.68	14.586		
17,100.00	7,730.00	15,901.98	7,986.25	137.97	137.79	93.92	-6,506.48	-377.81	3,890.59	3,621.41	269.18	14.453		
17,200.00	7,730.00	15,977.28	7,988.60	139.57	139.08	93.96	-6,581.73	-379.02	3,892.07	3,620.23	271.83	14.318		
17,300.00	7,730.00	16,055.84	7,991.21	141.18	140.43	93.99	-6,660.23	-380.72	3,894.11	3,619.54	274.57	14.183		
17,400.00	7,730.00	16,131.64	7,993.77	142.79	141.73	94.03	-6,735.96	-382.77	3,896.72	3,619.50	277.22	14.057		
17,500.00	7,730.00	16,191.00	7,995.68	144.41	142.75	94.06	-6,795.26	-384.76	3,900.05	3,620.72	279.34	13.962		
17,600.00	7,730.00	16,258.91	7,997.65	146.03	143.91	94.08	-6,863.07	-387.69	3,904.29	3,622.59	281.70	13.860		
17,700.00	7,730.00	16,342.43	7,999.92	147.65	145.33	94.11	-6,946.44	-392.12	3,909.42	3,624.87	284.55	13.739		
17,800.00	7,730.00	16,425.35	8,002.25	149.28	146.74	94.14	-7,029.20	-396.70	3,914.81	3,627.43	287.38	13.623		
17,900.00	7,730.00	16,512.56	8,003.85	150.91	148.22	94.16	-7,116.24	-402.02	3,920.68	3,630.34	290.34	13.504		
18,000.00	7,730.00	16,614.27	8,005.44	152.54	149.95	94.18	-7,217.74	-408.34	3,926.66	3,632.88	293.78	13.366		
18,100.00	7,730.00	16,701.52	8,006.48	154.18	151.44	94.19	-7,304.81	-413.84	3,932.70	3,635.95	296.74	13.253		
18,200.00	7,730.00	17,032.31	8,001.77	155.82	157.11	94.10	-7,635.23	-427.02	3,936.74	3,629.39	307.35	12.808		
18,300.00	7,730.00	17,199.91	7,994.50	157.46	160.01	94.00	-7,802.66	-427.28	3,936.24	3,623.52	312.72	12.587		
18,400.00	7,730.00	17,504.81	7,992.80	159.11	165.34	93.99	-8,107.17	-416.62	3,932.50	3,610.91	321.59	12.228		
18,500.00	7,730.00	17,628.61	7,997.96	160.75	167.52	94.07	-8,230.58	-408.12	3,925.59	3,599.95	325.64	12.055		
18,600.00	7,730.00	17,744.31	8,002.86	162.40	169.57	94.15	-8,345.86	-399.60	3,918.19	3,588.71	329.48	11.892		
18,700.00	7,730.00	17,796.00	8,005.06	164.05	170.48	94.19	-8,397.35	-395.71	3,910.95	3,579.19	331.76	11.789		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>		SEC 22-T1N-R68W - EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SURVEY										<b>Offset Site Error:</b>	0.00 usft
Survey Program:		229-MWD OWSG										<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,800.00	7,730.00	17,796.00	8,005.06	165.71	170.48	94.19	-8,397.35	-395.71	3,905.92	3,573.30	332.62	11.743	
18,900.00	7,730.00	17,796.00	8,005.06	167.36	170.48	94.19	-8,397.35	-395.71	3,903.44	3,570.15	333.28	11.712	
18,942.39	7,730.00	17,796.00	8,005.06	168.07	170.48	94.19	-8,397.35	-395.71	3,903.16	3,569.66	333.50	11.704 SF	









## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>		SEC 22-T1N-R68W - EXIST HZ COSSLETT 1G-22H-B168 - OWB - FINAL SURVEY										<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b>		318-MWD OWSG										<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,800.00	7,730.00	17,408.14	7,752.57	165.71	168.68	90.50	-8,310.94	-311.93	3,809.87	3,480.47	329.40	11.566	
18,900.00	7,730.00	17,487.00	7,752.00	167.36	170.05	90.50	-8,398.07	-310.86	3,808.32	3,475.99	332.33	11.459	
18,942.39	7,730.00	17,487.00	7,752.00	168.07	170.05	90.50	-8,398.07	-310.86	3,808.03	3,475.49	332.53	11.452 SF	











## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>		SEC 22-T1N-R68W - EXIST HZ COSSLETT 1H-22H-B168 - OWB - FINAL SURVEY										<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b>		140-MWD OWSG										<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,800.00	7,730.00	17,216.33	7,821.42	165.71	161.42	91.72	-7,892.55	88.08	3,431.08	3,117.09	313.99	10.927	
18,900.00	7,730.00	17,331.22	7,814.93	167.36	163.33	91.61	-8,006.60	75.80	3,441.28	3,123.31	317.97	10.823	
18,942.39	7,730.00	17,373.56	7,812.38	168.07	164.03	91.56	-8,048.63	71.34	3,445.53	3,126.14	319.39	10.788 SF	











# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1I-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 318-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,500.00	7,730.00	17,224.67	7,636.16	160.75	164.40	88.48	-8,041.69	371.24	3,129.33	2,810.05	319.28	9.801	
18,600.00	7,730.00	17,354.93	7,642.20	162.40	166.67	88.59	-8,171.76	374.71	3,126.28	2,802.51	323.77	9.656	
18,700.00	7,730.00	17,460.48	7,646.47	164.05	168.51	88.67	-8,277.17	378.50	3,122.24	2,794.80	327.44	9.535	
18,800.00	7,730.00	17,573.80	7,650.25	165.71	170.50	88.74	-8,390.34	382.86	3,117.97	2,786.62	331.35	9.410	
18,900.00	7,730.00	17,583.00	7,650.55	167.36	170.66	88.74	-8,399.53	383.23	3,114.89	2,783.06	331.83	9.387	
18,942.39	7,730.00	17,583.00	7,650.55	168.07	170.66	88.74	-8,399.53	383.23	3,114.55	2,782.74	331.81	9.387 SF	









## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1J-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 318-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,200.00	7,730.00	16,900.34	7,747.42	155.82	157.82	90.56	-7,635.91	598.68	2,901.11	2,594.95	306.16	9.476	
18,300.00	7,730.00	16,999.38	7,747.43	157.46	159.51	90.56	-7,734.95	597.71	2,901.75	2,592.20	309.55	9.374	
18,400.00	7,730.00	17,100.84	7,746.96	159.11	161.26	90.55	-7,836.40	596.72	2,902.39	2,589.36	313.03	9.272	
18,500.00	7,730.00	17,199.36	7,745.94	160.75	162.95	90.53	-7,934.91	595.77	2,903.00	2,586.61	316.40	9.175	
18,600.00	7,730.00	18,600.00	7,744.12	162.40	187.08	90.50	-8,044.97	595.00	2,903.34	2,560.75	342.59	8.475 SF	
18,700.00	7,730.00	17,372.63	7,743.40	164.05	165.93	90.48	-8,108.16	594.27	2,904.20	2,582.00	322.21	9.013	
18,800.00	7,730.00	17,491.15	7,743.31	165.71	167.96	90.48	-8,226.65	592.21	2,905.62	2,579.26	326.37	8.903	
18,900.00	7,730.00	17,569.65	7,743.52	167.36	169.31	90.48	-8,305.14	590.91	2,906.94	2,577.98	328.96	8.837	
18,942.39	7,730.00	17,612.52	7,743.63	168.07	170.05	90.49	-8,348.00	590.06	2,907.64	2,577.21	330.44	8.799	











# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1K-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 318-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,400.00	7,730.00	17,260.06	8,010.03	159.11	160.31	96.10	-7,777.14	775.04	2,740.68	2,429.59	311.09	8.810	
18,500.00	7,730.00	17,301.00	8,010.05	160.75	161.01	96.10	-7,818.04	773.46	2,744.42	2,432.52	311.90	8.799	
18,600.00	7,730.00	17,365.91	8,009.58	162.40	162.10	96.08	-7,882.85	769.78	2,749.78	2,436.09	313.69	8.766	
18,700.00	7,730.00	17,414.20	8,008.92	164.05	162.90	96.06	-7,930.99	766.10	2,756.91	2,442.27	314.64	8.762	
18,800.00	7,730.00	17,479.00	8,007.94	165.71	163.97	96.02	-7,995.45	759.53	2,766.20	2,449.90	316.31	8.745 SF	
18,900.00	7,730.00	17,479.00	8,007.94	167.36	163.97	96.02	-7,995.45	759.53	2,777.35	2,462.76	314.59	8.829	
18,942.39	7,730.00	17,509.87	8,007.67	168.07	164.47	96.01	-8,026.06	755.62	2,782.62	2,467.22	315.41	8.822	











## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1L-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 318-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,500.00	7,730.00	17,428.20	7,865.30	160.75	165.11	93.23	-8,003.39	926.92	2,575.99	2,255.80	320.19	8.045	
18,600.00	7,730.00	17,519.99	7,866.07	162.40	166.69	93.25	-8,095.17	928.15	2,574.37	2,251.07	323.30	7.963	
18,700.00	7,730.00	17,609.35	7,867.19	164.05	168.24	93.28	-8,184.52	929.25	2,572.88	2,246.58	326.30	7.885	
18,800.00	7,730.00	17,689.68	7,868.05	165.71	169.62	93.30	-8,264.84	929.60	2,572.16	2,243.24	328.92	7.820	
18,870.83	7,730.00	17,750.67	7,868.63	166.88	170.67	93.31	-8,325.82	929.55	2,572.02	2,241.08	330.94	7.772	
18,900.00	7,730.00	17,780.57	7,868.86	167.36	171.18	93.32	-8,350.59	929.46	2,572.05	2,240.20	331.85	7.751	
18,942.39	7,730.00	17,817.82	7,869.24	168.07	171.82	93.33	-8,392.98	929.26	2,572.12	2,238.91	333.21	7.719 SF	

















# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 4-0-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,400.00	7,730.00	8,232.00	7,881.33	97.17	44.40	91.85	1,625.29	-1,442.75	7,396.47	7,303.71	92.75	79.744		
14,500.00	7,730.00	8,232.00	7,881.33	98.54	44.40	91.85	1,625.29	-1,442.75	7,470.75	7,377.79	92.97	80.359		
14,600.00	7,730.00	8,232.00	7,881.33	99.92	44.40	91.85	1,625.29	-1,442.75	7,545.63	7,452.45	93.18	80.979		
14,700.00	7,730.00	8,232.00	7,881.33	101.32	44.40	91.85	1,625.29	-1,442.75	7,621.09	7,527.70	93.39	81.605		
14,800.00	7,730.00	8,232.00	7,881.33	102.74	44.40	91.85	1,625.29	-1,442.75	7,697.11	7,603.51	93.60	82.236		
14,900.00	7,730.00	8,232.00	7,881.33	104.17	44.40	91.85	1,625.29	-1,442.75	7,773.67	7,679.87	93.80	82.873		
15,000.00	7,730.00	8,232.00	7,881.33	105.62	44.40	91.85	1,625.29	-1,442.75	7,850.76	7,756.75	94.01	83.514		
15,100.00	7,730.00	8,232.00	7,881.33	107.07	44.40	91.85	1,625.29	-1,442.75	7,928.36	7,834.15	94.21	84.160		
15,200.00	7,730.00	8,232.00	7,881.33	108.54	44.40	91.85	1,625.29	-1,442.75	8,006.45	7,912.05	94.40	84.811		
15,300.00	7,730.00	8,232.00	7,881.33	110.02	44.40	91.85	1,625.29	-1,442.75	8,085.03	7,990.43	94.60	85.466		
15,400.00	7,730.00	8,232.00	7,881.33	111.51	44.40	91.85	1,625.29	-1,442.75	8,164.08	8,069.28	94.79	86.126		
15,500.00	7,730.00	8,232.00	7,881.33	113.01	44.40	91.85	1,625.29	-1,442.75	8,243.58	8,148.60	94.98	86.790		
15,600.00	7,730.00	8,232.00	7,881.33	114.52	44.40	91.85	1,625.29	-1,442.75	8,323.52	8,228.35	95.17	87.458		
15,700.00	7,730.00	8,232.00	7,881.33	116.04	44.40	91.85	1,625.29	-1,442.75	8,403.90	8,308.54	95.36	88.131		
15,800.00	7,730.00	8,232.00	7,881.33	117.56	44.40	91.85	1,625.29	-1,442.75	8,484.69	8,389.15	95.54	88.807		
15,900.00	7,730.00	8,232.00	7,881.33	119.09	44.40	91.85	1,625.29	-1,442.75	8,565.88	8,470.16	95.72	89.487		
16,000.00	7,730.00	8,232.00	7,881.33	120.63	44.40	91.85	1,625.29	-1,442.75	8,647.48	8,551.57	95.90	90.171		
16,100.00	7,730.00	8,232.00	7,881.33	122.18	44.40	91.85	1,625.29	-1,442.75	8,729.45	8,633.37	96.08	90.859		
16,200.00	7,730.00	8,232.00	7,881.33	123.73	44.40	91.85	1,625.29	-1,442.75	8,811.79	8,715.54	96.25	91.550		
16,300.00	7,730.00	8,232.00	7,881.33	125.29	44.40	91.85	1,625.29	-1,442.75	8,894.50	8,798.08	96.42	92.244		
16,400.00	7,730.00	8,232.00	7,881.33	126.86	44.40	91.85	1,625.29	-1,442.75	8,977.56	8,880.97	96.59	92.942		
16,500.00	7,730.00	8,232.00	7,881.33	128.43	44.40	91.85	1,625.29	-1,442.75	9,060.96	8,964.20	96.76	93.643		
16,600.00	7,730.00	8,232.00	7,881.33	130.01	44.40	91.85	1,625.29	-1,442.75	9,144.70	9,047.77	96.93	94.348		
16,700.00	7,730.00	8,232.00	7,881.33	131.59	44.40	91.85	1,625.29	-1,442.75	9,228.76	9,131.67	97.09	95.055		
16,800.00	7,730.00	8,232.00	7,881.33	133.18	44.40	91.85	1,625.29	-1,442.75	9,313.13	9,215.88	97.25	95.765		
16,900.00	7,730.00	8,232.00	7,881.33	134.77	44.40	91.85	1,625.29	-1,442.75	9,397.81	9,300.40	97.41	96.478		
17,000.00	7,730.00	8,232.00	7,881.33	136.37	44.40	91.85	1,625.29	-1,442.75	9,482.79	9,385.22	97.57	97.194		
17,100.00	7,730.00	8,232.00	7,881.33	137.97	44.40	91.85	1,625.29	-1,442.75	9,568.06	9,470.34	97.72	97.912		
17,200.00	7,730.00	8,232.00	7,881.33	139.57	44.40	91.85	1,625.29	-1,442.75	9,653.61	9,555.73	97.87	98.633		
17,300.00	7,730.00	8,232.00	7,881.33	141.18	44.40	91.85	1,625.29	-1,442.75	9,739.44	9,641.41	98.03	99.356		
17,400.00	7,730.00	8,232.00	7,881.33	142.79	44.40	91.85	1,625.29	-1,442.75	9,825.53	9,727.36	98.17	100.082		
17,500.00	7,730.00	8,232.00	7,881.33	144.41	44.40	91.85	1,625.29	-1,442.75	9,911.89	9,813.56	98.32	100.810		
17,600.00	7,730.00	8,232.00	7,881.33	146.03	44.40	91.85	1,625.29	-1,442.75	9,998.50	9,900.03	98.47	101.540		









# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 41-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,843.57	7,736.55	95.83	31.63	90.28	1,068.46	366.35	5,766.23	5,673.71	92.53	62.319		
14,400.00	7,730.00	7,843.15	7,736.14	97.17	31.63	90.27	1,068.46	366.35	5,850.11	5,757.55	92.56	63.204		
14,500.00	7,730.00	7,842.74	7,735.72	98.54	31.63	90.27	1,068.46	366.34	5,934.48	5,841.89	92.59	64.096		
14,600.00	7,730.00	7,842.33	7,735.31	99.92	31.63	90.26	1,068.46	366.34	6,019.33	5,926.72	92.61	64.995		
14,700.00	7,730.00	7,841.91	7,734.90	101.32	31.62	90.25	1,068.46	366.33	6,104.64	6,012.01	92.63	65.901		
14,800.00	7,730.00	7,841.50	7,734.48	102.74	31.62	90.24	1,068.45	366.33	6,190.39	6,097.74	92.65	66.813		
14,900.00	7,730.00	7,841.09	7,734.07	104.17	31.62	90.24	1,068.45	366.32	6,276.56	6,183.89	92.67	67.731		
15,000.00	7,730.00	7,840.67	7,733.66	105.62	31.62	90.23	1,068.45	366.32	6,363.14	6,270.46	92.68	68.654		
15,100.00	7,730.00	7,840.26	7,733.24	107.07	31.62	90.22	1,068.45	366.31	6,450.10	6,357.41	92.70	69.583		
15,200.00	7,730.00	7,839.85	7,732.83	108.54	31.62	90.21	1,068.45	366.31	6,537.44	6,444.73	92.71	70.517		
15,300.00	7,730.00	7,839.44	7,732.42	110.02	31.62	90.21	1,068.44	366.30	6,625.14	6,532.42	92.72	71.456		
15,400.00	7,730.00	7,839.02	7,732.00	111.51	31.62	90.20	1,068.44	366.30	6,713.18	6,620.45	92.72	72.400		
15,500.00	7,730.00	7,838.61	7,731.59	113.01	31.61	90.19	1,068.44	366.29	6,801.55	6,708.82	92.73	73.348		
15,600.00	7,730.00	7,838.20	7,731.18	114.52	31.61	90.18	1,068.44	366.28	6,890.23	6,797.50	92.74	74.300		
15,700.00	7,730.00	7,837.78	7,730.77	116.04	31.61	90.18	1,068.43	366.28	6,979.23	6,886.49	92.74	75.256		
15,800.00	7,730.00	7,837.37	7,730.35	117.56	31.61	90.17	1,068.43	366.27	7,068.52	6,975.77	92.74	76.216		
15,900.00	7,730.00	7,836.96	7,729.94	119.09	31.61	90.16	1,068.43	366.27	7,158.09	7,065.34	92.75	77.180		
16,000.00	7,730.00	7,836.55	7,729.53	120.63	31.61	90.15	1,068.43	366.26	7,247.93	7,155.18	92.75	78.147		
16,100.00	7,730.00	7,836.13	7,729.11	122.18	31.61	90.15	1,068.43	366.26	7,338.04	7,245.29	92.75	79.117		
16,200.00	7,730.00	7,835.72	7,728.70	123.73	31.61	90.14	1,068.42	366.25	7,428.40	7,335.65	92.75	80.090		
16,300.00	7,730.00	7,835.31	7,728.29	125.29	31.60	90.13	1,068.42	366.25	7,519.00	7,426.25	92.75	81.067		
16,400.00	7,730.00	7,834.89	7,727.88	126.86	31.60	90.12	1,068.42	366.24	7,609.84	7,517.09	92.75	82.046		
16,500.00	7,730.00	7,834.48	7,727.46	128.43	31.60	90.12	1,068.42	366.23	7,700.91	7,608.16	92.75	83.028		
16,600.00	7,730.00	7,834.07	7,727.05	130.01	31.60	90.11	1,068.42	366.23	7,792.19	7,699.44	92.75	84.012		
16,700.00	7,730.00	7,833.66	7,726.64	131.59	31.60	90.10	1,068.41	366.22	7,883.69	7,790.94	92.75	84.998		
16,800.00	7,730.00	7,833.24	7,726.23	133.18	31.60	90.09	1,068.41	366.22	7,975.39	7,882.64	92.75	85.987		
16,900.00	7,730.00	7,832.83	7,725.81	134.77	31.60	90.09	1,068.41	366.21	8,067.29	7,974.54	92.75	86.978		
17,000.00	7,730.00	7,832.42	7,725.40	136.37	31.60	90.08	1,068.41	366.21	8,159.38	8,066.63	92.75	87.971		
17,100.00	7,730.00	7,832.01	7,724.99	137.97	31.59	90.07	1,068.40	366.20	8,251.65	8,158.90	92.75	88.966		
17,200.00	7,730.00	7,831.59	7,724.58	139.57	31.59	90.06	1,068.40	366.19	8,344.10	8,251.35	92.75	89.962		
17,300.00	7,730.00	7,831.18	7,724.16	141.18	31.59	90.06	1,068.40	366.19	8,436.72	8,343.97	92.75	90.960		
17,400.00	7,730.00	7,830.77	7,723.75	142.79	31.59	90.05	1,068.40	366.18	8,529.51	8,436.76	92.75	91.960		
17,500.00	7,730.00	7,830.36	7,723.34	144.41	31.59	90.04	1,068.40	366.18	8,622.46	8,529.71	92.75	92.961		
17,600.00	7,730.00	7,829.94	7,722.93	146.03	31.59	90.03	1,068.39	366.17	8,715.57	8,622.82	92.75	93.964		
17,700.00	7,730.00	7,829.53	7,722.52	147.65	31.59	90.03	1,068.39	366.17	8,808.83	8,716.07	92.76	94.968		
17,800.00	7,730.00	7,829.12	7,722.10	149.28	31.58	90.02	1,068.39	366.16	8,902.23	8,809.47	92.76	95.973		
17,900.00	7,730.00	7,828.71	7,721.69	150.91	31.58	90.01	1,068.39	366.15	8,995.78	8,903.02	92.76	96.979		
18,000.00	7,730.00	7,828.30	7,721.28	152.54	31.58	90.01	1,068.39	366.15	9,089.46	8,996.70	92.76	97.986		
18,100.00	7,730.00	7,827.88	7,720.87	154.18	31.58	90.00	1,068.38	366.14	9,183.28	9,090.51	92.77	98.994		
18,200.00	7,730.00	7,827.47	7,720.45	155.82	31.58	89.99	1,068.38	366.14	9,277.22	9,184.45	92.77	100.002		
18,300.00	7,730.00	7,827.06	7,720.04	157.46	31.58	89.98	1,068.38	366.13	9,371.30	9,278.52	92.77	101.012		
18,400.00	7,730.00	7,826.65	7,719.63	159.11	31.58	89.98	1,068.38	366.13	9,465.49	9,372.71	92.78	102.022		
18,500.00	7,730.00	7,826.24	7,719.22	160.75	31.58	89.97	1,068.38	366.12	9,559.80	9,467.01	92.78	103.033		
18,600.00	7,730.00	7,825.82	7,718.81	162.40	31.57	89.96	1,068.37	366.11	9,654.22	9,561.43	92.79	104.045		
18,700.00	7,730.00	7,825.41	7,718.39	164.05	31.57	89.95	1,068.37	366.11	9,748.76	9,655.96	92.80	105.057		
18,800.00	7,730.00	7,825.00	7,717.98	165.71	31.57	89.95	1,068.37	366.10	9,843.40	9,750.60	92.80	106.069		
18,900.00	7,730.00	7,824.59	7,717.57	167.36	31.57	89.94	1,068.37	366.10	9,938.15	9,845.34	92.81	107.082		
18,942.39	7,730.00	7,824.41	7,717.40	168.07	31.57	89.93	1,068.37	366.09	9,978.35	9,885.54	92.81	107.511		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 42-22 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-20.99	218.21	-83.72	233.89				
100.00	100.00	89.98	89.98	0.13	0.15	-20.98	218.41	-83.73	233.92	233.64	0.28	832.650	
200.00	200.00	189.40	189.40	0.49	0.41	-20.93	219.04	-83.80	234.53	233.63	0.90	260.173	
300.00	300.00	289.10	289.10	0.85	0.77	-20.91	219.75	-83.98	235.26	233.64	1.62	145.480	
400.00	400.00	392.87	392.86	1.21	1.13	-20.85	220.12	-83.82	235.54	233.21	2.34	100.770	
500.00	500.00	501.49	501.44	1.57	1.50	-20.60	217.90	-81.90	233.02	229.95	3.07	75.984	
600.00	600.00	610.34	610.02	1.93	1.88	-19.95	212.25	-77.06	226.61	222.81	3.80	59.593	
700.00	700.00	718.76	717.71	2.29	2.29	-18.64	203.21	-68.54	216.12	211.58	4.54	47.585	
800.00	800.00	825.34	822.90	2.64	2.72	-16.27	191.60	-55.91	202.12	196.84	5.28	38.273	
900.00	899.98	929.59	924.89	3.00	3.18	-73.12	177.31	-39.78	184.34	178.31	6.03	30.589	
1,000.00	999.84	1,028.06	1,020.65	3.35	3.65	-70.43	162.45	-22.30	164.15	157.36	6.79	24.192	
1,100.00	1,099.45	1,128.82	1,118.34	3.71	4.15	-67.92	146.23	-3.72	142.12	134.55	7.57	18.767	
1,200.00	1,198.70	1,223.14	1,209.87	4.08	4.64	-66.23	131.27	13.44	119.35	110.97	8.38	14.235	
1,300.00	1,297.47	1,320.19	1,304.41	4.47	5.13	-66.17	116.59	29.74	96.20	87.01	9.19	10.466	
1,400.00	1,395.62	1,417.19	1,399.04	4.87	5.62	-69.16	101.91	45.17	71.85	61.88	9.97	7.206	
1,500.00	1,493.06	1,514.10	1,493.43	5.31	6.12	-78.58	86.76	61.06	46.34	35.68	10.66	4.346	
1,600.00	1,589.64	1,609.93	1,586.45	5.77	6.63	-113.58	70.75	77.65	23.92	12.73	11.18	2.138	
1,632.13	1,620.48	1,640.42	1,616.02	5.94	6.80	-137.36	65.65	83.00	21.55	9.89	11.66	1.849 CC, ES, SF	
1,700.00	1,685.27	1,704.69	1,678.43	6.28	7.14	179.76	55.18	94.24	31.08	18.14	12.94	2.402	
1,800.00	1,779.82	1,798.83	1,770.00	6.83	7.64	158.53	40.38	110.33	60.93	46.96	13.97	4.363	
1,900.00	1,873.17	1,892.08	1,860.87	7.43	8.13	152.67	26.12	125.62	96.31	81.44	14.87	6.477	
2,000.00	1,965.21	1,985.18	1,952.02	8.08	8.59	151.36	13.13	139.49	134.57	118.80	15.77	8.531	
2,100.00	2,055.84	2,077.14	2,042.39	8.79	9.04	151.64	1.86	152.23	174.89	158.23	16.66	10.497	
2,200.00	2,144.94	2,163.51	2,127.44	9.56	9.44	152.39	-8.80	162.76	218.95	201.46	17.49	12.519	
2,300.00	2,232.39	2,248.79	2,211.23	10.39	9.85	152.87	-20.73	173.23	266.97	248.65	18.33	14.566	
2,400.00	2,318.11	2,332.55	2,293.10	11.30	10.27	152.90	-34.15	184.73	318.43	299.23	19.20	16.586	
2,504.60	2,405.78	2,423.25	2,381.48	12.31	10.75	152.81	-49.42	198.25	375.05	354.87	20.19	18.580	
2,600.00	2,484.79	2,508.18	2,464.28	13.28	11.19	153.31	-62.99	211.44	427.18	406.06	21.12	20.226	
2,700.00	2,567.60	2,596.84	2,550.70	14.32	11.66	153.70	-76.42	225.91	480.87	458.77	22.10	21.757	
2,800.00	2,650.41	2,687.70	2,639.22	15.37	12.14	153.96	-89.68	241.60	533.72	510.60	23.12	23.087	
2,900.00	2,733.23	2,775.41	2,724.74	16.44	12.60	154.21	-101.61	256.95	585.78	561.68	24.10	24.303	
3,000.00	2,816.04	2,853.19	2,800.60	17.52	13.00	154.41	-112.29	270.40	638.07	613.09	24.99	25.538	
3,100.00	2,898.85	2,930.11	2,875.66	18.60	13.41	154.60	-123.71	282.75	691.71	665.86	25.86	26.751	
3,200.00	2,981.67	3,013.40	2,956.89	19.69	13.84	154.76	-136.46	296.04	745.74	718.93	26.81	27.818	
3,300.00	3,064.48	3,096.59	3,037.90	20.79	14.28	154.85	-149.54	309.69	799.81	772.04	27.77	28.802	
3,400.00	3,147.30	3,175.01	3,114.32	21.90	14.70	154.95	-161.97	322.13	854.24	825.57	28.68	29.790	
3,500.00	3,230.11	3,275.79	3,212.74	23.00	15.22	155.13	-176.94	337.82	908.19	878.36	29.83	30.450	
3,600.00	3,312.92	3,354.72	3,289.90	24.12	15.62	155.27	-188.10	350.14	961.63	930.90	30.73	31.297	
3,700.00	3,395.74	3,436.67	3,369.99	25.23	16.05	155.41	-199.94	362.77	1,015.39	983.73	31.66	32.068	
3,800.00	3,478.55	3,520.62	3,452.02	26.35	16.48	155.52	-212.26	375.77	1,069.27	1,036.64	32.63	32.773	
3,900.00	3,561.36	3,605.00	3,534.52	27.47	16.91	155.64	-224.46	388.62	1,123.14	1,089.55	33.59	33.433	
4,000.00	3,644.18	3,691.79	3,619.42	28.59	17.35	155.77	-236.81	401.68	1,176.96	1,142.38	34.58	34.035	
4,100.00	3,726.99	3,779.87	3,705.81	29.72	17.79	155.94	-248.45	414.32	1,230.50	1,194.93	35.57	34.593	
4,200.00	3,809.81	3,867.06	3,791.12	30.85	18.23	156.05	-260.45	427.72	1,283.86	1,247.29	36.57	35.109	
4,300.00	3,892.62	3,958.36	3,880.16	31.98	18.70	156.08	-273.69	442.97	1,336.98	1,299.34	37.63	35.526	
4,400.00	3,975.43	4,053.09	3,972.86	33.11	19.19	156.18	-285.95	458.17	1,389.43	1,350.71	38.72	35.884	
4,500.00	4,058.25	4,132.78	4,050.79	34.24	19.60	156.25	-296.22	471.24	1,441.67	1,402.02	39.64	36.365	
4,600.00	4,141.06	4,190.39	4,106.90	35.37	19.90	156.24	-304.88	480.99	1,495.02	1,454.68	40.34	37.057	
4,700.00	4,223.87	4,264.29	4,178.68	36.50	20.30	156.21	-317.33	493.42	1,549.59	1,508.35	41.24	37.577	
4,800.00	4,306.69	4,337.35	4,249.93	37.64	20.68	156.23	-328.96	504.57	1,604.42	1,562.32	42.10	38.112	
4,900.00	4,389.50	4,403.29	4,314.65	38.77	21.01	156.33	-338.75	512.61	1,660.15	1,617.32	42.84	38.756	
5,000.00	4,472.32	4,510.37	4,420.35	39.91	21.49	156.63	-352.07	523.33	1,715.51	1,671.55	43.96	39.023	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 42-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,766.00	7,673.46	79.06	31.05	87.63	-407.13	541.60	3,459.64	3,391.49	68.14	50.770		
9,231.13	7,730.00	7,766.00	7,673.46	78.93	31.05	89.09	-407.13	541.60	3,444.35	3,376.23	68.12	50.566		
9,300.00	7,730.00	7,766.00	7,673.46	78.65	31.05	89.09	-407.13	541.60	3,410.43	3,342.36	68.08	50.098		
9,400.00	7,730.00	7,766.00	7,673.46	78.26	31.05	89.09	-407.13	541.60	3,363.09	3,295.03	68.05	49.420		
9,500.00	7,730.00	7,766.00	7,673.46	77.89	31.05	89.09	-407.13	541.60	3,318.08	3,250.01	68.07	48.744		
9,600.00	7,730.00	7,766.00	7,673.46	77.53	31.05	89.09	-407.13	541.60	3,275.51	3,207.37	68.14	48.072		
9,700.00	7,730.00	7,766.00	7,673.46	77.19	31.05	89.09	-407.13	541.60	3,235.47	3,167.21	68.25	47.403		
9,800.00	7,730.00	7,766.00	7,673.46	76.88	31.05	89.09	-407.13	541.60	3,198.06	3,129.63	68.42	46.740		
9,900.00	7,730.00	7,766.00	7,673.46	76.58	31.05	89.09	-407.13	541.60	3,163.36	3,094.72	68.64	46.083		
10,000.00	7,730.00	7,766.13	7,673.58	76.30	31.06	89.09	-407.13	541.60	3,131.48	3,062.56	68.92	45.435		
10,100.00	7,730.00	7,767.07	7,674.53	76.04	31.06	89.11	-407.14	541.58	3,102.49	3,033.23	69.26	44.793		
10,200.00	7,730.00	7,768.00	7,675.46	75.79	31.06	89.13	-407.14	541.57	3,076.49	3,006.83	69.66	44.166		
10,300.00	7,730.00	7,768.92	7,676.38	75.57	31.06	89.14	-407.15	541.56	3,053.53	2,983.43	70.10	43.557		
10,400.00	7,730.00	7,769.83	7,677.29	75.36	31.07	89.16	-407.16	541.55	3,033.71	2,963.10	70.60	42.970		
10,500.00	7,730.00	7,770.72	7,678.18	75.18	31.07	89.18	-407.17	541.53	3,017.06	2,945.92	71.14	42.408		
10,600.00	7,730.00	7,771.60	7,679.06	75.01	31.07	89.19	-407.17	541.52	3,003.66	2,931.93	71.73	41.876		
10,700.00	7,730.00	7,772.47	7,679.93	74.86	31.07	89.21	-407.18	541.51	2,993.54	2,921.19	72.35	41.377		
10,800.00	7,730.00	7,773.33	7,680.78	74.74	31.08	89.23	-407.19	541.50	2,986.73	2,913.73	73.00	40.913		
10,900.00	7,730.00	7,774.17	7,681.63	74.64	31.08	89.24	-407.19	541.49	2,983.26	2,909.58	73.68	40.489		
10,953.55	7,730.00	7,774.62	7,682.07	74.59	31.08	89.25	-407.20	541.48	2,982.78	2,908.72	74.06	40.275		
11,000.00	7,730.00	7,775.00	7,682.46	74.56	31.08	89.26	-407.20	541.48	2,983.14	2,908.76	74.38	40.106		
11,100.00	7,730.00	7,775.82	7,683.28	74.51	31.08	89.28	-407.21	541.47	2,986.37	2,911.27	75.10	39.767		
11,200.00	7,730.00	7,776.63	7,684.09	74.48	31.09	89.29	-407.21	541.46	2,992.94	2,917.12	75.82	39.474		
11,300.00	7,730.00	7,777.43	7,684.89	74.48	31.09	89.31	-407.22	541.45	3,002.83	2,926.28	76.55	39.227		
11,400.00	7,730.00	7,778.22	7,685.68	74.50	31.09	89.32	-407.23	541.44	3,016.00	2,938.72	77.28	39.028		
11,500.00	7,730.00	7,779.00	7,686.45	74.56	31.09	89.34	-407.23	541.43	3,032.42	2,954.42	78.00	38.877		
11,600.00	7,730.00	7,779.76	7,687.22	74.66	31.09	89.35	-407.24	541.42	3,052.02	2,973.31	78.71	38.775		
11,700.00	7,730.00	7,780.52	7,687.98	74.79	31.10	89.37	-407.24	541.41	3,074.75	2,995.34	79.41	38.720		
11,800.00	7,730.00	7,781.27	7,688.72	74.96	31.10	89.38	-407.25	541.40	3,100.55	3,020.46	80.09	38.713		
11,900.00	7,730.00	7,782.01	7,689.46	75.17	31.10	89.39	-407.25	541.39	3,129.32	3,048.57	80.75	38.752		
12,000.00	7,730.00	7,782.73	7,690.19	75.43	31.10	89.41	-407.26	541.38	3,161.00	3,079.61	81.39	38.837		
12,100.00	7,730.00	7,783.45	7,690.91	75.73	31.11	89.42	-407.26	541.37	3,195.50	3,113.50	82.01	38.967		
12,200.00	7,730.00	7,784.16	7,691.62	76.09	31.11	89.44	-407.27	541.36	3,232.72	3,150.13	82.59	39.140		
12,300.00	7,730.00	7,784.86	7,692.32	76.51	31.11	89.45	-407.28	541.35	3,272.58	3,189.42	83.16	39.354		
12,400.00	7,730.00	7,785.55	7,693.01	76.97	31.11	89.46	-407.28	541.34	3,314.97	3,231.28	83.69	39.608		
12,500.00	7,730.00	7,786.24	7,693.69	77.50	31.11	89.48	-407.29	541.33	3,359.81	3,275.61	84.20	39.901		
12,600.00	7,730.00	7,786.91	7,694.37	78.09	31.12	89.49	-407.29	541.32	3,406.99	3,322.30	84.69	40.230		
12,700.00	7,730.00	7,787.58	7,695.03	78.74	31.12	89.50	-407.29	541.32	3,456.42	3,371.28	85.14	40.595		
12,800.00	7,730.00	7,788.24	7,695.69	79.45	31.12	89.51	-407.30	541.31	3,508.01	3,422.44	85.57	40.994		
12,900.00	7,730.00	7,788.89	7,696.34	80.22	31.12	89.53	-407.30	541.30	3,561.66	3,475.68	85.98	41.425		
13,000.00	7,730.00	7,789.53	7,696.98	81.05	31.12	89.54	-407.31	541.29	3,617.27	3,530.91	86.36	41.887		
13,100.00	7,730.00	7,790.16	7,697.62	81.94	31.12	89.55	-407.31	541.28	3,674.77	3,588.05	86.72	42.377		
13,200.00	7,730.00	7,790.79	7,698.25	82.87	31.13	89.56	-407.32	541.27	3,734.06	3,647.01	87.05	42.896		
13,300.00	7,730.00	7,791.41	7,698.87	83.86	31.13	89.57	-407.32	541.27	3,795.06	3,707.70	87.36	43.440		
13,400.00	7,730.00	7,792.02	7,699.48	84.90	31.13	89.59	-407.33	541.26	3,857.68	3,770.03	87.65	44.010		
13,500.00	7,730.00	7,792.63	7,700.08	85.97	31.13	89.60	-407.33	541.25	3,921.86	3,833.93	87.93	44.604		
13,600.00	7,730.00	7,793.23	7,700.68	87.09	31.13	89.61	-407.33	541.24	3,987.51	3,899.33	88.18	45.219		
13,700.00	7,730.00	7,793.82	7,701.27	88.25	31.14	89.62	-407.34	541.24	4,054.57	3,966.15	88.42	45.857		
13,800.00	7,730.00	7,794.40	7,701.86	89.44	31.14	89.63	-407.34	541.23	4,122.96	4,034.32	88.64	46.514		
13,900.00	7,730.00	7,794.98	7,702.43	90.66	31.14	89.64	-407.35	541.22	4,192.62	4,103.77	88.84	47.190		
14,000.00	7,730.00	7,795.55	7,703.00	91.92	31.14	89.65	-407.35	541.21	4,263.48	4,174.45	89.04	47.885		
14,100.00	7,730.00	7,796.11	7,703.57	93.20	31.14	89.67	-407.35	541.21	4,335.50	4,246.28	89.21	48.597		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation











# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 6-0-22 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,300.00	7,730.00	8,264.00	8,063.27	95.83	36.99	95.27	1,634.67	-179.46	6,549.16	6,455.78	93.38	70.135	
14,400.00	7,730.00	8,264.00	8,063.27	97.17	36.99	95.27	1,634.67	-179.46	6,631.64	6,538.26	93.39	71.012	
14,500.00	7,730.00	8,264.00	8,063.27	98.54	36.99	95.27	1,634.67	-179.46	6,714.60	6,621.21	93.39	71.895	
14,600.00	7,730.00	8,264.00	8,063.27	99.92	36.99	95.27	1,634.67	-179.46	6,798.02	6,704.62	93.40	72.783	
14,700.00	7,730.00	8,264.00	8,063.27	101.32	36.99	95.27	1,634.67	-179.46	6,881.88	6,788.47	93.41	73.676	
14,800.00	7,730.00	8,264.00	8,063.27	102.74	36.99	95.27	1,634.67	-179.46	6,966.16	6,872.75	93.41	74.575	
14,900.00	7,730.00	8,264.00	8,063.27	104.17	36.99	95.27	1,634.67	-179.46	7,050.86	6,957.44	93.42	75.478	
15,000.00	7,730.00	8,264.00	8,063.27	105.62	36.99	95.27	1,634.67	-179.46	7,135.95	7,042.53	93.42	76.385	
15,100.00	7,730.00	8,264.00	8,063.27	107.07	36.99	95.27	1,634.67	-179.46	7,221.42	7,128.00	93.42	77.297	
15,200.00	7,730.00	8,264.00	8,063.27	108.54	36.99	95.27	1,634.67	-179.46	7,307.26	7,213.84	93.43	78.214	
15,300.00	7,730.00	8,264.00	8,063.27	110.02	36.99	95.27	1,634.67	-179.46	7,393.46	7,300.03	93.43	79.134	
15,400.00	7,730.00	8,264.00	8,063.27	111.51	36.99	95.27	1,634.67	-179.46	7,480.00	7,386.57	93.43	80.057	
15,500.00	7,730.00	8,264.00	8,063.27	113.01	36.99	95.27	1,634.67	-179.46	7,566.88	7,473.44	93.44	80.985	
15,600.00	7,730.00	8,264.00	8,063.27	114.52	36.99	95.27	1,634.67	-179.46	7,654.07	7,560.63	93.44	81.916	
15,700.00	7,730.00	8,264.00	8,063.27	116.04	36.99	95.27	1,634.67	-179.46	7,741.57	7,648.13	93.44	82.850	
15,800.00	7,730.00	8,264.00	8,063.27	117.56	36.99	95.27	1,634.67	-179.46	7,829.38	7,735.93	93.44	83.787	
15,900.00	7,730.00	8,264.00	8,063.27	119.09	36.99	95.27	1,634.67	-179.46	7,917.47	7,824.02	93.45	84.727	
16,000.00	7,730.00	8,264.00	8,063.27	120.63	36.99	95.27	1,634.67	-179.46	8,005.84	7,912.39	93.45	85.670	
16,100.00	7,730.00	8,264.00	8,063.27	122.18	36.99	95.27	1,634.67	-179.46	8,094.48	8,001.03	93.45	86.615	
16,200.00	7,730.00	8,264.00	8,063.27	123.73	36.99	95.27	1,634.67	-179.46	8,183.39	8,089.93	93.46	87.564	
16,300.00	7,730.00	8,264.00	8,063.27	125.29	36.99	95.27	1,634.67	-179.46	8,272.55	8,179.09	93.46	88.514	
16,400.00	7,730.00	8,264.00	8,063.27	126.86	36.99	95.27	1,634.67	-179.46	8,361.95	8,268.48	93.46	89.467	
16,500.00	7,730.00	8,264.00	8,063.27	128.43	36.99	95.27	1,634.67	-179.46	8,451.59	8,358.12	93.47	90.422	
16,600.00	7,730.00	8,264.00	8,063.27	130.01	36.99	95.27	1,634.67	-179.46	8,541.46	8,447.99	93.47	91.379	
16,700.00	7,730.00	8,264.00	8,063.27	131.59	36.99	95.27	1,634.67	-179.46	8,631.55	8,538.08	93.48	92.338	
16,800.00	7,730.00	8,264.00	8,063.27	133.18	36.99	95.27	1,634.67	-179.46	8,721.86	8,628.38	93.48	93.299	
16,900.00	7,730.00	8,264.00	8,063.27	134.77	36.99	95.27	1,634.67	-179.46	8,812.38	8,718.89	93.49	94.261	
17,000.00	7,730.00	8,264.00	8,063.27	136.37	36.99	95.27	1,634.67	-179.46	8,903.10	8,809.61	93.49	95.226	
17,100.00	7,730.00	8,264.00	8,063.27	137.97	36.99	95.27	1,634.67	-179.46	8,994.02	8,900.52	93.50	96.191	
17,200.00	7,730.00	8,264.00	8,063.27	139.57	36.99	95.27	1,634.67	-179.46	9,085.13	8,991.62	93.51	97.159	
17,300.00	7,730.00	8,264.00	8,063.27	141.18	36.99	95.27	1,634.67	-179.46	9,176.42	9,082.91	93.52	98.127	
17,400.00	7,730.00	8,264.00	8,063.27	142.79	36.99	95.27	1,634.67	-179.46	9,267.90	9,174.37	93.52	99.097	
17,500.00	7,730.00	8,264.00	8,063.27	144.41	36.99	95.27	1,634.67	-179.46	9,359.55	9,266.01	93.53	100.068	
17,600.00	7,730.00	8,264.00	8,063.27	146.03	36.99	95.27	1,634.67	-179.46	9,451.36	9,357.82	93.54	101.040	
17,700.00	7,730.00	8,264.00	8,063.27	147.65	36.99	95.27	1,634.67	-179.46	9,543.35	9,449.80	93.55	102.014	
17,800.00	7,730.00	8,264.00	8,063.27	149.28	36.99	95.27	1,634.67	-179.46	9,635.49	9,541.93	93.56	102.988	
17,900.00	7,730.00	8,264.00	8,063.27	150.91	36.99	95.27	1,634.67	-179.46	9,727.78	9,634.21	93.57	103.963	
18,000.00	7,730.00	8,264.00	8,063.27	152.54	36.99	95.27	1,634.67	-179.46	9,820.23	9,726.65	93.58	104.939	
18,100.00	7,730.00	8,264.00	8,063.27	154.18	36.99	95.27	1,634.67	-179.46	9,912.83	9,819.24	93.59	105.915	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 6-4-22 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 107-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-23.51	218.21	-94.92	238.13				
100.00	100.00	90.57	90.57	0.13	0.14	-23.55	218.21	-95.12	238.04	237.76	0.28	858.761	
200.00	200.00	191.23	191.22	0.49	0.47	-23.69	218.06	-95.66	238.12	237.16	0.96	247.329	
300.00	300.00	294.03	294.02	0.85	0.84	-23.91	217.12	-96.25	237.52	235.83	1.69	140.743	
400.00	400.00	403.16	403.08	1.21	1.23	-24.35	213.12	-96.44	234.23	231.80	2.44	96.046	
500.00	500.00	510.70	510.29	1.57	1.62	-25.31	204.88	-96.88	227.45	224.27	3.19	71.373	
600.00	600.00	618.63	617.46	1.93	2.05	-26.93	192.19	-97.61	217.18	213.24	3.94	55.110	
700.00	700.00	728.34	725.74	2.29	2.50	-28.99	174.65	-96.79	202.68	197.97	4.70	43.088	
800.00	800.00	833.62	828.62	2.64	2.99	-32.05	152.40	-95.40	183.69	178.23	5.46	33.635	
900.00	899.98	933.63	925.58	3.00	3.49	-97.03	127.92	-94.28	162.82	156.58	6.24	26.103	
1,000.00	999.84	1,030.27	1,018.72	3.35	4.00	-105.70	102.18	-93.96	143.19	136.12	7.07	20.247	
1,100.00	1,099.45	1,125.85	1,110.57	3.71	4.53	-118.06	75.72	-93.92	128.62	120.60	8.02	16.035	
1,190.69	1,189.48	1,210.67	1,191.72	4.05	5.02	-132.06	51.02	-94.07	123.40	114.44	8.96	13.765 CC	
1,200.00	1,198.70	1,219.29	1,199.96	4.08	5.07	-133.57	48.49	-94.09	123.46	114.40	9.06	13.625 ES	
1,300.00	1,297.47	1,312.75	1,289.22	4.47	5.62	-149.78	20.79	-93.99	131.53	121.49	10.05	13.093 SF	
1,400.00	1,395.62	1,404.34	1,376.50	4.87	6.17	-163.78	-6.95	-92.78	152.11	141.23	10.88	13.986	
1,500.00	1,493.06	1,493.99	1,461.64	5.31	6.72	-174.63	-34.96	-91.23	183.55	171.96	11.59	15.834	
1,600.00	1,589.64	1,581.76	1,545.08	5.77	7.27	177.67	-62.14	-89.69	222.79	210.51	12.28	18.147	
1,700.00	1,685.27	1,669.78	1,628.59	6.28	7.82	171.97	-89.89	-87.95	267.91	254.93	12.98	20.635	
1,800.00	1,779.82	1,758.62	1,713.16	6.83	8.37	167.87	-117.00	-85.68	316.54	302.81	13.73	23.052	
1,900.00	1,873.17	1,845.13	1,795.69	7.43	8.90	164.92	-142.83	-83.04	368.16	353.67	14.49	25.408	
2,000.00	1,965.21	1,932.21	1,878.79	8.08	9.43	162.64	-168.66	-79.94	422.64	407.35	15.28	27.654	
2,100.00	2,055.84	2,022.36	1,965.29	8.79	9.97	160.95	-193.80	-76.28	478.67	462.54	16.13	29.677	
2,200.00	2,144.94	2,105.73	2,045.62	9.56	10.45	159.81	-215.84	-72.93	536.63	519.70	16.93	31.692	
2,300.00	2,232.39	2,181.15	2,118.37	10.39	10.89	158.97	-235.58	-70.45	597.48	579.80	17.68	33.788	
2,400.00	2,318.11	2,260.42	2,194.96	11.30	11.34	158.35	-255.93	-68.50	661.02	642.54	18.48	35.764	
2,504.60	2,405.78	2,330.53	2,262.81	12.31	11.73	157.84	-273.58	-67.48	730.37	711.15	19.21	38.014	
2,600.00	2,484.79	2,391.21	2,321.46	13.28	12.07	158.09	-289.11	-67.50	795.74	775.89	19.85	40.090	
2,700.00	2,567.60	2,454.90	2,383.03	14.32	12.43	158.38	-305.38	-68.54	865.03	844.52	20.51	42.177	
2,800.00	2,650.41	2,526.32	2,452.13	15.37	12.83	158.75	-323.25	-70.68	934.73	913.49	21.24	44.008	
2,900.00	2,733.23	2,605.13	2,528.50	16.44	13.26	159.12	-342.58	-73.17	1,004.26	982.21	22.05	45.546	
3,000.00	2,816.04	2,685.67	2,606.38	17.52	13.71	159.31	-363.10	-73.78	1,073.11	1,050.22	22.89	46.880	
3,100.00	2,898.85	2,758.49	2,676.64	18.60	14.13	159.37	-382.19	-73.24	1,141.63	1,117.96	23.67	48.226	
3,200.00	2,981.67	2,819.04	2,734.86	19.69	14.49	159.37	-398.84	-72.52	1,210.62	1,186.28	24.34	49.732	
3,300.00	3,064.48	2,912.29	2,824.30	20.79	15.05	159.31	-425.14	-70.59	1,279.62	1,254.26	25.36	50.449	
3,400.00	3,147.30	2,985.28	2,894.37	21.90	15.48	159.23	-445.41	-68.07	1,347.65	1,321.46	26.18	51.467	
3,500.00	3,230.11	3,049.59	2,956.05	23.00	15.87	159.17	-463.50	-66.02	1,416.00	1,389.08	26.92	52.599	
3,600.00	3,312.92	3,109.87	3,013.69	24.12	16.24	159.09	-481.06	-64.13	1,484.93	1,457.31	27.62	53.765	
3,700.00	3,395.74	3,166.30	3,067.54	25.23	16.59	159.03	-497.86	-62.71	1,554.52	1,526.24	28.28	54.976	
3,800.00	3,478.55	3,230.97	3,129.26	26.35	16.99	158.99	-517.14	-61.98	1,624.78	1,595.76	29.02	55.986	
3,900.00	3,561.36	3,325.28	3,219.60	27.47	17.56	158.98	-544.20	-61.07	1,694.53	1,664.45	30.08	56.328	
4,000.00	3,644.18	3,413.47	3,304.26	28.59	18.09	158.96	-568.84	-59.37	1,763.39	1,732.31	31.08	56.739	
4,100.00	3,726.99	3,483.78	3,371.67	29.72	18.51	158.92	-588.75	-57.42	1,832.06	1,800.16	31.89	57.444	
4,200.00	3,809.81	3,553.61	3,419.31	30.85	18.82	158.89	-603.27	-56.03	1,901.17	1,868.68	32.49	58.514	
4,300.00	3,892.62	3,584.00	3,467.35	31.98	19.14	158.85	-618.47	-55.03	1,971.21	1,938.12	33.09	59.565	
4,400.00	3,975.43	3,629.83	3,510.97	33.11	19.42	158.82	-632.52	-54.66	2,042.08	2,008.44	33.64	60.706	
4,500.00	4,058.25	3,679.46	3,558.21	34.24	19.74	158.82	-647.70	-55.01	2,113.66	2,079.44	34.22	61.760	
4,600.00	4,141.06	3,750.52	3,625.93	35.37	20.18	158.84	-669.19	-56.22	2,185.55	2,150.50	35.04	62.370	
4,700.00	4,223.87	3,830.66	3,702.44	36.50	20.68	158.88	-693.03	-57.78	2,257.28	2,221.32	35.96	62.775	
4,800.00	4,306.69	3,916.26	3,784.25	37.64	21.20	158.91	-718.17	-59.04	2,328.58	2,291.65	36.94	63.043	
4,900.00	4,389.50	4,015.70	3,879.39	38.77	21.81	158.94	-747.08	-59.57	2,399.30	2,361.24	38.07	63.026	
5,000.00	4,472.32	5,000.00	3,988.33	39.91	27.60	158.97	-778.32	-58.89	2,468.47	2,424.74	43.73	56.449	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 6-4-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 107-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,215.87	4,072.12	41.05	22.98	159.01	-801.10	-58.21	2,536.92	2,496.60	40.31	62.927		
5,200.00	4,637.94	4,265.54	4,120.09	42.18	23.27	159.05	-814.01	-58.25	2,605.74	2,564.85	40.90	63.715		
5,300.00	4,720.76	4,306.40	4,159.47	43.32	23.51	159.08	-824.89	-58.68	2,675.37	2,633.99	41.38	64.651		
5,400.00	4,803.57	4,356.92	4,208.05	44.46	23.80	159.12	-838.69	-59.68	2,745.79	2,703.83	41.97	65.430		
5,500.00	4,886.39	4,433.67	4,281.90	45.60	24.25	159.19	-859.52	-61.44	2,816.31	2,773.48	42.83	65.760		
5,600.00	4,969.20	4,479.63	4,326.09	46.74	24.52	159.23	-872.11	-62.62	2,887.08	2,843.72	43.36	66.582		
5,700.00	5,052.01	4,529.30	4,373.73	47.88	24.82	159.27	-886.08	-64.06	2,958.41	2,914.47	43.94	67.336		
5,800.00	5,134.83	4,603.60	4,444.87	49.02	25.27	159.31	-907.40	-65.99	3,029.90	2,985.12	44.78	67.656		
5,900.00	5,217.64	4,794.32	4,627.94	50.16	26.41	159.35	-960.85	-66.62	3,099.89	3,052.99	46.90	66.096		
6,000.00	5,300.45	5,016.54	4,843.98	51.30	27.60	159.51	-1,012.69	-64.11	3,166.23	3,117.04	49.19	64.371		
6,100.00	5,383.27	5,131.70	4,956.63	52.45	28.18	159.61	-1,036.49	-61.55	3,230.89	3,180.51	50.38	64.131		
6,200.00	5,466.08	5,404.98	5,227.19	53.59	29.30	160.23	-1,073.90	-62.42	3,293.34	3,240.67	52.67	62.527		
6,300.00	5,548.90	5,751.20	5,573.03	54.73	30.23	161.41	-1,084.55	-61.89	3,346.74	3,291.89	54.85	61.014		
6,400.00	5,631.71	5,835.45	5,657.28	55.87	30.41	161.70	-1,084.20	-61.04	3,399.91	3,344.37	55.54	61.217		
6,500.00	5,714.52	5,909.51	5,731.33	57.02	30.57	161.95	-1,083.83	-60.49	3,453.25	3,397.08	56.17	61.477		
6,600.00	5,797.34	5,990.84	5,812.66	58.16	30.75	162.22	-1,083.47	-60.05	3,506.80	3,449.96	56.84	61.700		
6,700.00	5,880.15	6,073.83	5,895.65	59.30	30.92	162.49	-1,083.08	-59.62	3,560.41	3,502.90	57.51	61.912		
6,800.00	5,962.96	6,155.13	5,976.95	60.45	31.10	162.75	-1,082.61	-59.32	3,614.10	3,555.93	58.17	62.133		
6,900.00	6,045.78	6,232.78	6,054.61	61.59	31.26	163.00	-1,082.09	-59.20	3,667.92	3,609.11	58.80	62.374		
7,000.00	6,128.59	6,305.61	6,127.42	62.73	31.42	163.22	-1,081.62	-59.30	3,721.97	3,662.56	59.42	62.643		
7,100.00	6,211.41	6,375.32	6,197.13	63.88	31.57	163.44	-1,081.29	-59.63	3,776.39	3,716.38	60.01	62.929		
7,200.00	6,294.22	6,470.66	6,292.48	65.02	31.78	163.72	-1,080.83	-60.09	3,830.85	3,770.12	60.73	63.078		
7,300.00	6,377.03	6,571.72	6,393.53	66.17	32.00	164.01	-1,079.95	-60.19	3,884.88	3,823.40	61.48	63.186		
7,400.00	6,459.85	6,640.14	6,461.95	67.31	32.15	164.20	-1,079.39	-60.27	3,939.04	3,876.97	62.07	63.460		
7,500.00	6,542.66	6,739.76	6,561.56	68.46	32.37	164.47	-1,078.47	-60.50	3,993.24	3,930.42	62.82	63.571		
7,600.00	6,625.48	6,843.44	6,665.23	69.60	32.60	164.75	-1,077.12	-60.42	4,047.08	3,983.50	63.58	63.652		
7,700.00	6,708.29	6,928.91	6,750.70	70.75	32.80	164.96	-1,076.21	-59.88	4,100.77	4,036.51	64.27	63.810		
7,800.00	6,791.10	7,034.42	6,856.20	71.89	33.05	165.21	-1,075.32	-58.42	4,154.14	4,089.08	65.07	63.844		
7,900.00	6,873.92	7,108.12	6,929.88	73.04	33.23	165.37	-1,074.87	-57.17	4,207.50	4,141.80	65.71	64.036		
8,000.00	6,956.73	7,172.22	6,993.97	74.18	33.39	165.51	-1,074.65	-56.21	4,261.18	4,194.89	66.29	64.277		
8,100.00	7,039.54	7,237.72	7,059.47	75.33	33.55	165.65	-1,074.55	-55.54	4,315.27	4,248.38	66.89	64.516		
8,165.32	7,093.63	7,281.72	7,103.47	76.08	33.66	165.74	-1,074.47	-55.28	4,350.79	4,283.51	67.28	64.669		
8,200.00	7,122.60	7,298.00	7,119.75	76.47	33.70	165.93	-1,074.44	-55.22	4,369.13	4,301.69	67.45	64.780		
8,250.00	7,165.05	7,332.85	7,154.60	77.01	33.79	149.74	-1,074.43	-55.16	4,393.54	4,325.79	67.76	64.843		
8,300.00	7,208.03	7,361.91	7,183.66	77.52	33.87	139.83	-1,074.50	-55.18	4,415.45	4,347.41	68.04	64.898		
8,350.00	7,251.22	7,391.13	7,212.88	77.99	33.94	129.97	-1,074.64	-55.25	4,434.70	4,366.39	68.32	64.912		
8,400.00	7,294.28	7,473.76	7,295.51	78.41	34.17	120.87	-1,075.15	-55.03	4,450.94	4,382.02	68.92	64.581		
8,450.00	7,336.90	7,528.45	7,350.19	78.78	34.32	112.45	-1,075.56	-54.38	4,463.93	4,394.58	69.36	64.362		
8,500.00	7,378.73	7,578.19	7,399.92	79.10	34.46	105.08	-1,076.08	-53.54	4,473.81	4,404.06	69.76	64.132		
8,550.00	7,419.47	7,611.39	7,433.12	79.37	34.56	98.74	-1,076.52	-52.91	4,480.63	4,410.58	70.06	63.956		
8,600.00	7,458.81	7,643.62	7,465.33	79.59	34.65	93.53	-1,077.02	-52.30	4,484.45	4,414.11	70.34	63.753		
8,650.00	7,496.44	7,672.00	7,493.70	79.76	34.73	89.33	-1,077.52	-51.78	4,485.28	4,414.68	70.59	63.538		
8,700.00	7,532.08	7,700.46	7,522.16	79.88	34.81	86.06	-1,078.06	-51.30	4,483.16	4,412.32	70.83	63.290		
8,750.00	7,565.46	7,725.00	7,546.68	79.95	34.89	83.59	-1,078.54	-50.95	4,478.16	4,407.11	71.04	63.033		
8,800.00	7,596.33	7,747.72	7,569.41	79.98	34.95	81.84	-1,079.00	-50.67	4,470.34	4,399.10	71.23	62.755		
8,850.00	7,624.44	7,766.00	7,587.68	79.97	35.01	80.70	-1,079.37	-50.49	4,459.79	4,388.40	71.39	62.470		
8,900.00	7,649.59	7,766.00	7,587.68	79.93	35.01	79.96	-1,079.37	-50.49	4,446.69	4,375.26	71.42	62.260		
8,950.00	7,671.59	7,794.23	7,615.90	79.84	35.09	80.10	-1,079.99	-50.30	4,430.98	4,359.34	71.64	61.853		
9,000.00	7,690.26	7,804.84	7,626.51	79.73	35.12	80.56	-1,080.24	-50.26	4,412.95	4,341.21	71.74	61.516		
9,050.00	7,705.47	7,813.63	7,635.30	79.59	35.15	81.51	-1,080.46	-50.25	4,392.68	4,320.86	71.83	61.156		
9,100.00	7,717.09	7,820.54	7,642.20	79.43	35.17	82.93	-1,080.63	-50.25	4,370.32	4,298.41	71.91	60.774		
9,150.00	7,725.04	7,825.50	7,647.16	79.26	35.19	84.82	-1,080.76	-50.25	4,346.01	4,274.02	71.99	60.370		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 6-4-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 107-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,828.48	7,650.14	79.06	35.20	87.18	-1,080.83	-50.26	4,319.94	4,247.87	72.07	59.944		
9,231.13	7,730.00	7,829.32	7,650.97	78.93	35.20	88.88	-1,080.86	-50.26	4,302.88	4,230.77	72.11	59.667		
9,300.00	7,730.00	7,830.30	7,651.95	78.65	35.20	88.89	-1,080.88	-50.26	4,264.88	4,192.66	72.23	59.049		
9,400.00	7,730.00	7,831.73	7,653.99	78.26	35.21	88.92	-1,080.92	-50.27	4,211.10	4,138.69	72.41	58.153		
9,500.00	7,730.00	7,833.18	7,654.83	77.89	35.21	88.94	-1,080.96	-50.27	4,159.03	4,086.39	72.64	57.257		
9,600.00	7,730.00	7,834.64	7,656.29	77.53	35.21	88.96	-1,081.00	-50.27	4,108.73	4,035.83	72.90	56.362		
9,700.00	7,730.00	7,836.11	7,657.77	77.19	35.22	88.99	-1,081.04	-50.28	4,060.27	3,987.07	73.20	55.471		
9,800.00	7,730.00	7,837.60	7,659.26	76.88	35.22	89.01	-1,081.08	-50.28	4,013.71	3,940.18	73.53	54.584		
9,900.00	7,730.00	7,839.11	7,660.76	76.58	35.23	89.03	-1,081.12	-50.29	3,969.13	3,895.22	73.91	53.703		
10,000.00	7,730.00	7,840.62	7,662.28	76.30	35.23	89.06	-1,081.16	-50.30	3,926.59	3,852.27	74.32	52.830		
10,100.00	7,730.00	7,842.16	7,663.81	76.04	35.24	89.08	-1,081.20	-50.30	3,886.16	3,811.37	74.78	51.967		
10,200.00	7,730.00	7,843.71	7,665.36	75.79	35.24	89.11	-1,081.24	-50.31	3,847.89	3,772.62	75.28	51.116		
10,300.00	7,730.00	7,859.00	7,680.65	75.57	35.29	89.35	-1,081.67	-50.40	3,811.92	3,735.98	75.94	50.199		
10,400.00	7,730.00	7,859.00	7,680.65	75.36	35.29	89.35	-1,081.67	-50.40	3,778.19	3,701.69	76.50	49.389		
10,500.00	7,730.00	7,859.00	7,680.65	75.18	35.29	89.35	-1,081.67	-50.40	3,746.82	3,669.73	77.10	48.599		
10,600.00	7,730.00	7,859.00	7,680.65	75.01	35.29	89.35	-1,081.67	-50.40	3,717.89	3,640.16	77.73	47.831		
10,700.00	7,730.00	7,859.00	7,680.65	74.86	35.29	89.35	-1,081.67	-50.40	3,691.43	3,613.04	78.39	47.089		
10,800.00	7,730.00	7,859.00	7,680.65	74.74	35.29	89.35	-1,081.67	-50.40	3,667.52	3,588.43	79.09	46.373		
10,900.00	7,730.00	7,859.00	7,680.65	74.64	35.29	89.35	-1,081.67	-50.40	3,646.19	3,566.38	79.81	45.688		
11,000.00	7,730.00	7,859.00	7,680.65	74.56	35.29	89.35	-1,081.67	-50.40	3,627.49	3,546.94	80.55	45.035		
11,100.00	7,730.00	7,859.00	7,680.65	74.51	35.29	89.35	-1,081.67	-50.40	3,611.46	3,530.15	81.31	44.416		
11,200.00	7,730.00	7,859.00	7,680.65	74.48	35.29	89.35	-1,081.67	-50.40	3,598.15	3,516.06	82.09	43.834		
11,300.00	7,730.00	7,859.00	7,680.65	74.48	35.29	89.35	-1,081.67	-50.40	3,587.57	3,504.70	82.87	43.290		
11,400.00	7,730.00	7,859.00	7,680.65	74.50	35.29	89.35	-1,081.67	-50.40	3,579.76	3,496.09	83.67	42.786		
11,500.00	7,730.00	7,859.00	7,680.65	74.56	35.29	89.35	-1,081.67	-50.40	3,574.72	3,490.26	84.46	42.323		
11,600.00	7,730.00	7,859.00	7,680.65	74.66	35.29	89.35	-1,081.67	-50.40	3,572.48	3,487.23	85.26	41.902		
11,630.02	7,730.00	7,859.00	7,680.65	74.69	35.29	89.35	-1,081.67	-50.40	3,572.36	3,486.86	85.50	41.782		
11,700.00	7,730.00	7,859.00	7,680.65	74.79	35.29	89.35	-1,081.67	-50.40	3,573.04	3,487.00	86.05	41.524		
11,800.00	7,730.00	7,859.00	7,680.65	74.96	35.29	89.35	-1,081.67	-50.40	3,576.40	3,489.57	86.83	41.190		
11,900.00	7,730.00	7,859.00	7,680.65	75.17	35.29	89.35	-1,081.67	-50.40	3,582.54	3,494.95	87.59	40.899		
12,000.00	7,730.00	7,859.00	7,680.65	75.43	35.29	89.35	-1,081.67	-50.40	3,591.67	3,503.12	88.35	40.653		
12,100.00	7,730.00	7,859.00	7,680.65	75.73	35.29	89.35	-1,081.67	-50.40	3,603.14	3,514.06	89.08	40.450		
12,200.00	7,730.00	7,859.00	7,680.65	76.09	35.29	89.35	-1,081.67	-50.40	3,617.54	3,527.76	89.79	40.290		
12,300.00	7,730.00	7,859.00	7,680.65	76.51	35.29	89.35	-1,081.67	-50.40	3,634.64	3,544.17	90.47	40.174		
12,400.00	7,730.00	7,877.90	7,699.54	76.97	35.35	89.66	-1,082.23	-50.59	3,654.30	3,563.01	91.29	40.028		
12,500.00	7,730.00	7,879.48	7,701.12	77.50	35.35	89.68	-1,082.28	-50.61	3,676.66	3,584.72	91.94	39.991		
12,600.00	7,730.00	7,881.08	7,702.71	78.09	35.36	89.71	-1,082.32	-50.63	3,701.58	3,609.03	92.55	39.995		
12,700.00	7,730.00	7,882.68	7,704.32	78.74	35.36	89.73	-1,082.37	-50.65	3,729.01	3,635.88	93.13	40.040		
12,800.00	7,730.00	7,884.30	7,705.93	79.45	35.37	89.76	-1,082.42	-50.68	3,758.91	3,665.22	93.68	40.123		
12,900.00	7,730.00	7,885.93	7,707.56	80.22	35.37	89.78	-1,082.47	-50.70	3,791.20	3,697.00	94.20	40.244		
13,000.00	7,730.00	7,887.58	7,709.21	81.05	35.38	89.81	-1,082.52	-50.73	3,825.84	3,731.15	94.69	40.402		
13,100.00	7,730.00	7,889.23	7,710.86	81.94	35.38	89.84	-1,082.57	-50.75	3,862.75	3,767.60	95.15	40.596		
13,200.00	7,730.00	7,890.91	7,712.54	82.87	35.39	89.86	-1,082.63	-50.78	3,901.88	3,806.30	95.58	40.824		
13,300.00	7,730.00	7,892.59	7,714.22	83.86	35.39	89.89	-1,082.68	-50.81	3,943.16	3,847.18	95.97	41.086		
13,400.00	7,730.00	7,894.29	7,715.92	84.90	35.40	89.92	-1,082.73	-50.83	3,986.51	3,890.17	96.34	41.379		
13,500.00	7,730.00	7,896.01	7,717.63	85.97	35.40	89.95	-1,082.79	-50.86	4,031.88	3,935.20	96.68	41.704		
13,600.00	7,730.00	7,897.73	7,719.36	87.09	35.41	89.97	-1,082.84	-50.90	4,079.19	3,982.20	96.99	42.058		
13,700.00	7,730.00	7,899.48	7,721.10	88.25	35.41	90.00	-1,082.90	-50.93	4,128.39	4,031.11	97.28	42.440		
13,800.00	7,730.00	7,901.24	7,722.86	89.44	35.42	90.03	-1,082.95	-50.96	4,179.39	4,081.86	97.54	42.850		
13,900.00	7,730.00	7,903.01	7,724.63	90.66	35.42	90.06	-1,083.01	-50.99	4,232.14	4,134.37	97.77	43.286		
14,000.00	7,730.00	7,904.80	7,726.42	91.92	35.43	90.09	-1,083.07	-51.03	4,286.58	4,188.59	97.98	43.747		
14,100.00	7,730.00	7,906.60	7,728.22	93.20	35.44	90.12	-1,083.12	-51.07	4,342.63	4,244.46	98.18	44.233		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 6-4-22 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 107-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,200.00	7,730.00	7,908.42	7,730.04	94.50	35.44	90.14	-1,083.18	-51.10	4,400.25	4,301.90	98.35	44.741	
14,300.00	7,730.00	7,910.25	7,731.87	95.83	35.45	90.17	-1,083.24	-51.14	4,459.36	4,360.85	98.50	45.272	
14,400.00	7,730.00	7,912.10	7,733.72	97.17	35.45	90.20	-1,083.30	-51.18	4,519.90	4,421.27	98.64	45.823	
14,500.00	7,730.00	7,913.97	7,735.58	98.54	35.46	90.23	-1,083.36	-51.22	4,581.83	4,483.08	98.76	46.395	
14,600.00	7,730.00	7,915.85	7,737.47	99.92	35.46	90.26	-1,083.43	-51.27	4,645.09	4,546.23	98.86	46.986	
14,700.00	7,730.00	7,917.75	7,739.36	101.32	35.47	90.29	-1,083.49	-51.31	4,709.62	4,610.67	98.95	47.596	
14,800.00	7,730.00	7,919.67	7,741.28	102.74	35.48	90.33	-1,083.55	-51.36	4,775.36	4,676.34	99.03	48.223	
14,900.00	7,730.00	7,921.60	7,743.21	104.17	35.48	90.36	-1,083.62	-51.40	4,842.28	4,743.19	99.09	48.866	
15,000.00	7,730.00	7,923.55	7,745.16	105.62	35.49	90.39	-1,083.68	-51.45	4,910.33	4,811.18	99.15	49.526	
15,100.00	7,730.00	8,264.96	8,086.07	107.07	36.61	95.84	-1,099.66	-48.19	4,979.30	4,878.23	101.07	49.266	
15,200.00	7,730.00	8,292.63	8,113.66	108.54	36.71	96.28	-1,101.51	-47.09	5,049.13	4,947.91	101.21	49.886	
15,300.00	7,730.00	8,326.06	8,146.98	110.02	36.82	96.81	-1,103.98	-45.76	5,119.91	5,018.53	101.38	50.503	
15,400.00	7,730.00	15,400.00	8,117.37	111.51	62.30	96.34	-1,101.99	-46.94	5,191.54	5,067.47	124.07	41.844	
15,500.00	7,730.00	15,500.00	8,124.07	113.01	62.67	96.44	-1,102.44	-46.67	5,264.22	5,139.84	124.37	42.325	
15,600.00	7,730.00	15,600.00	8,130.77	114.52	63.04	96.55	-1,102.89	-46.41	5,337.77	5,213.09	124.68	42.813	
15,700.00	7,730.00	8,343.83	8,164.68	116.04	36.89	97.09	-1,105.34	-45.07	5,412.12	5,310.77	101.36	53.397	
15,800.00	7,730.00	8,347.93	8,168.76	117.56	36.90	97.16	-1,105.65	-44.91	5,487.29	5,385.95	101.33	54.150	
15,900.00	7,730.00	8,351.97	8,172.79	119.09	36.92	97.22	-1,105.95	-44.76	5,563.23	5,461.92	101.31	54.913	
16,000.00	7,730.00	8,355.97	8,176.77	120.63	36.93	97.28	-1,106.25	-44.61	5,639.91	5,538.63	101.28	55.687	
16,100.00	7,730.00	8,359.91	8,180.70	122.18	36.95	97.35	-1,106.54	-44.47	5,717.31	5,616.06	101.25	56.470	
16,200.00	7,730.00	8,363.80	8,184.57	123.73	36.96	97.41	-1,106.82	-44.32	5,795.40	5,694.19	101.21	57.261	
16,300.00	7,730.00	8,367.64	8,188.40	125.29	36.97	97.47	-1,107.10	-44.19	5,874.15	5,772.98	101.17	58.062	
16,400.00	7,730.00	8,371.43	8,192.18	126.86	36.99	97.53	-1,107.38	-44.05	5,953.53	5,852.40	101.13	58.871	
16,500.00	7,730.00	8,375.18	8,195.92	128.43	37.00	97.59	-1,107.65	-43.92	6,033.51	5,932.43	101.08	59.688	
16,600.00	7,730.00	8,378.88	8,199.61	130.01	37.01	97.65	-1,107.91	-43.79	6,114.09	6,013.05	101.04	60.512	
16,700.00	7,730.00	8,382.53	8,203.25	131.59	37.03	97.70	-1,108.17	-43.66	6,195.22	6,094.23	100.99	61.344	
16,800.00	7,730.00	8,386.14	8,206.85	133.18	37.04	97.76	-1,108.43	-43.54	6,276.90	6,175.96	100.94	62.183	
16,900.00	7,730.00	8,389.71	8,210.40	134.77	37.05	97.82	-1,108.68	-43.42	6,359.10	6,258.20	100.89	63.028	
17,000.00	7,730.00	8,393.23	8,213.91	136.37	37.06	97.87	-1,108.93	-43.30	6,441.79	6,340.95	100.84	63.879	
17,100.00	7,730.00	8,396.71	8,217.38	137.97	37.08	97.93	-1,109.17	-43.18	6,524.97	6,424.17	100.79	64.737	
17,200.00	7,730.00	8,400.14	8,220.81	139.57	37.09	97.98	-1,109.40	-43.07	6,608.61	6,507.86	100.74	65.600	
17,300.00	7,730.00	8,420.00	8,240.61	141.18	37.16	98.29	-1,110.75	-42.44	6,692.73	6,591.97	100.76	66.421	
17,400.00	7,730.00	8,420.00	8,240.61	142.79	37.16	98.29	-1,110.75	-42.44	6,777.23	6,676.53	100.70	67.304	
17,500.00	7,730.00	8,420.00	8,240.61	144.41	37.16	98.29	-1,110.75	-42.44	6,862.14	6,761.52	100.63	68.192	
17,600.00	7,730.00	8,420.00	8,240.61	146.03	37.16	98.29	-1,110.75	-42.44	6,947.46	6,846.90	100.56	69.085	
17,700.00	7,730.00	8,420.00	8,240.61	147.65	37.16	98.29	-1,110.75	-42.44	7,033.16	6,932.67	100.50	69.983	
17,800.00	7,730.00	8,420.00	8,240.61	149.28	37.16	98.29	-1,110.75	-42.44	7,119.24	7,018.81	100.43	70.885	
17,900.00	7,730.00	8,420.00	8,240.61	150.91	37.16	98.29	-1,110.75	-42.44	7,205.68	7,105.31	100.37	71.791	
18,000.00	7,730.00	8,420.00	8,240.61	152.54	37.16	98.29	-1,110.75	-42.44	7,292.46	7,192.15	100.31	72.701	
18,100.00	7,730.00	8,420.00	8,240.61	154.18	37.16	98.29	-1,110.75	-42.44	7,379.58	7,279.33	100.25	73.615	
18,200.00	7,730.00	8,420.00	8,240.61	155.82	37.16	98.29	-1,110.75	-42.44	7,467.02	7,366.83	100.19	74.532	
18,300.00	7,730.00	8,420.00	8,240.61	157.46	37.16	98.29	-1,110.75	-42.44	7,554.77	7,454.64	100.13	75.453	
18,400.00	7,730.00	8,420.00	8,240.61	159.11	37.16	98.29	-1,110.75	-42.44	7,642.82	7,542.75	100.07	76.377	
18,500.00	7,730.00	8,420.00	8,240.61	160.75	37.16	98.29	-1,110.75	-42.44	7,731.16	7,631.15	100.01	77.304	
18,600.00	7,730.00	8,420.00	8,240.61	162.40	37.16	98.29	-1,110.75	-42.44	7,819.79	7,719.83	99.95	78.234	
18,700.00	7,730.00	8,445.32	8,265.86	164.05	37.25	98.69	-1,112.38	-41.69	7,908.59	7,808.59	100.00	79.085	
18,800.00	7,730.00	8,447.98	8,268.52	165.71	37.26	98.74	-1,112.55	-41.62	7,997.72	7,897.77	99.96	80.011	
18,900.00	7,730.00	8,450.62	8,271.15	167.36	37.27	98.78	-1,112.72	-41.54	8,087.11	7,987.20	99.92	80.939	
18,942.39	7,730.00	8,451.73	8,272.25	168.07	37.27	98.79	-1,112.79	-41.51	8,125.08	8,025.18	99.90	81.334	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 8-2-22 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 139-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-19.04	218.21	-75.32	231.02				
100.00	100.00	88.94	88.94	0.13	0.15	-18.99	218.65	-75.25	231.25	230.97	0.28	823.656	
200.00	200.00	190.77	190.76	0.49	0.41	-18.75	219.88	-74.64	232.20	231.30	0.90	256.992	
300.00	300.00	297.35	297.27	0.85	0.79	-17.88	219.69	-70.88	230.93	229.28	1.64	140.404	
400.00	400.00	402.14	401.71	1.21	1.18	-16.05	218.00	-62.73	227.10	224.71	2.39	95.037	
500.00	500.00	503.36	502.11	1.57	1.58	-13.04	216.14	-50.06	222.14	218.99	3.14	70.687	
600.00	600.00	609.48	606.86	1.93	2.03	-8.96	212.51	-33.52	215.72	211.77	3.95	54.649	
700.00	700.00	707.17	702.69	2.29	2.49	-4.15	208.12	-15.09	208.99	204.24	4.75	43.972	
800.00	800.00	798.11	791.25	2.64	2.94	1.50	205.55	5.37	205.62	200.05	5.57	36.905	
801.58	801.58	799.42	792.52	2.65	2.94	-58.00	205.54	5.69	205.62	200.03	5.58	36.821	
900.00	899.98	882.85	873.32	3.00	3.38	-52.63	207.87	26.32	209.22	202.86	6.36	32.887	
1,000.00	999.84	985.68	972.67	3.35	3.93	-46.84	211.95	52.48	214.30	207.05	7.26	29.525	
1,100.00	1,099.45	1,085.10	1,068.69	3.71	4.48	-41.90	213.92	78.22	216.99	208.86	8.13	26.695	
1,200.00	1,198.70	1,182.99	1,162.95	4.08	5.04	-37.50	215.82	104.55	218.82	209.84	8.98	24.356	
1,300.00	1,297.47	1,281.09	1,257.55	4.47	5.59	-33.87	218.26	130.39	219.28	209.45	9.82	22.320	
1,389.52	1,385.37	1,364.57	1,338.32	4.83	6.06	-31.70	222.07	151.10	218.87	208.35	10.53	20.794	
1,400.00	1,395.62	1,374.12	1,347.54	4.87	6.11	-31.48	222.67	153.52	218.88	208.27	10.60	20.641	
1,500.00	1,493.06	1,472.51	1,442.37	5.31	6.67	-29.54	229.78	178.77	218.41	206.97	11.44	19.097	
1,600.00	1,589.64	1,570.59	1,536.85	5.77	7.23	-27.99	236.82	204.13	215.19	202.92	12.26	17.548	
1,700.00	1,685.27	1,667.00	1,629.45	6.28	7.79	-26.81	244.72	229.82	210.33	197.24	13.09	16.071	
1,800.00	1,779.82	1,768.21	1,726.69	6.83	8.38	-26.27	254.16	256.20	203.05	189.06	13.99	14.518	
1,900.00	1,873.17	1,868.29	1,823.13	7.43	8.95	-26.39	263.26	281.36	191.93	177.02	14.91	12.876	
2,000.00	1,965.21	1,973.93	1,925.31	8.08	9.54	-26.99	270.89	307.05	175.68	159.75	15.92	11.032	
2,100.00	2,055.84	2,070.68	2,019.09	8.79	10.07	-28.16	276.54	330.14	155.00	138.08	16.92	9.160	
2,200.00	2,144.94	2,166.30	2,111.60	9.56	10.61	-30.25	282.54	353.58	132.13	114.12	18.01	7.336	
2,300.00	2,232.39	2,262.84	2,204.88	10.39	11.16	-34.25	289.26	377.54	107.37	88.05	19.31	5.559	
2,400.00	2,318.11	2,359.70	2,298.80	11.30	11.69	-42.84	295.15	400.45	79.53	58.46	21.07	3.774	
2,504.60	2,405.78	2,457.67	2,394.03	12.31	12.22	-64.33	300.84	422.73	51.70	27.81	23.89	2.164	
2,592.18	2,478.31	2,539.37	2,473.47	13.20	12.66	-100.40	305.86	441.17	41.11	16.17	24.95	1.648 CC, ES, SF	
2,600.00	2,484.79	2,546.77	2,480.66	13.28	12.71	-104.12	306.29	442.87	41.20	16.43	24.77	1.663	
2,700.00	2,567.60	2,641.11	2,572.05	14.32	13.23	-143.29	310.67	465.83	55.22	33.59	21.63	2.553	
2,800.00	2,650.41	2,734.17	2,662.18	15.37	13.76	-162.90	313.95	488.78	83.53	62.43	21.09	3.960	
2,900.00	2,733.23	2,828.33	2,753.24	16.44	14.29	-172.20	317.98	512.39	115.81	94.00	21.81	5.310	
3,000.00	2,816.04	2,921.24	2,843.03	17.52	14.83	-177.72	321.16	536.06	149.65	126.87	22.78	6.569	
3,100.00	2,898.85	3,015.22	2,933.81	18.60	15.37	-178.60	323.93	560.20	184.35	160.51	23.83	7.735	
3,200.00	2,981.67	3,110.53	3,025.75	19.69	15.92	-176.24	327.79	585.01	218.66	193.78	24.89	8.787	
3,300.00	3,064.48	3,204.41	3,116.43	20.79	16.46	-174.98	333.23	608.71	252.88	227.01	25.87	9.774	
3,400.00	3,147.30	3,297.57	3,206.47	21.90	16.99	-174.17	339.19	631.87	287.17	260.34	26.83	10.704	
3,500.00	3,230.11	3,388.87	3,294.91	23.00	17.51	-173.64	345.05	653.78	322.15	294.40	27.75	11.611	
3,600.00	3,312.92	3,480.69	3,383.92	24.12	18.02	-173.19	350.66	675.57	357.54	328.88	28.67	12.473	
3,700.00	3,395.74	3,569.63	3,470.28	25.23	18.51	-172.68	354.74	696.47	393.97	364.40	29.58	13.320	
3,800.00	3,478.55	3,664.30	3,562.09	26.35	19.03	-172.09	358.23	719.25	430.52	399.95	30.57	14.082	
3,900.00	3,561.36	3,755.70	3,650.85	27.47	19.53	-171.68	361.98	740.79	467.24	435.72	31.52	14.824	
4,000.00	3,644.18	3,850.63	3,742.96	28.59	20.06	-171.30	365.81	763.42	503.81	471.31	32.50	15.501	
4,100.00	3,726.99	3,942.04	3,831.67	29.72	20.56	-170.98	369.53	785.11	540.46	507.01	33.45	16.158	
4,200.00	3,809.81	4,035.37	3,922.31	30.85	21.07	-170.74	373.53	807.00	577.20	542.80	34.40	16.778	
4,300.00	3,892.62	4,128.45	4,012.86	31.98	21.57	-170.68	378.76	827.95	613.88	578.56	35.32	17.382	
4,400.00	3,975.43	4,218.72	4,100.72	33.11	22.06	-170.63	383.68	848.05	650.84	614.64	36.20	17.979	
4,500.00	4,058.25	4,315.20	4,194.55	34.24	22.57	-170.55	388.84	869.92	687.55	650.40	37.15	18.505	
4,600.00	4,141.06	4,395.88	4,273.19	35.37	23.00	-170.55	393.32	887.33	724.96	687.03	37.93	19.114	
4,700.00	4,223.87	4,496.26	4,371.01	36.50	23.53	-170.46	397.84	909.39	762.69	723.76	38.93	19.591	
4,800.00	4,306.69	4,587.86	4,460.11	37.64	24.02	-170.33	401.53	930.35	800.03	760.17	39.86	20.069	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation









# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 15C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	15,353.00	7,799.48	0.00	138.96	68.27	1,834.80	4,603.76	9,360.14					
100.00	100.00	15,353.00	7,799.48	0.13	138.96	68.27	1,834.80	4,603.76	9,275.46	9,187.14	88.32	105.016		
200.00	200.00	15,353.00	7,799.48	0.49	138.96	68.27	1,834.80	4,603.76	9,191.09	9,102.35	88.74	103.578		
300.00	300.00	15,353.00	7,799.48	0.85	138.96	68.27	1,834.80	4,603.76	9,107.03	9,017.85	89.18	102.120		
400.00	400.00	15,353.00	7,799.48	1.21	138.96	68.27	1,834.80	4,603.76	9,023.30	8,933.65	89.65	100.646		
500.00	500.00	15,353.00	7,799.48	1.57	138.96	68.27	1,834.80	4,603.76	8,939.90	8,849.74	90.16	99.158		
600.00	600.00	15,353.00	7,799.48	1.93	138.96	68.27	1,834.80	4,603.76	8,856.85	8,766.16	90.69	97.659		
700.00	700.00	15,353.00	7,799.48	2.29	138.96	68.27	1,834.80	4,603.76	8,774.15	8,682.89	91.25	96.153		
800.00	800.00	15,353.00	7,799.48	2.64	138.96	68.27	1,834.80	4,603.76	8,691.81	8,599.97	91.84	94.643		
900.00	899.98	15,353.00	7,799.48	3.00	138.96	9.14	1,834.80	4,603.76	8,608.87	8,516.42	92.45	93.120		
1,000.00	999.84	15,353.00	7,799.48	3.35	138.96	9.66	1,834.80	4,603.76	8,524.39	8,431.33	93.07	91.595		
1,100.00	1,099.45	15,353.00	7,799.48	3.71	138.96	10.24	1,834.80	4,603.76	8,438.44	8,344.77	93.67	90.085		
1,200.00	1,198.70	15,353.00	7,799.48	4.08	138.96	10.90	1,834.80	4,603.76	8,351.06	8,256.80	94.26	88.594		
1,300.00	1,297.47	15,353.00	7,799.48	4.47	138.96	11.65	1,834.80	4,603.76	8,262.34	8,167.50	94.84	87.121		
1,400.00	1,395.62	15,353.00	7,799.48	4.87	138.96	12.52	1,834.80	4,603.76	8,172.32	8,076.92	95.40	85.668		
1,500.00	1,493.06	15,353.00	7,799.48	5.31	138.96	13.52	1,834.80	4,603.76	8,081.08	7,985.14	95.93	84.235		
1,600.00	1,589.64	15,353.00	7,799.48	5.77	138.96	14.70	1,834.80	4,603.76	7,988.69	7,892.24	96.45	82.824		
1,700.00	1,685.27	15,353.00	7,799.48	6.28	138.96	16.10	1,834.80	4,603.76	7,895.23	7,798.27	96.95	81.435		
1,800.00	1,779.82	15,353.00	7,799.48	6.83	138.96	17.77	1,834.80	4,603.76	7,800.76	7,703.34	97.43	80.069		
1,900.00	1,873.17	15,353.00	7,799.48	7.43	138.96	19.82	1,834.80	4,603.76	7,705.38	7,607.51	97.88	78.726		
2,000.00	1,965.21	15,353.00	7,799.48	8.08	138.96	22.36	1,834.80	4,603.76	7,609.17	7,510.87	98.30	77.407		
2,100.00	2,055.84	15,353.00	7,799.48	8.79	138.96	25.58	1,834.80	4,603.76	7,512.21	7,413.51	98.70	76.112		
2,200.00	2,144.94	15,353.00	7,799.48	9.56	138.96	29.76	1,834.80	4,603.76	7,414.60	7,315.53	99.07	74.842		
2,300.00	2,232.39	15,353.00	7,799.48	10.39	138.96	35.31	1,834.80	4,603.76	7,316.42	7,217.01	99.41	73.598		
2,400.00	2,318.11	15,353.00	7,799.48	11.30	138.96	42.87	1,834.80	4,603.76	7,217.78	7,118.06	99.72	72.380		
2,504.60	2,405.78	15,353.00	7,799.48	12.31	138.96	53.83	1,834.80	4,603.76	7,114.23	7,014.22	100.01	71.134		
2,600.00	2,484.79	15,353.00	7,799.48	13.28	138.96	53.83	1,834.80	4,603.76	7,019.65	6,919.39	100.26	70.012		
2,700.00	2,567.60	15,353.00	7,799.48	14.32	138.96	53.83	1,834.80	4,603.76	6,920.54	6,820.01	100.54	68.837		
2,800.00	2,650.41	15,353.00	7,799.48	15.37	138.96	53.83	1,834.80	4,603.76	6,821.46	6,720.64	100.82	67.661		
2,900.00	2,733.23	15,353.00	7,799.48	16.44	138.96	53.83	1,834.80	4,603.76	6,722.40	6,621.29	101.11	66.484		
3,000.00	2,816.04	15,353.00	7,799.48	17.52	138.96	53.83	1,834.80	4,603.76	6,623.37	6,521.95	101.42	65.308		
3,100.00	2,898.85	15,353.00	7,799.48	18.60	138.96	53.83	1,834.80	4,603.76	6,524.37	6,422.63	101.73	64.132		
3,200.00	2,981.67	15,353.00	7,799.48	19.69	138.96	53.83	1,834.80	4,603.76	6,425.40	6,323.34	102.06	62.956		
3,300.00	3,064.48	15,353.00	7,799.48	20.79	138.96	53.83	1,834.80	4,603.76	6,326.46	6,224.06	102.40	61.781		
3,400.00	3,147.30	15,353.00	7,799.48	21.90	138.96	53.83	1,834.80	4,603.76	6,227.56	6,124.80	102.75	60.607		
3,500.00	3,230.11	15,353.00	7,799.48	23.00	138.96	53.83	1,834.80	4,603.76	6,128.69	6,025.57	103.12	59.434		
3,600.00	3,312.92	15,353.00	7,799.48	24.12	138.96	53.83	1,834.80	4,603.76	6,029.86	5,926.36	103.50	58.262		
3,700.00	3,395.74	15,353.00	7,799.48	25.23	138.96	53.83	1,834.80	4,603.76	5,931.07	5,827.18	103.89	57.091		
3,800.00	3,478.55	15,353.00	7,799.48	26.35	138.96	53.83	1,834.80	4,603.76	5,832.32	5,728.02	104.29	55.922		
3,900.00	3,561.36	15,353.00	7,799.48	27.47	138.96	53.83	1,834.80	4,603.76	5,733.61	5,628.89	104.71	54.755		
4,000.00	3,644.18	15,353.00	7,799.48	28.59	138.96	53.83	1,834.80	4,603.76	5,634.95	5,529.80	105.15	53.589		
4,100.00	3,726.99	15,353.00	7,799.48	29.72	138.96	53.83	1,834.80	4,603.76	5,536.33	5,430.73	105.60	52.426		
4,200.00	3,809.81	15,353.00	7,799.48	30.85	138.96	53.83	1,834.80	4,603.76	5,437.77	5,331.70	106.07	51.265		
4,300.00	3,892.62	15,353.00	7,799.48	31.98	138.96	53.83	1,834.80	4,603.76	5,339.26	5,232.71	106.56	50.107		
4,400.00	3,975.43	15,353.00	7,799.48	33.11	138.96	53.83	1,834.80	4,603.76	5,240.81	5,133.75	107.06	48.952		
4,500.00	4,058.25	15,353.00	7,799.48	34.24	138.96	53.83	1,834.80	4,603.76	5,142.42	5,034.83	107.58	47.799		
4,600.00	4,141.06	15,353.00	7,799.48	35.37	138.96	53.83	1,834.80	4,603.76	5,044.09	4,935.96	108.13	46.650		
4,700.00	4,223.87	15,353.00	7,799.48	36.50	138.96	53.83	1,834.80	4,603.76	4,945.82	4,837.13	108.69	45.504		
4,800.00	4,306.69	15,353.00	7,799.48	37.64	138.96	53.83	1,834.80	4,603.76	4,847.63	4,738.36	109.28	44.362		
4,900.00	4,389.50	15,353.00	7,799.48	38.77	138.96	53.83	1,834.80	4,603.76	4,749.52	4,639.63	109.88	43.223		
5,000.00	4,472.32	15,353.00	7,799.48	39.91	138.96	53.83	1,834.80	4,603.76	4,651.48	4,540.96	110.52	42.088		
5,100.00	4,555.13	15,353.00	7,799.48	41.05	138.96	53.83	1,834.80	4,603.76	4,553.53	4,442.35	111.18	40.958		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 15C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	15,353.00	7,799.48	42.18	138.96	53.83	1,834.80	4,603.76	4,455.67	4,343.81	111.86	39.832		
5,300.00	4,720.76	15,353.00	7,799.48	43.32	138.96	53.83	1,834.80	4,603.76	4,357.91	4,245.33	112.58	38.710		
5,400.00	4,803.57	15,353.00	7,799.48	44.46	138.96	53.83	1,834.80	4,603.76	4,260.25	4,146.92	113.32	37.594		
5,500.00	4,886.39	15,353.00	7,799.48	45.60	138.96	53.83	1,834.80	4,603.76	4,162.70	4,048.60	114.10	36.482		
5,600.00	4,969.20	15,353.00	7,799.48	46.74	138.96	53.83	1,834.80	4,603.76	4,065.27	3,950.36	114.92	35.376		
5,700.00	5,052.01	15,353.00	7,799.48	47.88	138.96	53.83	1,834.80	4,603.76	3,967.97	3,852.21	115.77	34.276		
5,800.00	5,134.83	15,353.00	7,799.48	49.02	138.96	53.83	1,834.80	4,603.76	3,870.81	3,754.15	116.66	33.181		
5,900.00	5,217.64	15,353.00	7,799.48	50.16	138.96	53.83	1,834.80	4,603.76	3,773.79	3,656.21	117.59	32.093		
6,000.00	5,300.45	15,353.00	7,799.48	51.30	138.96	53.83	1,834.80	4,603.76	3,676.94	3,558.37	118.57	31.012		
6,100.00	5,383.27	15,353.00	7,799.48	52.45	138.96	53.83	1,834.80	4,603.76	3,580.26	3,460.67	119.59	29.937		
6,200.00	5,466.08	15,353.00	7,799.48	53.59	138.96	53.83	1,834.80	4,603.76	3,483.76	3,363.09	120.67	28.870		
6,300.00	5,548.90	15,353.00	7,799.48	54.73	138.96	53.83	1,834.80	4,603.76	3,387.47	3,265.67	121.80	27.811		
6,400.00	5,631.71	15,353.00	7,799.48	55.87	138.96	53.83	1,834.80	4,603.76	3,291.40	3,168.41	123.00	26.760		
6,500.00	5,714.52	15,353.00	7,799.48	57.02	138.96	53.83	1,834.80	4,603.76	3,195.58	3,071.32	124.26	25.717		
6,600.00	5,797.34	15,353.00	7,799.48	58.16	138.96	53.83	1,834.80	4,603.76	3,100.01	2,974.42	125.59	24.684		
6,700.00	5,880.15	15,353.00	7,799.48	59.30	138.96	53.83	1,834.80	4,603.76	3,004.73	2,877.74	126.99	23.661		
6,800.00	5,962.96	15,353.00	7,799.48	60.45	138.96	53.83	1,834.80	4,603.76	2,909.77	2,781.29	128.48	22.648		
6,900.00	6,045.78	15,353.00	7,799.48	61.59	138.96	53.83	1,834.80	4,603.76	2,815.16	2,685.11	130.06	21.645		
7,000.00	6,128.59	15,353.00	7,799.48	62.73	138.96	53.83	1,834.80	4,603.76	2,720.94	2,589.21	131.73	20.655		
7,100.00	6,211.41	15,353.00	7,799.48	63.88	138.96	53.83	1,834.80	4,603.76	2,627.14	2,493.63	133.51	19.677		
7,200.00	6,294.22	15,353.00	7,799.48	65.02	138.96	53.83	1,834.80	4,603.76	2,533.82	2,398.42	135.40	18.713		
7,300.00	6,377.03	15,353.00	7,799.48	66.17	138.96	53.83	1,834.80	4,603.76	2,441.02	2,303.60	137.42	17.763		
7,400.00	6,459.85	15,353.00	7,799.48	67.31	138.96	53.83	1,834.80	4,603.76	2,348.82	2,209.25	139.57	16.829		
7,500.00	6,542.66	15,353.00	7,799.48	68.46	138.96	53.83	1,834.80	4,603.76	2,257.28	2,115.41	141.87	15.911		
7,600.00	6,625.48	15,353.00	7,799.48	69.60	138.96	53.83	1,834.80	4,603.76	2,166.49	2,022.17	144.33	15.011		
7,700.00	6,708.29	15,353.00	7,799.48	70.75	138.96	53.83	1,834.80	4,603.76	2,076.55	1,929.59	146.95	14.131		
7,800.00	6,791.10	15,353.00	7,799.48	71.89	138.96	53.83	1,834.80	4,603.76	1,987.57	1,837.80	149.77	13.271		
7,900.00	6,873.92	15,353.00	7,799.48	73.04	138.96	53.83	1,834.80	4,603.76	1,899.68	1,746.90	152.78	12.434		
8,000.00	6,956.73	15,353.00	7,799.48	74.18	138.96	53.83	1,834.80	4,603.76	1,813.05	1,657.05	156.00	11.622		
8,100.00	7,039.54	15,353.00	7,799.48	75.33	138.63	52.86	1,853.26	4,603.46	1,727.76	1,569.15	158.61	10.893		
8,165.32	7,093.63	15,316.04	7,799.81	76.08	138.31	51.88	1,871.75	4,603.15	1,672.70	1,512.58	160.12	10.447		
8,200.00	7,122.60	15,307.23	7,799.89	76.47	138.16	41.55	1,880.56	4,603.00	1,643.45	1,482.49	160.96	10.210		
8,250.00	7,165.05	15,298.14	7,799.97	77.01	138.00	25.57	1,889.66	4,602.85	1,600.94	1,438.71	162.23	9.868		
8,300.00	7,208.03	15,302.64	7,800.02	77.52	138.08	8.91	1,894.43	4,602.77	1,558.35	1,394.63	163.72	9.518		
8,350.00	7,251.22	15,303.07	7,800.02	77.99	138.09	-7.61	1,894.86	4,602.77	1,516.05	1,350.92	165.13	9.181		
8,400.00	7,294.28	15,299.14	7,799.99	78.41	138.02	-23.18	1,890.93	4,602.83	1,474.42	1,307.97	166.45	8.858		
8,450.00	7,336.90	15,305.12	7,799.91	78.78	138.12	-37.22	1,882.67	4,602.97	1,433.81	1,265.91	167.90	8.540		
8,500.00	7,378.73	15,317.65	7,799.80	79.10	138.34	-49.46	1,870.15	4,603.18	1,394.54	1,225.14	169.40	8.232		
8,550.00	7,419.47	15,334.34	7,799.65	79.37	138.63	-59.83	1,853.46	4,603.45	1,356.93	1,186.02	170.91	7.939		
8,600.00	7,458.81	15,355.07	7,799.46	79.59	138.99	-68.47	1,832.73	4,603.80	1,321.27	1,148.85	172.42	7.663		
8,650.00	7,496.44	15,353.00	7,799.48	79.76	138.96	-76.69	1,834.80	4,603.76	1,288.08	1,115.68	172.40	7.472		
8,700.00	7,532.08	15,353.00	7,799.48	79.88	138.96	-83.40	1,834.80	4,603.76	1,257.96	1,085.79	172.17	7.306		
8,750.00	7,565.46	15,353.00	7,799.48	79.95	138.96	-88.89	1,834.80	4,603.76	1,231.37	1,059.76	171.61	7.175		
8,800.00	7,596.33	15,353.00	7,799.48	79.98	138.96	-93.32	1,834.80	4,603.76	1,208.75	1,038.03	170.73	7.080		
8,850.00	7,624.44	15,353.00	7,799.48	79.97	138.96	-96.84	1,834.80	4,603.76	1,190.51	1,020.97	169.54	7.022		
8,900.00	7,649.59	15,353.00	7,799.48	79.93	138.96	-99.55	1,834.80	4,603.76	1,176.99	1,008.90	168.09	7.002 SF		
8,950.00	7,671.59	15,353.00	7,799.48	79.84	138.96	-101.54	1,834.80	4,603.76	1,168.45	1,002.01	166.44	7.020		
9,000.00	7,690.26	15,353.00	7,799.48	79.73	138.96	-102.88	1,834.80	4,603.76	1,165.08	1,000.40	164.68	7.075 ES		
9,007.24	7,692.68	15,353.00	7,799.48	79.71	138.96	-103.02	1,834.80	4,603.76	1,165.02	1,000.60	164.42	7.086 CC		
9,050.00	7,705.47	15,353.00	7,799.48	79.59	138.96	-103.59	1,834.80	4,603.76	1,166.94	1,004.05	162.89	7.164		
9,100.00	7,717.09	15,353.00	7,799.48	79.43	138.96	-103.70	1,834.80	4,603.76	1,173.99	1,012.85	161.14	7.286		
9,150.00	7,725.04	15,353.00	7,799.48	79.26	138.96	-103.22	1,834.80	4,603.76	1,186.10	1,026.61	159.48	7.437		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	15,353.00	7,799.48	79.06	138.96	-102.12	1,834.80	4,603.76	1,203.00	1,045.06	157.94	7.617		
9,231.13	7,730.00	15,353.00	7,799.48	78.93	138.96	-101.11	1,834.80	4,603.76	1,215.82	1,058.78	157.04	7.742		
9,300.00	7,730.00	15,353.00	7,799.48	78.65	138.96	-101.11	1,834.80	4,603.76	1,247.56	1,092.29	155.27	8.035		
9,400.00	7,730.00	15,353.00	7,799.48	78.26	138.96	-101.11	1,834.80	4,603.76	1,298.79	1,145.61	153.18	8.479		
9,500.00	7,730.00	15,353.00	7,799.48	77.89	138.96	-101.11	1,834.80	4,603.76	1,355.46	1,204.02	151.44	8.951		
9,600.00	7,730.00	15,353.00	7,799.48	77.53	138.96	-101.11	1,834.80	4,603.76	1,416.93	1,267.04	149.89	9.453		
9,700.00	7,730.00	15,353.00	7,799.48	77.19	138.96	-101.11	1,834.80	4,603.76	1,482.61	1,334.17	148.44	9.988		
9,800.00	7,730.00	15,353.00	7,799.48	76.88	138.96	-101.11	1,834.80	4,603.76	1,551.95	1,404.91	147.04	10.554		
9,900.00	7,730.00	15,353.00	7,799.48	76.58	138.96	-101.11	1,834.80	4,603.76	1,624.50	1,478.82	145.67	11.152		
10,000.00	7,730.00	15,353.00	7,799.48	76.30	138.96	-101.11	1,834.80	4,603.76	1,699.83	1,555.49	144.34	11.777		
10,100.00	7,730.00	15,353.00	7,799.48	76.04	138.96	-101.11	1,834.80	4,603.76	1,777.60	1,634.57	143.03	12.428		
10,200.00	7,730.00	15,353.00	7,799.48	75.79	138.96	-101.11	1,834.80	4,603.76	1,857.49	1,715.73	141.76	13.103		
10,300.00	7,730.00	15,353.00	7,799.48	75.57	138.96	-101.11	1,834.80	4,603.76	1,939.26	1,798.72	140.54	13.799		
10,400.00	7,730.00	15,353.00	7,799.48	75.36	138.96	-101.11	1,834.80	4,603.76	2,022.66	1,883.30	139.36	14.514		
10,500.00	7,730.00	15,353.00	7,799.48	75.18	138.96	-101.11	1,834.80	4,603.76	2,107.50	1,969.27	138.23	15.246		
10,600.00	7,730.00	15,353.00	7,799.48	75.01	138.96	-101.11	1,834.80	4,603.76	2,193.63	2,056.47	137.16	15.994		
10,700.00	7,730.00	15,353.00	7,799.48	74.86	138.96	-101.11	1,834.80	4,603.76	2,280.88	2,144.75	136.13	16.755		
10,800.00	7,730.00	15,353.00	7,799.48	74.74	138.96	-101.11	1,834.80	4,603.76	2,369.15	2,233.99	135.16	17.528		
10,900.00	7,730.00	15,353.00	7,799.48	74.64	138.96	-101.11	1,834.80	4,603.76	2,458.31	2,324.07	134.24	18.313		
11,000.00	7,730.00	15,353.00	7,799.48	74.56	138.96	-101.11	1,834.80	4,603.76	2,548.28	2,414.91	133.37	19.107		
11,100.00	7,730.00	15,353.00	7,799.48	74.51	138.96	-101.11	1,834.80	4,603.76	2,638.97	2,506.43	132.54	19.910		
11,200.00	7,730.00	15,353.00	7,799.48	74.48	138.96	-101.11	1,834.80	4,603.76	2,730.31	2,598.55	131.76	20.721		
11,300.00	7,730.00	15,353.00	7,799.48	74.48	138.96	-101.11	1,834.80	4,603.76	2,822.24	2,691.21	131.03	21.539		
11,400.00	7,730.00	15,353.00	7,799.48	74.50	138.96	-101.11	1,834.80	4,603.76	2,914.69	2,784.36	130.33	22.363		
11,500.00	7,730.00	15,353.00	7,799.48	74.56	138.96	-101.11	1,834.80	4,603.76	3,007.64	2,877.96	129.68	23.193		
11,600.00	7,730.00	15,353.00	7,799.48	74.66	138.96	-101.11	1,834.80	4,603.76	3,101.02	2,971.96	129.06	24.028		
11,700.00	7,730.00	15,353.00	7,799.48	74.79	138.96	-101.11	1,834.80	4,603.76	3,194.80	3,066.32	128.48	24.867		
11,800.00	7,730.00	15,353.00	7,799.48	74.96	138.96	-101.11	1,834.80	4,603.76	3,288.95	3,161.02	127.93	25.710		
11,900.00	7,730.00	15,353.00	7,799.48	75.17	138.96	-101.11	1,834.80	4,603.76	3,383.43	3,256.02	127.41	26.556		
12,000.00	7,730.00	15,353.00	7,799.48	75.43	138.96	-101.11	1,834.80	4,603.76	3,478.22	3,351.30	126.92	27.406		
12,100.00	7,730.00	15,353.00	7,799.48	75.73	138.96	-101.11	1,834.80	4,603.76	3,573.30	3,446.84	126.45	28.258		
12,200.00	7,730.00	15,353.00	7,799.48	76.09	138.96	-101.11	1,834.80	4,603.76	3,668.63	3,542.62	126.02	29.112		
12,300.00	7,730.00	15,353.00	7,799.48	76.51	138.96	-101.11	1,834.80	4,603.76	3,764.21	3,638.61	125.60	29.969		
12,400.00	7,730.00	15,353.00	7,799.48	76.97	138.96	-101.11	1,834.80	4,603.76	3,860.02	3,734.81	125.21	30.828		
12,500.00	7,730.00	15,353.00	7,799.48	77.50	138.96	-101.11	1,834.80	4,603.76	3,956.03	3,831.19	124.84	31.688		
12,600.00	7,730.00	15,353.00	7,799.48	78.09	138.96	-101.11	1,834.80	4,603.76	4,052.23	3,927.74	124.49	32.550		
12,700.00	7,730.00	15,353.00	7,799.48	78.74	138.96	-101.11	1,834.80	4,603.76	4,148.62	4,024.45	124.16	33.412		
12,800.00	7,730.00	15,353.00	7,799.48	79.45	138.96	-101.11	1,834.80	4,603.76	4,245.17	4,121.32	123.85	34.276		
12,900.00	7,730.00	15,353.00	7,799.48	80.22	138.96	-101.11	1,834.80	4,603.76	4,341.88	4,218.32	123.56	35.141		
13,000.00	7,730.00	15,353.00	7,799.48	81.05	138.96	-101.11	1,834.80	4,603.76	4,438.73	4,315.45	123.28	36.006		
13,100.00	7,730.00	15,353.00	7,799.48	81.94	138.96	-101.11	1,834.80	4,603.76	4,535.72	4,412.71	123.01	36.872		
13,200.00	7,730.00	15,353.00	7,799.48	82.87	138.96	-101.11	1,834.80	4,603.76	4,632.84	4,510.08	122.76	37.739		
13,300.00	7,730.00	15,353.00	7,799.48	83.86	138.96	-101.11	1,834.80	4,603.76	4,730.08	4,607.55	122.52	38.606		
13,400.00	7,730.00	15,353.00	7,799.48	84.90	138.96	-101.11	1,834.80	4,603.76	4,827.43	4,705.13	122.30	39.473		
13,500.00	7,730.00	15,353.00	7,799.48	85.97	138.96	-101.11	1,834.80	4,603.76	4,924.88	4,802.80	122.08	40.341		
13,600.00	7,730.00	15,353.00	7,799.48	87.09	138.96	-101.11	1,834.80	4,603.76	5,022.44	4,900.56	121.88	41.208		
13,700.00	7,730.00	15,353.00	7,799.48	88.25	138.96	-101.11	1,834.80	4,603.76	5,120.09	4,998.40	121.69	42.076		
13,800.00	7,730.00	15,353.00	7,799.48	89.44	138.96	-101.11	1,834.80	4,603.76	5,217.83	5,096.33	121.51	42.943		
13,900.00	7,730.00	15,353.00	7,799.48	90.66	138.96	-101.11	1,834.80	4,603.76	5,315.66	5,194.32	121.33	43.811		
14,000.00	7,730.00	15,353.00	7,799.48	91.92	138.96	-101.11	1,834.80	4,603.76	5,413.56	5,292.39	121.17	44.678		
14,100.00	7,730.00	15,353.00	7,799.48	93.20	138.96	-101.11	1,834.80	4,603.76	5,511.54	5,390.53	121.01	45.545		
14,200.00	7,730.00	15,353.00	7,799.48	94.50	138.96	-101.11	1,834.80	4,603.76	5,609.59	5,488.72	120.86	46.412		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 15C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	15,353.00	7,799.48	95.83	138.96	-101.11	1,834.80	4,603.76	5,707.71	5,586.98	120.72	47.279		
14,400.00	7,730.00	15,353.00	7,799.48	97.17	138.96	-101.11	1,834.80	4,603.76	5,805.89	5,685.30	120.59	48.146		
14,500.00	7,730.00	15,353.00	7,799.48	98.54	138.96	-101.11	1,834.80	4,603.76	5,904.13	5,783.67	120.46	49.012		
14,600.00	7,730.00	15,353.00	7,799.48	99.92	138.96	-101.11	1,834.80	4,603.76	6,002.43	5,882.09	120.34	49.877		
14,700.00	7,730.00	15,353.00	7,799.48	101.32	138.96	-101.11	1,834.80	4,603.76	6,100.79	5,960.56	120.23	50.743		
14,800.00	7,730.00	15,353.00	7,799.48	102.74	138.96	-101.11	1,834.80	4,603.76	6,199.20	6,079.08	120.12	51.608		
14,900.00	7,730.00	15,353.00	7,799.48	104.17	138.96	-101.11	1,834.80	4,603.76	6,297.66	6,177.64	120.02	52.472		
15,000.00	7,730.00	15,353.00	7,799.48	105.62	138.96	-101.11	1,834.80	4,603.76	6,396.16	6,276.24	119.92	53.336		
15,100.00	7,730.00	15,353.00	7,799.48	107.07	138.96	-101.11	1,834.80	4,603.76	6,494.72	6,374.89	119.83	54.200		
15,200.00	7,730.00	15,353.00	7,799.48	108.54	138.96	-101.11	1,834.80	4,603.76	6,593.31	6,473.57	119.74	55.063		
15,300.00	7,730.00	15,353.00	7,799.48	110.02	138.96	-101.11	1,834.80	4,603.76	6,691.95	6,572.29	119.66	55.925		
15,400.00	7,730.00	15,353.00	7,799.48	111.51	138.96	-101.11	1,834.80	4,603.76	6,790.63	6,671.05	119.58	56.787		
15,500.00	7,730.00	15,353.00	7,799.48	113.01	138.96	-101.11	1,834.80	4,603.76	6,889.34	6,769.84	119.51	57.649		
15,600.00	7,730.00	15,353.00	7,799.48	114.52	138.96	-101.11	1,834.80	4,603.76	6,988.10	6,868.66	119.44	58.509		
15,700.00	7,730.00	15,353.00	7,799.48	116.04	138.96	-101.11	1,834.80	4,603.76	7,086.88	6,967.52	119.37	59.370		
15,800.00	7,730.00	15,353.00	7,799.48	117.56	138.96	-101.11	1,834.80	4,603.76	7,185.71	7,066.40	119.31	60.229		
15,900.00	7,730.00	15,353.00	7,799.48	119.09	138.96	-101.11	1,834.80	4,603.76	7,284.56	7,165.31	119.25	61.089		
16,000.00	7,730.00	15,353.00	7,799.48	120.63	138.96	-101.11	1,834.80	4,603.76	7,383.44	7,264.25	119.19	61.947		
16,100.00	7,730.00	15,353.00	7,799.48	122.18	138.96	-101.11	1,834.80	4,603.76	7,482.36	7,363.22	119.14	62.805		
16,200.00	7,730.00	15,353.00	7,799.48	123.73	138.96	-101.11	1,834.80	4,603.76	7,581.30	7,462.21	119.09	63.662		
16,300.00	7,730.00	15,353.00	7,799.48	125.29	138.96	-101.11	1,834.80	4,603.76	7,680.27	7,561.23	119.04	64.519		
16,400.00	7,730.00	15,353.00	7,799.48	126.86	138.96	-101.11	1,834.80	4,603.76	7,779.26	7,660.27	118.99	65.375		
16,500.00	7,730.00	15,353.00	7,799.48	128.43	138.96	-101.11	1,834.80	4,603.76	7,878.28	7,759.33	118.95	66.230		
16,600.00	7,730.00	15,353.00	7,799.48	130.01	138.96	-101.11	1,834.80	4,603.76	7,977.33	7,858.42	118.91	67.085		
16,700.00	7,730.00	15,353.00	7,799.48	131.59	138.96	-101.11	1,834.80	4,603.76	8,076.40	7,957.52	118.88	67.939		
16,800.00	7,730.00	15,353.00	7,799.48	133.18	138.96	-101.11	1,834.80	4,603.76	8,175.49	8,056.65	118.84	68.792		
16,900.00	7,730.00	15,353.00	7,799.48	134.77	138.96	-101.11	1,834.80	4,603.76	8,274.60	8,155.79	118.81	69.645		
17,000.00	7,730.00	15,353.00	7,799.48	136.37	138.96	-101.11	1,834.80	4,603.76	8,373.74	8,254.96	118.78	70.497		
17,100.00	7,730.00	15,353.00	7,799.48	137.97	138.96	-101.11	1,834.80	4,603.76	8,472.89	8,354.14	118.75	71.348		
17,200.00	7,730.00	15,353.00	7,799.48	139.57	138.96	-101.11	1,834.80	4,603.76	8,572.07	8,453.34	118.73	72.199		
17,300.00	7,730.00	15,353.00	7,799.48	141.18	138.96	-101.11	1,834.80	4,603.76	8,671.26	8,552.56	118.70	73.049		
17,400.00	7,730.00	15,353.00	7,799.48	142.79	138.96	-101.11	1,834.80	4,603.76	8,770.48	8,651.79	118.68	73.898		
17,500.00	7,730.00	15,353.00	7,799.48	144.41	138.96	-101.11	1,834.80	4,603.76	8,869.70	8,751.04	118.66	74.747		
17,600.00	7,730.00	15,353.00	7,799.48	146.03	138.96	-101.11	1,834.80	4,603.76	8,968.95	8,850.31	118.65	75.595		
17,700.00	7,730.00	15,353.00	7,799.48	147.65	138.96	-101.11	1,834.80	4,603.76	9,068.22	8,949.59	118.63	76.442		
17,800.00	7,730.00	15,353.00	7,799.48	149.28	138.96	-101.11	1,834.80	4,603.76	9,167.49	9,048.88	118.61	77.289		
17,900.00	7,730.00	15,353.00	7,799.48	150.91	138.96	-101.11	1,834.80	4,603.76	9,266.79	9,148.19	118.60	78.134		
18,000.00	7,730.00	15,353.00	7,799.48	152.54	138.96	-101.11	1,834.80	4,603.76	9,366.10	9,247.51	118.59	78.979		
18,100.00	7,730.00	15,353.00	7,799.48	154.18	138.96	-101.11	1,834.80	4,603.76	9,465.42	9,346.84	118.58	79.824		
18,200.00	7,730.00	15,353.00	7,799.48	155.82	138.96	-101.11	1,834.80	4,603.76	9,564.76	9,446.19	118.57	80.667		
18,300.00	7,730.00	15,353.00	7,799.48	157.46	138.96	-101.11	1,834.80	4,603.76	9,664.11	9,545.55	118.56	81.510		
18,400.00	7,730.00	15,353.00	7,799.48	159.11	138.96	-101.11	1,834.80	4,603.76	9,763.48	9,644.92	118.56	82.353		
18,500.00	7,730.00	15,353.00	7,799.48	160.75	138.96	-101.11	1,834.80	4,603.76	9,862.86	9,744.31	118.55	83.194		
18,600.00	7,730.00	15,353.00	7,799.48	162.40	138.96	-101.11	1,834.80	4,603.76	9,962.25	9,843.70	118.55	84.035		









# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	15,243.00	7,668.35	95.83	138.66	-93.23	1,844.23	4,939.46	5,787.12	5,655.83	131.28	44.081		
14,400.00	7,730.00	15,243.00	7,668.35	97.17	138.66	-93.23	1,844.23	4,939.46	5,884.16	5,753.09	131.07	44.894		
14,500.00	7,730.00	15,243.00	7,668.35	98.54	138.66	-93.23	1,844.23	4,939.46	5,981.29	5,850.43	130.86	45.707		
14,600.00	7,730.00	15,243.00	7,668.35	99.92	138.66	-93.23	1,844.23	4,939.46	6,078.52	5,947.86	130.66	46.521		
14,700.00	7,730.00	15,243.00	7,668.35	101.32	138.66	-93.23	1,844.23	4,939.46	6,175.83	6,045.36	130.47	47.336		
14,800.00	7,730.00	15,243.00	7,668.35	102.74	138.66	-93.23	1,844.23	4,939.46	6,273.23	6,142.95	130.28	48.150		
14,900.00	7,730.00	15,243.00	7,668.35	104.17	138.66	-93.23	1,844.23	4,939.46	6,370.71	6,240.61	130.11	48.965		
15,000.00	7,730.00	15,243.00	7,668.35	105.62	138.66	-93.23	1,844.23	4,939.46	6,468.27	6,338.34	129.94	49.781		
15,100.00	7,730.00	15,243.00	7,668.35	107.07	138.66	-93.23	1,844.23	4,939.46	6,565.90	6,436.13	129.77	50.596		
15,200.00	7,730.00	15,243.00	7,668.35	108.54	138.66	-93.23	1,844.23	4,939.46	6,663.60	6,533.99	129.61	51.412		
15,300.00	7,730.00	15,243.00	7,668.35	110.02	138.66	-93.23	1,844.23	4,939.46	6,761.37	6,631.91	129.46	52.227		
15,400.00	7,730.00	15,243.00	7,668.35	111.51	138.66	-93.23	1,844.23	4,939.46	6,859.21	6,729.89	129.31	53.043		
15,500.00	7,730.00	15,243.00	7,668.35	113.01	138.66	-93.23	1,844.23	4,939.46	6,957.10	6,827.93	129.17	53.859		
15,600.00	7,730.00	15,243.00	7,668.35	114.52	138.66	-93.23	1,844.23	4,939.46	7,055.05	6,926.02	129.04	54.675		
15,700.00	7,730.00	15,243.00	7,668.35	116.04	138.66	-93.23	1,844.23	4,939.46	7,153.06	7,024.16	128.91	55.490		
15,800.00	7,730.00	15,243.00	7,668.35	117.56	138.66	-93.23	1,844.23	4,939.46	7,251.13	7,122.35	128.78	56.306		
15,900.00	7,730.00	15,243.00	7,668.35	119.09	138.66	-93.23	1,844.23	4,939.46	7,349.25	7,220.59	128.66	57.121		
16,000.00	7,730.00	15,243.00	7,668.35	120.63	138.66	-93.23	1,844.23	4,939.46	7,447.41	7,318.87	128.54	57.937		
16,100.00	7,730.00	15,243.00	7,668.35	122.18	138.66	-93.23	1,844.23	4,939.46	7,545.63	7,417.20	128.43	58.752		
16,200.00	7,730.00	15,243.00	7,668.35	123.73	138.66	-93.23	1,844.23	4,939.46	7,643.89	7,515.56	128.32	59.567		
16,300.00	7,730.00	15,243.00	7,668.35	125.29	138.66	-93.23	1,844.23	4,939.46	7,742.19	7,613.97	128.22	60.382		
16,400.00	7,730.00	15,243.00	7,668.35	126.86	138.66	-93.23	1,844.23	4,939.46	7,840.54	7,712.42	128.12	61.196		
16,500.00	7,730.00	15,243.00	7,668.35	128.43	138.66	-93.23	1,844.23	4,939.46	7,938.93	7,810.91	128.03	62.011		
16,600.00	7,730.00	15,243.00	7,668.35	130.01	138.66	-93.23	1,844.23	4,939.46	8,037.36	7,909.43	127.93	62.825		
16,700.00	7,730.00	15,243.00	7,668.35	131.59	138.66	-93.23	1,844.23	4,939.46	8,135.83	8,007.99	127.84	63.639		
16,800.00	7,730.00	15,243.00	7,668.35	133.18	138.66	-93.23	1,844.23	4,939.46	8,234.34	8,106.58	127.76	64.452		
16,900.00	7,730.00	15,243.00	7,668.35	134.77	138.66	-93.23	1,844.23	4,939.46	8,332.88	8,205.20	127.68	65.265		
17,000.00	7,730.00	15,243.00	7,668.35	136.37	138.66	-93.23	1,844.23	4,939.46	8,431.45	8,303.85	127.60	66.078		
17,100.00	7,730.00	15,243.00	7,668.35	137.97	138.66	-93.23	1,844.23	4,939.46	8,530.06	8,402.54	127.52	66.891		
17,200.00	7,730.00	15,243.00	7,668.35	139.57	138.66	-93.23	1,844.23	4,939.46	8,628.70	8,501.25	127.45	67.703		
17,300.00	7,730.00	15,243.00	7,668.35	141.18	138.66	-93.23	1,844.23	4,939.46	8,727.37	8,599.99	127.38	68.514		
17,400.00	7,730.00	15,243.00	7,668.35	142.79	138.66	-93.23	1,844.23	4,939.46	8,826.07	8,698.76	127.31	69.326		
17,500.00	7,730.00	15,243.00	7,668.35	144.41	138.66	-93.23	1,844.23	4,939.46	8,924.80	8,797.55	127.25	70.137		
17,600.00	7,730.00	15,243.00	7,668.35	146.03	138.66	-93.23	1,844.23	4,939.46	9,023.56	8,896.37	127.19	70.947		
17,700.00	7,730.00	15,243.00	7,668.35	147.65	138.66	-93.23	1,844.23	4,939.46	9,122.34	8,995.22	127.13	71.757		
17,800.00	7,730.00	15,243.00	7,668.35	149.28	138.66	-93.23	1,844.23	4,939.46	9,221.16	9,094.08	127.07	72.567		
17,900.00	7,730.00	15,243.00	7,668.35	150.91	138.66	-93.23	1,844.23	4,939.46	9,319.99	9,192.98	127.02	73.376		
18,000.00	7,730.00	15,243.00	7,668.35	152.54	138.66	-93.23	1,844.23	4,939.46	9,418.85	9,291.89	126.96	74.185		
18,100.00	7,730.00	15,243.00	7,668.35	154.18	138.66	-93.23	1,844.23	4,939.46	9,517.74	9,390.82	126.91	74.993		
18,200.00	7,730.00	15,243.00	7,668.35	155.82	138.66	-93.23	1,844.23	4,939.46	9,616.65	9,489.78	126.87	75.801		
18,300.00	7,730.00	15,243.00	7,668.35	157.46	138.66	-93.23	1,844.23	4,939.46	9,715.58	9,588.75	126.82	76.608		
18,400.00	7,730.00	15,243.00	7,668.35	159.11	138.66	-93.23	1,844.23	4,939.46	9,814.53	9,687.75	126.78	77.415		
18,500.00	7,730.00	15,243.00	7,668.35	160.75	138.66	-93.23	1,844.23	4,939.46	9,913.50	9,786.76	126.74	78.221		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 36N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	15,134.00	7,566.57	42.18	139.08	60.57	1,823.68	4,031.19	3,922.36	3,817.39	104.97	37.366		
5,300.00	4,720.76	15,134.00	7,566.57	43.32	139.08	60.57	1,823.68	4,031.19	3,823.33	3,717.81	105.52	36.234		
5,400.00	4,803.57	15,134.00	7,566.57	44.46	139.08	60.57	1,823.68	4,031.19	3,724.34	3,618.25	106.09	35.105		
5,500.00	4,886.39	15,134.00	7,566.57	45.60	139.08	60.57	1,823.68	4,031.19	3,625.42	3,518.73	106.69	33.980		
5,600.00	4,969.20	15,134.00	7,566.57	46.74	139.08	60.57	1,823.68	4,031.19	3,526.56	3,419.23	107.32	32.859		
5,700.00	5,052.01	15,134.00	7,566.57	47.88	139.08	60.57	1,823.68	4,031.19	3,427.76	3,319.77	107.99	31.741		
5,800.00	5,134.83	15,134.00	7,566.57	49.02	139.08	60.57	1,823.68	4,031.19	3,329.03	3,220.34	108.69	30.628		
5,900.00	5,217.64	15,134.00	7,566.57	50.16	139.08	60.57	1,823.68	4,031.19	3,230.38	3,120.95	109.43	29.520		
6,000.00	5,300.45	15,134.00	7,566.57	51.30	139.08	60.57	1,823.68	4,031.19	3,131.82	3,021.61	110.21	28.416		
6,100.00	5,383.27	15,134.00	7,566.57	52.45	139.08	60.57	1,823.68	4,031.19	3,033.35	2,922.31	111.04	27.317		
6,200.00	5,466.08	15,134.00	7,566.57	53.59	139.08	60.57	1,823.68	4,031.19	2,934.99	2,823.06	111.92	26.223		
6,300.00	5,548.90	15,134.00	7,566.57	54.73	139.08	60.57	1,823.68	4,031.19	2,836.74	2,723.87	112.86	25.135		
6,400.00	5,631.71	15,134.00	7,566.57	55.87	139.08	60.57	1,823.68	4,031.19	2,738.61	2,624.75	113.86	24.052		
6,500.00	5,714.52	15,134.00	7,566.57	57.02	139.08	60.57	1,823.68	4,031.19	2,640.63	2,525.70	114.93	22.976		
6,600.00	5,797.34	15,134.00	7,566.57	58.16	139.08	60.57	1,823.68	4,031.19	2,542.80	2,426.73	116.07	21.907		
6,700.00	5,880.15	15,134.00	7,566.57	59.30	139.08	60.57	1,823.68	4,031.19	2,445.15	2,327.85	117.30	20.845		
6,800.00	5,962.96	15,134.00	7,566.57	60.45	139.08	60.57	1,823.68	4,031.19	2,347.70	2,229.07	118.62	19.791		
6,900.00	6,045.78	15,134.00	7,566.57	61.59	139.08	60.57	1,823.68	4,031.19	2,250.47	2,130.42	120.05	18.745		
7,000.00	6,128.59	15,134.00	7,566.57	62.73	139.08	60.57	1,823.68	4,031.19	2,153.49	2,031.89	121.60	17.709		
7,100.00	6,211.41	15,134.00	7,566.57	63.88	139.08	60.57	1,823.68	4,031.19	2,056.81	1,933.52	123.29	16.683		
7,200.00	6,294.22	15,134.00	7,566.57	65.02	139.08	60.57	1,823.68	4,031.19	1,960.46	1,835.33	125.13	15.668		
7,300.00	6,377.03	15,134.00	7,566.57	66.17	139.08	60.57	1,823.68	4,031.19	1,864.49	1,737.35	127.14	14.665		
7,400.00	6,459.85	15,134.00	7,566.57	67.31	139.08	60.57	1,823.68	4,031.19	1,768.97	1,639.61	129.35	13.676		
7,500.00	6,542.66	15,134.00	7,566.57	68.46	139.08	60.57	1,823.68	4,031.19	1,673.97	1,542.17	131.79	12.702		
7,600.00	6,625.48	15,134.00	7,566.57	69.60	139.08	60.57	1,823.68	4,031.19	1,579.58	1,445.09	134.49	11.745		
7,700.00	6,708.29	15,134.00	7,566.57	70.75	139.08	60.57	1,823.68	4,031.19	1,485.94	1,348.44	137.50	10.807		
7,800.00	6,791.10	15,134.00	7,566.57	71.89	139.08	60.57	1,823.68	4,031.19	1,393.18	1,252.33	140.85	9.891		
7,900.00	6,873.92	15,134.00	7,566.57	73.04	139.08	60.57	1,823.68	4,031.19	1,301.48	1,156.89	144.60	9.001		
8,000.00	6,956.73	15,117.83	7,566.22	74.18	138.80	59.18	1,839.84	4,030.94	1,211.00	1,063.19	147.81	8.193		
8,100.00	7,039.54	15,092.04	7,565.64	75.33	138.35	56.86	1,865.62	4,030.55	1,121.58	970.78	150.80	7.437		
8,165.32	7,093.63	15,075.62	7,565.28	76.08	138.06	55.33	1,882.04	4,030.29	1,063.86	910.86	153.01	6.953		
8,200.00	7,122.60	15,068.57	7,565.13	76.47	137.94	43.94	1,889.09	4,030.19	1,033.25	878.94	154.31	6.696		
8,250.00	7,165.05	15,061.54	7,564.98	77.01	137.82	26.30	1,896.11	4,030.09	988.86	832.56	156.30	6.327		
8,300.00	7,208.03	15,058.33	7,564.92	77.52	137.76	8.12	1,899.32	4,030.04	944.53	786.12	158.41	5.963		
8,350.00	7,251.22	15,059.02	7,564.93	77.99	137.77	-9.47	1,898.64	4,030.05	900.69	740.06	160.63	5.607		
8,400.00	7,294.28	15,063.67	7,565.03	78.41	137.86	-25.54	1,893.99	4,030.12	857.75	694.79	162.95	5.264		
8,450.00	7,336.90	15,072.31	7,565.21	78.78	138.01	-39.56	1,885.35	4,030.24	816.13	650.77	165.36	4.935		
8,500.00	7,378.73	15,085.51	7,565.50	79.10	138.24	-51.31	1,872.16	4,030.45	776.24	608.36	167.88	4.624		
8,550.00	7,419.47	15,103.44	7,565.90	79.37	138.55	-60.86	1,854.23	4,030.72	738.46	567.95	170.50	4.331		
8,600.00	7,458.81	15,125.37	7,566.38	79.59	138.93	-68.49	1,832.31	4,031.06	703.10	529.97	173.13	4.061		
8,650.00	7,496.44	15,134.00	7,566.57	79.76	139.08	-75.77	1,823.68	4,031.19	670.68	496.70	173.99	3.855		
8,700.00	7,532.08	15,134.00	7,566.57	79.88	139.08	-82.24	1,823.68	4,031.19	642.47	469.24	173.23	3.709		
8,750.00	7,565.46	15,134.00	7,566.57	79.95	139.08	-87.35	1,823.68	4,031.19	619.33	447.72	171.61	3.609		
8,800.00	7,596.33	15,134.00	7,566.57	79.98	139.08	-91.30	1,823.68	4,031.19	602.02	432.86	169.16	3.559 SF		
8,850.00	7,624.44	15,134.00	7,566.57	79.97	139.08	-94.22	1,823.68	4,031.19	591.20	425.16	166.04	3.561		
8,900.00	7,649.59	15,134.00	7,566.57	79.93	139.08	-96.22	1,823.68	4,031.19	587.31	424.78	162.53	3.614 ES		
8,902.43	7,650.74	15,134.00	7,566.57	79.92	139.08	-96.29	1,823.68	4,031.19	587.30	424.95	162.35	3.617 CC		
8,950.00	7,671.59	15,134.00	7,566.57	79.84	139.08	-97.35	1,823.68	4,031.19	590.51	431.59	158.92	3.716		
9,000.00	7,690.26	15,134.00	7,566.57	79.73	139.08	-97.65	1,823.68	4,031.19	600.67	445.25	155.42	3.865		
9,050.00	7,705.47	15,134.00	7,566.57	79.59	139.08	-97.12	1,823.68	4,031.19	617.37	465.26	152.12	4.059		
9,100.00	7,717.09	15,134.00	7,566.57	79.43	139.08	-95.73	1,823.68	4,031.19	639.98	490.97	149.01	4.295		
9,150.00	7,725.04	15,134.00	7,566.57	79.26	139.08	-93.41	1,823.68	4,031.19	667.73	521.62	146.11	4.570		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	15,134.00	7,566.57	79.06	139.08	-90.07	1,823.68	4,031.19	699.82	556.40	143.42	4.879		
9,231.13	7,730.00	15,134.00	7,566.57	78.93	139.08	-87.43	1,823.68	4,031.19	721.64	579.78	141.86	5.087		
9,300.00	7,730.00	15,134.00	7,566.57	78.65	139.08	-87.43	1,823.68	4,031.19	772.76	634.08	138.68	5.572		
9,400.00	7,730.00	15,134.00	7,566.57	78.26	139.08	-87.43	1,823.68	4,031.19	851.46	716.87	134.59	6.326		
9,500.00	7,730.00	15,134.00	7,566.57	77.89	139.08	-87.43	1,823.68	4,031.19	934.24	803.20	131.04	7.129		
9,600.00	7,730.00	15,134.00	7,566.57	77.53	139.08	-87.43	1,823.68	4,031.19	1,020.11	892.13	127.98	7.971		
9,700.00	7,730.00	15,134.00	7,566.57	77.19	139.08	-87.43	1,823.68	4,031.19	1,108.35	983.01	125.34	8.843		
9,800.00	7,730.00	15,134.00	7,566.57	76.88	139.08	-87.43	1,823.68	4,031.19	1,198.44	1,075.37	123.07	9.738		
9,900.00	7,730.00	15,134.00	7,566.57	76.58	139.08	-87.43	1,823.68	4,031.19	1,289.99	1,168.88	121.11	10.652		
10,000.00	7,730.00	15,134.00	7,566.57	76.30	139.08	-87.43	1,823.68	4,031.19	1,382.71	1,263.30	119.42	11.579		
10,100.00	7,730.00	15,134.00	7,566.57	76.04	139.08	-87.43	1,823.68	4,031.19	1,476.39	1,358.43	117.96	12.516		
10,200.00	7,730.00	15,134.00	7,566.57	75.79	139.08	-87.43	1,823.68	4,031.19	1,570.84	1,454.14	116.69	13.461		
10,300.00	7,730.00	15,134.00	7,566.57	75.57	139.08	-87.43	1,823.68	4,031.19	1,665.94	1,550.34	115.60	14.411		
10,400.00	7,730.00	15,134.00	7,566.57	75.36	139.08	-87.43	1,823.68	4,031.19	1,761.58	1,646.93	114.65	15.365		
10,500.00	7,730.00	15,134.00	7,566.57	75.18	139.08	-87.43	1,823.68	4,031.19	1,857.68	1,743.86	113.82	16.321		
10,600.00	7,730.00	15,134.00	7,566.57	75.01	139.08	-87.43	1,823.68	4,031.19	1,954.18	1,841.08	113.10	17.278		
10,700.00	7,730.00	15,134.00	7,566.57	74.86	139.08	-87.43	1,823.68	4,031.19	2,051.01	1,938.54	112.47	18.236		
10,800.00	7,730.00	15,134.00	7,566.57	74.74	139.08	-87.43	1,823.68	4,031.19	2,148.13	2,036.21	111.92	19.193		
10,900.00	7,730.00	15,134.00	7,566.57	74.64	139.08	-87.43	1,823.68	4,031.19	2,245.50	2,134.06	111.44	20.150		
11,000.00	7,730.00	15,134.00	7,566.57	74.56	139.08	-87.43	1,823.68	4,031.19	2,343.09	2,232.08	111.01	21.106		
11,100.00	7,730.00	15,134.00	7,566.57	74.51	139.08	-87.43	1,823.68	4,031.19	2,440.88	2,330.24	110.64	22.061		
11,200.00	7,730.00	15,134.00	7,566.57	74.48	139.08	-87.43	1,823.68	4,031.19	2,538.84	2,428.53	110.32	23.014		
11,300.00	7,730.00	15,134.00	7,566.57	74.48	139.08	-87.43	1,823.68	4,031.19	2,636.96	2,526.93	110.03	23.966		
11,400.00	7,730.00	15,134.00	7,566.57	74.50	139.08	-87.43	1,823.68	4,031.19	2,735.21	2,625.43	109.78	24.915		
11,500.00	7,730.00	15,134.00	7,566.57	74.56	139.08	-87.43	1,823.68	4,031.19	2,833.58	2,724.02	109.56	25.864		
11,600.00	7,730.00	15,134.00	7,566.57	74.66	139.08	-87.43	1,823.68	4,031.19	2,932.06	2,822.70	109.36	26.810		
11,700.00	7,730.00	15,134.00	7,566.57	74.79	139.08	-87.43	1,823.68	4,031.19	3,030.65	2,921.45	109.19	27.755		
11,800.00	7,730.00	15,134.00	7,566.57	74.96	139.08	-87.43	1,823.68	4,031.19	3,129.32	3,020.28	109.04	28.698		
11,900.00	7,730.00	15,134.00	7,566.57	75.17	139.08	-87.43	1,823.68	4,031.19	3,228.07	3,119.16	108.91	29.640		
12,000.00	7,730.00	15,134.00	7,566.57	75.43	139.08	-87.43	1,823.68	4,031.19	3,326.90	3,218.11	108.80	30.579		
12,100.00	7,730.00	15,134.00	7,566.57	75.73	139.08	-87.43	1,823.68	4,031.19	3,425.80	3,317.10	108.69	31.518		
12,200.00	7,730.00	15,134.00	7,566.57	76.09	139.08	-87.43	1,823.68	4,031.19	3,524.76	3,416.15	108.61	32.454		
12,300.00	7,730.00	15,134.00	7,566.57	76.51	139.08	-87.43	1,823.68	4,031.19	3,623.77	3,515.24	108.53	33.389		
12,400.00	7,730.00	15,134.00	7,566.57	76.97	139.08	-87.43	1,823.68	4,031.19	3,722.84	3,614.38	108.47	34.323		
12,500.00	7,730.00	15,134.00	7,566.57	77.50	139.08	-87.43	1,823.68	4,031.19	3,821.96	3,713.55	108.41	35.255		
12,600.00	7,730.00	15,134.00	7,566.57	78.09	139.08	-87.43	1,823.68	4,031.19	3,921.12	3,812.76	108.36	36.186		
12,700.00	7,730.00	15,134.00	7,566.57	78.74	139.08	-87.43	1,823.68	4,031.19	4,020.32	3,912.00	108.32	37.115		
12,800.00	7,730.00	15,134.00	7,566.57	79.45	139.08	-87.43	1,823.68	4,031.19	4,119.57	4,011.28	108.29	38.043		
12,900.00	7,730.00	15,134.00	7,566.57	80.22	139.08	-87.43	1,823.68	4,031.19	4,218.84	4,110.59	108.26	38.970		
13,000.00	7,730.00	15,134.00	7,566.57	81.05	139.08	-87.43	1,823.68	4,031.19	4,318.16	4,209.92	108.24	39.896		
13,100.00	7,730.00	15,134.00	7,566.57	81.94	139.08	-87.43	1,823.68	4,031.19	4,417.50	4,309.28	108.22	40.821		
13,200.00	7,730.00	15,134.00	7,566.57	82.87	139.08	-87.43	1,823.68	4,031.19	4,516.87	4,408.66	108.20	41.744		
13,300.00	7,730.00	15,134.00	7,566.57	83.86	139.08	-87.43	1,823.68	4,031.19	4,616.27	4,508.07	108.20	42.666		
13,400.00	7,730.00	15,134.00	7,566.57	84.90	139.08	-87.43	1,823.68	4,031.19	4,715.69	4,607.50	108.19	43.587		
13,500.00	7,730.00	15,134.00	7,566.57	85.97	139.08	-87.43	1,823.68	4,031.19	4,815.14	4,706.95	108.19	44.507		
13,600.00	7,730.00	15,134.00	7,566.57	87.09	139.08	-87.43	1,823.68	4,031.19	4,914.61	4,806.42	108.19	45.426		
13,700.00	7,730.00	15,134.00	7,566.57	88.25	139.08	-87.43	1,823.68	4,031.19	5,014.10	4,905.91	108.19	46.345		
13,800.00	7,730.00	15,134.00	7,566.57	89.44	139.08	-87.43	1,823.68	4,031.19	5,113.61	5,005.41	108.20	47.262		
13,900.00	7,730.00	15,134.00	7,566.57	90.66	139.08	-87.43	1,823.68	4,031.19	5,213.14	5,104.93	108.21	48.178		
14,000.00	7,730.00	15,134.00	7,566.57	91.92	139.08	-87.43	1,823.68	4,031.19	5,312.69	5,204.47	108.22	49.093		
14,100.00	7,730.00	15,134.00	7,566.57	93.20	139.08	-87.43	1,823.68	4,031.19	5,412.25	5,304.02	108.23	50.007		
14,200.00	7,730.00	15,134.00	7,566.57	94.50	139.08	-87.43	1,823.68	4,031.19	5,511.83	5,403.59	108.24	50.921		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 36N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	15,134.00	7,566.57	95.83	139.08	-87.43	1,823.68	4,031.19	5,611.43	5,503.17	108.26	51.833		
14,400.00	7,730.00	15,134.00	7,566.57	97.17	139.08	-87.43	1,823.68	4,031.19	5,711.04	5,602.76	108.28	52.745		
14,500.00	7,730.00	15,134.00	7,566.57	98.54	139.08	-87.43	1,823.68	4,031.19	5,810.66	5,702.36	108.29	53.656		
14,600.00	7,730.00	15,134.00	7,566.57	99.92	139.08	-87.43	1,823.68	4,031.19	5,910.29	5,801.98	108.31	54.566		
14,700.00	7,730.00	15,134.00	7,566.57	101.32	139.08	-87.43	1,823.68	4,031.19	6,009.94	5,901.61	108.34	55.475		
14,800.00	7,730.00	15,134.00	7,566.57	102.74	139.08	-87.43	1,823.68	4,031.19	6,109.60	6,001.24	108.36	56.384		
14,900.00	7,730.00	15,134.00	7,566.57	104.17	139.08	-87.43	1,823.68	4,031.19	6,209.27	6,100.89	108.38	57.291		
15,000.00	7,730.00	15,134.00	7,566.57	105.62	139.08	-87.43	1,823.68	4,031.19	6,308.95	6,200.54	108.41	58.198		
15,100.00	7,730.00	15,134.00	7,566.57	107.07	139.08	-87.43	1,823.68	4,031.19	6,408.64	6,300.21	108.43	59.104		
15,200.00	7,730.00	15,134.00	7,566.57	108.54	139.08	-87.43	1,823.68	4,031.19	6,508.34	6,399.88	108.46	60.009		
15,300.00	7,730.00	15,134.00	7,566.57	110.02	139.08	-87.43	1,823.68	4,031.19	6,608.05	6,499.57	108.48	60.914		
15,400.00	7,730.00	15,134.00	7,566.57	111.51	139.08	-87.43	1,823.68	4,031.19	6,707.77	6,599.26	108.51	61.817		
15,500.00	7,730.00	15,134.00	7,566.57	113.01	139.08	-87.43	1,823.68	4,031.19	6,807.49	6,698.95	108.54	62.720		
15,600.00	7,730.00	15,134.00	7,566.57	114.52	139.08	-87.43	1,823.68	4,031.19	6,907.23	6,798.66	108.57	63.623		
15,700.00	7,730.00	15,134.00	7,566.57	116.04	139.08	-87.43	1,823.68	4,031.19	7,006.97	6,898.37	108.59	64.524		
15,800.00	7,730.00	15,134.00	7,566.57	117.56	139.08	-87.43	1,823.68	4,031.19	7,106.72	6,998.09	108.62	65.425		
15,900.00	7,730.00	15,134.00	7,566.57	119.09	139.08	-87.43	1,823.68	4,031.19	7,206.47	7,097.82	108.65	66.325		
16,000.00	7,730.00	15,134.00	7,566.57	120.63	139.08	-87.43	1,823.68	4,031.19	7,306.23	7,197.55	108.68	67.224		
16,100.00	7,730.00	15,134.00	7,566.57	122.18	139.08	-87.43	1,823.68	4,031.19	7,406.00	7,297.29	108.72	68.123		
16,200.00	7,730.00	15,134.00	7,566.57	123.73	139.08	-87.43	1,823.68	4,031.19	7,505.78	7,397.03	108.75	69.021		
16,300.00	7,730.00	15,134.00	7,566.57	125.29	139.08	-87.43	1,823.68	4,031.19	7,605.56	7,496.78	108.78	69.918		
16,400.00	7,730.00	15,134.00	7,566.57	126.86	139.08	-87.43	1,823.68	4,031.19	7,705.34	7,596.53	108.81	70.814		
16,500.00	7,730.00	15,134.00	7,566.57	128.43	139.08	-87.43	1,823.68	4,031.19	7,805.14	7,696.29	108.84	71.710		
16,600.00	7,730.00	15,134.00	7,566.57	130.01	139.08	-87.43	1,823.68	4,031.19	7,904.93	7,796.06	108.88	72.605		
16,700.00	7,730.00	15,134.00	7,566.57	131.59	139.08	-87.43	1,823.68	4,031.19	8,004.73	7,895.82	108.91	73.499		
16,800.00	7,730.00	15,134.00	7,566.57	133.18	139.08	-87.43	1,823.68	4,031.19	8,104.54	7,995.60	108.94	74.392		
16,900.00	7,730.00	15,134.00	7,566.57	134.77	139.08	-87.43	1,823.68	4,031.19	8,204.35	8,095.38	108.98	75.285		
17,000.00	7,730.00	15,134.00	7,566.57	136.37	139.08	-87.43	1,823.68	4,031.19	8,304.17	8,195.16	109.01	76.177		
17,100.00	7,730.00	15,134.00	7,566.57	137.97	139.08	-87.43	1,823.68	4,031.19	8,403.99	8,294.94	109.05	77.068		
17,200.00	7,730.00	15,134.00	7,566.57	139.57	139.08	-87.43	1,823.68	4,031.19	8,503.81	8,394.73	109.08	77.959		
17,300.00	7,730.00	15,134.00	7,566.57	141.18	139.08	-87.43	1,823.68	4,031.19	8,603.64	8,494.53	109.12	78.848		
17,400.00	7,730.00	15,134.00	7,566.57	142.79	139.08	-87.43	1,823.68	4,031.19	8,703.48	8,594.32	109.15	79.737		
17,500.00	7,730.00	15,134.00	7,566.57	144.41	139.08	-87.43	1,823.68	4,031.19	8,803.31	8,694.13	109.19	80.626		
17,600.00	7,730.00	15,134.00	7,566.57	146.03	139.08	-87.43	1,823.68	4,031.19	8,903.15	8,793.93	109.22	81.513		
17,700.00	7,730.00	15,134.00	7,566.57	147.65	139.08	-87.43	1,823.68	4,031.19	9,003.00	8,893.74	109.26	82.400		
17,800.00	7,730.00	15,134.00	7,566.57	149.28	139.08	-87.43	1,823.68	4,031.19	9,102.84	8,993.55	109.30	83.286		
17,900.00	7,730.00	15,134.00	7,566.57	150.91	139.08	-87.43	1,823.68	4,031.19	9,202.70	9,093.36	109.33	84.171		
18,000.00	7,730.00	15,134.00	7,566.57	152.54	139.08	-87.43	1,823.68	4,031.19	9,302.55	9,193.18	109.37	85.056		
18,100.00	7,730.00	15,134.00	7,566.57	154.18	139.08	-87.43	1,823.68	4,031.19	9,402.41	9,293.00	109.41	85.940		
18,200.00	7,730.00	15,134.00	7,566.57	155.82	139.08	-87.43	1,823.68	4,031.19	9,502.27	9,392.82	109.44	86.823		
18,300.00	7,730.00	15,134.00	7,566.57	157.46	139.08	-87.43	1,823.68	4,031.19	9,602.13	9,492.65	109.48	87.705		
18,400.00	7,730.00	15,134.00	7,566.57	159.11	139.08	-87.43	1,823.68	4,031.19	9,701.99	9,592.47	109.52	88.587		
18,500.00	7,730.00	15,134.00	7,566.57	160.75	139.08	-87.43	1,823.68	4,031.19	9,801.86	9,692.30	109.56	89.467		
18,600.00	7,730.00	15,134.00	7,566.57	162.40	139.08	-87.43	1,823.68	4,031.19	9,901.73	9,792.14	109.60	90.347		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	15,352.00	7,829.29	0.00	138.31	71.39	1,855.54	5,510.01	9,851.80					
100.00	100.00	15,352.00	7,829.29	0.13	138.31	71.39	1,855.54	5,510.01	9,771.25	9,676.96	94.29	103.631		
200.00	200.00	15,352.00	7,829.29	0.49	138.31	71.39	1,855.54	5,510.01	9,691.06	9,596.33	94.73	102.300		
300.00	300.00	15,352.00	7,829.29	0.85	138.31	71.39	1,855.54	5,510.01	9,611.25	9,516.04	95.21	100.947		
400.00	400.00	15,352.00	7,829.29	1.21	138.31	71.39	1,855.54	5,510.01	9,531.81	9,436.09	95.72	99.576		
500.00	500.00	15,352.00	7,829.29	1.57	138.31	71.39	1,855.54	5,510.01	9,452.76	9,356.49	96.27	98.190		
600.00	600.00	15,352.00	7,829.29	1.93	138.31	71.39	1,855.54	5,510.01	9,374.12	9,277.27	96.85	96.794		
700.00	700.00	15,352.00	7,829.29	2.29	138.31	71.39	1,855.54	5,510.01	9,295.88	9,198.43	97.45	95.391		
800.00	800.00	15,352.00	7,829.29	2.64	138.31	71.39	1,855.54	5,510.01	9,218.07	9,119.99	98.08	93.986		
900.00	899.98	15,352.00	7,829.29	3.00	138.31	12.33	1,855.54	5,510.01	9,139.61	9,040.88	98.73	92.569		
1,000.00	999.84	15,352.00	7,829.29	3.35	138.31	12.92	1,855.54	5,510.01	9,059.49	8,960.09	99.40	91.146		
1,100.00	1,099.45	15,352.00	7,829.29	3.71	138.31	13.57	1,855.54	5,510.01	8,977.75	8,877.70	100.05	89.734		
1,200.00	1,198.70	15,352.00	7,829.29	4.08	138.31	14.29	1,855.54	5,510.01	8,894.44	8,793.75	100.69	88.336		
1,300.00	1,297.47	15,352.00	7,829.29	4.47	138.31	15.10	1,855.54	5,510.01	8,809.64	8,708.32	101.32	86.952		
1,400.00	1,395.62	15,352.00	7,829.29	4.87	138.31	16.02	1,855.54	5,510.01	8,723.39	8,621.46	101.93	85.583		
1,500.00	1,493.06	15,352.00	7,829.29	5.31	138.31	17.05	1,855.54	5,510.01	8,635.77	8,533.24	102.53	84.229		
1,600.00	1,589.64	15,352.00	7,829.29	5.77	138.31	18.23	1,855.54	5,510.01	8,546.83	8,443.73	103.11	82.892		
1,700.00	1,685.27	15,352.00	7,829.29	6.28	138.31	19.59	1,855.54	5,510.01	8,456.66	8,352.98	103.67	81.571		
1,800.00	1,779.82	15,352.00	7,829.29	6.83	138.31	21.15	1,855.54	5,510.01	8,365.31	8,261.09	104.22	80.266		
1,900.00	1,873.17	15,352.00	7,829.29	7.43	138.31	22.97	1,855.54	5,510.01	8,272.86	8,168.11	104.75	78.979		
2,000.00	1,965.21	15,352.00	7,829.29	8.08	138.31	25.11	1,855.54	5,510.01	8,179.39	8,074.14	105.26	77.709		
2,100.00	2,055.84	15,352.00	7,829.29	8.79	138.31	27.66	1,855.54	5,510.01	8,084.99	7,979.25	105.74	76.458		
2,200.00	2,144.94	15,352.00	7,829.29	9.56	138.31	30.71	1,855.54	5,510.01	7,989.73	7,883.52	106.21	75.224		
2,300.00	2,232.39	15,352.00	7,829.29	10.39	138.31	34.41	1,855.54	5,510.01	7,893.70	7,787.04	106.66	74.009		
2,400.00	2,318.11	15,352.00	7,829.29	11.30	138.31	38.95	1,855.54	5,510.01	7,797.00	7,689.91	107.08	72.813		
2,504.60	2,405.78	15,352.00	7,829.29	12.31	138.31	44.84	1,855.54	5,510.01	7,695.22	7,587.72	107.50	71.583		
2,600.00	2,484.79	15,352.00	7,829.29	13.28	138.31	44.84	1,855.54	5,510.01	7,602.17	7,494.29	107.88	70.471		
2,700.00	2,567.60	15,352.00	7,829.29	14.32	138.31	44.84	1,855.54	5,510.01	7,504.69	7,396.41	108.28	69.308		
2,800.00	2,650.41	15,352.00	7,829.29	15.37	138.31	44.84	1,855.54	5,510.01	7,407.29	7,298.59	108.70	68.145		
2,900.00	2,733.23	15,352.00	7,829.29	16.44	138.31	44.84	1,855.54	5,510.01	7,309.95	7,200.81	109.13	66.982		
3,000.00	2,816.04	15,352.00	7,829.29	17.52	138.31	44.84	1,855.54	5,510.01	7,212.68	7,103.10	109.58	65.820		
3,100.00	2,898.85	15,352.00	7,829.29	18.60	138.31	44.84	1,855.54	5,510.01	7,115.49	7,005.45	110.05	64.659		
3,200.00	2,981.67	15,352.00	7,829.29	19.69	138.31	44.84	1,855.54	5,510.01	7,018.38	6,907.85	110.53	63.499		
3,300.00	3,064.48	15,352.00	7,829.29	20.79	138.31	44.84	1,855.54	5,510.01	6,921.35	6,810.33	111.02	62.341		
3,400.00	3,147.30	15,352.00	7,829.29	21.90	138.31	44.84	1,855.54	5,510.01	6,824.41	6,712.87	111.54	61.185		
3,500.00	3,230.11	15,352.00	7,829.29	23.00	138.31	44.84	1,855.54	5,510.01	6,727.56	6,615.49	112.07	60.031		
3,600.00	3,312.92	15,352.00	7,829.29	24.12	138.31	44.84	1,855.54	5,510.01	6,630.80	6,518.18	112.62	58.880		
3,700.00	3,395.74	15,352.00	7,829.29	25.23	138.31	44.84	1,855.54	5,510.01	6,534.14	6,420.95	113.18	57.732		
3,800.00	3,478.55	15,352.00	7,829.29	26.35	138.31	44.84	1,855.54	5,510.01	6,437.58	6,323.81	113.76	56.587		
3,900.00	3,561.36	15,352.00	7,829.29	27.47	138.31	44.84	1,855.54	5,510.01	6,341.12	6,226.75	114.37	55.445		
4,000.00	3,644.18	15,352.00	7,829.29	28.59	138.31	44.84	1,855.54	5,510.01	6,244.78	6,129.79	114.99	54.307		
4,100.00	3,726.99	15,352.00	7,829.29	29.72	138.31	44.84	1,855.54	5,510.01	6,148.55	6,032.92	115.63	53.174		
4,200.00	3,809.81	15,352.00	7,829.29	30.85	138.31	44.84	1,855.54	5,510.01	6,052.45	5,936.16	116.29	52.044		
4,300.00	3,892.62	15,352.00	7,829.29	31.98	138.31	44.84	1,855.54	5,510.01	5,956.48	5,839.50	116.98	50.919		
4,400.00	3,975.43	15,352.00	7,829.29	33.11	138.31	44.84	1,855.54	5,510.01	5,860.64	5,742.95	117.69	49.799		
4,500.00	4,058.25	15,352.00	7,829.29	34.24	138.31	44.84	1,855.54	5,510.01	5,764.94	5,646.52	118.41	48.684		
4,600.00	4,141.06	15,352.00	7,829.29	35.37	138.31	44.84	1,855.54	5,510.01	5,669.39	5,550.22	119.17	47.575		
4,700.00	4,223.87	15,352.00	7,829.29	36.50	138.31	44.84	1,855.54	5,510.01	5,573.99	5,454.05	119.95	46.471		
4,800.00	4,306.69	15,352.00	7,829.29	37.64	138.31	44.84	1,855.54	5,510.01	5,478.76	5,358.01	120.75	45.373		
4,900.00	4,389.50	15,352.00	7,829.29	38.77	138.31	44.84	1,855.54	5,510.01	5,383.71	5,262.13	121.58	44.281		
5,000.00	4,472.32	15,352.00	7,829.29	39.91	138.31	44.84	1,855.54	5,510.01	5,288.83	5,166.39	122.44	43.195		
5,100.00	4,555.13	15,352.00	7,829.29	41.05	138.31	44.84	1,855.54	5,510.01	5,194.15	5,070.82	123.33	42.117		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	15,352.00	7,829.29	42.18	138.31	44.84	1,855.54	5,510.01	5,099.67	4,975.43	124.25	41.045		
5,300.00	4,720.76	15,352.00	7,829.29	43.32	138.31	44.84	1,855.54	5,510.01	5,005.41	4,880.21	125.19	39.981		
5,400.00	4,803.57	15,352.00	7,829.29	44.46	138.31	44.84	1,855.54	5,510.01	4,911.37	4,785.19	126.18	38.924		
5,500.00	4,886.39	15,352.00	7,829.29	45.60	138.31	44.84	1,855.54	5,510.01	4,817.57	4,690.38	127.19	37.876		
5,600.00	4,969.20	15,352.00	7,829.29	46.74	138.31	44.84	1,855.54	5,510.01	4,724.03	4,595.78	128.25	36.835		
5,700.00	5,052.01	15,352.00	7,829.29	47.88	138.31	44.84	1,855.54	5,510.01	4,630.76	4,501.42	129.34	35.803		
5,800.00	5,134.83	15,352.00	7,829.29	49.02	138.31	44.84	1,855.54	5,510.01	4,537.77	4,407.30	130.47	34.781		
5,900.00	5,217.64	15,352.00	7,829.29	50.16	138.31	44.84	1,855.54	5,510.01	4,445.09	4,313.45	131.64	33.767		
6,000.00	5,300.45	15,352.00	7,829.29	51.30	138.31	44.84	1,855.54	5,510.01	4,352.73	4,219.88	132.85	32.763		
6,100.00	5,383.27	15,352.00	7,829.29	52.45	138.31	44.84	1,855.54	5,510.01	4,260.72	4,126.60	134.11	31.769		
6,200.00	5,466.08	15,352.00	7,829.29	53.59	138.31	44.84	1,855.54	5,510.01	4,169.07	4,033.65	135.42	30.786		
6,300.00	5,548.90	15,352.00	7,829.29	54.73	138.31	44.84	1,855.54	5,510.01	4,077.82	3,941.04	136.78	29.814		
6,400.00	5,631.71	15,352.00	7,829.29	55.87	138.31	44.84	1,855.54	5,510.01	3,986.99	3,848.80	138.18	28.853		
6,500.00	5,714.52	15,352.00	7,829.29	57.02	138.31	44.84	1,855.54	5,510.01	3,896.60	3,756.96	139.64	27.904		
6,600.00	5,797.34	15,352.00	7,829.29	58.16	138.31	44.84	1,855.54	5,510.01	3,806.70	3,665.54	141.16	26.967		
6,700.00	5,880.15	15,352.00	7,829.29	59.30	138.31	44.84	1,855.54	5,510.01	3,717.31	3,574.57	142.74	26.043		
6,800.00	5,962.96	15,352.00	7,829.29	60.45	138.31	44.84	1,855.54	5,510.01	3,628.48	3,484.10	144.37	25.132		
6,900.00	6,045.78	15,352.00	7,829.29	61.59	138.31	44.84	1,855.54	5,510.01	3,540.24	3,394.16	146.08	24.236		
7,000.00	6,128.59	15,352.00	7,829.29	62.73	138.31	44.84	1,855.54	5,510.01	3,452.64	3,304.80	147.84	23.354		
7,100.00	6,211.41	15,352.00	7,829.29	63.88	138.31	44.84	1,855.54	5,510.01	3,365.74	3,216.06	149.68	22.487		
7,200.00	6,294.22	15,352.00	7,829.29	65.02	138.31	44.84	1,855.54	5,510.01	3,279.58	3,128.00	151.58	21.635		
7,300.00	6,377.03	15,352.00	7,829.29	66.17	138.31	44.84	1,855.54	5,510.01	3,194.23	3,040.67	153.56	20.801		
7,400.00	6,459.85	15,352.00	7,829.29	67.31	138.31	44.84	1,855.54	5,510.01	3,109.75	2,954.13	155.62	19.984		
7,500.00	6,542.66	15,352.00	7,829.29	68.46	138.31	44.84	1,855.54	5,510.01	3,026.22	2,868.47	157.74	19.184		
7,600.00	6,625.48	15,352.00	7,829.29	69.60	138.31	44.84	1,855.54	5,510.01	2,943.71	2,783.76	159.95	18.404		
7,700.00	6,708.29	15,352.00	7,829.29	70.75	138.31	44.84	1,855.54	5,510.01	2,862.32	2,700.09	162.23	17.643		
7,800.00	6,791.10	15,352.00	7,829.29	71.89	138.31	44.84	1,855.54	5,510.01	2,782.15	2,617.56	164.59	16.904		
7,900.00	6,873.92	15,352.00	7,829.29	73.04	138.31	44.84	1,855.54	5,510.01	2,703.29	2,536.27	167.02	16.185		
8,000.00	6,956.73	15,352.00	7,829.29	74.18	138.31	44.84	1,855.54	5,510.01	2,625.88	2,456.36	169.52	15.490		
8,100.00	7,039.54	15,351.83	7,829.29	75.33	138.30	44.84	1,855.71	5,510.01	2,550.04	2,377.95	172.08	14.819		
8,165.32	7,093.63	15,334.48	7,828.90	76.08	138.00	44.29	1,873.06	5,510.02	2,501.36	2,328.19	173.16	14.445		
8,200.00	7,122.60	15,326.28	7,828.72	76.47	137.86	35.51	1,881.25	5,510.02	2,475.56	2,301.82	173.75	14.248		
8,250.00	7,165.05	15,318.08	7,828.54	77.01	137.72	22.04	1,889.44	5,510.03	2,438.15	2,263.53	174.62	13.963		
8,300.00	7,208.03	15,314.22	7,828.45	77.52	137.65	8.00	1,893.31	5,510.03	2,400.74	2,225.24	175.50	13.679		
8,350.00	7,251.22	15,314.71	7,828.46	77.99	137.66	-6.07	1,892.82	5,510.03	2,363.66	2,187.27	176.40	13.400		
8,400.00	7,294.28	15,319.55	7,828.57	78.41	137.74	-19.59	1,887.98	5,510.03	2,327.21	2,149.91	177.30	13.126		
8,450.00	7,336.90	15,328.71	7,828.78	78.78	137.90	-32.10	1,878.82	5,510.02	2,291.67	2,113.48	178.19	12.861		
8,500.00	7,378.73	15,342.12	7,829.07	79.10	138.14	-43.27	1,865.41	5,510.01	2,257.30	2,078.23	179.07	12.605		
8,550.00	7,419.47	15,352.00	7,829.29	79.37	138.31	-53.23	1,855.54	5,510.01	2,224.38	2,044.74	179.64	12.382		
8,600.00	7,458.81	15,352.00	7,829.29	79.59	138.31	-62.11	1,855.54	5,510.01	2,193.28	2,013.64	179.63	12.210		
8,650.00	7,496.44	15,352.00	7,829.29	79.76	138.31	-69.68	1,855.54	5,510.01	2,164.33	1,984.90	179.43	12.062		
8,700.00	7,532.08	15,352.00	7,829.29	79.88	138.31	-76.07	1,855.54	5,510.01	2,137.86	1,958.83	179.03	11.941		
8,750.00	7,565.46	15,352.00	7,829.29	79.95	138.31	-81.41	1,855.54	5,510.01	2,114.16	1,935.72	178.44	11.848		
8,800.00	7,596.33	15,352.00	7,829.29	79.98	138.31	-85.82	1,855.54	5,510.01	2,093.51	1,915.83	177.67	11.783		
8,850.00	7,624.44	15,352.00	7,829.29	79.97	138.31	-89.41	1,855.54	5,510.01	2,076.15	1,899.40	176.75	11.747		
8,900.00	7,649.59	15,352.00	7,829.29	79.93	138.31	-92.26	1,855.54	5,510.01	2,062.31	1,886.63	175.67	11.739 SF		
8,950.00	7,671.59	15,352.00	7,829.29	79.84	138.31	-94.46	1,855.54	5,510.01	2,052.16	1,877.67	174.49	11.761		
9,000.00	7,690.26	15,352.00	7,829.29	79.73	138.31	-96.06	1,855.54	5,510.01	2,045.84	1,872.62	173.21	11.811		
9,050.00	7,705.47	15,352.00	7,829.29	79.59	138.31	-97.09	1,855.54	5,510.01	2,043.42	1,871.54	171.88	11.888 ES		
9,055.66	7,706.96	15,352.00	7,829.29	79.58	138.31	-97.17	1,855.54	5,510.01	2,043.39	1,871.66	171.73	11.899 CC		
9,100.00	7,717.09	15,352.00	7,829.29	79.43	138.31	-97.59	1,855.54	5,510.01	2,044.94	1,874.42	170.53	11.992		
9,150.00	7,725.04	15,352.00	7,829.29	79.26	138.31	-97.57	1,855.54	5,510.01	2,050.39	1,881.21	169.18	12.120		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	15,352.00	7,829.29	79.06	138.31	-97.04	1,855.54	5,510.01	2,059.68	1,891.83	167.85	12.271		
9,231.13	7,730.00	15,352.00	7,829.29	78.93	138.31	-96.44	1,855.54	5,510.01	2,067.36	1,900.31	167.06	12.375		
9,300.00	7,730.00	15,352.00	7,829.29	78.65	138.31	-96.44	1,855.54	5,510.01	2,086.97	1,921.57	165.40	12.617		
9,400.00	7,730.00	15,352.00	7,829.29	78.26	138.31	-96.44	1,855.54	5,510.01	2,119.11	1,955.77	163.35	12.973		
9,500.00	7,730.00	15,352.00	7,829.29	77.89	138.31	-96.44	1,855.54	5,510.01	2,155.42	1,993.74	161.68	13.332		
9,600.00	7,730.00	15,352.00	7,829.29	77.53	138.31	-96.44	1,855.54	5,510.01	2,195.68	2,035.34	160.35	13.693		
9,700.00	7,730.00	15,352.00	7,829.29	77.19	138.31	-96.44	1,855.54	5,510.01	2,239.69	2,080.40	159.29	14.060		
9,800.00	7,730.00	15,352.00	7,829.29	76.88	138.31	-96.44	1,855.54	5,510.01	2,287.23	2,128.79	158.44	14.436		
9,900.00	7,730.00	15,352.00	7,829.29	76.58	138.31	-96.44	1,855.54	5,510.01	2,338.07	2,180.34	157.73	14.823		
10,000.00	7,730.00	15,352.00	7,829.29	76.30	138.31	-96.44	1,855.54	5,510.01	2,392.02	2,234.90	157.12	15.224		
10,100.00	7,730.00	15,352.00	7,829.29	76.04	138.31	-96.44	1,855.54	5,510.01	2,448.87	2,292.30	156.57	15.641		
10,200.00	7,730.00	15,352.00	7,829.29	75.79	138.31	-96.44	1,855.54	5,510.01	2,508.42	2,352.37	156.05	16.075		
10,300.00	7,730.00	15,352.00	7,829.29	75.57	138.31	-96.44	1,855.54	5,510.01	2,570.48	2,414.94	155.54	16.526		
10,400.00	7,730.00	15,352.00	7,829.29	75.36	138.31	-96.44	1,855.54	5,510.01	2,634.87	2,479.84	155.03	16.996		
10,500.00	7,730.00	15,352.00	7,829.29	75.18	138.31	-96.44	1,855.54	5,510.01	2,701.43	2,546.92	154.51	17.483		
10,600.00	7,730.00	15,352.00	7,829.29	75.01	138.31	-96.44	1,855.54	5,510.01	2,770.00	2,616.01	153.99	17.988		
10,700.00	7,730.00	15,352.00	7,829.29	74.86	138.31	-96.44	1,855.54	5,510.01	2,840.44	2,686.98	153.46	18.510		
10,800.00	7,730.00	15,352.00	7,829.29	74.74	138.31	-96.44	1,855.54	5,510.01	2,912.61	2,759.70	152.91	19.048		
10,900.00	7,730.00	15,352.00	7,829.29	74.64	138.31	-96.44	1,855.54	5,510.01	2,986.38	2,834.02	152.36	19.601		
11,000.00	7,730.00	15,352.00	7,829.29	74.56	138.31	-96.44	1,855.54	5,510.01	3,061.64	2,909.84	151.80	20.169		
11,100.00	7,730.00	15,352.00	7,829.29	74.51	138.31	-96.44	1,855.54	5,510.01	3,138.29	2,987.05	151.24	20.751		
11,200.00	7,730.00	15,352.00	7,829.29	74.48	138.31	-96.44	1,855.54	5,510.01	3,216.22	3,065.54	150.67	21.345		
11,300.00	7,730.00	15,352.00	7,829.29	74.48	138.31	-96.44	1,855.54	5,510.01	3,295.33	3,145.22	150.11	21.953		
11,400.00	7,730.00	15,352.00	7,829.29	74.50	138.31	-96.44	1,855.54	5,510.01	3,375.56	3,226.01	149.55	22.572		
11,500.00	7,730.00	15,352.00	7,829.29	74.56	138.31	-96.44	1,855.54	5,510.01	3,456.82	3,307.83	148.99	23.201		
11,600.00	7,730.00	15,352.00	7,829.29	74.66	138.31	-96.44	1,855.54	5,510.01	3,539.04	3,390.60	148.44	23.841		
11,700.00	7,730.00	15,352.00	7,829.29	74.79	138.31	-96.44	1,855.54	5,510.01	3,622.15	3,474.26	147.90	24.491		
11,800.00	7,730.00	15,352.00	7,829.29	74.96	138.31	-96.44	1,855.54	5,510.01	3,706.10	3,558.74	147.36	25.150		
11,900.00	7,730.00	15,352.00	7,829.29	75.17	138.31	-96.44	1,855.54	5,510.01	3,790.83	3,643.99	146.83	25.817		
12,000.00	7,730.00	15,352.00	7,829.29	75.43	138.31	-96.44	1,855.54	5,510.01	3,876.28	3,729.96	146.32	26.492		
12,100.00	7,730.00	15,352.00	7,829.29	75.73	138.31	-96.44	1,855.54	5,510.01	3,962.42	3,816.60	145.81	27.175		
12,200.00	7,730.00	15,352.00	7,829.29	76.09	138.31	-96.44	1,855.54	5,510.01	4,049.19	3,903.87	145.32	27.864		
12,300.00	7,730.00	15,352.00	7,829.29	76.51	138.31	-96.44	1,855.54	5,510.01	4,136.56	3,991.72	144.84	28.560		
12,400.00	7,730.00	15,352.00	7,829.29	76.97	138.31	-96.44	1,855.54	5,510.01	4,224.49	4,080.12	144.37	29.262		
12,500.00	7,730.00	15,352.00	7,829.29	77.50	138.31	-96.44	1,855.54	5,510.01	4,312.94	4,169.04	143.91	29.970		
12,600.00	7,730.00	15,352.00	7,829.29	78.09	138.31	-96.44	1,855.54	5,510.01	4,401.90	4,258.43	143.46	30.683		
12,700.00	7,730.00	15,352.00	7,829.29	78.74	138.31	-96.44	1,855.54	5,510.01	4,491.31	4,348.28	143.03	31.402		
12,800.00	7,730.00	15,352.00	7,829.29	79.45	138.31	-96.44	1,855.54	5,510.01	4,581.16	4,438.56	142.61	32.124		
12,900.00	7,730.00	15,352.00	7,829.29	80.22	138.31	-96.44	1,855.54	5,510.01	4,671.43	4,529.23	142.20	32.851		
13,000.00	7,730.00	15,352.00	7,829.29	81.05	138.31	-96.44	1,855.54	5,510.01	4,762.08	4,620.28	141.80	33.583		
13,100.00	7,730.00	15,352.00	7,829.29	81.94	138.31	-96.44	1,855.54	5,510.01	4,853.10	4,711.69	141.42	34.318		
13,200.00	7,730.00	15,352.00	7,829.29	82.87	138.31	-96.44	1,855.54	5,510.01	4,944.47	4,803.43	141.04	35.056		
13,300.00	7,730.00	15,352.00	7,829.29	83.86	138.31	-96.44	1,855.54	5,510.01	5,036.17	4,895.49	140.68	35.798		
13,400.00	7,730.00	15,352.00	7,829.29	84.90	138.31	-96.44	1,855.54	5,510.01	5,128.18	4,987.84	140.33	36.543		
13,500.00	7,730.00	15,352.00	7,829.29	85.97	138.31	-96.44	1,855.54	5,510.01	5,220.48	5,080.48	140.00	37.290		
13,600.00	7,730.00	15,352.00	7,829.29	87.09	138.31	-96.44	1,855.54	5,510.01	5,313.06	5,173.39	139.67	38.041		
13,700.00	7,730.00	15,352.00	7,829.29	88.25	138.31	-96.44	1,855.54	5,510.01	5,405.90	5,266.55	139.35	38.794		
13,800.00	7,730.00	15,352.00	7,829.29	89.44	138.31	-96.44	1,855.54	5,510.01	5,499.00	5,359.95	139.04	39.549		
13,900.00	7,730.00	15,352.00	7,829.29	90.66	138.31	-96.44	1,855.54	5,510.01	5,592.33	5,453.58	138.75	40.306		
14,000.00	7,730.00	15,352.00	7,829.29	91.92	138.31	-96.44	1,855.54	5,510.01	5,685.89	5,547.43	138.46	41.065		
14,100.00	7,730.00	15,352.00	7,829.29	93.20	138.31	-96.44	1,855.54	5,510.01	5,779.66	5,641.48	138.18	41.826		
14,200.00	7,730.00	15,352.00	7,829.29	94.50	138.31	-96.44	1,855.54	5,510.01	5,873.64	5,735.73	137.91	42.589		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	15,352.00	7,829.29	95.83	138.31	-96.44	1,855.54	5,510.01	5,967.82	5,830.17	137.66	43.353		
14,400.00	7,730.00	15,352.00	7,829.29	97.17	138.31	-96.44	1,855.54	5,510.01	6,062.18	5,924.78	137.41	44.119		
14,500.00	7,730.00	15,352.00	7,829.29	98.54	138.31	-96.44	1,855.54	5,510.01	6,156.73	6,019.56	137.16	44.886		
14,600.00	7,730.00	15,352.00	7,829.29	99.92	138.31	-96.44	1,855.54	5,510.01	6,251.44	6,114.51	136.93	45.654		
14,700.00	7,730.00	15,352.00	7,829.29	101.32	138.31	-96.44	1,855.54	5,510.01	6,346.31	6,209.61	136.70	46.424		
14,800.00	7,730.00	15,352.00	7,829.29	102.74	138.31	-96.44	1,855.54	5,510.01	6,441.34	6,304.85	136.49	47.194		
14,900.00	7,730.00	15,352.00	7,829.29	104.17	138.31	-96.44	1,855.54	5,510.01	6,536.51	6,400.24	136.28	47.966		
15,000.00	7,730.00	15,352.00	7,829.29	105.62	138.31	-96.44	1,855.54	5,510.01	6,631.83	6,495.76	136.07	48.738		
15,100.00	7,730.00	15,352.00	7,829.29	107.07	138.31	-96.44	1,855.54	5,510.01	6,727.29	6,591.41	135.88	49.511		
15,200.00	7,730.00	15,352.00	7,829.29	108.54	138.31	-96.44	1,855.54	5,510.01	6,822.87	6,687.19	135.69	50.284		
15,300.00	7,730.00	15,352.00	7,829.29	110.02	138.31	-96.44	1,855.54	5,510.01	6,918.58	6,783.08	135.50	51.059		
15,400.00	7,730.00	15,352.00	7,829.29	111.51	138.31	-96.44	1,855.54	5,510.01	7,014.41	6,879.08	135.33	51.833		
15,500.00	7,730.00	15,352.00	7,829.29	113.01	138.31	-96.44	1,855.54	5,510.01	7,110.36	6,975.20	135.16	52.609		
15,600.00	7,730.00	15,352.00	7,829.29	114.52	138.31	-96.44	1,855.54	5,510.01	7,206.41	7,071.42	134.99	53.384		
15,700.00	7,730.00	15,352.00	7,829.29	116.04	138.31	-96.44	1,855.54	5,510.01	7,302.57	7,167.74	134.83	54.160		
15,800.00	7,730.00	15,352.00	7,829.29	117.56	138.31	-96.44	1,855.54	5,510.01	7,398.83	7,264.15	134.68	54.936		
15,900.00	7,730.00	15,352.00	7,829.29	119.09	138.31	-96.44	1,855.54	5,510.01	7,495.19	7,360.66	134.53	55.713		
16,000.00	7,730.00	15,352.00	7,829.29	120.63	138.31	-96.44	1,855.54	5,510.01	7,591.65	7,457.26	134.39	56.490		
16,100.00	7,730.00	15,352.00	7,829.29	122.18	138.31	-96.44	1,855.54	5,510.01	7,688.19	7,553.94	134.25	57.267		
16,200.00	7,730.00	15,352.00	7,829.29	123.73	138.31	-96.44	1,855.54	5,510.01	7,784.82	7,650.70	134.12	58.044		
16,300.00	7,730.00	15,352.00	7,829.29	125.29	138.31	-96.44	1,855.54	5,510.01	7,881.54	7,747.55	133.99	58.821		
16,400.00	7,730.00	15,352.00	7,829.29	126.86	138.31	-96.44	1,855.54	5,510.01	7,978.34	7,844.47	133.87	59.598		
16,500.00	7,730.00	15,352.00	7,829.29	128.43	138.31	-96.44	1,855.54	5,510.01	8,075.21	7,941.46	133.75	60.375		
16,600.00	7,730.00	15,352.00	7,829.29	130.01	138.31	-96.44	1,855.54	5,510.01	8,172.16	8,038.53	133.64	61.152		
16,700.00	7,730.00	15,352.00	7,829.29	131.59	138.31	-96.44	1,855.54	5,510.01	8,269.18	8,135.66	133.53	61.929		
16,800.00	7,730.00	15,352.00	7,829.29	133.18	138.31	-96.44	1,855.54	5,510.01	8,366.28	8,232.86	133.42	62.706		
16,900.00	7,730.00	15,352.00	7,829.29	134.77	138.31	-96.44	1,855.54	5,510.01	8,463.44	8,330.12	133.32	63.483		
17,000.00	7,730.00	15,352.00	7,829.29	136.37	138.31	-96.44	1,855.54	5,510.01	8,560.67	8,427.44	133.22	64.259		
17,100.00	7,730.00	15,352.00	7,829.29	137.97	138.31	-96.44	1,855.54	5,510.01	8,657.95	8,524.83	133.13	65.036		
17,200.00	7,730.00	15,352.00	7,829.29	139.57	138.31	-96.44	1,855.54	5,510.01	8,755.30	8,622.27	133.04	65.812		
17,300.00	7,730.00	15,352.00	7,829.29	141.18	138.31	-96.44	1,855.54	5,510.01	8,852.71	8,719.77	132.95	66.588		
17,400.00	7,730.00	15,352.00	7,829.29	142.79	138.31	-96.44	1,855.54	5,510.01	8,950.18	8,817.32	132.86	67.364		
17,500.00	7,730.00	15,352.00	7,829.29	144.41	138.31	-96.44	1,855.54	5,510.01	9,047.70	8,914.92	132.78	68.139		
17,600.00	7,730.00	15,352.00	7,829.29	146.03	138.31	-96.44	1,855.54	5,510.01	9,145.28	9,012.57	132.71	68.914		
17,700.00	7,730.00	15,352.00	7,829.29	147.65	138.31	-96.44	1,855.54	5,510.01	9,242.91	9,110.27	132.63	69.689		
17,800.00	7,730.00	15,352.00	7,829.29	149.28	138.31	-96.44	1,855.54	5,510.01	9,340.58	9,208.02	132.56	70.463		
17,900.00	7,730.00	15,352.00	7,829.29	150.91	138.31	-96.44	1,855.54	5,510.01	9,438.31	9,305.82	132.49	71.237		
18,000.00	7,730.00	15,352.00	7,829.29	152.54	138.31	-96.44	1,855.54	5,510.01	9,536.08	9,403.66	132.43	72.011		
18,100.00	7,730.00	15,352.00	7,829.29	154.18	138.31	-96.44	1,855.54	5,510.01	9,633.90	9,501.54	132.36	72.784		
18,200.00	7,730.00	15,352.00	7,829.29	155.82	138.31	-96.44	1,855.54	5,510.01	9,731.77	9,599.46	132.30	73.557		
18,300.00	7,730.00	15,352.00	7,829.29	157.46	138.31	-96.44	1,855.54	5,510.01	9,829.67	9,697.43	132.24	74.329		
18,400.00	7,730.00	15,352.00	7,829.29	159.11	138.31	-96.44	1,855.54	5,510.01	9,927.62	9,795.43	132.19	75.101		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 28C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	58.51	2,113.84	3,451.30	4,047.37					
100.00	100.00	51.24	51.24	0.13	0.09	58.51	2,113.84	3,451.34	4,047.24	4,047.02	0.23	N/A		
200.00	200.00	125.00	125.00	0.49	0.36	58.52	2,113.86	3,451.88	4,047.87	4,047.02	0.85	4,749.630		
300.00	300.00	203.49	203.48	0.85	0.64	58.52	2,114.16	3,452.83	4,049.09	4,047.60	1.49	2,714.891		
400.00	400.00	306.11	306.09	1.21	1.01	58.52	2,114.99	3,454.10	4,050.57	4,048.35	2.22	1,827.440		
500.00	500.00	443.19	443.15	1.57	1.49	58.53	2,114.86	3,455.62	4,051.46	4,048.40	3.06	1,323.185		
600.00	600.00	538.22	538.18	1.93	1.83	58.55	2,114.17	3,456.63	4,051.98	4,048.22	3.76	1,078.319		
700.00	700.00	635.44	635.40	2.29	2.18	58.56	2,114.05	3,457.47	4,052.65	4,048.19	4.46	908.248		
800.00	800.00	779.18	779.13	2.64	2.67	58.55	2,114.74	3,457.17	4,052.70	4,047.39	5.31	762.949		
900.00	899.98	913.18	913.13	3.00	3.12	-1.04	2,114.00	3,456.31	4,050.13	4,044.01	6.12	661.912		
1,000.00	999.84	996.20	996.15	3.35	3.40	-1.04	2,113.50	3,455.52	4,043.79	4,037.03	6.76	598.587		
1,100.00	1,099.45	1,091.71	1,091.65	3.71	3.73	-1.06	2,113.69	3,454.60	4,034.36	4,026.92	7.44	542.380		
1,200.00	1,198.70	1,209.83	1,209.76	4.08	4.14	-1.08	2,113.73	3,453.27	4,021.25	4,013.04	8.20	490.232		
1,300.00	1,297.47	1,342.26	1,342.18	4.47	4.60	-1.10	2,113.60	3,451.28	4,004.39	3,995.37	9.02	443.899		
1,400.00	1,395.62	1,417.98	1,417.87	4.87	4.86	-1.13	2,113.68	3,449.32	3,983.29	3,973.65	9.65	412.974		
1,500.00	1,493.06	1,484.43	1,484.32	5.31	5.10	-1.15	2,113.58	3,448.74	3,959.90	3,949.66	10.24	386.699		
1,600.00	1,589.64	1,828.07	1,826.76	5.77	6.32	-0.86	2,087.59	3,447.30	3,928.80	3,917.01	11.79	333.205		
1,700.00	1,685.27	1,914.45	1,912.24	6.28	6.64	-0.70	2,075.26	3,447.81	3,893.01	3,880.54	12.47	312.241		
1,800.00	1,779.82	2,033.18	2,029.24	6.83	7.09	-0.42	2,055.24	3,450.12	3,853.85	3,840.59	13.27	290.456		
1,900.00	1,873.17	2,094.22	2,089.18	7.43	7.34	-0.25	2,043.86	3,452.05	3,811.60	3,797.73	13.88	274.656		
2,000.00	1,965.21	2,157.05	2,150.78	8.08	7.59	-0.06	2,031.71	3,454.69	3,766.80	3,752.30	14.50	259.811		
2,100.00	2,055.84	2,221.14	2,213.61	8.79	7.85	0.16	2,019.47	3,457.81	3,719.56	3,704.43	15.13	245.793		
2,200.00	2,144.94	2,292.53	2,283.67	9.56	8.15	0.40	2,006.26	3,461.40	3,669.73	3,653.93	15.80	232.265		
2,300.00	2,232.39	2,418.29	2,407.14	10.39	8.68	0.85	1,983.00	3,466.76	3,616.32	3,599.64	16.67	216.884		
2,400.00	2,318.11	2,491.03	2,478.65	11.30	8.99	1.13	1,969.95	3,469.58	3,560.10	3,542.75	17.35	205.146		
2,504.60	2,405.78	2,616.41	2,601.67	12.31	9.53	1.66	1,946.07	3,473.51	3,497.11	3,478.86	18.25	191.628		
2,600.00	2,484.79	2,666.00	2,650.33	13.28	9.75	1.87	1,936.70	3,475.21	3,438.80	3,419.97	18.83	182.607		
2,700.00	2,567.60	2,716.18	2,699.63	14.32	9.97	2.08	1,927.58	3,477.17	3,378.33	3,358.89	19.44	173.780		
2,800.00	2,650.41	2,782.15	2,764.54	15.37	10.26	2.35	1,916.09	3,480.04	3,318.52	3,298.41	20.12	164.973		
2,900.00	2,733.23	2,886.60	2,867.10	16.44	10.72	2.83	1,896.82	3,484.49	3,258.32	3,237.39	20.93	155.645		
3,000.00	2,816.04	2,967.57	2,946.70	17.52	11.09	3.20	1,882.29	3,487.52	3,198.09	3,176.41	21.68	147.519		
3,100.00	2,898.85	3,054.80	3,032.21	18.60	11.48	3.64	1,865.44	3,491.03	3,137.61	3,115.15	22.46	139.727		
3,200.00	2,981.67	3,109.88	3,086.21	19.69	11.73	3.92	1,854.86	3,493.44	3,077.53	3,054.39	23.14	133.023		
3,300.00	3,064.48	3,208.35	3,182.90	20.79	12.18	4.44	1,836.67	3,497.64	3,017.79	2,993.83	23.96	125.940		
3,400.00	3,147.30	3,279.70	3,252.97	21.90	12.51	4.83	1,823.50	3,500.21	2,957.67	2,932.97	24.71	119.713		
3,500.00	3,230.11	3,356.17	3,328.29	23.00	12.85	5.23	1,810.52	3,502.76	2,897.98	2,872.51	25.47	113.777		
3,600.00	3,312.92	3,455.96	3,426.43	24.12	13.30	5.79	1,792.79	3,505.93	2,838.01	2,811.70	26.31	107.869		
3,700.00	3,395.74	3,540.53	3,509.43	25.23	13.69	6.32	1,776.77	3,508.49	2,777.66	2,750.54	27.12	102.437		
3,800.00	3,478.55	3,603.00	3,570.92	26.35	13.98	6.69	1,765.84	3,510.07	2,717.59	2,689.72	27.87	97.516		
3,900.00	3,561.36	3,663.77	3,630.82	27.47	14.25	7.06	1,755.75	3,511.75	2,658.12	2,629.50	28.62	92.868		
4,000.00	3,644.18	3,730.68	3,696.74	28.59	14.55	7.49	1,744.52	3,514.24	2,599.38	2,569.97	29.41	88.396		
4,100.00	3,726.99	3,808.20	3,773.04	29.72	14.91	8.02	1,731.19	3,517.33	2,540.84	2,510.61	30.23	84.049		
4,200.00	3,809.81	3,874.59	3,838.30	30.85	15.21	8.50	1,719.39	3,520.37	2,482.71	2,451.67	31.05	79.969		
4,300.00	3,892.62	4,006.50	3,967.73	31.98	15.83	9.54	1,694.46	3,525.43	2,423.73	2,391.70	32.03	75.669		
4,400.00	3,975.43	4,063.22	4,023.61	33.11	16.09	9.98	1,684.87	3,526.89	2,364.82	2,331.97	32.85	71.996		
4,500.00	4,058.25	4,123.58	4,083.26	34.24	16.35	10.43	1,675.84	3,528.52	2,306.75	2,273.07	33.68	68.499		
4,600.00	4,141.06	4,228.16	4,186.50	35.37	16.82	11.27	1,659.49	3,532.01	2,249.27	2,214.67	34.60	65.004		
4,700.00	4,223.87	4,331.20	4,287.87	36.50	17.29	12.21	1,641.16	3,534.13	2,190.25	2,154.69	35.55	61.603		
4,800.00	4,306.69	4,403.59	4,358.99	37.64	17.63	12.92	1,627.73	3,535.66	2,131.39	2,094.91	36.49	58.416		
4,900.00	4,389.50	4,475.93	4,429.88	38.77	17.98	13.69	1,613.51	3,537.77	2,073.10	2,035.65	37.45	55.351		
5,000.00	4,472.32	4,560.06	4,512.30	39.91	18.38	14.65	1,596.77	3,540.21	2,015.09	1,976.61	38.48	52.372		
5,100.00	4,555.13	4,656.52	4,606.76	41.05	18.85	15.82	1,577.37	3,542.33	1,956.88	1,917.33	39.55	49.476		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 28C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,709.42	4,658.64	42.18	19.10	16.48	1,567.11	3,543.58	1,899.29	1,858.71	40.59	46.797		
5,300.00	4,720.76	4,775.08	4,723.17	43.32	19.41	17.31	1,555.08	3,545.43	1,842.76	1,801.09	41.67	44.224		
5,400.00	4,803.57	4,845.95	4,792.97	44.46	19.74	18.22	1,542.97	3,547.50	1,787.00	1,744.21	42.79	41.762		
5,500.00	4,886.39	4,917.33	4,863.25	45.60	20.07	19.19	1,530.77	3,549.87	1,732.01	1,688.05	43.96	39.402		
5,600.00	4,969.20	5,002.45	4,947.06	46.74	20.46	20.41	1,516.16	3,552.74	1,677.55	1,632.35	45.20	37.115		
5,700.00	5,052.01	5,081.28	5,024.80	47.88	20.81	21.58	1,503.30	3,555.01	1,623.40	1,576.93	46.47	34.934		
5,800.00	5,134.83	5,152.84	5,095.50	49.02	21.14	22.68	1,492.41	3,557.02	1,569.97	1,522.19	47.78	32.858		
5,900.00	5,217.64	5,220.77	5,162.57	50.16	21.44	23.78	1,481.97	3,559.42	1,517.68	1,468.53	49.15	30.878		
6,000.00	5,300.45	5,290.28	5,231.18	51.30	21.75	24.97	1,471.17	3,562.38	1,466.63	1,416.03	50.60	28.985		
6,100.00	5,383.27	5,376.40	5,316.13	52.45	22.14	26.54	1,457.59	3,566.24	1,416.50	1,364.33	52.17	27.153		
6,200.00	5,466.08	5,464.27	5,402.87	53.59	22.53	28.25	1,443.97	3,569.59	1,366.73	1,312.91	53.82	25.393		
6,300.00	5,548.90	5,556.26	5,493.88	54.73	22.94	30.10	1,430.84	3,572.29	1,317.29	1,261.74	55.55	23.712		
6,400.00	5,631.71	5,632.59	5,569.35	55.87	23.27	31.75	1,419.54	3,574.10	1,268.39	1,211.01	57.37	22.108		
6,500.00	5,714.52	5,703.21	5,639.16	57.02	23.59	33.38	1,409.08	3,576.23	1,221.14	1,161.84	59.29	20.595		
6,600.00	5,797.34	5,776.02	5,711.09	58.16	23.91	35.16	1,398.14	3,578.88	1,175.66	1,114.32	61.34	19.167		
6,700.00	5,880.15	5,861.00	5,794.97	59.30	24.29	37.39	1,384.81	3,581.95	1,131.64	1,068.06	63.57	17.800		
6,800.00	5,962.96	5,941.68	5,874.66	60.45	24.65	39.62	1,372.55	3,584.63	1,089.03	1,023.12	65.91	16.522		
6,900.00	6,045.78	6,020.73	5,952.91	61.59	25.00	41.89	1,361.65	3,587.30	1,048.15	979.81	68.34	15.337		
7,000.00	6,128.59	6,097.06	6,028.38	62.73	25.33	44.23	1,350.49	3,589.93	1,009.40	938.49	70.91	14.235		
7,100.00	6,211.41	6,176.44	6,106.81	63.88	25.68	46.81	1,338.66	3,592.88	973.19	899.57	73.62	13.219		
7,200.00	6,294.22	6,263.84	6,193.39	65.02	26.06	49.74	1,327.10	3,595.93	938.95	862.50	76.45	12.283		
7,300.00	6,377.03	6,342.51	6,271.34	66.17	26.40	52.51	1,316.83	3,598.52	907.20	827.90	79.30	11.440		
7,400.00	6,459.85	6,424.11	6,352.20	67.31	26.75	55.52	1,306.16	3,601.19	878.41	796.16	82.24	10.680		
7,500.00	6,542.66	6,514.58	6,442.01	68.46	27.12	58.94	1,295.76	3,604.16	852.35	767.11	85.23	10.000		
7,600.00	6,625.48	6,603.58	6,530.57	69.60	27.47	62.38	1,287.28	3,606.81	828.68	740.53	88.15	9.401		
7,700.00	6,708.29	6,692.94	6,619.53	70.75	27.82	65.98	1,279.07	3,608.67	807.80	716.77	91.03	8.874		
7,800.00	6,791.10	6,783.18	6,709.43	71.89	28.17	69.75	1,271.40	3,609.77	789.86	696.06	93.80	8.421		
7,900.00	6,873.92	6,875.71	6,801.76	73.04	28.51	73.66	1,265.23	3,610.69	774.90	678.50	96.40	8.039		
8,000.00	6,956.73	6,967.22	6,893.17	74.18	28.83	77.53	1,261.21	3,611.71	762.83	664.09	98.75	7.725		
8,100.00	7,039.54	7,057.07	6,982.98	75.33	29.12	81.33	1,258.79	3,612.91	753.96	653.13	100.83	7.478		
8,165.32	7,093.63	7,115.10	7,041.00	76.08	29.31	83.79	1,257.82	3,613.73	749.98	647.94	102.04	7.350		
8,200.00	7,122.60	7,145.81	7,071.70	76.47	29.41	80.12	1,257.48	3,614.21	747.58	644.96	102.62	7.285		
8,250.00	7,165.05	7,191.25	7,117.14	77.01	29.55	73.93	1,257.19	3,615.03	741.61	638.24	103.38	7.174		
8,300.00	7,208.03	7,241.12	7,166.99	77.52	29.70	67.04	1,257.18	3,615.83	732.42	628.37	104.04	7.040		
8,350.00	7,251.22	7,294.21	7,220.08	77.99	29.85	59.77	1,257.59	3,616.39	719.74	615.13	104.61	6.880		
8,400.00	7,294.28	7,366.68	7,292.48	78.41	30.04	53.03	1,260.57	3,617.19	702.65	597.65	105.00	6.692		
8,450.00	7,336.90	8,279.63	7,897.93	78.78	30.52	-135.36	1,816.40	3,601.25	671.19	626.95	44.25	15.169		
8,500.00	7,378.73	8,254.47	7,895.64	79.10	30.50	-135.97	1,791.35	3,600.91	621.99	576.43	45.56	13.653		
8,550.00	7,419.47	8,225.11	7,891.99	79.37	30.48	-138.61	1,762.22	3,600.62	573.36	526.20	47.16	12.158		
8,600.00	7,458.81	8,196.17	7,887.38	79.59	30.48	-141.29	1,733.64	3,600.53	525.46	476.84	48.62	10.808		
8,650.00	7,496.44	8,161.93	7,880.63	79.76	30.47	-143.76	1,700.09	3,600.81	478.44	427.79	50.65	9.446		
8,700.00	7,532.08	8,119.98	7,870.07	79.88	30.47	-145.38	1,659.50	3,602.04	432.24	378.35	53.89	8.020		
8,750.00	7,565.46	8,071.98	7,854.74	79.95	30.48	-145.75	1,614.07	3,603.65	386.43	327.91	58.52	6.603		
8,800.00	7,596.33	8,031.59	7,839.28	79.98	30.50	-145.11	1,576.79	3,605.19	341.27	279.00	62.27	5.481		
8,850.00	7,624.44	7,990.02	7,820.76	79.97	30.52	-142.92	1,539.63	3,607.21	296.84	230.14	66.70	4.450		
8,900.00	7,649.59	7,941.23	7,795.25	79.93	30.54	-137.44	1,498.14	3,609.58	252.85	179.17	73.68	3.432		
8,950.00	7,671.59	7,897.44	7,768.56	79.84	30.56	-129.43	1,463.48	3,611.08	209.27	128.80	80.47	2.601		
9,000.00	7,690.26	7,862.85	7,745.00	79.73	30.57	-120.74	1,438.18	3,611.75	167.16	81.87	85.29	1.960		
9,050.00	7,705.47	7,835.27	7,724.79	79.59	30.58	-112.02	1,419.42	3,612.01	128.71	41.48	87.23	1.476 Level 3		
9,100.00	7,717.09	7,810.49	7,705.78	79.43	30.58	-101.92	1,403.53	3,612.30	98.67	14.27	84.41	1.169 Level 2		
9,150.00	7,725.04	7,786.53	7,686.70	79.26	30.58	-89.54	1,389.06	3,612.66	85.52	11.31	74.21	1.152 Level 2, ES, SF		
9,153.22	7,725.43	7,785.02	7,685.47	79.24	30.58	-88.68	1,388.17	3,612.69	85.47	11.96	73.50	1.163 Level 2, CC		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 28C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,763.41	7,667.63	79.06	30.57	-75.52	1,375.98	3,613.12	95.56	25.76	69.80	1.369	Level 3	
9,231.13	7,730.00	7,749.28	7,655.69	78.93	30.57	-66.48	1,368.44	3,613.46	111.01	38.05	72.96	1.521		
9,300.00	7,730.00	7,720.51	7,630.82	78.65	30.56	-54.05	1,354.01	3,614.32	157.44	76.62	80.82	1.948		
9,400.00	7,730.00	7,684.92	7,599.15	78.26	30.53	-42.70	1,337.83	3,615.61	238.13	150.59	87.53	2.720		
9,500.00	7,730.00	7,654.78	7,571.70	77.89	30.51	-35.82	1,325.44	3,616.69	325.26	234.07	91.19	3.567		
9,600.00	7,730.00	7,627.31	7,546.28	77.53	30.49	-30.99	1,315.07	3,617.38	415.46	322.06	93.40	4.448		
9,700.00	7,730.00	7,604.25	7,524.67	77.19	30.46	-27.69	1,307.01	3,617.64	507.52	412.53	95.00	5.343		
9,800.00	7,730.00	7,584.92	7,506.39	76.88	30.44	-25.35	1,300.74	3,617.73	600.95	504.74	96.21	6.246		
9,900.00	7,730.00	7,567.00	7,489.30	76.58	30.42	-23.46	1,295.33	3,617.72	695.39	598.28	97.11	7.161		
10,000.00	7,730.00	7,553.49	7,476.34	76.30	30.40	-22.18	1,291.51	3,617.69	790.61	692.73	97.88	8.077		
10,100.00	7,730.00	7,540.54	7,463.86	76.04	30.38	-21.07	1,288.06	3,617.66	886.47	787.99	98.48	9.002		
10,200.00	7,730.00	7,520.00	7,443.95	75.79	30.35	-19.51	1,283.01	3,617.64	982.92	884.12	98.79	9.949		
10,300.00	7,730.00	7,520.00	7,443.95	75.57	30.35	-19.51	1,283.01	3,617.64	1,079.60	980.21	99.38	10.863		
10,400.00	7,730.00	7,520.00	7,443.95	75.36	30.35	-19.51	1,283.01	3,617.64	1,176.83	1,076.99	99.85	11.786		
10,500.00	7,730.00	7,500.76	7,425.20	75.18	30.32	-18.24	1,278.74	3,617.67	1,274.12	1,174.13	99.99	12.743		
10,600.00	7,730.00	7,493.02	7,417.62	75.01	30.30	-17.78	1,277.15	3,617.70	1,371.78	1,271.55	100.23	13.686		
10,700.00	7,730.00	7,473.00	7,397.96	74.86	30.27	-16.68	1,273.38	3,617.83	1,469.81	1,369.50	100.31	14.652		
10,800.00	7,730.00	7,473.00	7,397.96	74.74	30.27	-16.68	1,273.38	3,617.83	1,567.74	1,467.17	100.57	15.588		
10,900.00	7,730.00	7,473.00	7,397.96	74.64	30.27	-16.68	1,273.38	3,617.83	1,665.92	1,565.14	100.79	16.529		
11,000.00	7,730.00	7,473.00	7,397.96	74.56	30.27	-16.68	1,273.38	3,617.83	1,764.31	1,663.34	100.97	17.473		
11,100.00	7,730.00	7,473.00	7,397.96	74.51	30.27	-16.68	1,273.38	3,617.83	1,862.86	1,761.73	101.13	18.421		
11,200.00	7,730.00	7,455.72	7,380.92	74.48	30.24	-15.83	1,270.48	3,617.92	1,961.34	1,860.18	101.16	19.388		
11,300.00	7,730.00	7,450.55	7,375.82	74.48	30.22	-15.59	1,269.67	3,617.93	2,060.02	1,958.76	101.26	20.344		
11,400.00	7,730.00	7,445.72	7,371.05	74.50	30.22	-15.37	1,268.94	3,617.93	2,158.78	2,057.43	101.35	21.300		
11,500.00	7,730.00	7,441.19	7,366.56	74.56	30.21	-15.17	1,268.28	3,617.92	2,257.62	2,156.19	101.43	22.257		
11,600.00	7,730.00	7,426.00	7,351.51	74.66	30.18	-14.52	1,266.20	3,617.84	2,356.62	2,255.16	101.46	23.228		
11,700.00	7,730.00	7,426.00	7,351.51	74.79	30.18	-14.52	1,266.20	3,617.84	2,455.55	2,354.00	101.55	24.182		
11,800.00	7,730.00	7,426.00	7,351.51	74.96	30.18	-14.52	1,266.20	3,617.84	2,554.55	2,452.93	101.63	25.136		
11,900.00	7,730.00	7,426.00	7,351.51	75.17	30.18	-14.52	1,266.20	3,617.84	2,653.64	2,551.94	101.70	26.092		
12,000.00	7,730.00	7,426.00	7,351.51	75.43	30.18	-14.52	1,266.20	3,617.84	2,752.79	2,651.02	101.77	27.049		
12,100.00	7,730.00	7,426.00	7,351.51	75.73	30.18	-14.52	1,266.20	3,617.84	2,852.00	2,750.17	101.83	28.007		
12,200.00	7,730.00	7,426.00	7,351.51	76.09	30.18	-14.52	1,266.20	3,617.84	2,951.26	2,849.37	101.89	28.966		
12,300.00	7,730.00	7,426.00	7,351.51	76.51	30.18	-14.52	1,266.20	3,617.84	3,050.57	2,948.63	101.94	29.925		
12,400.00	7,730.00	7,426.00	7,351.51	76.97	30.18	-14.52	1,266.20	3,617.84	3,149.92	3,047.93	101.99	30.885		
12,500.00	7,730.00	7,426.00	7,351.51	77.50	30.18	-14.52	1,266.20	3,617.84	3,249.32	3,147.28	102.04	31.845		
12,600.00	7,730.00	7,407.24	7,332.89	78.09	30.13	-13.77	1,263.99	3,617.67	3,348.49	3,246.47	102.02	32.821		
12,700.00	7,730.00	7,405.11	7,330.77	78.74	30.13	-13.69	1,263.77	3,617.65	3,447.89	3,345.83	102.06	33.783		
12,800.00	7,730.00	7,403.07	7,328.74	79.45	30.12	-13.61	1,263.56	3,617.63	3,547.32	3,445.23	102.09	34.745		
12,900.00	7,730.00	7,401.12	7,326.80	80.22	30.12	-13.54	1,263.36	3,617.61	3,646.78	3,544.65	102.13	35.708		
13,000.00	7,730.00	7,399.26	7,324.95	81.05	30.12	-13.47	1,263.18	3,617.59	3,746.26	3,644.10	102.16	36.670		
13,100.00	7,730.00	7,397.47	7,323.17	81.94	30.11	-13.41	1,263.00	3,617.57	3,845.76	3,743.57	102.19	37.633		
13,200.00	7,730.00	7,379.00	7,304.77	82.87	30.07	-12.76	1,261.44	3,617.35	3,945.48	3,843.30	102.18	38.613		
13,300.00	7,730.00	7,379.00	7,304.77	83.86	30.07	-12.76	1,261.44	3,617.35	4,044.99	3,942.78	102.21	39.574		
13,400.00	7,730.00	7,379.00	7,304.77	84.90	30.07	-12.76	1,261.44	3,617.35	4,144.52	4,042.27	102.25	40.535		
13,500.00	7,730.00	7,379.00	7,304.77	85.97	30.07	-12.76	1,261.44	3,617.35	4,244.07	4,141.79	102.28	41.496		
13,600.00	7,730.00	7,379.00	7,304.77	87.09	30.07	-12.76	1,261.44	3,617.35	4,343.64	4,241.33	102.31	42.457		
13,700.00	7,730.00	7,379.00	7,304.77	88.25	30.07	-12.76	1,261.44	3,617.35	4,443.23	4,340.89	102.34	43.417		
13,800.00	7,730.00	7,379.00	7,304.77	89.44	30.07	-12.76	1,261.44	3,617.35	4,542.84	4,440.47	102.37	44.378		
13,900.00	7,730.00	7,379.00	7,304.77	90.66	30.07	-12.76	1,261.44	3,617.35	4,642.46	4,540.07	102.39	45.339		
14,000.00	7,730.00	7,379.00	7,304.77	91.92	30.07	-12.76	1,261.44	3,617.35	4,742.11	4,639.68	102.42	46.300		
14,100.00	7,730.00	7,379.00	7,304.77	93.20	30.07	-12.76	1,261.44	3,617.35	4,841.76	4,739.31	102.45	47.260		
14,200.00	7,730.00	7,379.00	7,304.77	94.50	30.07	-12.76	1,261.44	3,617.35	4,941.43	4,838.96	102.48	48.221		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 28C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,379.00	7,304.77	95.83	30.07	-12.76	1,261.44	3,617.35	5,041.12	4,938.61	102.50	49.181		
14,400.00	7,730.00	7,379.00	7,304.77	97.17	30.07	-12.76	1,261.44	3,617.35	5,140.81	5,038.28	102.53	50.141		
14,500.00	7,730.00	7,379.00	7,304.77	98.54	30.07	-12.76	1,261.44	3,617.35	5,240.52	5,137.96	102.55	51.101		
14,600.00	7,730.00	7,379.00	7,304.77	99.92	30.07	-12.76	1,261.44	3,617.35	5,340.24	5,237.66	102.58	52.060		
14,700.00	7,730.00	7,379.00	7,304.77	101.32	30.07	-12.76	1,261.44	3,617.35	5,439.96	5,337.36	102.60	53.019		
14,800.00	7,730.00	7,379.00	7,304.77	102.74	30.07	-12.76	1,261.44	3,617.35	5,539.70	5,437.07	102.63	53.978		
14,900.00	7,730.00	7,379.00	7,304.77	104.17	30.07	-12.76	1,261.44	3,617.35	5,639.45	5,536.80	102.65	54.937		
15,000.00	7,730.00	7,379.00	7,304.77	105.62	30.07	-12.76	1,261.44	3,617.35	5,739.21	5,636.53	102.68	55.896		
15,100.00	7,730.00	7,379.00	7,304.77	107.07	30.07	-12.76	1,261.44	3,617.35	5,838.97	5,736.27	102.70	56.854		
15,200.00	7,730.00	7,379.00	7,304.77	108.54	30.07	-12.76	1,261.44	3,617.35	5,938.74	5,836.02	102.73	57.812		
15,300.00	7,730.00	7,379.00	7,304.77	110.02	30.07	-12.76	1,261.44	3,617.35	6,038.52	5,935.77	102.75	58.769		
15,400.00	7,730.00	7,379.00	7,304.77	111.51	30.07	-12.76	1,261.44	3,617.35	6,138.31	6,035.54	102.77	59.726		
15,500.00	7,730.00	7,379.00	7,304.77	113.01	30.07	-12.76	1,261.44	3,617.35	6,238.10	6,135.30	102.80	60.683		
15,600.00	7,730.00	7,379.00	7,304.77	114.52	30.07	-12.76	1,261.44	3,617.35	6,337.90	6,235.08	102.82	61.639		
15,700.00	7,730.00	7,379.00	7,304.77	116.04	30.07	-12.76	1,261.44	3,617.35	6,437.71	6,334.86	102.85	62.595		
15,800.00	7,730.00	7,379.00	7,304.77	117.56	30.07	-12.76	1,261.44	3,617.35	6,537.52	6,434.65	102.87	63.550		
15,900.00	7,730.00	7,379.00	7,304.77	119.09	30.07	-12.76	1,261.44	3,617.35	6,637.34	6,534.44	102.90	64.505		
16,000.00	7,730.00	7,379.00	7,304.77	120.63	30.07	-12.76	1,261.44	3,617.35	6,737.17	6,634.24	102.92	65.459		
16,100.00	7,730.00	7,379.00	7,304.77	122.18	30.07	-12.76	1,261.44	3,617.35	6,836.99	6,734.05	102.95	66.413		
16,200.00	7,730.00	7,379.00	7,304.77	123.73	30.07	-12.76	1,261.44	3,617.35	6,936.83	6,833.86	102.97	67.367		
16,300.00	7,730.00	7,379.00	7,304.77	125.29	30.07	-12.76	1,261.44	3,617.35	7,036.67	6,933.67	103.00	68.320		
16,400.00	7,730.00	7,379.00	7,304.77	126.86	30.07	-12.76	1,261.44	3,617.35	7,136.51	7,033.49	103.02	69.272		
16,500.00	7,730.00	7,379.00	7,304.77	128.43	30.07	-12.76	1,261.44	3,617.35	7,236.36	7,133.31	103.05	70.224		
16,600.00	7,730.00	7,379.00	7,304.77	130.01	30.07	-12.76	1,261.44	3,617.35	7,336.21	7,233.14	103.07	71.176		
16,700.00	7,730.00	7,379.00	7,304.77	131.59	30.07	-12.76	1,261.44	3,617.35	7,436.06	7,332.97	103.10	72.126		
16,800.00	7,730.00	7,379.00	7,304.77	133.18	30.07	-12.76	1,261.44	3,617.35	7,535.92	7,432.80	103.12	73.077		
16,900.00	7,730.00	7,379.00	7,304.77	134.77	30.07	-12.76	1,261.44	3,617.35	7,635.79	7,532.64	103.15	74.026		
17,000.00	7,730.00	7,379.00	7,304.77	136.37	30.07	-12.76	1,261.44	3,617.35	7,735.65	7,632.48	103.18	74.976		
17,100.00	7,730.00	7,379.00	7,304.77	137.97	30.07	-12.76	1,261.44	3,617.35	7,835.52	7,732.32	103.20	75.924		
17,200.00	7,730.00	7,379.00	7,304.77	139.57	30.07	-12.76	1,261.44	3,617.35	7,935.39	7,832.17	103.23	76.872		
17,300.00	7,730.00	7,379.00	7,304.77	141.18	30.07	-12.76	1,261.44	3,617.35	8,035.27	7,932.02	103.26	77.819		
17,400.00	7,730.00	7,379.00	7,304.77	142.79	30.07	-12.76	1,261.44	3,617.35	8,135.15	8,031.87	103.28	78.766		
17,500.00	7,730.00	7,379.00	7,304.77	144.41	30.07	-12.76	1,261.44	3,617.35	8,235.03	8,131.72	103.31	79.712		
17,600.00	7,730.00	7,379.00	7,304.77	146.03	30.07	-12.76	1,261.44	3,617.35	8,334.92	8,231.58	103.34	80.657		
17,700.00	7,730.00	7,379.00	7,304.77	147.65	30.07	-12.76	1,261.44	3,617.35	8,434.81	8,331.44	103.36	81.602		
17,800.00	7,730.00	7,379.00	7,304.77	149.28	30.07	-12.76	1,261.44	3,617.35	8,534.70	8,431.30	103.39	82.546		
17,900.00	7,730.00	7,379.00	7,304.77	150.91	30.07	-12.76	1,261.44	3,617.35	8,634.59	8,531.17	103.42	83.490		
18,000.00	7,730.00	7,379.00	7,304.77	152.54	30.07	-12.76	1,261.44	3,617.35	8,734.48	8,631.04	103.45	84.432		
18,100.00	7,730.00	7,379.00	7,304.77	154.18	30.07	-12.76	1,261.44	3,617.35	8,834.38	8,730.90	103.48	85.374		
18,200.00	7,730.00	7,379.00	7,304.77	155.82	30.07	-12.76	1,261.44	3,617.35	8,934.28	8,830.78	103.51	86.316		
18,300.00	7,730.00	7,339.24	7,265.08	157.46	29.97	-11.54	1,259.02	3,616.86	9,033.56	8,930.08	103.47	87.303		
18,400.00	7,730.00	7,338.58	7,264.43	159.11	29.96	-11.53	1,258.99	3,616.85	9,133.44	9,029.94	103.50	88.244		
18,500.00	7,730.00	7,337.94	7,263.79	160.75	29.96	-11.51	1,258.96	3,616.84	9,233.33	9,129.80	103.53	89.184		
18,600.00	7,730.00	7,337.32	7,263.16	162.40	29.96	-11.49	1,258.94	3,616.84	9,333.22	9,229.66	103.56	90.123		
18,700.00	7,730.00	7,336.70	7,262.54	164.05	29.96	-11.47	1,258.91	3,616.83	9,433.11	9,329.52	103.59	91.062		
18,800.00	7,730.00	7,336.09	7,261.94	165.71	29.96	-11.46	1,258.88	3,616.82	9,533.00	9,429.38	103.62	92.000		
18,900.00	7,730.00	7,335.50	7,261.35	167.36	29.96	-11.44	1,258.85	3,616.82	9,632.90	9,529.25	103.65	92.937		
18,942.39	7,730.00	7,335.25	7,261.10	168.07	29.96	-11.44	1,258.84	3,616.81	9,675.24	9,571.58	103.66	93.334		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 3C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	58.08	2,112.74	3,391.66	3,996.06					
100.00	100.00	52.37	52.37	0.13	0.10	58.08	2,112.73	3,391.71	3,995.92	3,995.69	0.23	N/A		
200.00	200.00	126.75	126.75	0.49	0.37	58.09	2,112.64	3,392.26	3,996.49	3,995.63	0.86	4,655.149		
300.00	300.00	223.12	223.11	0.85	0.71	58.09	2,112.77	3,393.23	3,997.42	3,995.86	1.56	2,560.667		
400.00	400.00	311.01	310.99	1.21	1.02	58.09	2,113.24	3,394.10	3,998.54	3,996.31	2.23	1,790.360		
500.00	500.00	448.74	448.73	1.57	1.51	58.09	2,113.86	3,394.90	3,999.24	3,996.17	3.08	1,298.768		
600.00	600.00	534.25	534.22	1.93	1.81	58.08	2,114.63	3,394.99	3,999.80	3,996.06	3.74	1,069.962		
700.00	700.00	664.06	664.02	2.29	2.26	58.06	2,116.18	3,394.46	4,000.07	3,995.52	4.55	879.374		
800.00	800.00	775.99	775.95	2.64	2.65	58.05	2,116.76	3,393.80	3,999.84	3,994.54	5.29	755.594		
900.00	899.98	885.52	885.49	3.00	3.03	-1.55	2,116.98	3,393.07	3,997.64	3,991.61	6.03	663.383		
1,000.00	999.84	983.25	983.20	3.35	3.36	-1.56	2,117.00	3,392.34	3,991.79	3,985.07	6.72	594.395		
1,100.00	1,099.45	1,069.84	1,069.80	3.71	3.66	-1.56	2,116.60	3,392.18	3,982.69	3,975.31	7.37	540.383		
1,200.00	1,198.70	1,992.21	1,982.92	4.08	7.10	-1.41	2,049.93	3,311.94	3,953.59	3,942.76	10.83	364.914		
1,300.00	1,297.47	2,140.42	2,127.34	4.47	7.75	-1.27	2,024.35	3,290.60	3,917.26	3,905.56	11.70	334.726		
1,400.00	1,395.62	2,201.00	2,186.29	4.87	8.03	-1.22	2,013.53	3,281.79	3,877.25	3,864.97	12.28	315.659		
1,500.00	1,493.06	2,257.83	2,241.69	5.31	8.28	-1.17	2,003.64	3,273.90	3,834.83	3,821.97	12.85	298.363		
1,600.00	1,589.64	2,346.12	2,327.92	5.77	8.69	-1.09	1,988.67	3,262.21	3,789.97	3,776.44	13.53	280.166		
1,700.00	1,685.27	2,547.51	2,523.82	6.28	9.65	-0.85	1,952.67	3,232.55	3,740.50	3,725.93	14.57	256.681		
1,800.00	1,779.82	2,609.44	2,583.85	6.83	9.95	-0.79	1,941.15	3,222.61	3,686.77	3,671.61	15.16	243.178		
1,900.00	1,873.17	2,652.39	2,625.62	7.43	10.16	-0.76	1,933.65	3,215.97	3,631.02	3,615.33	15.69	231.437		
2,000.00	1,965.21	2,694.99	2,667.16	8.08	10.37	-0.73	1,926.67	3,209.64	3,573.29	3,557.08	16.22	220.339		
2,100.00	2,055.84	2,761.00	2,731.75	8.79	10.69	-0.68	1,916.75	3,200.31	3,513.77	3,496.95	16.82	208.925		
2,200.00	2,144.94	2,786.40	2,756.66	9.56	10.81	-0.67	1,913.12	3,196.88	3,451.97	3,434.68	17.30	199.584		
2,300.00	2,232.39	2,844.36	2,813.51	10.39	11.08	-0.62	1,904.67	3,189.43	3,388.12	3,370.25	17.87	189.571		
2,400.00	2,318.11	2,966.77	2,933.40	11.30	11.66	-0.46	1,885.52	3,173.86	3,321.27	3,302.64	18.64	178.219		
2,504.60	2,405.78	3,034.98	3,000.06	12.31	11.99	-0.34	1,873.83	3,165.33	3,248.18	3,228.93	19.26	168.683		
2,600.00	2,484.79	3,203.73	3,164.34	13.28	12.84	0.03	1,843.21	3,141.89	3,178.87	3,158.77	20.10	158.149		
2,700.00	2,567.60	3,285.68	3,243.85	14.32	13.26	0.21	1,827.98	3,129.19	3,105.38	3,084.66	20.72	149.860		
2,800.00	2,650.41	3,396.13	3,350.87	15.37	13.84	0.46	1,807.37	3,111.25	3,031.52	3,010.11	21.41	141.605		
2,900.00	2,733.23	3,450.27	3,403.21	16.44	14.13	0.59	1,797.20	3,101.88	2,956.95	2,934.98	21.97	134.594		
3,000.00	2,816.04	3,486.30	3,438.14	17.52	14.32	0.67	1,790.70	3,095.91	2,883.06	2,860.56	22.50	128.118		
3,100.00	2,898.85	3,546.76	3,496.91	18.60	14.64	0.82	1,780.16	3,086.38	2,809.85	2,786.76	23.09	121.667		
3,200.00	2,981.67	3,632.11	3,579.61	19.69	15.09	1.06	1,764.06	3,072.78	2,736.00	2,712.26	23.73	115.276		
3,300.00	3,064.48	3,672.84	3,619.13	20.79	15.30	1.18	1,756.49	3,066.46	2,662.58	2,638.27	24.31	109.538		
3,400.00	3,147.30	3,726.04	3,670.88	21.90	15.58	1.34	1,747.07	3,058.53	2,589.82	2,564.91	24.91	103.971		
3,500.00	3,230.11	3,813.19	3,755.58	23.00	16.03	1.63	1,731.16	3,045.53	2,516.90	2,491.34	25.56	98.478		
3,600.00	3,312.92	3,858.57	3,799.69	24.12	16.27	1.80	1,722.76	3,038.99	2,444.16	2,418.00	26.17	93.405		
3,700.00	3,395.74	3,911.28	3,850.98	25.23	16.54	2.00	1,713.03	3,031.71	2,371.89	2,345.10	26.79	88.523		
3,800.00	3,478.55	3,965.49	3,903.83	26.35	16.82	2.21	1,703.42	3,024.40	2,300.10	2,272.67	27.43	83.850		
3,900.00	3,561.36	4,026.31	3,963.23	27.47	17.13	2.45	1,693.17	3,016.27	2,228.72	2,200.64	28.08	79.373		
4,000.00	3,644.18	4,091.46	4,026.91	28.59	17.45	2.70	1,682.62	3,007.51	2,157.54	2,128.80	28.73	75.088		
4,100.00	3,726.99	4,157.56	4,091.60	29.72	17.78	2.95	1,672.48	2,998.45	2,086.52	2,057.13	29.39	70.992		
4,200.00	3,809.81	4,200.00	4,185.09	30.85	17.99	3.30	1,658.08	2,984.19	2,014.76	1,984.94	29.82	67.557		
4,300.00	3,892.62	4,351.13	4,280.49	31.98	18.77	3.70	1,642.81	2,968.36	1,942.05	1,911.39	30.66	63.340		
4,400.00	3,975.43	4,442.03	4,368.90	33.11	19.25	4.11	1,628.32	2,952.97	1,868.93	1,837.65	31.28	59.752		
4,500.00	4,058.25	4,563.82	4,486.68	34.24	19.91	4.78	1,606.86	2,930.62	1,794.43	1,762.62	31.81	56.403		
4,600.00	4,141.06	4,608.16	4,529.46	35.37	20.16	5.06	1,598.70	2,922.33	1,719.40	1,686.88	32.52	52.868		
4,700.00	4,223.87	4,665.44	4,584.85	36.50	20.48	5.44	1,588.49	2,911.88	1,644.94	1,611.73	33.22	49.523		
4,800.00	4,306.69	4,739.00	4,655.92	37.64	20.89	5.99	1,574.92	2,898.61	1,570.46	1,536.59	33.87	46.367		
4,900.00	4,389.50	4,784.92	4,700.31	38.77	21.14	6.38	1,566.35	2,890.57	1,496.31	1,461.67	34.64	43.192		
5,000.00	4,472.32	4,836.00	4,749.88	39.91	21.42	6.84	1,557.26	2,882.25	1,423.20	1,387.77	35.43	40.174		
5,100.00	4,555.13	4,926.75	4,837.87	41.05	21.91	7.75	1,540.92	2,867.27	1,350.06	1,314.01	36.05	37.453		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 3C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	5,033.06	4,940.18	42.18	22.52	9.07	1,519.65	2,847.70	1,275.20	1,238.63	36.57	34.872		
5,300.00	4,720.76	5,081.58	4,986.76	43.32	22.80	9.77	1,509.61	2,838.58	1,199.99	1,162.53	37.46	32.032		
5,400.00	4,803.57	5,135.04	5,038.22	44.46	23.11	10.62	1,498.82	2,828.89	1,125.56	1,087.18	38.38	29.325		
5,500.00	4,886.39	5,188.14	5,089.42	45.60	23.41	11.58	1,487.94	2,819.98	1,052.06	1,012.68	39.38	26.716		
5,600.00	4,969.20	5,253.00	5,152.01	46.74	23.77	12.96	1,474.28	2,809.89	979.42	939.04	40.38	24.254		
5,700.00	5,052.01	5,321.41	5,217.92	47.88	24.16	14.66	1,459.44	2,799.07	906.81	865.35	41.46	21.870		
5,800.00	5,134.83	5,376.32	5,270.93	49.02	24.46	16.20	1,447.85	2,790.69	835.14	792.34	42.80	19.512		
5,900.00	5,217.64	5,443.40	5,335.89	50.16	24.84	18.33	1,434.22	2,780.93	764.68	720.48	44.20	17.299		
6,000.00	5,300.45	5,515.04	5,405.08	51.30	25.23	21.07	1,419.18	2,770.11	694.41	648.60	45.81	15.157		
6,100.00	5,383.27	5,579.62	5,467.50	52.45	25.59	23.99	1,405.87	2,760.27	625.12	577.28	47.84	13.068		
6,200.00	5,466.08	5,644.06	5,529.89	53.59	25.95	27.44	1,392.93	2,750.62	557.38	507.05	50.33	11.075		
6,300.00	5,548.90	5,709.93	5,593.72	54.73	26.31	31.70	1,379.77	2,741.04	491.77	438.29	53.47	9.197		
6,400.00	5,631.71	5,777.97	5,659.72	55.87	26.68	37.04	1,366.53	2,731.16	428.83	371.32	57.51	7.457		
6,500.00	5,714.52	5,850.21	5,729.84	57.02	27.07	44.00	1,353.00	2,720.23	369.38	306.66	62.72	5.889		
6,600.00	5,797.34	5,918.57	5,796.22	58.16	27.44	52.09	1,340.82	2,709.35	315.27	245.82	69.45	4.540		
6,700.00	5,880.15	5,985.59	5,861.43	59.30	27.80	61.60	1,329.41	2,698.94	270.57	193.09	77.48	3.492		
6,800.00	5,962.96	6,050.38	5,924.39	60.45	28.15	72.34	1,317.67	2,689.13	240.91	155.64	85.27	2.825		
6,889.08	6,036.74	6,110.90	5,983.20	61.47	28.47	83.14	1,306.30	2,680.47	232.07	142.84	89.23	2.601 CC		
6,900.00	6,045.78	6,118.64	5,990.74	61.59	28.51	84.52	1,304.92	2,679.43	232.20	142.78	89.42	2.597 ES, SF		
7,000.00	6,128.59	6,191.83	6,062.37	62.73	28.88	97.07	1,292.83	2,670.55	244.84	156.56	88.28	2.773		
7,100.00	6,211.41	6,268.78	6,138.16	63.88	29.24	108.65	1,281.84	2,662.96	274.19	190.13	84.06	3.262		
7,200.00	6,294.22	6,345.29	6,213.71	65.02	29.58	118.27	1,271.94	2,656.21	314.88	235.64	79.24	3.974		
7,300.00	6,377.03	6,424.03	6,291.59	66.17	29.92	126.40	1,262.71	2,649.04	362.79	287.70	75.09	4.831		
7,400.00	6,459.85	6,510.73	6,377.51	67.31	30.29	133.59	1,254.27	2,641.20	414.64	342.62	72.03	5.757		
7,500.00	6,542.66	6,597.10	6,463.43	68.46	30.62	139.16	1,247.88	2,635.15	467.79	397.95	69.84	6.698		
7,600.00	6,625.48	6,682.28	6,548.31	69.60	30.93	143.53	1,242.63	2,630.28	522.04	453.73	68.30	7.643		
7,700.00	6,708.29	6,766.61	6,632.41	70.75	31.23	147.11	1,238.56	2,625.64	576.99	509.79	67.20	8.587		
7,800.00	6,791.10	6,853.73	6,719.35	71.89	31.53	150.20	1,235.14	2,621.21	632.46	565.96	66.51	9.510		
7,900.00	6,873.92	6,945.43	6,810.94	73.04	31.83	152.92	1,232.94	2,617.45	687.45	621.29	66.17	10.390		
8,000.00	6,956.73	7,031.65	6,897.11	74.18	32.10	155.09	1,231.69	2,614.59	742.21	676.26	65.95	11.255		
8,100.00	7,039.54	7,113.51	6,978.93	75.33	32.35	156.87	1,230.71	2,612.07	797.30	731.47	65.83	12.112		
8,165.32	7,093.63	7,168.41	7,033.80	76.08	32.52	157.91	1,229.90	2,610.71	833.45	767.58	65.86	12.654		
8,200.00	7,122.60	7,198.17	7,063.55	76.47	32.61	152.20	1,229.38	2,610.15	852.00	786.11	65.89	12.930		
8,250.00	7,165.05	7,249.89	7,115.26	77.01	32.76	143.83	1,228.60	2,609.55	876.20	810.19	66.01	13.274		
8,300.00	7,208.03	7,303.04	7,168.41	77.52	32.92	135.29	1,228.15	2,609.43	897.15	831.07	66.08	13.577		
8,350.00	7,251.22	7,347.51	7,212.88	77.99	33.03	126.64	1,228.11	2,609.33	915.09	849.14	65.95	13.876		
8,400.00	7,294.28	7,505.05	7,369.90	78.41	33.39	122.02	1,237.96	2,610.08	929.78	862.93	66.85	13.909		
8,450.00	7,336.90	8,115.87	7,838.48	78.78	33.08	144.61	1,589.41	2,601.33	927.30	864.57	62.73	14.782		
8,500.00	7,378.73	8,133.60	7,846.01	79.10	33.04	139.51	1,605.46	2,600.93	918.87	854.57	64.30	14.290		
8,550.00	7,419.47	8,136.83	7,847.35	79.37	33.03	134.28	1,608.40	2,600.86	912.00	846.17	65.83	13.854		
8,600.00	7,458.81	8,129.84	7,844.43	79.59	33.05	129.13	1,602.04	2,601.01	906.83	839.62	67.22	13.491		
8,650.00	7,496.44	8,115.47	7,838.31	79.76	33.08	124.19	1,589.05	2,601.34	903.35	834.93	68.42	13.202		
8,700.00	7,532.08	8,095.70	7,829.56	79.88	33.12	119.49	1,571.33	2,601.81	901.44	831.99	69.45	12.980		
8,744.19	7,561.71	8,078.20	7,821.48	79.94	33.16	115.75	1,555.80	2,602.22	900.92	830.63	70.30	12.816		
8,750.00	7,565.46	8,075.76	7,820.33	79.95	33.16	115.28	1,553.65	2,602.28	900.93	830.53	70.40	12.797		
8,800.00	7,596.33	8,054.92	7,810.23	79.98	33.20	111.44	1,535.43	2,602.71	901.66	830.38	71.28	12.650		
8,850.00	7,624.44	8,025.84	7,795.31	79.97	33.26	107.48	1,510.49	2,603.23	903.39	831.51	71.88	12.568		
8,900.00	7,649.59	7,997.07	7,779.43	79.93	33.31	103.89	1,486.50	2,603.67	905.85	833.39	72.46	12.501		
8,950.00	7,671.59	7,967.86	7,762.22	79.84	33.37	100.58	1,462.90	2,604.06	908.82	835.81	73.01	12.447		
9,000.00	7,690.26	7,939.62	7,744.57	79.73	33.41	97.61	1,440.86	2,604.38	912.12	838.50	73.62	12.390		
9,050.00	7,705.47	7,913.22	7,726.99	79.59	33.45	95.01	1,421.17	2,604.57	915.60	841.26	74.34	12.316		
9,100.00	7,717.09	7,881.59	7,704.53	79.43	33.49	92.39	1,398.93	2,604.72	919.07	844.14	74.94	12.265		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 3C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,725.04	7,844.73	7,676.45	79.26	33.52	89.74	1,375.04	2,605.08	922.24	846.83	75.41	12.230		
9,200.00	7,729.27	7,802.73	7,642.71	79.06	33.55	87.10	1,350.08	2,606.21	924.65	848.90	75.75	12.206		
9,231.13	7,730.00	7,785.77	7,628.67	78.93	33.56	86.08	1,340.59	2,606.81	925.84	849.46	76.39	12.121		
9,300.00	7,730.00	7,752.87	7,600.83	78.65	33.57	84.35	1,323.10	2,608.03	930.10	852.06	78.04	11.918		
9,400.00	7,730.00	7,717.00	7,569.66	78.26	33.57	82.43	1,305.41	2,609.26	943.37	862.40	80.97	11.651		
9,500.00	7,730.00	7,687.77	7,543.65	77.89	33.56	80.84	1,292.11	2,610.06	965.26	881.21	84.05	11.485		
9,600.00	7,730.00	7,670.00	7,527.57	77.53	33.56	79.86	1,284.55	2,610.44	995.63	908.35	87.28	11.407		
9,700.00	7,730.00	7,644.51	7,504.15	77.19	33.55	78.45	1,274.48	2,610.81	1,033.90	944.05	89.86	11.506		
9,800.00	7,730.00	7,622.00	7,483.15	76.88	33.53	77.19	1,266.40	2,610.95	1,079.55	987.40	92.14	11.716		
9,900.00	7,730.00	7,622.00	7,483.15	76.58	33.53	77.19	1,266.40	2,610.95	1,131.74	1,037.10	94.64	11.958		
10,000.00	7,730.00	7,600.04	7,462.35	76.30	33.51	75.96	1,259.33	2,610.98	1,189.54	1,093.42	96.12	12.376		
10,100.00	7,730.00	7,588.85	7,451.66	76.04	33.50	75.34	1,256.05	2,610.97	1,252.46	1,154.94	97.53	12.842		
10,200.00	7,730.00	7,575.00	7,438.33	75.79	33.49	74.56	1,252.30	2,610.94	1,319.76	1,221.18	98.58	13.388		
10,300.00	7,730.00	7,575.00	7,438.33	75.57	33.49	74.56	1,252.30	2,610.94	1,390.81	1,291.18	99.63	13.960		
10,400.00	7,730.00	7,575.00	7,438.33	75.36	33.49	74.56	1,252.30	2,610.94	1,465.24	1,364.81	100.44	14.589		
10,500.00	7,730.00	7,554.67	7,418.61	75.18	33.46	73.43	1,247.37	2,610.81	1,542.13	1,441.38	100.76	15.305		
10,600.00	7,730.00	7,548.00	7,412.10	75.01	33.45	73.06	1,245.89	2,610.74	1,621.61	1,520.45	101.16	16.030		
10,700.00	7,730.00	7,528.00	7,392.51	74.86	33.43	71.95	1,241.88	2,610.47	1,703.37	1,602.09	101.29	16.817		
10,800.00	7,730.00	7,528.00	7,392.51	74.74	33.43	71.95	1,241.88	2,610.47	1,786.61	1,685.03	101.58	17.588		
10,900.00	7,730.00	7,528.00	7,392.51	74.64	33.43	71.95	1,241.88	2,610.47	1,871.49	1,769.70	101.79	18.386		
11,000.00	7,730.00	7,528.00	7,392.51	74.56	33.43	71.95	1,241.88	2,610.47	1,957.80	1,855.87	101.93	19.207		
11,100.00	7,730.00	7,528.00	7,392.51	74.51	33.43	71.95	1,241.88	2,610.47	2,045.36	1,943.33	102.03	20.047		
11,200.00	7,730.00	7,528.00	7,392.51	74.48	33.43	71.95	1,241.88	2,610.47	2,134.01	2,031.93	102.08	20.906		
11,300.00	7,730.00	7,510.49	7,375.27	74.48	33.40	70.99	1,238.83	2,610.18	2,223.38	2,121.41	101.97	21.804		
11,400.00	7,730.00	7,505.97	7,370.81	74.50	33.39	70.74	1,238.10	2,610.10	2,313.70	2,211.76	101.95	22.695		
11,500.00	7,730.00	7,501.74	7,366.63	74.56	33.38	70.51	1,237.44	2,610.02	2,404.77	2,302.86	101.91	23.598		
11,600.00	7,730.00	7,497.77	7,362.71	74.66	33.38	70.30	1,236.84	2,609.95	2,496.49	2,394.63	101.85	24.510		
11,700.00	7,730.00	7,481.00	7,346.11	74.79	33.35	69.39	1,234.51	2,609.63	2,588.93	2,487.21	101.72	25.451		
11,800.00	7,730.00	7,481.00	7,346.11	74.96	33.35	69.39	1,234.51	2,609.63	2,681.71	2,580.04	101.68	26.374		
11,900.00	7,730.00	7,481.00	7,346.11	75.17	33.35	69.39	1,234.51	2,609.63	2,775.00	2,673.37	101.63	27.305		
12,000.00	7,730.00	7,481.00	7,346.11	75.43	33.35	69.39	1,234.51	2,609.63	2,868.74	2,767.16	101.57	28.243		
12,100.00	7,730.00	7,481.00	7,346.11	75.73	33.35	69.39	1,234.51	2,609.63	2,962.88	2,861.37	101.51	29.188		
12,200.00	7,730.00	7,481.00	7,346.11	76.09	33.35	69.39	1,234.51	2,609.63	3,057.40	2,955.95	101.45	30.138		
12,300.00	7,730.00	7,481.00	7,346.11	76.51	33.35	69.39	1,234.51	2,609.63	3,152.26	3,050.88	101.38	31.094		
12,400.00	7,730.00	7,481.00	7,346.11	76.97	33.35	69.39	1,234.51	2,609.63	3,247.42	3,146.11	101.31	32.054		
12,500.00	7,730.00	7,481.00	7,346.11	77.50	33.35	69.39	1,234.51	2,609.63	3,342.87	3,241.63	101.24	33.019		
12,600.00	7,730.00	7,481.00	7,346.11	78.09	33.35	69.39	1,234.51	2,609.63	3,438.58	3,337.40	101.17	33.987		
12,700.00	7,730.00	7,481.00	7,346.11	78.74	33.35	69.39	1,234.51	2,609.63	3,534.52	3,433.42	101.10	34.959		
12,800.00	7,730.00	7,481.00	7,346.11	79.45	33.35	69.39	1,234.51	2,609.63	3,630.68	3,529.65	101.04	35.935		
12,900.00	7,730.00	7,481.00	7,346.11	80.22	33.35	69.39	1,234.51	2,609.63	3,727.05	3,626.08	100.97	36.913		
13,000.00	7,730.00	7,461.64	7,326.88	81.05	33.31	68.36	1,232.29	2,609.32	3,823.31	3,722.46	100.84	37.913		
13,100.00	7,730.00	7,459.98	7,325.23	81.94	33.31	68.27	1,232.12	2,609.30	3,919.98	3,819.20	100.78	38.898		
13,200.00	7,730.00	7,458.39	7,323.65	82.87	33.30	68.19	1,231.96	2,609.28	4,016.81	3,916.10	100.71	39.885		
13,300.00	7,730.00	7,456.88	7,322.14	83.86	33.30	68.10	1,231.82	2,609.27	4,113.79	4,013.14	100.65	40.873		
13,400.00	7,730.00	7,455.43	7,320.69	84.90	33.30	68.03	1,231.68	2,609.25	4,210.91	4,110.32	100.59	41.864		
13,500.00	7,730.00	7,454.04	7,319.31	85.97	33.29	67.95	1,231.56	2,609.24	4,308.15	4,207.63	100.53	42.856		
13,600.00	7,730.00	7,433.00	7,298.33	87.09	33.25	66.84	1,229.96	2,609.10	4,405.82	4,305.40	100.42	43.873		
13,700.00	7,730.00	7,433.00	7,298.33	88.25	33.25	66.84	1,229.96	2,609.10	4,503.26	4,402.89	100.37	44.866		
13,800.00	7,730.00	7,433.00	7,298.33	89.44	33.25	66.84	1,229.96	2,609.10	4,600.81	4,500.49	100.32	45.861		
13,900.00	7,730.00	7,433.00	7,298.33	90.66	33.25	66.84	1,229.96	2,609.10	4,698.47	4,598.20	100.27	46.857		
14,000.00	7,730.00	7,433.00	7,298.33	91.92	33.25	66.84	1,229.96	2,609.10	4,796.22	4,695.99	100.23	47.854		
14,100.00	7,730.00	7,433.00	7,298.33	93.20	33.25	66.84	1,229.96	2,609.10	4,894.06	4,793.88	100.18	48.852		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 3C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,433.00	7,298.33	94.50	33.25	66.84	1,229.96	2,609.10	4,991.99	4,891.85	100.14	49.851		
14,300.00	7,730.00	7,433.00	7,298.33	95.83	33.25	66.84	1,229.96	2,609.10	5,090.00	4,989.90	100.10	50.851		
14,400.00	7,730.00	7,433.00	7,298.33	97.17	33.25	66.84	1,229.96	2,609.10	5,188.08	5,088.02	100.06	51.851		
14,500.00	7,730.00	7,433.00	7,298.33	98.54	33.25	66.84	1,229.96	2,609.10	5,286.24	5,186.22	100.02	52.853		
14,600.00	7,730.00	7,433.00	7,298.33	99.92	33.25	66.84	1,229.96	2,609.10	5,384.46	5,284.48	99.98	53.855		
14,700.00	7,730.00	7,433.00	7,298.33	101.32	33.25	66.84	1,229.96	2,609.10	5,482.75	5,382.80	99.95	54.857		
14,800.00	7,730.00	7,433.00	7,298.33	102.74	33.25	66.84	1,229.96	2,609.10	5,581.10	5,481.19	99.91	55.860		
14,900.00	7,730.00	7,433.00	7,298.33	104.17	33.25	66.84	1,229.96	2,609.10	5,679.50	5,579.62	99.88	56.863		
15,000.00	7,730.00	7,433.00	7,298.33	105.62	33.25	66.84	1,229.96	2,609.10	5,777.96	5,678.12	99.85	57.867		
15,100.00	7,730.00	7,433.00	7,298.33	107.07	33.25	66.84	1,229.96	2,609.10	5,876.48	5,776.66	99.82	58.871		
15,200.00	7,730.00	7,433.00	7,298.33	108.54	33.25	66.84	1,229.96	2,609.10	5,975.04	5,875.25	99.79	59.875		
15,300.00	7,730.00	7,433.00	7,298.33	110.02	33.25	66.84	1,229.96	2,609.10	6,073.65	5,973.88	99.77	60.879		
15,400.00	7,730.00	7,433.00	7,298.33	111.51	33.25	66.84	1,229.96	2,609.10	6,172.30	6,072.56	99.74	61.884		
15,500.00	7,730.00	7,433.00	7,298.33	113.01	33.25	66.84	1,229.96	2,609.10	6,271.00	6,171.28	99.72	62.888		
15,600.00	7,730.00	7,433.00	7,298.33	114.52	33.25	66.84	1,229.96	2,609.10	6,369.74	6,270.04	99.69	63.893		
15,700.00	7,730.00	7,433.00	7,298.33	116.04	33.25	66.84	1,229.96	2,609.10	6,468.52	6,368.84	99.67	64.898		
15,800.00	7,730.00	7,433.00	7,298.33	117.56	33.25	66.84	1,229.96	2,609.10	6,567.33	6,467.68	99.65	65.902		
15,900.00	7,730.00	7,433.00	7,298.33	119.09	33.25	66.84	1,229.96	2,609.10	6,666.18	6,566.54	99.63	66.907		
16,000.00	7,730.00	7,433.00	7,298.33	120.63	33.25	66.84	1,229.96	2,609.10	6,765.06	6,665.44	99.62	67.911		
16,100.00	7,730.00	7,433.00	7,298.33	122.18	33.25	66.84	1,229.96	2,609.10	6,863.97	6,764.37	99.60	68.915		
16,200.00	7,730.00	7,433.00	7,298.33	123.73	33.25	66.84	1,229.96	2,609.10	6,962.92	6,863.34	99.59	69.919		
16,300.00	7,730.00	7,433.00	7,298.33	125.29	33.25	66.84	1,229.96	2,609.10	7,061.90	6,962.32	99.57	70.923		
16,400.00	7,730.00	7,433.00	7,298.33	126.86	33.25	66.84	1,229.96	2,609.10	7,160.90	7,061.34	99.56	71.926		
16,500.00	7,730.00	7,433.00	7,298.33	128.43	33.25	66.84	1,229.96	2,609.10	7,259.93	7,160.38	99.55	72.929		
16,600.00	7,730.00	7,433.00	7,298.33	130.01	33.25	66.84	1,229.96	2,609.10	7,358.99	7,259.45	99.54	73.932		
16,700.00	7,730.00	7,433.00	7,298.33	131.59	33.25	66.84	1,229.96	2,609.10	7,458.07	7,358.55	99.53	74.935		
16,800.00	7,730.00	7,433.00	7,298.33	133.18	33.25	66.84	1,229.96	2,609.10	7,557.18	7,457.66	99.52	75.937		
16,900.00	7,730.00	7,433.00	7,298.33	134.77	33.25	66.84	1,229.96	2,609.10	7,656.31	7,556.80	99.51	76.939		
17,000.00	7,730.00	7,433.00	7,298.33	136.37	33.25	66.84	1,229.96	2,609.10	7,755.46	7,655.96	99.51	77.940		
17,100.00	7,730.00	7,433.00	7,298.33	137.97	33.25	66.84	1,229.96	2,609.10	7,854.64	7,755.14	99.50	78.941		
17,200.00	7,730.00	7,433.00	7,298.33	139.57	33.25	66.84	1,229.96	2,609.10	7,953.83	7,854.33	99.50	79.941		
17,300.00	7,730.00	7,433.00	7,298.33	141.18	33.25	66.84	1,229.96	2,609.10	8,053.05	7,953.55	99.49	80.941		
17,400.00	7,730.00	7,433.00	7,298.33	142.79	33.25	66.84	1,229.96	2,609.10	8,152.28	8,052.79	99.49	81.940		
17,500.00	7,730.00	7,433.00	7,298.33	144.41	33.25	66.84	1,229.96	2,609.10	8,251.53	8,152.04	99.49	82.939		
17,600.00	7,730.00	7,433.00	7,298.33	146.03	33.25	66.84	1,229.96	2,609.10	8,350.80	8,251.31	99.49	83.937		
17,700.00	7,730.00	7,433.00	7,298.33	147.65	33.25	66.84	1,229.96	2,609.10	8,450.09	8,350.60	99.49	84.935		
17,800.00	7,730.00	7,433.00	7,298.33	149.28	33.25	66.84	1,229.96	2,609.10	8,549.39	8,449.90	99.49	85.932		
17,900.00	7,730.00	7,433.00	7,298.33	150.91	33.25	66.84	1,229.96	2,609.10	8,648.71	8,549.22	99.49	86.928		
18,000.00	7,730.00	7,433.00	7,298.33	152.54	33.25	66.84	1,229.96	2,609.10	8,748.05	8,648.55	99.50	87.924		
18,100.00	7,730.00	7,433.00	7,298.33	154.18	33.25	66.84	1,229.96	2,609.10	8,847.40	8,747.90	99.50	88.919		
18,200.00	7,730.00	7,433.00	7,298.33	155.82	33.25	66.84	1,229.96	2,609.10	8,946.76	8,847.26	99.50	89.913		
18,300.00	7,730.00	7,433.00	7,298.33	157.46	33.25	66.84	1,229.96	2,609.10	9,046.14	8,946.63	99.51	90.907		
18,400.00	7,730.00	7,433.00	7,298.33	159.11	33.25	66.84	1,229.96	2,609.10	9,145.54	9,046.02	99.52	91.900		
18,500.00	7,730.00	7,433.00	7,298.33	160.75	33.25	66.84	1,229.96	2,609.10	9,244.94	9,145.42	99.52	92.892		
18,600.00	7,730.00	7,433.00	7,298.33	162.40	33.25	66.84	1,229.96	2,609.10	9,344.36	9,244.83	99.53	93.883		
18,700.00	7,730.00	7,433.00	7,298.33	164.05	33.25	66.84	1,229.96	2,609.10	9,443.79	9,344.25	99.54	94.874		
18,800.00	7,730.00	7,433.00	7,298.33	165.71	33.25	66.84	1,229.96	2,609.10	9,543.23	9,443.68	99.55	95.864		
18,900.00	7,730.00	7,433.00	7,298.33	167.36	33.25	66.84	1,229.96	2,609.10	9,642.69	9,543.13	99.56	96.853		
18,942.39	7,730.00	7,433.00	7,298.33	168.07	33.25	66.84	1,229.96	2,609.10	9,684.85	9,585.28	99.57	97.272		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 3N-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	58.31	2,112.75	3,422.18	4,022.00					
100.00	100.00	51.30	51.30	0.13	0.09	58.31	2,112.75	3,422.22	4,021.87	4,021.64	0.23	N/A		
200.00	200.00	125.00	125.00	0.49	0.36	58.31	2,112.81	3,422.74	4,022.49	4,021.64	0.85	4,719.973		
300.00	300.00	194.87	194.86	0.85	0.61	58.32	2,113.10	3,423.66	4,023.82	4,022.36	1.46	2,753.149		
400.00	400.00	289.76	289.74	1.21	0.95	58.32	2,113.93	3,425.21	4,025.67	4,023.51	2.16	1,864.213		
500.00	500.00	444.30	444.26	1.57	1.50	58.32	2,114.63	3,426.98	4,026.93	4,023.86	3.07	1,312.501		
600.00	600.00	568.71	568.67	1.93	1.93	58.33	2,114.43	3,427.12	4,026.91	4,023.06	3.85	1,045.190		
700.00	700.00	680.45	680.41	2.29	2.30	58.32	2,114.67	3,426.68	4,026.70	4,022.11	4.59	877.441		
800.00	800.00	804.72	804.67	2.64	2.73	58.31	2,114.68	3,425.54	4,025.92	4,020.54	5.37	749.528		
900.00	899.98	883.66	883.61	3.00	3.00	-1.28	2,114.53	3,424.78	4,023.29	4,017.29	6.00	670.693		
1,000.00	999.84	979.26	979.20	3.35	3.33	-1.29	2,114.87	3,424.25	4,017.75	4,011.07	6.69	600.991		
1,100.00	1,099.45	1,114.11	1,114.04	3.71	3.81	-1.32	2,115.29	3,422.62	4,008.19	4,000.68	7.51	533.560		
1,200.00	1,198.70	1,839.63	1,835.55	4.08	6.43	-1.25	2,077.83	3,375.97	3,993.72	3,983.38	10.34	386.351		
1,300.00	1,297.47	1,965.26	1,958.73	4.47	6.94	-1.10	2,056.94	3,362.93	3,960.82	3,949.69	11.13	355.864		
1,400.00	1,395.62	2,069.59	2,060.77	4.87	7.37	-0.93	2,037.16	3,353.85	3,924.97	3,913.12	11.86	330.990		
1,500.00	1,493.06	2,163.75	2,152.48	5.31	7.78	-0.74	2,017.36	3,345.93	3,885.06	3,872.50	12.56	309.356		
1,600.00	1,589.64	2,243.86	2,230.62	5.77	8.13	-0.58	2,000.97	3,339.43	3,842.52	3,829.30	13.22	290.753		
1,700.00	1,685.27	2,329.12	2,313.74	6.28	8.51	-0.40	1,983.20	3,332.59	3,796.79	3,782.90	13.89	273.259		
1,800.00	1,779.82	2,387.00	2,370.25	6.83	8.77	-0.27	1,971.59	3,327.94	3,748.41	3,733.93	14.48	258.846		
1,900.00	1,873.17	2,449.11	2,431.02	7.43	9.05	-0.14	1,959.70	3,323.10	3,697.62	3,682.54	15.09	245.116		
2,000.00	1,965.21	2,503.52	2,484.36	8.08	9.29	-0.02	1,949.73	3,319.12	3,644.58	3,628.92	15.66	232.670		
2,100.00	2,055.84	2,573.00	2,552.61	8.79	9.60	0.13	1,937.63	3,314.41	3,589.36	3,573.07	16.29	220.275		
2,200.00	2,144.94	2,609.15	2,588.19	9.56	9.76	0.22	1,931.64	3,312.11	3,531.84	3,515.03	16.82	210.038		
2,300.00	2,232.39	2,659.79	2,638.10	10.39	9.98	0.34	1,923.65	3,309.07	3,472.24	3,454.85	17.39	199.724		
2,400.00	2,318.11	2,709.80	2,687.48	11.30	10.19	0.46	1,916.22	3,306.26	3,410.54	3,392.58	17.95	189.954		
2,504.60	2,405.78	2,763.86	2,740.94	12.31	10.43	0.59	1,908.72	3,303.45	3,343.79	3,325.23	18.56	180.197		
2,600.00	2,484.79	2,901.34	2,876.96	13.28	11.01	0.87	1,890.83	3,294.62	3,281.18	3,261.82	19.36	169.464		
2,700.00	2,567.60	3,000.72	2,975.11	14.32	11.45	1.08	1,877.37	3,286.70	3,214.30	3,194.23	20.07	160.180		
2,800.00	2,650.41	3,066.78	3,040.25	15.37	11.74	1.24	1,867.51	3,281.84	3,147.35	3,126.66	20.69	152.148		
2,900.00	2,733.23	3,123.23	3,095.93	16.44	11.99	1.40	1,859.09	3,278.01	3,080.79	3,059.50	21.29	144.712		
3,000.00	2,816.04	3,170.59	3,142.71	17.52	12.19	1.52	1,852.31	3,275.02	3,014.78	2,992.91	21.88	137.810		
3,100.00	2,898.85	3,226.00	3,197.55	18.60	12.43	1.67	1,845.10	3,271.76	2,949.52	2,927.03	22.49	131.134		
3,200.00	2,981.67	3,433.18	3,402.06	19.69	13.34	2.19	1,817.21	3,254.17	2,882.00	2,858.57	23.44	122.966		
3,300.00	3,064.48	3,489.30	3,457.37	20.79	13.59	2.33	1,809.66	3,248.34	2,813.73	2,789.68	24.05	116.974		
3,400.00	3,147.30	3,593.95	3,560.47	21.90	14.07	2.60	1,795.53	3,237.42	2,745.49	2,720.74	24.76	110.889		
3,500.00	3,230.11	3,669.90	3,635.19	23.00	14.41	2.82	1,784.86	3,228.93	2,676.53	2,651.12	25.42	105.307		
3,600.00	3,312.92	3,774.29	3,737.75	24.12	14.90	3.15	1,769.44	3,217.14	2,607.31	2,581.20	26.11	99.845		
3,700.00	3,395.74	3,848.82	3,810.76	25.23	15.25	3.45	1,757.01	3,208.69	2,537.37	2,510.59	26.78	94.751		
3,800.00	3,478.55	3,906.10	3,866.83	26.35	15.53	3.70	1,747.05	3,202.54	2,467.63	2,440.19	27.44	89.944		
3,900.00	3,561.36	3,951.92	3,911.75	27.47	15.74	3.91	1,739.27	3,198.01	2,398.57	2,370.48	28.09	85.381		
4,000.00	3,644.18	4,010.61	3,969.40	28.59	16.02	4.20	1,729.57	3,192.71	2,330.26	2,301.48	28.77	80.987		
4,100.00	3,726.99	4,087.25	4,044.57	29.72	16.38	4.61	1,716.16	3,186.20	2,262.02	2,232.54	29.48	76.740		
4,200.00	3,809.81	4,125.03	4,081.67	30.85	16.56	4.84	1,709.55	3,183.39	2,194.44	2,164.27	30.17	72.729		
4,300.00	3,892.62	4,169.74	4,125.63	31.98	16.77	5.11	1,701.97	3,180.54	2,127.90	2,097.01	30.89	68.889		
4,400.00	3,975.43	4,295.60	4,249.53	33.11	17.35	5.87	1,681.86	3,171.40	2,061.32	2,029.70	31.62	65.191		
4,500.00	4,058.25	4,427.10	4,378.38	34.24	17.98	6.74	1,659.58	3,157.51	1,991.95	1,959.64	32.31	61.648		
4,600.00	4,141.06	4,493.49	4,443.24	35.37	18.30	7.24	1,647.53	3,150.08	1,922.13	1,889.08	33.05	58.164		
4,700.00	4,223.87	4,555.84	4,504.26	36.50	18.61	7.72	1,636.64	3,143.30	1,852.81	1,819.01	33.80	54.815		
4,800.00	4,306.69	4,652.90	4,599.00	37.64	19.09	8.60	1,618.44	3,132.69	1,783.17	1,748.64	34.53	51.645		
4,900.00	4,389.50	4,699.81	4,644.79	38.77	19.33	9.06	1,609.60	3,127.70	1,713.73	1,678.38	35.35	48.476		
5,000.00	4,472.32	4,762.06	4,705.73	39.91	19.63	9.68	1,598.55	3,121.31	1,645.07	1,608.90	36.17	45.479		
5,100.00	4,555.13	4,840.86	4,782.95	41.05	20.02	10.49	1,585.48	3,112.68	1,576.47	1,539.50	36.97	42.643		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,922.13	4,862.41	42.18	20.42	11.44	1,570.96	3,103.70	1,507.59	1,469.80	37.79	39.895		
5,300.00	4,720.76	4,989.61	4,928.21	43.32	20.76	12.37	1,557.87	3,096.51	1,438.73	1,400.03	38.70	37.175		
5,400.00	4,803.57	5,053.62	4,990.64	44.46	21.08	13.34	1,545.35	3,089.91	1,370.32	1,330.65	39.67	34.539		
5,500.00	4,886.39	5,115.82	5,051.34	45.60	21.39	14.36	1,533.21	3,083.87	1,302.63	1,261.91	40.72	31.994		
5,600.00	4,969.20	5,179.24	5,113.31	46.74	21.71	15.49	1,521.06	3,078.05	1,235.72	1,193.90	41.82	29.549		
5,700.00	5,052.01	5,241.87	5,174.61	47.88	22.02	16.70	1,509.38	3,072.60	1,169.66	1,126.66	43.01	27.198		
5,800.00	5,134.83	5,304.16	5,235.63	49.02	22.32	18.01	1,497.90	3,067.68	1,104.68	1,060.39	44.29	24.942		
5,900.00	5,217.64	5,367.48	5,297.71	50.16	22.63	19.47	1,486.22	3,063.25	1,040.88	995.18	45.69	22.779		
6,000.00	5,300.45	5,442.83	5,371.58	51.30	22.99	21.43	1,472.19	3,058.43	978.16	930.95	47.21	20.721		
6,100.00	5,383.27	5,516.58	5,443.83	52.45	23.35	23.57	1,458.36	3,053.21	915.75	866.85	48.90	18.726		
6,200.00	5,466.08	5,579.54	5,505.59	53.59	23.65	25.60	1,446.80	3,049.20	854.92	804.07	50.85	16.813		
6,300.00	5,548.90	5,653.55	5,578.28	54.73	24.00	28.23	1,433.62	3,044.82	795.72	742.72	53.00	15.013		
6,400.00	5,631.71	5,728.42	5,651.90	55.87	24.35	31.19	1,420.77	3,040.20	737.87	682.43	55.45	13.308		
6,500.00	5,714.52	5,811.93	5,734.05	57.02	24.75	34.93	1,406.85	3,034.60	681.51	623.28	58.23	11.703		
6,600.00	5,797.34	5,898.53	5,818.99	58.16	25.16	39.48	1,391.90	3,026.76	625.63	564.14	61.49	10.174		
6,700.00	5,880.15	5,972.65	5,891.53	59.30	25.53	44.01	1,378.71	3,019.10	571.89	506.52	65.37	8.749		
6,800.00	5,962.96	6,038.22	5,955.79	60.45	25.84	48.50	1,367.42	3,012.66	522.42	452.63	69.78	7.486		
6,900.00	6,045.78	6,105.98	6,022.41	61.59	26.16	53.59	1,356.51	3,006.87	478.72	404.09	74.63	6.414		
7,000.00	6,128.59	6,179.44	6,094.84	62.73	26.51	59.59	1,345.47	3,001.41	441.84	362.10	79.74	5.541		
7,100.00	6,211.41	6,256.57	6,170.85	63.88	26.87	66.52	1,334.08	2,995.05	412.17	327.33	84.84	4.858		
7,200.00	6,294.22	6,325.92	6,239.13	65.02	27.19	73.24	1,323.44	2,989.25	392.32	303.09	89.23	4.397		
7,300.00	6,377.03	6,399.17	6,311.30	66.17	27.53	80.58	1,312.17	2,983.75	384.16	291.86	92.30	4.162		
7,320.74	6,394.21	6,414.85	6,326.78	66.41	27.60	82.14	1,309.89	2,982.71	383.92	291.19	92.73	4.140 CC, ES		
7,400.00	6,459.85	6,475.30	6,386.55	67.31	27.86	88.07	1,301.54	2,979.16	387.42	293.73	93.68	4.135 SF		
7,500.00	6,542.66	6,554.15	6,464.67	68.46	28.20	95.48	1,291.51	2,975.53	401.17	307.64	93.52	4.290		
7,600.00	6,625.48	6,636.55	6,546.50	69.60	28.53	102.61	1,282.32	2,972.81	423.46	331.14	92.32	4.587		
7,700.00	6,708.29	6,719.16	6,628.70	70.75	28.86	109.04	1,274.17	2,971.27	452.61	362.06	90.55	4.998		
7,800.00	6,791.10	6,806.05	6,715.27	71.89	29.18	115.02	1,266.76	2,970.54	486.77	398.09	88.68	5.489		
7,900.00	6,873.92	6,901.96	6,810.98	73.04	29.52	120.92	1,260.83	2,969.28	523.86	436.93	86.92	6.027		
8,000.00	6,956.73	6,997.90	6,906.85	74.18	29.84	126.16	1,257.74	2,967.64	562.54	477.34	85.21	6.602		
8,100.00	7,039.54	7,083.47	6,992.40	75.33	30.11	130.27	1,256.40	2,966.70	603.02	519.46	83.56	7.217		
8,165.32	7,093.63	7,143.04	7,051.97	76.08	30.29	132.88	1,255.91	2,966.05	630.50	547.87	82.63	7.630		
8,200.00	7,122.60	7,175.65	7,084.58	76.47	30.38	128.96	1,255.92	2,965.73	644.35	562.19	82.16	7.843		
8,250.00	7,165.05	7,497.06	7,394.62	77.01	30.87	134.98	1,328.36	2,964.23	652.35	575.65	76.70	8.505		
8,300.00	7,208.03	7,826.64	7,645.10	77.52	30.74	147.92	1,536.98	2,963.27	641.94	582.40	59.54	10.782		
8,350.00	7,251.22	7,930.33	7,700.75	77.99	30.65	150.24	1,624.36	2,965.35	620.51	564.97	55.54	11.172		
8,400.00	7,294.28	8,105.54	7,759.48	78.41	30.52	162.52	1,788.53	2,971.35	595.51	541.77	53.73	11.082		
8,450.00	7,336.90	8,109.13	7,760.18	78.78	30.52	157.63	1,792.05	2,971.52	572.73	515.85	56.87	10.070		
8,500.00	7,378.73	8,500.00	7,752.45	79.10	30.36	148.87	1,758.18	2,970.07	553.29	493.45	59.84	9.247		
8,550.00	7,419.47	8,089.13	7,756.11	79.37	30.53	146.05	1,772.50	2,970.62	537.62	474.37	63.25	8.501		
8,600.00	7,458.81	8,600.00	7,739.72	79.59	30.27	135.42	1,713.86	2,968.48	525.70	460.62	65.08	8.078		
8,650.00	7,496.44	8,023.08	7,738.47	79.76	30.58	131.36	1,708.92	2,968.33	517.41	449.65	67.76	7.636		
8,700.00	7,532.08	7,992.04	7,727.47	79.88	30.60	124.84	1,679.91	2,967.46	512.59	442.98	69.61	7.363		
8,744.81	7,562.11	7,973.22	7,719.96	79.95	30.61	120.22	1,662.66	2,966.91	511.20	439.81	71.39	7.160		
8,750.00	7,565.46	7,971.00	7,719.04	79.95	30.62	119.69	1,660.65	2,966.83	511.22	439.63	71.59	7.141		
8,800.00	7,596.33	7,951.05	7,710.38	79.98	30.63	114.89	1,642.68	2,966.14	513.18	439.76	73.42	6.990		
8,850.00	7,624.44	7,919.62	7,695.56	79.97	30.66	109.12	1,615.00	2,965.01	518.04	443.65	74.39	6.964		
8,900.00	7,649.59	7,888.79	7,679.83	79.93	30.69	103.67	1,588.50	2,964.24	525.09	449.92	75.17	6.985		
8,950.00	7,671.59	7,859.86	7,664.14	79.84	30.71	98.69	1,564.20	2,963.73	533.96	458.00	75.96	7.030		
9,000.00	7,690.26	7,833.11	7,648.90	79.73	30.74	94.21	1,542.22	2,963.36	544.20	467.32	76.88	7.079		
9,050.00	7,705.47	7,807.09	7,633.41	79.59	30.76	90.10	1,521.31	2,962.95	555.51	477.62	77.89	7.132		
9,100.00	7,717.09	7,778.61	7,615.71	79.43	30.79	86.12	1,499.02	2,962.47	567.43	488.66	78.78	7.203		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 3N-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,725.04	7,747.24	7,595.25	79.26	30.82	82.29	1,475.24	2,962.03	579.48	499.97	79.51	7.288		
9,200.00	7,729.27	7,709.10	7,568.75	79.06	30.85	78.34	1,447.83	2,962.22	590.97	511.17	79.80	7.406		
9,231.13	7,730.00	7,693.35	7,557.26	78.93	30.86	76.65	1,437.05	2,962.53	597.80	517.10	80.70	7.408		
9,300.00	7,730.00	7,661.00	7,532.72	78.65	30.87	74.31	1,415.99	2,963.12	615.26	532.39	82.87	7.425		
9,400.00	7,730.00	7,614.00	7,495.26	78.26	30.89	70.84	1,387.64	2,963.96	649.18	563.58	85.60	7.584		
9,500.00	7,730.00	7,582.07	7,468.79	77.89	30.89	68.46	1,369.78	2,964.46	692.56	603.79	88.77	7.802		
9,600.00	7,730.00	7,553.56	7,444.50	77.53	30.89	66.35	1,354.87	2,964.75	744.56	653.17	91.39	8.147		
9,700.00	7,730.00	7,530.21	7,424.15	77.19	30.89	64.65	1,343.43	2,964.68	804.07	710.49	93.57	8.593		
9,800.00	7,730.00	7,506.94	7,403.49	76.88	30.88	62.97	1,332.72	2,964.37	869.79	774.63	95.16	9.141		
9,900.00	7,730.00	7,483.59	7,382.45	76.58	30.87	61.32	1,322.60	2,964.04	940.42	844.15	96.28	9.768		
10,000.00	7,730.00	7,461.86	7,362.62	76.30	30.86	59.81	1,313.73	2,963.76	1,015.08	917.97	97.11	10.452		
10,100.00	7,730.00	7,441.37	7,343.72	76.04	30.85	58.40	1,305.82	2,963.59	1,093.02	995.28	97.73	11.184		
10,200.00	7,730.00	7,425.00	7,328.49	75.79	30.84	57.30	1,299.82	2,963.52	1,173.68	1,075.41	98.27	11.943		
10,300.00	7,730.00	7,409.54	7,313.98	75.57	30.82	56.27	1,294.45	2,963.52	1,256.68	1,158.01	98.67	12.737		
10,400.00	7,730.00	7,397.17	7,302.30	75.36	30.81	55.46	1,290.41	2,963.54	1,341.67	1,242.66	99.01	13.551		
10,500.00	7,730.00	7,378.00	7,284.04	75.18	30.79	54.22	1,284.56	2,963.63	1,428.41	1,329.30	99.11	14.412		
10,600.00	7,730.00	7,378.00	7,284.04	75.01	30.79	54.22	1,284.56	2,963.63	1,516.45	1,416.96	99.50	15.241		
10,700.00	7,730.00	7,378.00	7,284.04	74.86	30.79	54.22	1,284.56	2,963.63	1,605.89	1,506.12	99.78	16.095		
10,800.00	7,730.00	7,357.47	7,264.33	74.74	30.76	52.92	1,278.85	2,963.77	1,696.13	1,596.43	99.70	17.013		
10,900.00	7,730.00	7,349.37	7,256.50	74.64	30.75	52.42	1,276.75	2,963.82	1,787.39	1,687.62	99.77	17.915		
11,000.00	7,730.00	7,331.00	7,238.68	74.56	30.73	51.30	1,272.29	2,963.95	1,879.55	1,779.86	99.69	18.854		
11,100.00	7,730.00	7,331.00	7,238.68	74.51	30.73	51.30	1,272.29	2,963.95	1,972.19	1,872.38	99.80	19.760		
11,200.00	7,730.00	7,331.00	7,238.68	74.48	30.73	51.30	1,272.29	2,963.95	2,065.51	1,965.62	99.89	20.679		
11,300.00	7,730.00	7,331.00	7,238.68	74.48	30.73	51.30	1,272.29	2,963.95	2,159.43	2,059.49	99.94	21.607		
11,400.00	7,730.00	7,331.00	7,238.68	74.50	30.73	51.30	1,272.29	2,963.95	2,253.88	2,153.90	99.98	22.544		
11,500.00	7,730.00	7,331.00	7,238.68	74.56	30.73	51.30	1,272.29	2,963.95	2,348.79	2,248.79	100.00	23.489		
11,600.00	7,730.00	7,311.12	7,219.26	74.66	30.70	50.11	1,268.05	2,964.13	2,443.69	2,343.83	99.86	24.472		
11,700.00	7,730.00	7,307.40	7,215.61	74.79	30.69	49.89	1,267.33	2,964.17	2,539.19	2,439.36	99.84	25.433		
11,800.00	7,730.00	7,303.91	7,212.18	74.96	30.68	49.68	1,266.68	2,964.21	2,635.01	2,535.19	99.82	26.399		
11,900.00	7,730.00	7,284.00	7,192.55	75.17	30.65	48.53	1,263.36	2,964.46	2,731.39	2,631.70	99.69	27.399		
12,000.00	7,730.00	7,284.00	7,192.55	75.43	30.65	48.53	1,263.36	2,964.46	2,827.63	2,727.95	99.68	28.366		
12,100.00	7,730.00	7,284.00	7,192.55	75.73	30.65	48.53	1,263.36	2,964.46	2,924.13	2,824.46	99.68	29.337		
12,200.00	7,730.00	7,284.00	7,192.55	76.09	30.65	48.53	1,263.36	2,964.46	3,020.86	2,921.20	99.66	30.311		
12,300.00	7,730.00	7,284.00	7,192.55	76.51	30.65	48.53	1,263.36	2,964.46	3,117.79	3,018.14	99.64	31.289		
12,400.00	7,730.00	7,284.00	7,192.55	76.97	30.65	48.53	1,263.36	2,964.46	3,214.91	3,115.28	99.63	32.270		
12,500.00	7,730.00	7,284.00	7,192.55	77.50	30.65	48.53	1,263.36	2,964.46	3,312.20	3,212.60	99.60	33.254		
12,600.00	7,730.00	7,284.00	7,192.55	78.09	30.65	48.53	1,263.36	2,964.46	3,409.65	3,310.07	99.58	34.240		
12,700.00	7,730.00	7,284.00	7,192.55	78.74	30.65	48.53	1,263.36	2,964.46	3,507.24	3,407.69	99.56	35.228		
12,800.00	7,730.00	7,284.00	7,192.55	79.45	30.65	48.53	1,263.36	2,964.46	3,604.97	3,505.43	99.53	36.219		
12,900.00	7,730.00	7,284.00	7,192.55	80.22	30.65	48.53	1,263.36	2,964.46	3,702.81	3,603.30	99.51	37.211		
13,000.00	7,730.00	7,284.00	7,192.55	81.05	30.65	48.53	1,263.36	2,964.46	3,800.77	3,701.29	99.48	38.205		
13,100.00	7,730.00	7,284.00	7,192.55	81.94	30.65	48.53	1,263.36	2,964.46	3,898.83	3,799.37	99.46	39.200		
13,200.00	7,730.00	7,284.00	7,192.55	82.87	30.65	48.53	1,263.36	2,964.46	3,996.99	3,897.55	99.44	40.197		
13,300.00	7,730.00	7,284.00	7,192.55	83.86	30.65	48.53	1,263.36	2,964.46	4,095.24	3,995.83	99.41	41.194		
13,400.00	7,730.00	7,284.00	7,192.55	84.90	30.65	48.53	1,263.36	2,964.46	4,193.57	4,094.18	99.39	42.193		
13,500.00	7,730.00	7,284.00	7,192.55	85.97	30.65	48.53	1,263.36	2,964.46	4,291.97	4,192.61	99.37	43.193		
13,600.00	7,730.00	7,284.00	7,192.55	87.09	30.65	48.53	1,263.36	2,964.46	4,390.45	4,291.11	99.34	44.194		
13,700.00	7,730.00	7,284.00	7,192.55	88.25	30.65	48.53	1,263.36	2,964.46	4,489.00	4,389.68	99.32	45.196		
13,800.00	7,730.00	7,284.00	7,192.55	89.44	30.65	48.53	1,263.36	2,964.46	4,587.61	4,488.31	99.30	46.198		
13,900.00	7,730.00	7,284.00	7,192.55	90.66	30.65	48.53	1,263.36	2,964.46	4,686.28	4,586.99	99.28	47.201		
14,000.00	7,730.00	7,284.00	7,192.55	91.92	30.65	48.53	1,263.36	2,964.46	4,785.00	4,685.73	99.27	48.204		
14,100.00	7,730.00	7,284.00	7,192.55	93.20	30.65	48.53	1,263.36	2,964.46	4,883.78	4,784.53	99.25	49.208		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,284.00	7,192.55	94.50	30.65	48.53	1,263.36	2,964.46	4,982.60	4,883.37	99.23	50.212		
14,300.00	7,730.00	7,284.00	7,192.55	95.83	30.65	48.53	1,263.36	2,964.46	5,081.47	4,982.25	99.21	51.217		
14,400.00	7,730.00	7,284.00	7,192.55	97.17	30.65	48.53	1,263.36	2,964.46	5,180.38	5,081.18	99.20	52.222		
14,500.00	7,730.00	7,284.00	7,192.55	98.54	30.65	48.53	1,263.36	2,964.46	5,279.34	5,180.15	99.19	53.227		
14,600.00	7,730.00	7,284.00	7,192.55	99.92	30.65	48.53	1,263.36	2,964.46	5,378.33	5,279.16	99.17	54.232		
14,700.00	7,730.00	7,284.00	7,192.55	101.32	30.65	48.53	1,263.36	2,964.46	5,477.36	5,378.20	99.16	55.238		
14,800.00	7,730.00	7,284.00	7,192.55	102.74	30.65	48.53	1,263.36	2,964.46	5,576.42	5,477.28	99.15	56.243		
14,900.00	7,730.00	7,284.00	7,192.55	104.17	30.65	48.53	1,263.36	2,964.46	5,675.52	5,576.38	99.14	57.249		
15,000.00	7,730.00	7,284.00	7,192.55	105.62	30.65	48.53	1,263.36	2,964.46	5,774.65	5,675.52	99.13	58.254		
15,100.00	7,730.00	7,284.00	7,192.55	107.07	30.65	48.53	1,263.36	2,964.46	5,873.81	5,774.69	99.12	59.260		
15,200.00	7,730.00	7,284.00	7,192.55	108.54	30.65	48.53	1,263.36	2,964.46	5,972.99	5,873.88	99.11	60.265		
15,300.00	7,730.00	7,284.00	7,192.55	110.02	30.65	48.53	1,263.36	2,964.46	6,072.21	5,973.10	99.10	61.270		
15,400.00	7,730.00	7,284.00	7,192.55	111.51	30.65	48.53	1,263.36	2,964.46	6,171.44	6,072.35	99.10	62.276		
15,500.00	7,730.00	7,241.67	7,150.53	113.01	30.55	46.20	1,258.39	2,965.03	6,269.21	6,170.19	99.02	63.313		
15,600.00	7,730.00	7,240.87	7,149.72	114.52	30.55	46.16	1,258.32	2,965.04	6,368.44	6,269.42	99.01	64.318		
15,700.00	7,730.00	7,240.08	7,148.95	116.04	30.54	46.11	1,258.25	2,965.05	6,467.69	6,368.68	99.01	65.323		
15,800.00	7,730.00	7,239.32	7,148.19	117.56	30.54	46.07	1,258.19	2,965.06	6,566.96	6,467.96	99.01	66.328		
15,900.00	7,730.00	7,238.59	7,147.45	119.09	30.54	46.03	1,258.13	2,965.06	6,666.26	6,567.25	99.01	67.332		
16,000.00	7,730.00	7,237.87	7,146.74	120.63	30.54	46.00	1,258.07	2,965.07	6,765.57	6,666.57	99.00	68.336		
16,100.00	7,730.00	7,237.17	7,146.04	122.18	30.54	45.96	1,258.02	2,965.08	6,864.91	6,765.90	99.00	69.339		
16,200.00	7,730.00	7,236.48	7,145.36	123.73	30.54	45.92	1,257.97	2,965.09	6,964.26	6,865.26	99.00	70.343		
16,300.00	7,730.00	7,235.82	7,144.70	125.29	30.53	45.89	1,257.91	2,965.10	7,063.63	6,964.62	99.01	71.345		
16,400.00	7,730.00	7,235.17	7,144.05	126.86	30.53	45.85	1,257.86	2,965.10	7,163.02	7,064.01	99.01	72.348		
16,500.00	7,730.00	7,234.54	7,143.42	128.43	30.53	45.82	1,257.82	2,965.11	7,262.42	7,163.41	99.01	73.350		
16,600.00	7,730.00	7,233.93	7,142.81	130.01	30.53	45.79	1,257.77	2,965.12	7,361.84	7,262.82	99.01	74.351		
16,700.00	7,730.00	7,233.33	7,142.21	131.59	30.53	45.76	1,257.73	2,965.13	7,461.27	7,362.25	99.02	75.352		
16,800.00	7,730.00	7,232.74	7,141.63	133.18	30.53	45.73	1,257.68	2,965.13	7,560.72	7,461.70	99.02	76.352		
16,900.00	7,730.00	7,232.17	7,141.06	134.77	30.53	45.70	1,257.64	2,965.14	7,660.18	7,561.15	99.03	77.352		
17,000.00	7,730.00	7,189.00	7,097.93	136.37	30.42	43.51	1,255.98	2,965.60	7,761.15	7,662.17	98.98	78.414		
17,100.00	7,730.00	7,189.00	7,097.93	137.97	30.42	43.51	1,255.98	2,965.60	7,860.60	7,761.61	98.98	79.412		
17,200.00	7,730.00	7,189.00	7,097.93	139.57	30.42	43.51	1,255.98	2,965.60	7,960.06	7,861.07	98.99	80.410		
17,300.00	7,730.00	7,189.00	7,097.93	141.18	30.42	43.51	1,255.98	2,965.60	8,059.54	7,960.53	99.00	81.406		
17,400.00	7,730.00	7,189.00	7,097.93	142.79	30.42	43.51	1,255.98	2,965.60	8,159.03	8,060.01	99.01	82.402		
17,500.00	7,730.00	7,189.00	7,097.93	144.41	30.42	43.51	1,255.98	2,965.60	8,258.53	8,159.50	99.03	83.398		
17,600.00	7,730.00	7,189.00	7,097.93	146.03	30.42	43.51	1,255.98	2,965.60	8,358.04	8,259.00	99.04	84.393		
17,700.00	7,730.00	7,189.00	7,097.93	147.65	30.42	43.51	1,255.98	2,965.60	8,457.56	8,358.51	99.05	85.387		
17,800.00	7,730.00	7,189.00	7,097.93	149.28	30.42	43.51	1,255.98	2,965.60	8,557.10	8,458.04	99.06	86.381		
17,900.00	7,730.00	7,189.00	7,097.93	150.91	30.42	43.51	1,255.98	2,965.60	8,656.64	8,557.57	99.08	87.374		
18,000.00	7,730.00	7,189.00	7,097.93	152.54	30.42	43.51	1,255.98	2,965.60	8,756.20	8,657.11	99.09	88.366		
18,100.00	7,730.00	7,189.00	7,097.93	154.18	30.42	43.51	1,255.98	2,965.60	8,855.77	8,756.66	99.10	89.358		
18,200.00	7,730.00	7,189.00	7,097.93	155.82	30.42	43.51	1,255.98	2,965.60	8,955.34	8,856.22	99.12	90.349		
18,300.00	7,730.00	7,189.00	7,097.93	157.46	30.42	43.51	1,255.98	2,965.60	9,054.93	8,955.79	99.14	91.339		
18,400.00	7,730.00	7,189.00	7,097.93	159.11	30.42	43.51	1,255.98	2,965.60	9,154.52	9,055.37	99.15	92.328		
18,500.00	7,730.00	7,189.00	7,097.93	160.75	30.42	43.51	1,255.98	2,965.60	9,254.13	9,154.96	99.17	93.317		
18,600.00	7,730.00	7,189.00	7,097.93	162.40	30.42	43.51	1,255.98	2,965.60	9,353.74	9,254.55	99.19	94.305		
18,700.00	7,730.00	7,189.00	7,097.93	164.05	30.42	43.51	1,255.98	2,965.60	9,453.36	9,354.15	99.20	95.292		
18,800.00	7,730.00	7,189.00	7,097.93	165.71	30.42	43.51	1,255.98	2,965.60	9,552.99	9,453.76	99.22	96.278		
18,900.00	7,730.00	7,189.00	7,097.93	167.36	30.42	43.51	1,255.98	2,965.60	9,652.62	9,553.38	99.24	97.263		
18,942.39	7,730.00	7,189.00	7,097.93	168.07	30.42	43.51	1,255.98	2,965.60	9,694.86	9,595.61	99.25	97.681		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-0-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	175.22	-4,018.46	336.34	4,032.54					
100.00	100.00	53.24	53.24	0.13	0.09	175.21	-4,018.65	336.58	4,032.85	4,032.63	0.22	N/A		
200.00	200.00	120.00	119.99	0.49	0.20	175.20	-4,019.43	337.58	4,034.10	4,033.42	0.69	5,872.463		
300.00	300.00	294.66	294.61	0.85	0.82	175.16	-4,020.78	340.44	4,035.18	4,033.51	1.67	2,417.551		
400.00	400.00	410.43	410.38	1.21	1.23	175.15	-4,020.10	341.45	4,034.66	4,032.22	2.44	1,655.764		
500.00	500.00	512.52	512.44	1.57	1.59	175.11	-4,019.31	343.73	4,034.08	4,030.92	3.16	1,276.396		
600.00	600.00	796.86	795.29	1.93	2.66	174.74	-4,009.15	369.08	4,031.60	4,027.01	4.59	878.911		
700.00	700.00	985.34	980.77	2.29	3.45	174.29	-3,994.47	399.08	4,025.24	4,019.51	5.73	702.559		
800.00	800.00	1,082.04	1,075.32	2.64	3.89	174.02	-3,985.47	417.23	4,017.75	4,011.23	6.52	616.358		
900.00	899.98	1,161.26	1,152.67	3.00	4.26	114.34	-3,978.42	432.86	4,011.56	4,004.32	7.24	554.154		
1,000.00	999.84	1,301.44	1,289.85	3.35	4.92	114.14	-3,965.55	458.56	4,006.42	3,998.18	8.24	486.339		
1,100.00	1,099.45	1,371.49	1,358.50	3.71	5.25	114.10	-3,959.12	470.99	4,002.74	3,993.82	8.92	448.605		
1,200.00	1,198.70	1,506.72	1,490.62	4.08	5.91	113.96	-3,946.46	496.84	4,000.49	3,990.55	9.94	402.629		
1,300.00	1,297.47	1,635.27	1,615.73	4.47	6.56	113.86	-3,933.05	523.13	3,998.69	3,987.74	10.95	365.064		
1,400.00	1,395.62	1,757.62	1,734.60	4.87	7.20	113.79	-3,919.55	548.79	3,997.80	3,985.83	11.97	333.983		
1,425.49	1,420.53	1,778.38	1,754.81	4.98	7.30	113.79	-3,917.24	552.93	3,997.75	3,985.57	12.18	328.208		
1,500.00	1,493.06	1,846.47	1,821.18	5.31	7.65	113.78	-3,909.78	566.16	3,998.20	3,985.37	12.84	311.492		
1,600.00	1,589.64	1,924.71	1,897.47	5.77	8.04	113.78	-3,901.47	581.43	4,000.40	3,986.72	13.68	292.431		
1,700.00	1,685.27	2,023.46	1,993.74	6.28	8.55	113.80	-3,891.28	600.93	4,004.32	3,989.66	14.66	273.179		
1,800.00	1,779.82	2,127.36	2,094.90	6.83	9.08	113.83	-3,880.42	621.95	4,009.58	3,993.87	15.71	255.285		
1,900.00	1,873.17	2,229.69	2,194.21	7.43	9.63	113.86	-3,869.48	644.12	4,016.18	3,999.38	16.80	238.988		
2,000.00	1,965.21	2,343.84	2,304.93	8.08	10.24	113.94	-3,857.08	668.94	4,024.08	4,006.06	18.01	223.419		
2,100.00	2,055.84	2,467.11	2,424.56	8.79	10.90	114.08	-3,842.91	695.11	4,032.73	4,013.43	19.31	208.874		
2,200.00	2,144.94	2,546.58	2,501.70	9.56	11.33	114.13	-3,833.70	711.86	4,042.84	4,022.41	20.43	197.865		
2,300.00	2,232.39	2,721.35	2,671.01	10.39	12.27	114.49	-3,812.91	749.80	4,054.49	4,032.39	22.10	183.475		
2,400.00	2,318.11	2,787.00	2,734.74	11.30	12.63	114.52	-3,804.34	763.05	4,066.31	4,043.06	23.25	174.897		
2,504.60	2,405.78	2,843.04	2,789.18	12.31	12.92	114.49	-3,797.52	774.42	4,081.35	4,056.90	24.44	166.963		
2,600.00	2,484.79	2,889.90	2,834.74	13.28	13.17	114.69	-3,792.51	784.18	4,097.17	4,071.63	25.54	160.408		
2,700.00	2,567.60	3,021.92	2,962.90	14.32	13.88	115.27	-3,777.96	812.33	4,113.69	4,086.55	27.14	151.577		
2,800.00	2,650.41	3,092.53	3,031.31	15.37	14.27	115.57	-3,770.06	827.89	4,130.41	4,101.98	28.43	145.285		
2,900.00	2,733.23	3,141.73	3,079.02	16.44	14.54	115.77	-3,765.03	838.85	4,148.22	4,118.61	29.61	140.091		
3,000.00	2,816.04	3,298.91	3,231.20	17.52	15.41	116.41	-3,748.74	874.60	4,166.17	4,134.79	31.39	132.739		
3,100.00	2,898.85	3,388.32	3,317.74	18.60	15.90	116.78	-3,738.77	894.77	4,183.52	4,150.72	32.80	127.565		
3,200.00	2,981.67	3,486.70	3,412.99	19.69	16.45	117.18	-3,727.88	916.84	4,201.14	4,166.89	34.25	122.662		
3,300.00	3,064.48	3,579.54	3,502.91	20.79	16.96	117.55	-3,717.38	937.38	4,218.72	4,183.05	35.67	118.271		
3,400.00	3,147.30	3,652.27	3,573.46	21.90	17.36	117.85	-3,709.47	953.24	4,236.91	4,199.93	36.98	114.585		
3,500.00	3,230.11	3,733.00	3,651.83	23.00	17.79	118.18	-3,700.93	970.63	4,255.59	4,217.28	38.32	111.059		
3,600.00	3,312.92	3,802.39	3,719.28	24.12	18.16	118.46	-3,693.89	985.27	4,274.90	4,235.31	39.59	107.983		
3,700.00	3,395.74	3,869.89	3,785.07	25.23	18.51	118.75	-3,687.49	998.99	4,295.02	4,254.18	40.83	105.182		
3,800.00	3,478.55	3,938.01	3,851.67	26.35	18.86	119.04	-3,681.39	1,011.93	4,315.88	4,273.82	42.07	102.598		
3,900.00	3,561.36	4,003.95	3,916.37	27.47	19.18	119.34	-3,675.85	1,023.38	4,337.53	4,294.26	43.26	100.261		
4,000.00	3,644.18	4,055.00	3,966.62	28.59	19.41	119.58	-3,671.90	1,031.46	4,360.10	4,315.74	44.36	98.287		
4,100.00	3,726.99	4,111.00	4,021.90	29.72	19.66	119.85	-3,668.16	1,039.59	4,383.87	4,338.40	45.47	96.418		
4,200.00	3,809.81	4,156.14	4,066.57	30.85	19.85	120.08	-3,665.51	1,045.48	4,408.71	4,362.22	46.49	94.826		
4,300.00	3,892.62	4,214.66	4,124.64	31.98	20.09	120.38	-3,662.46	1,052.06	4,434.58	4,387.02	47.56	93.240		
4,400.00	3,975.43	4,305.11	4,214.63	33.11	20.43	120.87	-3,657.83	1,059.95	4,461.02	4,412.29	48.73	91.542		
4,500.00	4,058.25	4,351.20	4,260.56	34.24	20.58	121.13	-3,655.63	1,063.00	4,488.23	4,438.55	49.69	90.331		
4,600.00	4,141.06	4,394.00	4,303.26	35.37	20.73	121.38	-3,653.89	1,065.31	4,516.57	4,465.96	50.61	89.237		
4,700.00	4,223.87	4,434.69	4,343.89	36.50	20.86	121.62	-3,652.59	1,067.07	4,546.14	4,494.64	51.50	88.267		
4,800.00	4,306.69	4,488.00	4,397.16	37.64	21.02	121.93	-3,651.58	1,068.77	4,577.11	4,524.68	52.43	87.301		
4,900.00	4,389.50	4,525.41	4,434.57	38.77	21.13	122.16	-3,651.17	1,069.66	4,609.14	4,555.87	53.27	86.524		
5,000.00	4,472.32	4,601.97	4,511.10	39.91	21.35	122.62	-3,650.42	1,071.10	4,641.94	4,587.69	54.25	85.567		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-0-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,694.25	4,603.36	41.05	21.62	123.17	-3,649.45	1,072.84	4,675.08	4,619.80	55.28	84.569		
5,200.00	4,637.94	4,775.42	4,684.51	42.18	21.86	123.64	-3,648.60	1,074.57	4,708.59	4,652.32	56.27	83.685		
5,300.00	4,720.76	4,862.97	4,772.03	43.32	22.12	124.14	-3,647.71	1,076.68	4,742.46	4,685.19	57.27	82.805		
5,400.00	4,803.57	4,959.06	4,868.08	44.46	22.40	124.68	-3,646.61	1,079.22	4,776.58	4,718.26	58.31	81.915		
5,500.00	4,886.39	5,039.45	4,948.44	45.60	22.65	125.13	-3,645.62	1,081.32	4,810.97	4,751.69	59.28	81.159		
5,600.00	4,969.20	5,133.51	5,042.46	46.74	22.93	125.65	-3,644.40	1,083.58	4,845.69	4,785.40	60.29	80.369		
5,700.00	5,052.01	5,221.35	5,130.28	47.88	23.20	126.14	-3,643.01	1,085.19	4,880.61	4,819.34	61.27	79.660		
5,800.00	5,134.83	5,295.82	5,204.73	49.02	23.42	126.55	-3,641.75	1,085.98	4,915.92	4,853.75	62.17	79.069		
5,900.00	5,217.64	5,361.30	5,270.20	50.16	23.61	126.92	-3,640.76	1,086.31	4,951.81	4,888.79	63.03	78.568		
6,000.00	5,300.45	5,419.40	5,328.30	51.30	23.77	127.24	-3,640.09	1,086.24	4,988.44	4,924.61	63.83	78.148		
6,100.00	5,383.27	5,479.94	5,388.83	52.45	23.93	127.58	-3,639.62	1,085.88	5,025.82	4,961.19	64.63	77.759		
6,200.00	5,466.08	5,546.90	5,455.79	53.59	24.11	127.95	-3,639.37	1,085.36	5,063.89	4,998.45	65.45	77.374		
6,300.00	5,548.90	5,632.74	5,541.63	54.73	24.34	128.42	-3,639.09	1,084.66	5,102.36	5,036.04	66.33	76.928		
6,400.00	5,631.71	5,713.08	5,621.97	55.87	24.55	128.86	-3,638.80	1,083.86	5,141.16	5,073.99	67.18	76.532		
6,500.00	5,714.52	5,803.95	5,712.82	57.02	24.79	129.35	-3,638.36	1,082.76	5,180.24	5,112.18	68.06	76.110		
6,600.00	5,797.34	5,878.40	5,787.27	58.16	24.99	129.74	-3,637.96	1,081.76	5,219.63	5,150.76	68.87	75.784		
6,700.00	5,880.15	5,964.35	5,873.20	59.30	25.23	130.20	-3,637.54	1,080.49	5,259.42	5,189.69	69.73	75.428		
6,800.00	5,962.96	6,078.36	5,987.21	60.45	25.54	130.79	-3,636.68	1,079.04	5,299.26	5,228.57	70.70	74.958		
6,900.00	6,045.78	6,168.41	6,077.25	61.59	25.80	131.25	-3,635.72	1,078.43	5,339.01	5,267.44	71.57	74.595		
7,000.00	6,128.59	6,271.61	6,180.44	62.73	26.10	131.76	-3,634.54	1,078.16	5,378.90	5,306.39	72.51	74.181		
7,100.00	6,211.41	6,374.56	6,283.38	63.88	26.41	132.26	-3,632.91	1,077.85	5,418.73	5,345.29	73.44	73.783		
7,200.00	6,294.22	6,453.51	6,362.31	65.02	26.64	132.65	-3,631.43	1,077.24	5,458.71	5,384.46	74.26	73.512		
7,300.00	6,377.03	6,532.71	6,441.49	66.17	26.87	133.03	-3,629.90	1,076.30	5,499.04	5,423.98	75.06	73.259		
7,400.00	6,459.85	6,619.49	6,528.25	67.31	27.13	133.45	-3,628.26	1,075.28	5,539.66	5,463.76	75.90	72.989		
7,500.00	6,542.66	6,684.76	6,593.50	68.46	27.32	133.76	-3,627.04	1,074.70	5,580.53	5,503.90	76.63	72.820		
7,600.00	6,625.48	6,726.69	6,635.43	69.60	27.44	133.96	-3,626.56	1,074.33	5,622.19	5,544.93	77.26	72.770		
7,700.00	6,708.29	6,785.25	6,693.98	70.75	27.61	134.23	-3,626.31	1,073.74	5,664.65	5,586.70	77.95	72.669		
7,800.00	6,791.10	6,878.87	6,787.60	71.89	27.88	134.66	-3,625.84	1,072.77	5,707.35	5,628.56	78.80	72.431		
7,900.00	6,873.92	6,969.10	6,877.83	73.04	28.15	135.06	-3,625.40	1,072.17	5,750.21	5,670.58	79.63	72.211		
8,000.00	6,956.73	7,063.29	6,972.01	74.18	28.43	135.47	-3,624.83	1,072.01	5,793.04	5,712.55	80.49	71.973		
8,100.00	7,039.54	7,127.68	7,036.41	75.33	28.63	135.75	-3,624.58	1,072.01	5,836.23	5,755.02	81.21	71.869		
8,165.32	7,093.63	7,200.98	7,109.70	76.08	28.86	136.06	-3,624.33	1,072.05	5,864.57	5,782.75	81.83	71.671		
8,200.00	7,122.60	7,243.28	7,152.00	76.47	28.99	130.90	-3,624.05	1,072.08	5,878.67	5,796.50	82.17	71.539		
8,250.00	7,165.05	7,278.10	7,186.83	77.01	29.10	122.78	-3,623.82	1,072.07	5,895.82	5,813.27	82.56	71.417		
8,300.00	7,208.03	7,318.72	7,227.45	77.52	29.22	114.23	-3,623.54	1,072.03	5,909.14	5,826.17	82.97	71.217		
8,350.00	7,251.22	7,370.43	7,279.15	77.99	29.38	105.60	-3,623.17	1,072.00	5,918.50	5,835.05	83.45	70.922		
8,400.00	7,294.28	7,423.36	7,332.08	78.41	29.55	97.29	-3,622.75	1,072.10	5,923.81	5,839.88	83.94	70.576		
8,450.00	7,336.90	7,458.67	7,367.39	78.78	29.66	89.58	-3,622.47	1,072.17	5,925.12	5,840.79	84.33	70.262		
8,500.00	7,378.73	7,495.08	7,403.80	79.10	29.78	82.83	-3,622.20	1,072.20	5,922.45	5,837.73	84.72	69.906		
8,550.00	7,419.47	7,537.17	7,445.88	79.37	29.91	77.18	-3,621.90	1,072.21	5,915.85	5,830.72	85.13	69.493		
8,600.00	7,458.81	7,583.11	7,491.83	79.59	30.05	72.62	-3,621.56	1,072.30	5,905.31	5,819.76	85.55	69.031		
8,650.00	7,496.44	7,629.13	7,537.85	79.76	30.20	69.06	-3,621.20	1,072.48	5,890.91	5,804.96	85.95	68.538		
8,700.00	7,532.08	7,674.70	7,583.41	79.88	30.34	66.44	-3,620.77	1,072.69	5,872.76	5,786.42	86.34	68.019		
8,750.00	7,565.46	7,717.22	7,625.93	79.95	30.48	64.66	-3,620.30	1,072.91	5,851.01	5,764.31	86.70	67.487		
8,800.00	7,596.33	7,734.46	7,643.17	79.98	30.54	63.47	-3,620.16	1,073.01	5,825.93	5,739.01	86.92	67.029		
8,850.00	7,624.44	7,756.57	7,665.27	79.97	30.61	63.08	-3,619.97	1,073.14	5,797.68	5,710.53	87.15	66.529		
8,900.00	7,649.59	7,776.38	7,685.08	79.93	30.67	63.42	-3,619.82	1,073.26	5,766.48	5,679.13	87.35	66.016		
8,950.00	7,671.59	7,794.00	7,702.70	79.84	30.73	64.54	-3,619.71	1,073.38	5,732.55	5,645.02	87.53	65.492		
9,000.00	7,690.26	7,809.77	7,718.47	79.73	30.78	66.51	-3,619.63	1,073.48	5,696.14	5,608.44	87.69	64.956		
9,050.00	7,705.47	7,822.83	7,731.53	79.59	30.82	69.43	-3,619.56	1,073.57	5,657.49	5,569.65	87.83	64.412		
9,100.00	7,717.09	7,832.78	7,741.48	79.43	30.85	73.47	-3,619.51	1,073.63	5,616.88	5,528.93	87.95	63.865		
9,150.00	7,725.04	7,839.54	7,748.24	79.26	30.87	78.83	-3,619.48	1,073.67	5,574.60	5,486.56	88.05	63.315		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-0-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,843.05	7,751.75	79.06	30.88	85.73	-3,619.47	1,073.69	5,530.96	5,442.84	88.12	62.764		
9,231.13	7,730.00	7,843.57	7,752.27	78.93	30.88	90.88	-3,619.46	1,073.70	5,503.24	5,415.07	88.16	62.421		
9,300.00	7,730.00	7,843.30	7,752.00	78.65	30.88	90.87	-3,619.46	1,073.70	5,441.59	5,353.35	88.24	61.665		
9,400.00	7,730.00	7,842.92	7,751.62	78.26	30.88	90.86	-3,619.47	1,073.69	5,352.39	5,264.03	88.37	60.569		
9,500.00	7,730.00	7,842.53	7,751.23	77.89	30.88	90.85	-3,619.47	1,073.69	5,263.58	5,175.08	88.50	59.475		
9,600.00	7,730.00	7,842.14	7,750.84	77.53	30.88	90.84	-3,619.47	1,073.69	5,175.18	5,086.54	88.64	58.383		
9,700.00	7,730.00	7,841.74	7,750.45	77.19	30.88	90.83	-3,619.47	1,073.69	5,087.21	4,998.42	88.79	57.292		
9,800.00	7,730.00	7,841.35	7,750.05	76.88	30.88	90.82	-3,619.47	1,073.68	4,999.69	4,910.74	88.96	56.205		
9,900.00	7,730.00	7,840.95	7,749.65	76.58	30.88	90.81	-3,619.48	1,073.68	4,912.65	4,823.52	89.13	55.119		
10,000.00	7,730.00	7,840.55	7,749.26	76.30	30.87	90.80	-3,619.48	1,073.68	4,826.11	4,736.80	89.31	54.037		
10,100.00	7,730.00	7,840.15	7,748.86	76.04	30.87	90.80	-3,619.48	1,073.68	4,740.10	4,650.59	89.51	52.958		
10,200.00	7,730.00	7,839.75	7,748.45	75.79	30.87	90.79	-3,619.48	1,073.67	4,654.64	4,564.93	89.72	51.882		
10,300.00	7,730.00	7,839.35	7,748.05	75.57	30.87	90.78	-3,619.48	1,073.67	4,569.78	4,479.84	89.94	50.811		
10,400.00	7,730.00	7,838.94	7,747.64	75.36	30.87	90.77	-3,619.48	1,073.67	4,485.54	4,395.37	90.17	49.743		
10,500.00	7,730.00	7,838.53	7,747.23	75.18	30.87	90.76	-3,619.49	1,073.67	4,401.96	4,311.54	90.43	48.681		
10,600.00	7,730.00	7,838.12	7,746.82	75.01	30.87	90.75	-3,619.49	1,073.66	4,319.08	4,228.39	90.69	47.623		
10,700.00	7,730.00	7,837.71	7,746.41	74.86	30.86	90.74	-3,619.49	1,073.66	4,236.94	4,145.96	90.98	46.571		
10,800.00	7,730.00	7,837.29	7,746.00	74.74	30.86	90.73	-3,619.49	1,073.66	4,155.58	4,064.30	91.28	45.525		
10,900.00	7,730.00	7,836.88	7,745.58	74.64	30.86	90.72	-3,619.49	1,073.66	4,075.05	3,983.45	91.60	44.486		
11,000.00	7,730.00	7,836.46	7,745.16	74.56	30.86	90.71	-3,619.50	1,073.65	3,995.40	3,903.46	91.94	43.454		
11,100.00	7,730.00	7,836.04	7,744.74	74.51	30.86	90.70	-3,619.50	1,073.65	3,916.69	3,824.38	92.31	42.431		
11,200.00	7,730.00	7,835.62	7,744.32	74.48	30.86	90.69	-3,619.50	1,073.65	3,838.96	3,746.27	92.69	41.416		
11,300.00	7,730.00	7,835.19	7,743.89	74.48	30.86	90.68	-3,619.50	1,073.64	3,762.29	3,669.19	93.10	40.411		
11,400.00	7,730.00	7,834.76	7,743.46	74.50	30.86	90.67	-3,619.50	1,073.64	3,686.74	3,593.21	93.53	39.417		
11,500.00	7,730.00	7,834.33	7,743.04	74.56	30.85	90.66	-3,619.51	1,073.64	3,612.37	3,518.38	93.99	38.435		
11,600.00	7,730.00	7,833.90	7,742.60	74.66	30.85	90.65	-3,619.51	1,073.64	3,539.27	3,444.80	94.47	37.465		
11,700.00	7,730.00	7,833.47	7,742.17	74.79	30.85	90.64	-3,619.51	1,073.63	3,467.51	3,372.53	94.98	36.508		
11,800.00	7,730.00	7,833.03	7,741.73	74.96	30.85	90.63	-3,619.51	1,073.63	3,397.17	3,301.66	95.51	35.567		
11,900.00	7,730.00	7,832.59	7,741.30	75.17	30.85	90.62	-3,619.51	1,073.63	3,328.36	3,232.28	96.08	34.642		
12,000.00	7,730.00	7,832.15	7,740.86	75.43	30.85	90.61	-3,619.52	1,073.63	3,261.16	3,164.49	96.67	33.735		
12,100.00	7,730.00	7,831.71	7,740.41	75.73	30.85	90.60	-3,619.52	1,073.62	3,195.68	3,098.39	97.29	32.847		
12,200.00	7,730.00	7,831.27	7,739.97	76.09	30.84	90.59	-3,619.52	1,073.62	3,132.02	3,034.08	97.94	31.979		
12,300.00	7,730.00	7,830.82	7,739.52	76.51	30.84	90.58	-3,619.52	1,073.62	3,070.30	2,971.68	98.62	31.134		
12,400.00	7,730.00	7,830.37	7,739.07	76.97	30.84	90.57	-3,619.52	1,073.61	3,010.63	2,911.31	99.32	30.313		
12,500.00	7,730.00	7,829.92	7,738.62	77.50	30.84	90.55	-3,619.53	1,073.61	2,953.15	2,853.10	100.05	29.517		
12,600.00	7,730.00	7,829.46	7,738.16	78.09	30.84	90.54	-3,619.53	1,073.61	2,897.98	2,797.18	100.80	28.749		
12,700.00	7,730.00	7,829.00	7,737.71	78.74	30.84	90.53	-3,619.53	1,073.60	2,845.25	2,743.68	101.58	28.011		
12,800.00	7,730.00	7,828.54	7,737.25	79.45	30.84	90.52	-3,619.53	1,073.60	2,795.11	2,692.74	102.37	27.304		
12,900.00	7,730.00	7,828.08	7,736.79	80.22	30.83	90.51	-3,619.53	1,073.60	2,747.70	2,644.52	103.18	26.631		
13,000.00	7,730.00	7,827.62	7,736.32	81.05	30.83	90.50	-3,619.54	1,073.60	2,703.15	2,599.16	104.00	25.993		
13,100.00	7,730.00	7,827.15	7,735.85	81.94	30.83	90.49	-3,619.54	1,073.59	2,661.62	2,556.80	104.82	25.392		
13,200.00	7,730.00	7,826.68	7,735.39	82.87	30.83	90.48	-3,619.54	1,073.59	2,623.24	2,517.60	105.65	24.830		
13,300.00	7,730.00	7,826.21	7,734.91	83.86	30.83	90.47	-3,619.54	1,073.59	2,588.16	2,481.70	106.47	24.310		
13,400.00	7,730.00	7,825.74	7,734.44	84.90	30.83	90.46	-3,619.55	1,073.58	2,556.51	2,449.24	107.27	23.832		
13,500.00	7,730.00	7,825.26	7,733.96	85.97	30.83	90.45	-3,619.55	1,073.58	2,528.43	2,420.37	108.06	23.399		
13,600.00	7,730.00	7,824.78	7,733.48	87.09	30.82	90.43	-3,619.55	1,073.58	2,504.02	2,395.20	108.82	23.011		
13,700.00	7,730.00	7,824.30	7,733.00	88.25	30.82	90.42	-3,619.55	1,073.57	2,483.41	2,373.86	109.54	22.670		
13,800.00	7,730.00	7,823.81	7,732.52	89.44	30.82	90.41	-3,619.56	1,073.57	2,466.68	2,356.45	110.23	22.378		
13,900.00	7,730.00	7,823.33	7,732.03	90.66	30.82	90.40	-3,619.56	1,073.57	2,453.91	2,343.05	110.86	22.135		
14,000.00	7,730.00	7,822.84	7,731.54	91.92	30.82	90.39	-3,619.56	1,073.57	2,445.17	2,333.73	111.44	21.942		
14,100.00	7,730.00	7,822.35	7,731.05	93.20	30.82	90.38	-3,619.56	1,073.56	2,440.50	2,328.54	111.95	21.799		
14,164.11	7,730.00	7,822.03	7,730.73	94.03	30.81	90.37	-3,619.56	1,073.56	2,439.66	2,327.40	112.25	21.734	CC, ES	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-0-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,821.85	7,730.55	94.50	30.81	90.37	-3,619.57	1,073.56	2,439.92	2,327.51	112.41	21.706		
14,300.00	7,730.00	7,821.35	7,730.05	95.83	30.81	90.35	-3,619.57	1,073.56	2,443.44	2,330.65	112.79	21.664 SF		
14,400.00	7,730.00	7,820.85	7,729.55	97.17	30.81	90.34	-3,619.57	1,073.55	2,451.03	2,337.94	113.09	21.673		
14,500.00	7,730.00	7,820.35	7,729.05	98.54	30.81	90.33	-3,619.57	1,073.55	2,462.67	2,349.34	113.33	21.730		
14,600.00	7,730.00	7,819.84	7,728.54	99.92	30.81	90.32	-3,619.58	1,073.55	2,478.29	2,364.80	113.49	21.837		
14,700.00	7,730.00	7,819.33	7,728.04	101.32	30.81	90.31	-3,619.58	1,073.54	2,497.82	2,384.24	113.58	21.992		
14,800.00	7,730.00	7,818.82	7,727.52	102.74	30.80	90.29	-3,619.58	1,073.54	2,521.16	2,407.57	113.60	22.194		
14,900.00	7,730.00	7,818.31	7,727.01	104.17	30.80	90.28	-3,619.58	1,073.54	2,548.22	2,434.67	113.55	22.441		
15,000.00	7,730.00	7,817.79	7,726.49	105.62	30.80	90.27	-3,619.59	1,073.53	2,578.88	2,465.43	113.44	22.732		
15,100.00	7,730.00	7,817.27	7,725.97	107.07	30.80	90.26	-3,619.59	1,073.53	2,613.00	2,499.72	113.28	23.067		
15,200.00	7,730.00	7,816.75	7,725.45	108.54	30.80	90.25	-3,619.59	1,073.53	2,650.47	2,537.40	113.06	23.442		
15,300.00	7,730.00	7,816.22	7,724.92	110.02	30.80	90.23	-3,619.59	1,073.52	2,691.12	2,578.32	112.80	23.857		
15,400.00	7,730.00	7,815.69	7,724.39	111.51	30.79	90.22	-3,619.60	1,073.52	2,734.83	2,622.34	112.50	24.310		
15,500.00	7,730.00	7,815.16	7,723.86	113.01	30.79	90.21	-3,619.60	1,073.52	2,781.45	2,669.29	112.16	24.799		
15,600.00	7,730.00	7,814.62	7,723.32	114.52	30.79	90.20	-3,619.60	1,073.51	2,830.84	2,719.05	111.79	25.322		
15,700.00	7,730.00	7,814.08	7,722.79	116.04	30.79	90.18	-3,619.60	1,073.51	2,882.85	2,771.45	111.40	25.878		
15,800.00	7,730.00	7,813.54	7,722.25	117.56	30.79	90.17	-3,619.61	1,073.50	2,937.35	2,826.35	110.99	26.465		
15,900.00	7,730.00	7,813.00	7,721.70	119.09	30.79	90.16	-3,619.61	1,073.50	2,994.19	2,883.62	110.57	27.080		
16,000.00	7,730.00	7,812.45	7,721.15	120.63	30.78	90.14	-3,619.61	1,073.50	3,053.25	2,943.12	110.13	27.724		
16,100.00	7,730.00	7,811.90	7,720.60	122.18	30.78	90.13	-3,619.62	1,073.49	3,114.40	3,004.72	109.69	28.394		
16,200.00	7,730.00	7,811.35	7,720.05	123.73	30.78	90.12	-3,619.62	1,073.49	3,177.53	3,068.29	109.24	29.088		
16,300.00	7,730.00	7,812.82	7,721.52	125.29	30.79	90.15	-3,619.62	1,073.50	3,242.50	3,133.70	108.80	29.801		
16,400.00	7,730.00	7,812.25	7,720.96	126.86	30.78	90.14	-3,619.62	1,073.50	3,309.23	3,200.87	108.36	30.540		
16,500.00	7,730.00	7,811.69	7,720.39	128.43	30.78	90.13	-3,619.62	1,073.50	3,377.59	3,269.68	107.91	31.300		
16,600.00	7,730.00	7,811.11	7,719.81	130.01	30.78	90.11	-3,619.62	1,073.49	3,447.51	3,340.04	107.47	32.078		
16,700.00	7,730.00	7,810.52	7,719.23	131.59	30.78	90.10	-3,619.63	1,073.49	3,518.87	3,411.83	107.04	32.874		
16,800.00	7,730.00	7,809.93	7,718.64	133.18	30.78	90.09	-3,619.63	1,073.48	3,591.61	3,484.99	106.62	33.688		
16,900.00	7,730.00	7,809.33	7,718.04	134.77	30.77	90.07	-3,619.63	1,073.48	3,665.63	3,559.43	106.20	34.516		
17,000.00	7,730.00	7,808.72	7,717.43	136.37	30.77	90.06	-3,619.64	1,073.48	3,740.85	3,635.06	105.79	35.360		
17,100.00	7,730.00	7,808.11	7,716.81	137.97	30.77	90.04	-3,619.64	1,073.47	3,817.22	3,711.82	105.40	36.217		
17,200.00	7,730.00	7,807.48	7,716.18	139.57	30.77	90.03	-3,619.64	1,073.47	3,894.65	3,789.64	105.01	37.087		
17,300.00	7,730.00	7,806.85	7,715.55	141.18	30.77	90.01	-3,619.65	1,073.46	3,973.09	3,868.45	104.64	37.969		
17,400.00	7,730.00	7,806.20	7,714.91	142.79	30.76	90.00	-3,619.65	1,073.46	4,052.48	3,948.21	104.28	38.862		
17,500.00	7,730.00	7,805.55	7,714.26	144.41	30.76	89.98	-3,619.65	1,073.45	4,132.77	4,028.84	103.93	39.766		
17,600.00	7,730.00	7,804.89	7,713.59	146.03	30.76	89.97	-3,619.66	1,073.45	4,213.90	4,110.31	103.59	40.679		
17,700.00	7,730.00	7,804.22	7,712.92	147.65	30.76	89.95	-3,619.66	1,073.45	4,295.82	4,192.56	103.26	41.602		
17,800.00	7,730.00	7,803.54	7,712.24	149.28	30.76	89.94	-3,619.66	1,073.44	4,378.50	4,275.56	102.94	42.533		
17,900.00	7,730.00	7,802.85	7,711.55	150.91	30.75	89.92	-3,619.67	1,073.44	4,461.89	4,359.25	102.64	43.472		
18,000.00	7,730.00	7,802.15	7,710.85	152.54	30.75	89.90	-3,619.67	1,073.43	4,545.94	4,443.60	102.34	44.418		
18,100.00	7,730.00	7,801.44	7,710.14	154.18	30.75	89.89	-3,619.67	1,073.43	4,630.63	4,528.57	102.06	45.372		
18,200.00	7,730.00	7,800.71	7,709.42	155.82	30.75	89.87	-3,619.68	1,073.42	4,715.92	4,614.13	101.79	46.331		
18,300.00	7,730.00	7,799.98	7,708.68	157.46	30.74	89.85	-3,619.68	1,073.42	4,801.78	4,700.25	101.52	47.297		
18,400.00	7,730.00	7,799.24	7,707.94	159.11	30.74	89.83	-3,619.69	1,073.41	4,888.17	4,786.90	101.27	48.268		
18,500.00	7,730.00	7,798.48	7,707.18	160.75	30.74	89.82	-3,619.69	1,073.41	4,975.07	4,874.05	101.03	49.245		
18,600.00	7,730.00	7,797.71	7,706.42	162.40	30.74	89.80	-3,619.69	1,073.40	5,062.46	4,961.67	100.79	50.226		
18,700.00	7,730.00	7,796.93	7,705.64	164.05	30.74	89.78	-3,619.70	1,073.40	5,150.31	5,049.74	100.57	51.212		
18,800.00	7,730.00	7,796.14	7,704.85	165.71	30.73	89.76	-3,619.70	1,073.39	5,238.59	5,138.24	100.35	52.202		
18,900.00	7,730.00	7,795.34	7,704.04	167.36	30.73	89.74	-3,619.71	1,073.39	5,327.29	5,227.14	100.15	53.195		
18,942.39	7,730.00	7,794.99	7,703.70	168.07	30.73	89.73	-3,619.71	1,073.38	5,365.00	5,264.94	100.06	53.618		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-2-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	175.23	-4,029.39	336.34	4,043.43					
100.00	100.00	98.16	98.16	0.13	0.16	175.23	-4,029.22	336.56	4,043.28	4,042.98	0.30	N/A		
200.00	200.00	248.30	248.28	0.49	0.70	175.19	-4,027.63	338.59	4,042.33	4,041.13	1.20	3,373.842		
300.00	300.00	305.00	304.94	0.85	0.91	175.17	-4,026.48	340.03	4,040.87	4,039.11	1.76	2,296.993		
319.94	319.94	305.00	304.94	0.92	0.91	175.17	-4,026.48	340.03	4,040.82	4,038.99	1.83	2,207.065		
400.00	400.00	305.00	304.94	1.21	0.91	175.17	-4,026.48	340.03	4,041.61	4,039.49	2.12	1,905.851		
429.49	429.49	387.22	387.10	1.32	1.21	175.13	-4,025.67	343.07	4,040.35	4,037.83	2.52	1,601.158		
500.00	500.00	417.44	417.29	1.57	1.32	175.11	-4,025.90	344.52	4,041.18	4,038.29	2.89	1,399.948		
600.00	600.00	460.25	460.02	1.93	1.48	175.08	-4,026.72	346.89	4,043.56	4,040.16	3.40	1,188.647		
700.00	700.00	502.99	502.65	2.29	1.63	175.04	-4,028.11	349.62	4,047.36	4,043.45	3.92	1,033.524		
800.00	800.00	545.63	545.13	2.64	1.79	175.00	-4,030.07	352.71	4,052.58	4,048.15	4.43	915.082		
900.00	899.98	639.00	637.94	3.00	2.13	115.21	-4,036.34	360.72	4,060.69	4,055.57	5.12	793.229		
1,000.00	999.84	639.00	637.94	3.35	2.13	115.03	-4,036.34	360.72	4,070.22	4,064.75	5.47	743.980		
1,100.00	1,099.45	676.27	674.90	3.71	2.28	114.79	-4,039.57	364.32	4,083.28	4,077.31	5.97	684.268		
1,200.00	1,198.70	731.00	729.08	4.08	2.50	114.52	-4,044.99	369.81	4,099.10	4,092.56	6.53	627.302		
1,300.00	1,297.47	759.53	757.26	4.47	2.62	114.19	-4,048.20	372.83	4,117.65	4,110.64	7.01	586.983		
1,400.00	1,395.62	794.16	791.40	4.87	2.76	113.83	-4,052.55	376.79	4,139.13	4,131.60	7.53	549.471		
1,500.00	1,493.06	825.00	821.70	5.31	2.89	113.41	-4,056.83	380.56	4,163.46	4,155.41	8.05	517.012		
1,600.00	1,589.64	865.30	861.17	5.77	3.07	112.96	-4,062.98	385.82	4,190.55	4,181.91	8.64	484.984		
1,700.00	1,685.27	920.00	914.53	6.28	3.32	112.51	-4,072.27	393.52	4,220.42	4,211.10	9.32	453.018		
1,800.00	1,779.82	920.00	914.53	6.83	3.32	111.87	-4,072.27	393.52	4,252.78	4,242.99	9.78	434.672		
1,900.00	1,873.17	970.77	963.82	7.43	3.57	111.33	-4,081.88	401.04	4,287.63	4,277.11	10.51	407.806		
2,000.00	1,965.21	1,014.00	1,005.60	8.08	3.78	110.72	-4,090.83	407.57	4,325.09	4,313.84	11.25	384.613		
2,100.00	2,055.84	1,045.28	1,035.74	8.79	3.95	110.04	-4,097.67	412.38	4,364.85	4,352.89	11.96	364.824		
2,200.00	2,144.94	1,088.91	1,077.69	9.56	4.18	109.36	-4,107.56	419.18	4,406.77	4,393.99	12.78	344.757		
2,300.00	2,232.39	1,158.95	1,144.90	10.39	4.56	108.77	-4,124.01	430.03	4,450.60	4,436.82	13.78	323.074		
2,400.00	2,318.11	1,303.18	1,283.79	11.30	5.35	108.60	-4,156.61	451.17	4,494.74	4,479.53	15.21	295.531		
2,504.60	2,405.78	1,349.89	1,328.71	12.31	5.61	107.85	-4,167.15	458.44	4,542.43	4,526.20	16.23	279.905		
2,600.00	2,484.79	1,449.95	1,424.68	13.28	6.19	108.42	-4,190.08	475.05	4,587.04	4,569.53	17.51	262.006		
2,700.00	2,567.60	1,533.46	1,504.78	14.32	6.68	108.88	-4,208.73	489.55	4,633.54	4,614.79	18.75	247.093		
2,800.00	2,650.41	1,601.19	1,569.70	15.37	7.08	109.24	-4,223.95	501.43	4,680.44	4,660.52	19.92	234.951		
2,900.00	2,733.23	1,667.13	1,632.80	16.44	7.48	109.59	-4,239.01	513.28	4,727.88	4,706.79	21.09	224.205		
3,000.00	2,816.04	1,742.89	1,705.27	17.52	7.94	109.98	-4,256.46	526.81	4,775.71	4,753.39	22.32	213.977		
3,100.00	2,898.85	1,873.44	1,830.23	18.60	8.73	110.64	-4,285.65	550.76	4,823.11	4,799.22	23.90	201.839		
3,200.00	2,981.67	1,936.00	1,890.21	19.69	9.10	110.95	-4,299.61	561.79	4,870.79	4,845.73	25.06	194.381		
3,300.00	3,064.48	2,044.50	1,994.41	20.79	9.75	111.49	-4,323.74	579.98	4,918.65	4,892.15	26.50	185.623		
3,400.00	3,147.30	2,132.65	2,079.12	21.90	10.28	111.93	-4,343.05	594.89	4,966.43	4,938.61	27.82	178.543		
3,500.00	3,230.11	2,167.49	2,112.53	23.00	10.49	112.09	-4,350.85	600.97	5,014.76	4,985.96	28.80	174.111		
3,600.00	3,312.92	2,219.00	2,161.76	24.12	10.81	112.33	-4,362.84	610.25	5,064.00	5,034.12	29.89	169.429		
3,700.00	3,395.74	2,290.92	2,230.43	25.23	11.25	112.66	-4,379.84	623.16	5,113.81	5,082.70	31.11	164.385		
3,800.00	3,478.55	2,391.37	2,326.52	26.35	11.87	113.12	-4,403.23	640.77	5,163.52	5,131.00	32.52	158.787		
3,900.00	3,561.36	2,523.90	2,453.52	27.47	12.69	113.71	-4,432.95	664.24	5,212.58	5,178.44	34.15	152.650		
4,000.00	3,644.18	2,567.79	2,495.55	28.59	12.96	113.90	-4,442.83	672.16	5,262.00	5,226.83	35.18	149.591		
4,100.00	3,726.99	2,668.73	2,592.00	29.72	13.58	114.33	-4,466.03	690.82	5,312.01	5,275.41	36.60	145.138		
4,200.00	3,809.81	2,797.59	2,715.51	30.85	14.37	114.87	-4,494.39	714.17	5,361.29	5,323.08	38.22	140.293		
4,300.00	3,892.62	2,881.21	2,795.80	31.98	14.88	115.21	-4,512.47	728.96	5,410.46	5,370.95	39.51	136.935		
4,400.00	3,975.43	2,932.70	2,845.23	33.11	15.19	115.42	-4,523.73	737.96	5,460.02	5,419.44	40.58	134.556		
4,500.00	4,058.25	2,997.19	2,907.06	34.24	15.59	115.68	-4,538.17	749.28	5,510.14	5,468.41	41.73	132.038		
4,600.00	4,141.06	3,083.91	2,990.22	35.37	16.12	116.03	-4,557.54	764.42	5,560.39	5,517.35	43.04	129.187		
4,700.00	4,223.87	3,147.85	3,051.49	36.50	16.51	116.28	-4,571.93	775.68	5,610.92	5,566.74	44.19	126.985		
4,800.00	4,306.69	3,223.07	3,123.50	37.64	16.97	116.57	-4,589.05	789.08	5,661.79	5,616.38	45.41	124.680		
4,900.00	4,389.50	3,368.45	3,262.81	38.77	17.87	117.11	-4,621.57	814.98	5,712.56	5,665.41	47.15	121.148		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-2-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,472.32	3,435.53	3,327.09	39.91	18.28	117.36	-4,636.31	827.27	5,762.99	5,714.67	48.32	119.266		
5,100.00	4,555.13	3,506.09	3,394.64	41.05	18.72	117.61	-4,651.91	840.40	5,813.65	5,764.14	49.51	117.419		
5,200.00	4,637.94	3,566.89	3,452.84	42.18	19.10	117.82	-4,665.48	851.58	5,864.64	5,814.01	50.62	115.846		
5,300.00	4,720.76	3,618.24	3,501.97	43.32	19.42	118.00	-4,677.17	860.87	5,916.13	5,864.47	51.66	114.527		
5,400.00	4,803.57	3,774.45	3,651.62	44.46	20.38	118.55	-4,712.38	888.55	5,967.72	5,914.23	53.49	111.567		
5,500.00	4,886.39	3,861.84	3,735.64	45.60	20.91	118.85	-4,731.06	903.66	6,018.37	5,963.58	54.79	109.849		
5,600.00	4,969.20	3,919.00	3,790.53	46.74	21.25	119.04	-4,743.61	913.52	6,069.59	6,013.74	55.85	108.674		
5,700.00	5,052.01	3,946.00	3,816.42	47.88	21.42	119.14	-4,749.71	918.12	6,121.41	6,064.74	56.67	108.012		
5,800.00	5,134.83	3,982.18	3,851.10	49.02	21.64	119.26	-4,758.08	924.11	6,173.95	6,116.40	57.56	107.268		
5,900.00	5,217.64	5,315.97	5,158.68	50.16	27.71	124.29	-4,932.61	1,062.75	6,226.82	6,160.88	65.94	94.431		
6,000.00	5,300.45	5,466.84	5,309.54	51.30	28.09	124.96	-4,933.02	1,064.50	6,262.76	6,195.56	67.20	93.196		
6,100.00	5,383.27	5,554.62	5,397.32	52.45	28.30	125.35	-4,932.75	1,065.24	6,298.62	6,230.37	68.25	92.290		
6,200.00	5,466.08	5,638.90	5,481.59	53.59	28.51	125.72	-4,932.46	1,065.79	6,334.75	6,265.47	69.28	91.441		
6,300.00	5,548.90	5,731.36	5,574.05	54.73	28.73	126.12	-4,932.05	1,066.42	6,371.06	6,300.74	70.32	90.598		
6,400.00	5,631.71	5,815.02	5,657.71	55.87	28.93	126.48	-4,931.62	1,067.02	6,407.60	6,336.26	71.33	89.825		
6,500.00	5,714.52	5,909.37	5,752.06	57.02	29.16	126.88	-4,931.04	1,067.58	6,444.33	6,371.96	72.37	89.048		
6,600.00	5,797.34	6,007.96	5,850.64	58.16	29.39	127.30	-4,930.19	1,068.02	6,481.15	6,407.75	73.41	88.292		
6,700.00	5,880.15	6,102.89	5,945.56	59.30	29.61	127.70	-4,929.17	1,068.42	6,518.07	6,443.65	74.42	87.582		
6,800.00	5,962.96	6,196.68	6,039.34	60.45	29.83	128.09	-4,927.98	1,068.79	6,555.09	6,479.67	75.43	86.905		
6,900.00	6,045.78	6,279.97	6,122.63	61.59	30.03	128.44	-4,926.86	1,069.11	6,592.32	6,515.92	76.40	86.290		
7,000.00	6,128.59	6,405.42	6,248.06	62.73	30.33	128.95	-4,924.78	1,069.74	6,629.50	6,552.01	77.49	85.556		
7,100.00	6,211.41	6,492.85	6,335.47	63.88	30.54	129.30	-4,922.95	1,070.21	6,666.58	6,588.12	78.46	84.970		
7,200.00	6,294.22	6,547.52	6,390.13	65.02	30.67	129.52	-4,922.02	1,070.68	6,704.15	6,624.82	79.32	84.516		
7,300.00	6,377.03	6,611.66	6,454.25	66.17	30.84	129.77	-4,921.23	1,071.45	6,742.27	6,662.05	80.22	84.049		
7,400.00	6,459.85	6,682.44	6,525.03	67.31	31.02	130.04	-4,920.54	1,072.34	6,780.81	6,699.67	81.13	83.579		
7,500.00	6,542.66	6,761.19	6,603.77	68.46	31.23	130.34	-4,919.90	1,073.40	6,819.68	6,737.61	82.07	83.100		
7,600.00	6,625.48	6,873.47	6,716.03	69.60	31.53	130.77	-4,918.85	1,075.13	6,858.63	6,775.52	83.12	82.519		
7,700.00	6,708.29	6,970.34	6,812.88	70.75	31.79	131.13	-4,917.52	1,076.70	6,897.42	6,813.31	84.10	82.013		
7,800.00	6,791.10	7,036.00	6,878.53	71.89	31.95	131.38	-4,916.59	1,077.10	6,936.59	6,851.62	84.97	81.640		
7,900.00	6,873.92	7,151.79	6,994.30	73.04	32.24	131.81	-4,914.60	1,077.11	6,975.91	6,889.94	85.98	81.139		
8,000.00	6,956.73	7,274.88	7,117.35	74.18	32.54	132.28	-4,911.67	1,076.80	7,014.98	6,927.98	87.00	80.636		
8,100.00	7,039.54	7,362.15	7,204.59	75.33	32.75	132.61	-4,909.10	1,076.22	7,053.90	6,966.01	87.89	80.255		
8,165.32	7,093.63	7,404.95	7,247.38	76.08	32.85	132.77	-4,907.90	1,075.91	7,079.53	6,991.09	88.43	80.056		
8,200.00	7,122.60	7,414.00	7,256.42	76.47	32.87	127.59	-4,907.65	1,075.84	7,092.29	7,003.61	88.68	79.979		
8,250.00	7,165.05	7,443.46	7,285.87	77.01	32.95	119.60	-4,906.94	1,075.65	7,107.49	7,018.39	89.10	79.772		
8,300.00	7,208.03	7,464.53	7,306.93	77.52	33.00	111.07	-4,906.52	1,075.55	7,118.85	7,029.35	89.50	79.538		
8,350.00	7,251.22	7,485.69	7,328.09	77.99	33.05	102.39	-4,906.17	1,075.48	7,126.30	7,036.39	89.91	79.258		
8,400.00	7,294.28	7,508.00	7,350.40	78.41	33.11	93.99	-4,905.90	1,075.44	7,129.80	7,039.47	90.33	78.931		
8,450.00	7,336.90	7,567.75	7,410.14	78.78	33.26	86.42	-4,905.22	1,075.48	7,129.21	7,038.33	90.88	78.450		
8,500.00	7,378.73	7,623.96	7,466.35	79.10	33.41	79.77	-4,904.49	1,075.71	7,124.41	7,033.01	91.40	77.944		
8,550.00	7,419.47	7,671.57	7,513.95	79.37	33.54	74.13	-4,903.87	1,076.09	7,115.53	7,023.63	91.90	77.430		
8,600.00	7,458.81	7,743.84	7,586.21	79.59	33.74	69.67	-4,902.87	1,076.99	7,102.60	7,010.14	92.47	76.812		
8,650.00	7,496.44	7,815.29	7,657.64	79.76	33.94	66.22	-4,901.55	1,078.19	7,085.57	6,992.55	93.02	76.172		
8,700.00	7,532.08	7,860.77	7,703.10	79.88	34.06	63.56	-4,900.62	1,079.06	7,064.74	6,971.28	93.46	75.587		
8,750.00	7,565.46	7,903.21	7,745.53	79.95	34.18	61.74	-4,899.71	1,079.92	7,040.31	6,946.43	93.88	74.993		
8,800.00	7,596.33	7,909.03	7,751.34	79.98	34.20	60.47	-4,899.61	1,079.99	7,012.59	6,918.44	94.14	74.490		
8,850.00	7,624.44	7,923.90	7,766.21	79.97	34.24	60.02	-4,899.32	1,080.22	6,981.74	6,887.32	94.42	73.945		
8,900.00	7,649.59	7,937.15	7,779.45	79.93	34.27	60.33	-4,899.08	1,080.40	6,948.00	6,853.33	94.67	73.392		
8,950.00	7,671.59	7,948.68	7,790.98	79.84	34.30	61.46	-4,898.88	1,080.53	6,911.60	6,816.70	94.90	72.831		
9,000.00	7,690.26	7,958.40	7,800.70	79.73	34.33	63.51	-4,898.72	1,080.63	6,872.79	6,777.69	95.10	72.266		
9,050.00	7,705.47	7,979.00	7,821.30	79.59	34.39	66.85	-4,898.41	1,080.79	6,831.87	6,736.53	95.33	71.663		
9,100.00	7,717.09	7,979.00	7,821.30	79.43	34.39	71.32	-4,898.41	1,080.79	6,789.06	6,693.59	95.47	71.110		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-2-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,725.04	7,979.00	7,821.30	79.26	34.39	77.54	-4,898.41	1,080.79	6,744.72	6,649.12	95.60	70.551		
9,200.00	7,729.27	7,979.00	7,821.30	79.06	34.39	85.97	-4,898.41	1,080.79	6,699.16	6,603.44	95.72	69.989		
9,231.13	7,730.00	7,979.00	7,821.30	78.93	34.39	92.51	-4,898.41	1,080.79	6,670.31	6,574.52	95.79	69.638		
9,300.00	7,730.00	7,979.00	7,821.30	78.65	34.39	92.51	-4,898.41	1,080.79	6,606.23	6,510.29	95.93	68.862		
9,400.00	7,730.00	7,979.00	7,821.30	78.26	34.39	92.51	-4,898.41	1,080.79	6,513.34	6,417.19	96.16	67.736		
9,500.00	7,730.00	7,979.00	7,821.30	77.89	34.39	92.51	-4,898.41	1,080.79	6,420.67	6,324.28	96.39	66.612		
9,600.00	7,730.00	7,979.00	7,821.30	77.53	34.39	92.51	-4,898.41	1,080.79	6,328.23	6,231.60	96.63	65.488		
9,700.00	7,730.00	7,979.00	7,821.30	77.19	34.39	92.51	-4,898.41	1,080.79	6,236.02	6,139.13	96.88	64.365		
9,800.00	7,730.00	7,979.00	7,821.30	76.88	34.39	92.51	-4,898.41	1,080.79	6,144.05	6,046.90	97.15	63.244		
9,900.00	7,730.00	7,979.00	7,821.30	76.58	34.39	92.51	-4,898.41	1,080.79	6,052.33	5,954.91	97.42	62.124		
10,000.00	7,730.00	7,979.00	7,821.30	76.30	34.39	92.51	-4,898.41	1,080.79	5,960.88	5,863.17	97.71	61.007		
10,100.00	7,730.00	7,979.00	7,821.30	76.04	34.39	92.51	-4,898.41	1,080.79	5,869.71	5,771.71	98.01	59.890		
10,200.00	7,730.00	7,979.00	7,821.30	75.79	34.39	92.51	-4,898.41	1,080.79	5,778.84	5,680.52	98.32	58.776		
10,300.00	7,730.00	7,979.00	7,821.30	75.57	34.39	92.51	-4,898.41	1,080.79	5,688.27	5,589.62	98.64	57.665		
10,400.00	7,730.00	7,979.00	7,821.30	75.36	34.39	92.51	-4,898.41	1,080.79	5,598.02	5,499.03	98.98	56.555		
10,500.00	7,730.00	7,979.00	7,821.30	75.18	34.39	92.51	-4,898.41	1,080.79	5,508.10	5,408.77	99.34	55.449		
10,600.00	7,730.00	7,979.00	7,821.30	75.01	34.39	92.51	-4,898.41	1,080.79	5,418.55	5,318.84	99.71	54.345		
10,700.00	7,730.00	7,979.00	7,821.30	74.86	34.39	92.51	-4,898.41	1,080.79	5,329.36	5,229.27	100.09	53.245		
10,800.00	7,730.00	7,979.00	7,821.30	74.74	34.39	92.51	-4,898.41	1,080.79	5,240.56	5,140.07	100.49	52.148		
10,900.00	7,730.00	7,963.98	7,806.28	74.64	34.35	92.15	-4,898.64	1,080.68	5,152.13	5,051.30	100.84	51.093		
11,000.00	7,730.00	7,963.07	7,805.37	74.56	34.34	92.13	-4,898.65	1,080.67	5,064.17	4,962.90	101.27	50.006		
11,100.00	7,730.00	7,962.14	7,804.44	74.51	34.34	92.11	-4,898.66	1,080.66	4,976.67	4,874.95	101.72	48.924		
11,200.00	7,730.00	7,961.21	7,803.51	74.48	34.34	92.09	-4,898.68	1,080.66	4,889.64	4,787.45	102.19	47.847		
11,300.00	7,730.00	7,960.27	7,802.57	74.48	34.34	92.07	-4,898.69	1,080.65	4,803.12	4,700.43	102.68	46.775		
11,400.00	7,730.00	7,959.32	7,801.62	74.50	34.33	92.04	-4,898.71	1,080.64	4,717.13	4,613.93	103.20	45.710		
11,500.00	7,730.00	7,958.36	7,800.66	74.56	34.33	92.02	-4,898.72	1,080.63	4,631.70	4,527.97	103.73	44.650		
11,600.00	7,730.00	7,957.40	7,799.70	74.66	34.33	92.00	-4,898.74	1,080.62	4,546.87	4,442.58	104.29	43.597		
11,700.00	7,730.00	7,956.42	7,798.72	74.79	34.33	91.97	-4,898.76	1,080.61	4,462.66	4,357.79	104.88	42.552		
11,800.00	7,730.00	7,955.44	7,797.74	74.96	34.32	91.95	-4,898.77	1,080.60	4,379.12	4,273.64	105.48	41.514		
11,900.00	7,730.00	7,954.44	7,796.74	75.17	34.32	91.93	-4,898.79	1,080.59	4,296.28	4,190.16	106.12	40.485		
12,000.00	7,730.00	7,953.44	7,795.74	75.43	34.32	91.90	-4,898.80	1,080.58	4,214.19	4,107.41	106.78	39.466		
12,100.00	7,730.00	7,952.43	7,794.73	75.73	34.32	91.88	-4,898.82	1,080.57	4,132.88	4,025.41	107.47	38.456		
12,200.00	7,730.00	7,951.40	7,793.70	76.09	34.31	91.86	-4,898.84	1,080.56	4,052.41	3,944.22	108.19	37.457		
12,300.00	7,730.00	7,950.37	7,792.67	76.51	34.31	91.83	-4,898.85	1,080.55	3,972.83	3,863.89	108.94	36.469		
12,400.00	7,730.00	7,949.33	7,791.63	76.97	34.31	91.81	-4,898.87	1,080.54	3,894.19	3,784.47	109.72	35.493		
12,500.00	7,730.00	7,948.28	7,790.58	77.50	34.30	91.78	-4,898.89	1,080.53	3,816.55	3,706.02	110.53	34.531		
12,600.00	7,730.00	7,947.22	7,789.52	78.09	34.30	91.76	-4,898.91	1,080.52	3,739.97	3,628.60	111.37	33.583		
12,700.00	7,730.00	7,946.15	7,788.45	78.74	34.30	91.73	-4,898.93	1,080.51	3,664.51	3,552.28	112.24	32.650		
12,800.00	7,730.00	7,945.06	7,787.36	79.45	34.29	91.71	-4,898.94	1,080.49	3,590.26	3,477.12	113.14	31.733		
12,900.00	7,730.00	7,943.97	7,786.27	80.22	34.29	91.68	-4,898.96	1,080.48	3,517.28	3,403.21	114.08	30.833		
13,000.00	7,730.00	7,942.87	7,785.17	81.05	34.29	91.66	-4,898.98	1,080.47	3,445.66	3,330.62	115.04	29.952		
13,100.00	7,730.00	7,941.75	7,784.05	81.94	34.29	91.63	-4,899.00	1,080.46	3,375.48	3,259.45	116.04	29.090		
13,200.00	7,730.00	7,940.63	7,782.93	82.87	34.28	91.60	-4,899.02	1,080.44	3,306.84	3,189.78	117.06	28.249		
13,300.00	7,730.00	7,939.49	7,781.79	83.86	34.28	91.58	-4,899.04	1,080.43	3,239.83	3,121.71	118.11	27.430		
13,400.00	7,730.00	7,938.34	7,780.65	84.90	34.28	91.55	-4,899.06	1,080.41	3,174.55	3,055.36	119.19	26.635		
13,500.00	7,730.00	7,937.18	7,779.49	85.97	34.27	91.52	-4,899.08	1,080.40	3,111.12	2,990.83	120.29	25.864		
13,600.00	7,730.00	7,936.01	7,778.32	87.09	34.27	91.49	-4,899.10	1,080.38	3,049.64	2,928.24	121.40	25.120		
13,700.00	7,730.00	7,934.83	7,777.13	88.25	34.27	91.47	-4,899.12	1,080.37	2,990.25	2,867.72	122.53	24.404		
13,800.00	7,730.00	7,933.63	7,775.94	89.44	34.26	91.44	-4,899.14	1,080.35	2,933.07	2,809.39	123.67	23.716		
13,900.00	7,730.00	7,932.43	7,774.73	90.66	34.26	91.41	-4,899.16	1,080.34	2,878.22	2,753.40	124.82	23.060		
14,000.00	7,730.00	7,931.21	7,773.51	91.92	34.26	91.38	-4,899.19	1,080.32	2,825.85	2,699.89	125.95	22.435		
14,100.00	7,730.00	7,929.97	7,772.28	93.20	34.25	91.35	-4,899.21	1,080.31	2,776.09	2,649.01	127.08	21.845		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-2-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,928.73	7,771.03	94.50	34.25	91.32	-4,899.23	1,080.29	2,729.09	2,600.90	128.19	21.289		
14,300.00	7,730.00	7,927.47	7,769.78	95.83	34.25	91.29	-4,899.25	1,080.27	2,684.99	2,555.72	129.27	20.771		
14,400.00	7,730.00	7,926.20	7,768.51	97.17	34.24	91.26	-4,899.28	1,080.25	2,643.94	2,513.63	130.31	20.290		
14,500.00	7,730.00	7,924.91	7,767.22	98.54	34.24	91.23	-4,899.30	1,080.24	2,606.08	2,474.78	131.30	19.849		
14,600.00	7,730.00	7,923.62	7,765.92	99.92	34.24	91.20	-4,899.33	1,080.22	2,571.55	2,439.33	132.23	19.448		
14,700.00	7,730.00	7,922.30	7,764.61	101.32	34.23	91.17	-4,899.35	1,080.20	2,540.49	2,407.41	133.08	19.090		
14,800.00	7,730.00	7,920.98	7,763.28	102.74	34.23	91.14	-4,899.38	1,080.18	2,513.03	2,379.18	133.85	18.774		
14,900.00	7,730.00	7,919.64	7,761.94	104.17	34.22	91.11	-4,899.40	1,080.16	2,489.29	2,354.75	134.53	18.503		
15,000.00	7,730.00	7,918.28	7,760.59	105.62	34.22	91.08	-4,899.43	1,080.14	2,469.37	2,334.26	135.11	18.277		
15,100.00	7,730.00	7,916.91	7,759.22	107.07	34.22	91.04	-4,899.45	1,080.12	2,453.36	2,317.79	135.58	18.096		
15,200.00	7,730.00	7,915.53	7,757.84	108.54	34.21	91.01	-4,899.48	1,080.09	2,441.35	2,305.43	135.92	17.961		
15,300.00	7,730.00	7,914.13	7,756.44	110.02	34.21	90.98	-4,899.51	1,080.07	2,433.39	2,297.25	136.14	17.874		
15,400.00	7,730.00	7,912.71	7,755.02	111.51	34.21	90.94	-4,899.53	1,080.05	2,429.52	2,293.29	136.24	17.833		
15,444.06	7,730.00	7,912.08	7,754.39	112.17	34.20	90.93	-4,899.55	1,080.04	2,429.12	2,292.88	136.24	17.830 CC, ES, SF		
15,500.00	7,730.00	7,911.28	7,753.59	113.01	34.20	90.91	-4,899.56	1,080.03	2,429.77	2,293.56	136.20	17.839		
15,600.00	7,730.00	7,909.83	7,752.14	114.52	34.20	90.88	-4,899.59	1,080.00	2,434.12	2,298.08	136.04	17.892		
15,700.00	7,730.00	7,908.37	7,750.68	116.04	34.19	90.84	-4,899.62	1,079.98	2,442.57	2,306.81	135.76	17.992		
15,800.00	7,730.00	7,906.89	7,749.20	117.56	34.19	90.81	-4,899.65	1,079.95	2,455.06	2,319.70	135.35	18.138		
15,900.00	7,730.00	7,905.39	7,747.70	119.09	34.19	90.77	-4,899.68	1,079.93	2,471.53	2,336.69	134.84	18.329		
16,000.00	7,730.00	7,903.87	7,746.19	120.63	34.18	90.74	-4,899.71	1,079.90	2,491.91	2,357.69	134.22	18.566		
16,100.00	7,730.00	7,902.34	7,744.66	122.18	34.18	90.70	-4,899.74	1,079.87	2,516.10	2,382.59	133.51	18.846		
16,200.00	7,730.00	7,900.79	7,743.11	123.73	34.17	90.66	-4,899.77	1,079.85	2,544.00	2,411.28	132.72	19.169		
16,300.00	7,730.00	7,899.22	7,741.54	125.29	34.17	90.63	-4,899.80	1,079.82	2,575.47	2,443.62	131.85	19.533		
16,400.00	7,730.00	7,897.64	7,739.95	126.86	34.16	90.59	-4,899.84	1,079.79	2,610.40	2,479.47	130.93	19.938		
16,500.00	7,730.00	7,896.03	7,738.35	128.43	34.16	90.55	-4,899.87	1,079.76	2,648.65	2,518.69	129.95	20.382		
16,600.00	7,730.00	7,894.41	7,736.73	130.01	34.16	90.51	-4,899.90	1,079.73	2,690.06	2,561.12	128.94	20.863		
16,700.00	7,730.00	7,893.32	7,735.63	131.59	34.16	90.53	-4,899.88	1,079.75	2,734.51	2,606.59	127.92	21.377		
16,800.00	7,730.00	7,893.04	7,735.36	133.18	34.15	90.48	-4,899.93	1,079.71	2,781.84	2,654.99	126.85	21.930		
16,900.00	7,730.00	7,890.77	7,733.09	134.77	34.15	90.43	-4,899.98	1,079.66	2,831.92	2,706.14	125.78	22.515		
17,000.00	7,730.00	7,888.52	7,730.84	136.37	34.14	90.37	-4,900.03	1,079.61	2,884.59	2,759.89	124.70	23.132		
17,100.00	7,730.00	7,886.27	7,728.59	137.97	34.13	90.32	-4,900.07	1,079.57	2,939.72	2,816.09	123.63	23.779		
17,200.00	7,730.00	7,884.04	7,726.36	139.57	34.13	90.27	-4,900.12	1,079.52	2,997.17	2,874.60	122.56	24.454		
17,300.00	7,730.00	7,881.81	7,724.13	141.18	34.12	90.22	-4,900.17	1,079.48	3,056.81	2,935.29	121.51	25.156		
17,400.00	7,730.00	7,879.60	7,721.92	142.79	34.11	90.16	-4,900.22	1,079.43	3,118.52	2,998.03	120.48	25.883		
17,500.00	7,730.00	7,877.39	7,719.72	144.41	34.11	90.11	-4,900.27	1,079.39	3,182.17	3,062.69	119.48	26.634		
17,600.00	7,730.00	7,875.20	7,717.52	146.03	34.10	90.06	-4,900.31	1,079.34	3,247.65	3,129.16	118.49	27.408		
17,700.00	7,730.00	7,873.02	7,715.34	147.65	34.10	90.01	-4,900.36	1,079.30	3,314.85	3,197.32	117.54	28.202		
17,800.00	7,730.00	7,870.84	7,713.17	149.28	34.09	89.96	-4,900.41	1,079.26	3,383.68	3,267.07	116.61	29.017		
17,900.00	7,730.00	7,868.68	7,711.01	150.91	34.08	89.91	-4,900.45	1,079.21	3,454.03	3,338.31	115.71	29.850		
18,000.00	7,730.00	7,866.53	7,708.86	152.54	34.08	89.86	-4,900.50	1,079.17	3,525.80	3,410.96	114.85	30.700		
18,100.00	7,730.00	7,864.38	7,706.71	154.18	34.07	89.80	-4,900.54	1,079.13	3,598.93	3,484.92	114.01	31.567		
18,200.00	7,730.00	7,862.25	7,704.58	155.82	34.07	89.75	-4,900.59	1,079.09	3,673.32	3,560.12	113.20	32.449		
18,300.00	7,730.00	7,860.13	7,702.46	157.46	34.06	89.70	-4,900.63	1,079.04	3,748.90	3,636.47	112.43	33.345		
18,400.00	7,730.00	7,858.01	7,700.35	159.11	34.05	89.65	-4,900.68	1,079.00	3,825.60	3,713.92	111.68	34.254		
18,500.00	7,730.00	7,855.91	7,698.24	160.75	34.05	89.60	-4,900.72	1,078.96	3,903.35	3,792.39	110.97	35.176		
18,600.00	7,730.00	7,853.82	7,696.15	162.40	34.04	89.56	-4,900.76	1,078.92	3,982.10	3,871.82	110.28	36.109		
18,700.00	7,730.00	7,851.73	7,694.07	164.05	34.04	89.51	-4,900.81	1,078.88	4,061.78	3,952.16	109.62	37.052		
18,800.00	7,730.00	7,849.66	7,691.99	165.71	34.03	89.46	-4,900.85	1,078.84	4,142.34	4,033.35	108.99	38.005		
18,900.00	7,730.00	7,847.59	7,689.93	167.36	34.03	89.41	-4,900.89	1,078.80	4,223.73	4,115.34	108.39	38.968		
18,942.39	7,730.00	7,846.72	7,689.05	168.07	34.02	89.39	-4,900.91	1,078.78	4,258.47	4,150.33	108.14	39.379		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	134.98	-2,139.37	2,141.08	3,027.14					
100.00	100.00	52.18	52.18	0.13	0.08	134.98	-2,139.32	2,141.13	3,026.73	3,026.51	0.22	N/A		
200.00	200.00	158.41	158.41	0.49	0.37	134.97	-2,138.91	2,141.37	3,026.62	3,025.76	0.86	3,516.824		
300.00	300.00	258.04	258.04	0.85	0.72	134.96	-2,138.58	2,141.27	3,026.32	3,024.75	1.57	1,929.445		
400.00	400.00	353.50	353.50	1.21	1.05	134.97	-2,138.68	2,140.98	3,026.18	3,023.92	2.26	1,340.683		
500.00	500.00	454.03	454.03	1.57	1.40	134.98	-2,138.89	2,140.68	3,026.11	3,023.15	2.97	1,020.289		
600.00	600.00	555.82	555.82	1.93	1.76	134.99	-2,139.28	2,140.08	3,025.97	3,022.28	3.68	821.508		
700.00	700.00	657.88	657.87	2.29	2.12	135.00	-2,139.71	2,139.39	3,025.79	3,021.38	4.40	687.005		
800.00	800.00	768.15	768.14	2.64	2.51	135.03	-2,140.21	2,138.33	3,025.44	3,020.28	5.16	586.773		
900.00	899.98	870.94	870.91	3.00	2.88	75.52	-2,140.66	2,136.91	3,024.33	3,018.45	5.88	514.513		
1,000.00	999.84	959.17	959.13	3.35	3.20	75.66	-2,141.21	2,135.71	3,022.51	3,015.96	6.55	461.703		
1,100.00	1,099.45	1,049.83	1,049.78	3.71	3.52	75.88	-2,142.15	2,134.67	3,020.29	3,013.06	7.23	417.808		
1,200.00	1,198.70	1,155.72	1,155.66	4.08	3.90	76.21	-2,143.36	2,133.42	3,017.32	3,009.34	7.98	378.303		
1,300.00	1,297.47	1,260.53	1,260.45	4.47	4.27	76.62	-2,144.35	2,131.86	3,013.23	3,004.50	8.73	344.971		
1,400.00	1,395.62	1,357.78	1,357.69	4.87	4.62	77.09	-2,145.40	2,130.23	3,008.43	2,998.94	9.49	317.105		
1,500.00	1,493.06	1,456.28	1,456.16	5.31	4.98	77.65	-2,146.51	2,128.53	3,003.01	2,992.74	10.27	292.394		
1,600.00	1,589.64	1,552.61	1,552.47	5.77	5.32	78.27	-2,147.58	2,126.79	2,996.99	2,985.91	11.08	270.529		
1,700.00	1,685.27	1,645.68	1,645.51	6.28	5.66	78.94	-2,148.69	2,125.08	2,990.60	2,978.69	11.91	251.040		
1,800.00	1,779.82	1,739.66	1,739.47	6.83	6.00	79.69	-2,149.79	2,123.45	2,983.93	2,971.14	12.79	233.214		
1,900.00	1,873.17	1,838.00	1,837.79	7.43	6.35	80.53	-2,150.84	2,121.73	2,976.98	2,963.24	13.74	216.634		
2,000.00	1,965.21	1,938.47	1,938.25	8.08	6.71	81.46	-2,151.61	2,119.88	2,969.69	2,954.94	14.75	201.319		
2,100.00	2,055.84	2,033.42	2,033.17	8.79	7.06	82.41	-2,152.06	2,118.09	2,962.25	2,946.45	15.80	187.491		
2,200.00	2,144.94	2,124.70	2,124.44	9.56	7.38	83.38	-2,152.35	2,116.39	2,954.93	2,938.04	16.90	174.878		
2,300.00	2,232.39	2,216.94	2,216.67	10.39	7.71	84.40	-2,152.37	2,114.79	2,947.86	2,929.80	18.06	163.195		
2,400.00	2,318.11	2,310.61	2,310.33	11.30	8.05	85.49	-2,152.04	2,113.26	2,941.11	2,921.81	19.30	152.376		
2,504.60	2,405.78	2,387.08	2,386.78	12.31	8.32	86.44	-2,151.76	2,112.11	2,934.86	2,914.27	20.60	142.489		
2,600.00	2,484.79	2,461.43	2,461.13	13.28	8.58	87.27	-2,151.63	2,111.07	2,930.25	2,908.41	21.84	134.159		
2,700.00	2,567.60	2,560.53	2,560.22	14.32	8.94	88.38	-2,151.46	2,109.53	2,926.44	2,903.20	23.24	125.922		
2,800.00	2,650.41	2,657.18	2,656.84	15.37	9.28	89.46	-2,150.69	2,107.56	2,923.05	2,898.41	24.64	118.613		
2,900.00	2,733.23	2,764.14	2,763.77	16.44	9.66	90.66	-2,149.42	2,105.19	2,920.48	2,894.39	26.09	111.935		
3,000.00	2,816.04	2,860.01	2,859.59	17.52	10.00	91.73	-2,147.35	2,102.86	2,918.20	2,890.70	27.51	106.094		
3,100.00	2,898.85	2,935.00	2,934.53	18.60	10.26	92.57	-2,145.83	2,100.80	2,917.02	2,888.16	28.86	101.087		
3,130.85	2,924.40	2,955.89	2,955.41	18.94	10.34	92.81	-2,145.44	2,100.27	2,916.95	2,887.68	29.27	99.668		
3,200.00	2,981.67	3,003.25	3,002.76	19.69	10.51	93.34	-2,144.64	2,099.18	2,917.31	2,887.12	30.19	96.643		
3,300.00	3,064.48	3,082.17	3,081.65	20.79	10.78	94.21	-2,143.33	2,097.71	2,918.95	2,887.40	31.55	92.517		
3,400.00	3,147.30	3,155.25	3,154.71	21.90	11.04	95.02	-2,142.11	2,096.64	2,921.84	2,888.95	32.89	88.832		
3,500.00	3,230.11	3,225.91	3,225.36	23.00	11.29	95.80	-2,141.21	2,095.68	2,926.14	2,891.92	34.22	85.509		
3,600.00	3,312.92	3,295.78	3,295.22	24.12	11.54	96.57	-2,140.55	2,094.93	2,931.87	2,896.33	35.54	82.495		
3,700.00	3,395.74	3,367.71	3,367.15	25.23	11.79	97.36	-2,140.09	2,094.39	2,939.00	2,902.14	36.86	79.736		
3,800.00	3,478.55	3,444.77	3,444.21	26.35	12.06	98.20	-2,139.78	2,094.02	2,947.44	2,909.25	38.19	77.182		
3,900.00	3,561.36	3,526.14	3,525.58	27.47	12.35	99.09	-2,139.51	2,093.65	2,957.00	2,917.48	39.52	74.815		
4,000.00	3,644.18	3,608.38	3,607.81	28.59	12.64	99.97	-2,139.26	2,093.28	2,967.62	2,926.77	40.85	72.642		
4,100.00	3,726.99	3,691.27	3,690.71	29.72	12.94	100.87	-2,139.00	2,092.93	2,979.26	2,937.09	42.17	70.645		
4,200.00	3,809.81	3,773.73	3,773.17	30.85	13.23	101.75	-2,138.73	2,092.62	2,991.92	2,948.44	43.48	68.815		
4,300.00	3,892.62	3,853.91	3,853.34	31.98	13.51	102.60	-2,138.49	2,092.36	3,005.60	2,960.84	44.76	67.148		
4,400.00	3,975.43	3,935.45	3,934.88	33.11	13.80	103.46	-2,138.32	2,092.12	3,020.34	2,974.31	46.04	65.608		
4,500.00	4,058.25	4,021.04	4,020.47	34.24	14.11	104.35	-2,138.17	2,091.60	3,036.02	2,988.71	47.31	64.168		
4,600.00	4,141.06	4,109.84	4,109.27	35.37	14.43	105.28	-2,137.93	2,090.82	3,052.54	3,003.95	48.59	62.823		
4,700.00	4,223.87	4,200.84	4,200.25	36.50	14.75	106.23	-2,137.53	2,089.63	3,069.81	3,019.95	49.86	61.571		
4,800.00	4,306.69	4,293.01	4,292.41	37.64	15.08	107.19	-2,136.89	2,088.18	3,087.78	3,036.66	51.11	60.409		
4,900.00	4,389.50	4,377.43	4,376.82	38.77	15.39	108.06	-2,136.13	2,086.82	3,106.51	3,054.19	52.32	59.370		
5,000.00	4,472.32	4,456.78	4,456.15	39.91	15.67	108.87	-2,135.44	2,085.43	3,126.18	3,072.68	53.50	58.436		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - ABND VERT HELEN E UNIT 2 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,546.69	4,546.04	41.05	15.99	109.79	-2,134.74	2,083.56	3,146.79	3,092.10	54.70	57.533		
5,200.00	4,637.94	4,640.21	4,639.53	42.18	16.33	110.73	-2,133.60	2,081.20	3,167.89	3,112.00	55.89	56.682		
5,300.00	4,720.76	4,720.83	4,720.11	43.32	16.62	111.54	-2,132.55	2,079.09	3,189.82	3,132.81	57.02	55.947		
5,400.00	4,803.57	4,799.58	4,798.83	44.46	16.90	112.33	-2,131.58	2,077.06	3,212.69	3,154.57	58.12	55.280		
5,500.00	4,886.39	4,884.11	4,883.32	45.60	17.20	113.16	-2,130.55	2,074.96	3,236.42	3,177.20	59.22	54.647		
5,600.00	4,969.20	4,963.35	4,962.54	46.74	17.49	113.93	-2,129.56	2,073.06	3,260.98	3,200.68	60.29	54.085		
5,700.00	5,052.01	5,044.10	5,043.26	47.88	17.78	114.70	-2,128.63	2,071.16	3,286.42	3,225.07	61.35	53.567		
5,800.00	5,134.83	5,126.89	5,126.02	49.02	18.08	115.49	-2,127.66	2,069.28	3,312.65	3,250.25	62.40	53.085		
5,900.00	5,217.64	5,211.97	5,211.07	50.16	18.38	116.28	-2,126.66	2,067.37	3,339.64	3,276.20	63.45	52.637		
6,000.00	5,300.45	5,319.67	5,318.74	51.30	18.76	117.27	-2,124.83	2,065.46	3,366.94	3,302.38	64.57	52.145		
6,100.00	5,383.27	5,406.20	5,405.24	52.45	19.07	118.05	-2,123.03	2,064.34	3,394.67	3,329.08	65.59	51.757		
6,200.00	5,466.08	5,491.65	5,490.68	53.59	19.37	118.80	-2,121.19	2,063.56	3,423.00	3,356.42	66.59	51.405		
6,300.00	5,548.90	5,571.76	5,570.76	54.73	19.65	119.49	-2,119.48	2,063.15	3,452.01	3,384.45	67.55	51.101		
6,400.00	5,631.71	5,651.39	5,650.38	55.87	19.93	120.16	-2,117.88	2,062.97	3,481.74	3,413.24	68.50	50.828		
6,500.00	5,714.52	5,730.56	5,729.53	57.02	20.20	120.83	-2,116.37	2,062.83	3,512.18	3,442.74	69.43	50.584		
6,600.00	5,797.34	5,809.50	5,808.46	58.16	20.48	121.48	-2,114.97	2,062.71	3,543.33	3,472.98	70.35	50.367		
6,700.00	5,880.15	5,892.38	5,891.32	59.30	20.76	122.15	-2,113.55	2,062.59	3,575.12	3,503.85	71.27	50.162		
6,800.00	5,962.96	5,974.03	5,972.97	60.45	21.05	122.81	-2,112.17	2,062.49	3,607.50	3,535.33	72.18	49.982		
6,900.00	6,045.78	6,052.50	6,051.42	61.59	21.32	123.43	-2,110.90	2,062.37	3,640.50	3,567.45	73.05	49.833		
7,000.00	6,128.59	6,134.75	6,133.67	62.73	21.61	124.07	-2,109.69	2,062.27	3,674.16	3,600.22	73.94	49.693		
7,100.00	6,211.41	6,226.09	6,224.99	63.88	21.93	124.77	-2,108.21	2,062.11	3,708.23	3,633.38	74.85	49.542		
7,200.00	6,294.22	6,313.54	6,312.43	65.02	22.24	125.44	-2,106.59	2,061.91	3,742.62	3,666.88	75.73	49.418		
7,300.00	6,377.03	6,379.71	6,378.59	66.17	22.47	125.93	-2,105.51	2,061.80	3,777.70	3,701.19	76.51	49.375		
7,400.00	6,459.85	6,456.10	6,454.98	67.31	22.73	126.49	-2,104.56	2,061.72	3,813.56	3,736.23	77.32	49.319		
7,500.00	6,542.66	6,537.35	6,536.22	68.46	23.02	127.08	-2,103.60	2,061.60	3,849.95	3,771.80	78.15	49.264		
7,600.00	6,625.48	6,617.91	6,616.77	69.60	23.30	127.66	-2,102.68	2,061.46	3,886.83	3,807.87	78.96	49.223		
7,700.00	6,708.29	6,694.93	6,693.79	70.75	23.57	128.20	-2,101.90	2,061.33	3,924.26	3,844.51	79.75	49.207		
7,800.00	6,791.10	6,774.35	6,773.20	71.89	23.85	128.75	-2,101.24	2,061.39	3,962.22	3,881.68	80.54	49.196		
7,900.00	6,873.92	6,874.24	6,873.09	73.04	24.19	129.42	-2,100.43	2,061.97	4,000.52	3,919.10	81.42	49.134		
8,000.00	6,956.73	6,965.49	6,964.33	74.18	24.50	130.02	-2,099.34	2,062.72	4,038.84	3,956.59	82.25	49.103		
8,100.00	7,039.54	7,053.23	7,052.06	75.33	24.80	130.59	-2,098.24	2,063.50	4,077.48	3,994.42	83.06	49.091		
8,165.32	7,093.63	7,111.57	7,110.39	76.08	25.00	130.96	-2,097.45	2,064.07	4,102.86	4,019.27	83.59	49.084		
8,200.00	7,122.60	7,141.39	7,140.21	76.47	25.10	125.99	-2,097.04	2,064.37	4,115.44	4,031.58	83.87	49.072		
8,250.00	7,165.05	7,185.62	7,184.43	77.01	25.26	118.22	-2,096.41	2,064.82	4,130.28	4,046.01	84.27	49.010		
8,300.00	7,208.03	7,233.68	7,232.48	77.52	25.42	109.96	-2,095.71	2,065.31	4,141.13	4,056.43	84.71	48.888		
8,350.00	7,251.22	7,283.53	7,282.33	77.99	25.59	101.56	-2,094.91	2,065.88	4,147.90	4,062.75	85.15	48.715		
8,400.00	7,294.28	7,340.12	7,338.90	78.41	25.79	93.48	-2,093.90	2,066.59	4,150.51	4,064.90	85.61	48.479		
8,450.00	7,336.90	7,399.46	7,398.22	78.78	25.99	86.11	-2,092.65	2,067.47	4,148.91	4,062.82	86.09	48.194		
8,500.00	7,378.73	7,433.43	7,432.18	79.10	26.11	79.49	-2,091.90	2,067.99	4,143.24	4,056.81	86.42	47.941		
8,550.00	7,419.47	7,466.21	7,464.95	79.37	26.22	73.91	-2,091.23	2,068.46	4,133.67	4,046.94	86.74	47.657		
8,600.00	7,458.81	7,497.80	7,496.53	79.59	26.33	69.37	-2,090.63	2,068.87	4,120.31	4,033.27	87.03	47.343		
8,650.00	7,496.44	7,532.97	7,531.69	79.76	26.45	65.85	-2,090.00	2,069.29	4,103.21	4,015.88	87.32	46.988		
8,700.00	7,532.08	7,566.51	7,565.23	79.88	26.56	63.25	-2,089.40	2,069.63	4,082.49	3,994.90	87.59	46.608		
8,750.00	7,565.46	7,597.77	7,596.48	79.95	26.67	61.47	-2,088.83	2,069.90	4,058.31	3,970.48	87.83	46.206		
8,800.00	7,596.33	7,626.10	7,624.80	79.98	26.77	60.47	-2,088.33	2,070.12	4,030.84	3,942.80	88.04	45.785		
8,850.00	7,624.44	7,651.80	7,650.50	79.97	26.86	60.23	-2,087.88	2,070.32	4,000.30	3,912.08	88.22	45.345		
8,900.00	7,649.59	7,674.73	7,673.42	79.93	26.94	60.75	-2,087.49	2,070.50	3,966.90	3,878.53	88.37	44.889		
8,950.00	7,671.59	7,694.69	7,693.38	79.84	27.01	62.09	-2,087.16	2,070.65	3,930.88	3,842.39	88.50	44.419		
9,000.00	7,690.26	7,716.43	7,715.12	79.73	27.08	64.43	-2,086.81	2,070.83	3,892.49	3,803.87	88.62	43.922		
9,050.00	7,705.47	7,735.65	7,734.33	79.59	27.15	67.90	-2,086.47	2,071.00	3,851.99	3,763.26	88.73	43.413		
9,100.00	7,717.09	7,793.16	7,791.49	79.43	27.97	79.07	-2,075.88	2,076.09	3,809.49	3,719.62	89.88	42.386		
9,150.00	7,725.04	7,981.51	7,979.81	79.26	28.00	86.34	-2,075.30	2,076.42	3,765.33	3,675.40	89.93	41.870		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - ABND VERT HELEN E UNIT 2 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,982.92	7,981.22	79.06	28.01	95.29	-2,075.20	2,076.48	3,720.20	3,630.25	89.95	41.358		
9,231.13	7,730.00	7,980.33	7,978.64	78.93	28.00	101.66	-2,075.38	2,076.37	3,691.75	3,601.80	89.95	41.042		
9,300.00	7,730.00	7,971.76	7,970.10	78.65	27.97	101.33	-2,075.98	2,076.03	3,628.69	3,538.76	89.93	40.349		
9,400.00	7,730.00	7,959.56	7,957.94	78.26	27.93	100.87	-2,076.83	2,075.57	3,537.50	3,447.59	89.91	39.345		
9,500.00	7,730.00	9,500.00	7,845.69	77.89	33.27	96.50	-2,083.14	2,072.58	3,446.55	3,351.44	95.12	36.234		
9,600.00	7,730.00	9,600.00	7,841.33	77.53	33.62	96.33	-2,083.33	2,072.49	3,356.17	3,260.68	95.48	35.150		
9,700.00	7,730.00	7,752.00	7,750.68	77.19	27.21	92.76	-2,086.16	2,071.15	3,266.28	3,177.42	88.86	36.758		
9,800.00	7,730.00	7,749.59	7,748.27	76.88	27.20	92.66	-2,086.21	2,071.13	3,176.97	3,088.11	88.86	35.754		
9,900.00	7,730.00	7,747.23	7,745.91	76.58	27.19	92.57	-2,086.25	2,071.10	3,088.31	2,999.45	88.86	34.756		
10,000.00	7,730.00	7,744.89	7,743.57	76.30	27.18	92.48	-2,086.30	2,071.08	3,000.36	2,911.50	88.86	33.766		
10,100.00	7,730.00	7,742.59	7,741.27	76.04	27.18	92.38	-2,086.34	2,071.06	2,913.18	2,824.33	88.86	32.785		
10,200.00	7,730.00	7,740.31	7,739.00	75.79	27.17	92.29	-2,086.38	2,071.04	2,826.86	2,738.00	88.86	31.813		
10,300.00	7,730.00	7,738.07	7,736.76	75.57	27.16	92.21	-2,086.42	2,071.02	2,741.46	2,652.60	88.86	30.851		
10,400.00	7,730.00	7,735.86	7,734.55	75.36	27.15	92.12	-2,086.46	2,071.00	2,657.08	2,568.22	88.87	29.900		
10,500.00	7,730.00	7,733.68	7,732.37	75.18	27.14	92.03	-2,086.50	2,070.98	2,573.82	2,484.95	88.87	28.962		
10,600.00	7,730.00	7,731.53	7,730.22	75.01	27.14	91.95	-2,086.54	2,070.96	2,491.79	2,402.91	88.88	28.037		
10,700.00	7,730.00	7,729.41	7,728.09	74.86	27.13	91.86	-2,086.58	2,070.94	2,411.11	2,322.23	88.88	27.127		
10,800.00	7,730.00	7,727.31	7,726.00	74.74	27.12	91.78	-2,086.62	2,070.92	2,331.93	2,243.04	88.89	26.233		
10,900.00	7,730.00	7,725.25	7,723.93	74.64	27.12	91.70	-2,086.65	2,070.90	2,254.41	2,165.50	88.90	25.358		
11,000.00	7,730.00	7,723.21	7,721.89	74.56	27.11	91.62	-2,086.69	2,070.89	2,178.71	2,089.80	88.91	24.504		
11,100.00	7,730.00	7,721.19	7,719.88	74.51	27.10	91.54	-2,086.72	2,070.87	2,105.04	2,016.12	88.92	23.672		
11,200.00	7,730.00	7,719.20	7,717.89	74.48	27.09	91.46	-2,086.76	2,070.85	2,033.62	1,944.68	88.94	22.866		
11,300.00	7,730.00	7,717.24	7,715.93	74.48	27.09	91.38	-2,086.79	2,070.84	1,964.69	1,875.74	88.95	22.088		
11,400.00	7,730.00	7,715.30	7,713.99	74.50	27.08	91.31	-2,086.82	2,070.82	1,898.53	1,809.57	88.96	21.341		
11,500.00	7,730.00	7,713.39	7,712.08	74.56	27.07	91.23	-2,086.86	2,070.80	1,835.43	1,746.46	88.98	20.628		
11,600.00	7,730.00	7,711.50	7,710.19	74.66	27.07	91.16	-2,086.89	2,070.79	1,775.73	1,686.73	88.99	19.953		
11,700.00	7,730.00	7,709.63	7,708.32	74.79	27.06	91.08	-2,086.92	2,070.77	1,719.76	1,630.76	89.01	19.321		
11,800.00	7,730.00	7,707.79	7,706.48	74.96	27.05	91.01	-2,086.95	2,070.76	1,667.92	1,578.90	89.02	18.736		
11,900.00	7,730.00	7,705.97	7,704.66	75.17	27.05	90.94	-2,086.98	2,070.74	1,620.60	1,531.56	89.04	18.202		
12,000.00	7,730.00	7,704.17	7,702.86	75.43	27.04	90.87	-2,087.01	2,070.73	1,578.20	1,489.15	89.05	17.723		
12,100.00	7,730.00	7,702.39	7,701.08	75.73	27.04	90.79	-2,087.04	2,070.71	1,541.12	1,452.07	89.06	17.305		
12,200.00	7,730.00	7,700.64	7,699.33	76.09	27.03	90.73	-2,087.07	2,070.70	1,509.77	1,420.71	89.06	16.951		
12,300.00	7,730.00	7,698.98	7,697.67	76.51	27.02	90.66	-2,087.09	2,070.69	1,484.51	1,395.44	89.07	16.667		
12,400.00	7,730.00	7,697.36	7,696.06	76.97	27.02	90.60	-2,087.12	2,070.67	1,465.64	1,376.57	89.07	16.455		
12,500.00	7,730.00	7,695.74	7,694.43	77.50	27.01	90.53	-2,087.15	2,070.66	1,453.42	1,364.35	89.07	16.318		
12,600.00	7,730.00	7,694.11	7,692.80	78.09	27.01	90.47	-2,087.17	2,070.65	1,448.02	1,358.96	89.06	16.259		
12,628.37	7,730.00	7,693.65	7,692.34	78.27	27.01	90.45	-2,087.18	2,070.64	1,447.74	1,358.68	89.06	16.256 CC, ES, SF		
12,700.00	7,730.00	7,692.48	7,691.17	78.74	27.00	90.40	-2,087.20	2,070.64	1,449.52	1,360.47	89.05	16.277		
12,800.00	7,730.00	7,690.83	7,689.53	79.45	27.00	90.34	-2,087.23	2,070.62	1,457.88	1,368.84	89.04	16.374		
12,900.00	7,730.00	7,689.19	7,687.88	80.22	26.99	90.27	-2,087.25	2,070.61	1,473.00	1,383.98	89.02	16.547		
13,000.00	7,730.00	7,687.53	7,686.22	81.05	26.98	90.21	-2,087.28	2,070.60	1,494.67	1,405.67	89.00	16.794		
13,100.00	7,730.00	7,685.87	7,684.56	81.94	26.98	90.14	-2,087.31	2,070.58	1,522.61	1,433.63	88.98	17.112		
13,200.00	7,730.00	7,684.20	7,682.89	82.87	26.97	90.07	-2,087.34	2,070.57	1,556.48	1,467.53	88.96	17.497		
13,300.00	7,730.00	7,682.52	7,681.22	83.86	26.97	90.01	-2,087.36	2,070.56	1,595.91	1,506.98	88.94	17.944		
13,400.00	7,730.00	7,680.84	7,679.53	84.90	26.96	89.94	-2,087.39	2,070.54	1,640.50	1,551.58	88.92	18.449		
13,500.00	7,730.00	7,679.15	7,677.85	85.97	26.96	89.88	-2,087.42	2,070.53	1,689.82	1,600.92	88.90	19.008		
13,600.00	7,730.00	7,677.45	7,676.15	87.09	26.95	89.81	-2,087.45	2,070.52	1,743.50	1,654.61	88.89	19.615		
13,700.00	7,730.00	7,675.75	7,674.45	88.25	26.94	89.74	-2,087.48	2,070.50	1,801.13	1,712.25	88.87	20.266		
13,800.00	7,730.00	7,674.04	7,672.74	89.44	26.94	89.67	-2,087.50	2,070.49	1,862.34	1,773.48	88.86	20.958		
13,900.00	7,730.00	7,672.32	7,671.02	90.66	26.93	89.61	-2,087.53	2,070.48	1,926.81	1,837.95	88.85	21.685		
14,000.00	7,730.00	7,670.60	7,669.30	91.92	26.93	89.54	-2,087.56	2,070.46	1,994.20	1,905.35	88.85	22.445		
14,100.00	7,730.00	7,668.87	7,667.56	93.20	26.92	89.47	-2,087.59	2,070.45	2,064.24	1,975.40	88.84	23.235		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,667.13	7,665.83	94.50	26.91	89.40	-2,087.62	2,070.44	2,136.66	2,047.82	88.84	24.050		
14,300.00	7,730.00	7,665.38	7,664.08	95.83	26.91	89.33	-2,087.65	2,070.42	2,211.23	2,122.39	88.84	24.890		
14,400.00	7,730.00	7,663.63	7,662.33	97.17	26.90	89.26	-2,087.68	2,070.41	2,287.75	2,198.91	88.84	25.751		
14,500.00	7,730.00	7,661.87	7,660.57	98.54	26.90	89.19	-2,087.71	2,070.39	2,366.01	2,277.17	88.85	26.631		
14,600.00	7,730.00	7,660.10	7,658.80	99.92	26.89	89.12	-2,087.74	2,070.38	2,445.86	2,357.01	88.85	27.528		
14,700.00	7,730.00	7,658.33	7,657.03	101.32	26.88	89.05	-2,087.77	2,070.37	2,527.14	2,438.28	88.86	28.440		
14,800.00	7,730.00	7,656.55	7,655.24	102.74	26.88	88.98	-2,087.80	2,070.35	2,609.72	2,520.86	88.87	29.367		
14,900.00	7,730.00	7,654.76	7,653.45	104.17	26.87	88.91	-2,087.83	2,070.34	2,693.48	2,604.61	88.87	30.307		
15,000.00	7,730.00	7,652.96	7,651.66	105.62	26.86	88.84	-2,087.86	2,070.32	2,778.32	2,689.43	88.88	31.258		
15,100.00	7,730.00	7,651.15	7,649.85	107.07	26.86	88.77	-2,087.89	2,070.31	2,864.13	2,775.23	88.90	32.219		
15,200.00	7,730.00	7,649.34	7,648.04	108.54	26.85	88.70	-2,087.92	2,070.30	2,950.83	2,861.93	88.91	33.190		
15,300.00	7,730.00	7,647.52	7,646.22	110.02	26.85	88.62	-2,087.95	2,070.28	3,038.35	2,949.43	88.92	34.169		
15,400.00	7,730.00	7,645.69	7,644.39	111.51	26.84	88.55	-2,087.98	2,070.27	3,126.62	3,037.69	88.93	35.156		
15,500.00	7,730.00	7,643.86	7,642.56	113.01	26.83	88.48	-2,088.02	2,070.25	3,215.57	3,126.63	88.95	36.151		
15,600.00	7,730.00	7,642.01	7,640.71	114.52	26.83	88.41	-2,088.05	2,070.24	3,305.16	3,216.19	88.96	37.151		
15,700.00	7,730.00	7,640.16	7,638.86	116.04	26.82	88.33	-2,088.08	2,070.22	3,395.32	3,306.34	88.98	38.158		
15,800.00	7,730.00	7,638.30	7,637.00	117.56	26.81	88.26	-2,088.11	2,070.21	3,486.03	3,397.03	89.00	39.170		
15,900.00	7,730.00	7,636.43	7,635.14	119.09	26.81	88.19	-2,088.15	2,070.20	3,577.22	3,488.21	89.02	40.186		
16,000.00	7,730.00	7,634.56	7,633.26	120.63	26.80	88.11	-2,088.18	2,070.18	3,668.87	3,579.84	89.03	41.208		
16,100.00	7,730.00	7,632.67	7,631.38	122.18	26.79	88.04	-2,088.21	2,070.17	3,760.95	3,671.90	89.05	42.233		
16,200.00	7,730.00	7,630.78	7,629.49	123.73	26.79	87.96	-2,088.24	2,070.15	3,853.42	3,764.35	89.07	43.262		
16,300.00	7,730.00	7,628.88	7,627.59	125.29	26.78	87.89	-2,088.28	2,070.14	3,946.26	3,857.17	89.09	44.294		
16,400.00	7,730.00	7,626.98	7,625.68	126.86	26.77	87.81	-2,088.31	2,070.12	4,039.44	3,950.33	89.11	45.330		
16,500.00	7,730.00	7,625.06	7,623.76	128.43	26.77	87.74	-2,088.34	2,070.11	4,132.94	4,043.81	89.13	46.368		
16,600.00	7,730.00	7,623.13	7,621.84	130.01	26.76	87.66	-2,088.38	2,070.09	4,226.73	4,137.58	89.16	47.409		
16,700.00	7,730.00	7,621.20	7,619.91	131.59	26.75	87.58	-2,088.41	2,070.08	4,320.81	4,231.63	89.18	48.452		
16,800.00	7,730.00	7,619.26	7,617.97	133.18	26.75	87.51	-2,088.45	2,070.06	4,415.14	4,325.94	89.20	49.497		
16,900.00	7,730.00	7,617.31	7,616.02	134.77	26.74	87.43	-2,088.48	2,070.05	4,509.71	4,420.49	89.22	50.544		
17,000.00	7,730.00	7,615.35	7,614.06	136.37	26.73	87.35	-2,088.52	2,070.03	4,604.52	4,515.27	89.25	51.593		
17,100.00	7,730.00	7,613.38	7,612.09	137.97	26.73	87.28	-2,088.55	2,070.02	4,699.54	4,610.26	89.27	52.643		
17,200.00	7,730.00	7,611.41	7,610.12	139.57	26.72	87.20	-2,088.59	2,070.00	4,794.76	4,705.46	89.30	53.695		
17,300.00	7,730.00	7,609.42	7,608.13	141.18	26.71	87.12	-2,088.62	2,069.99	4,890.17	4,800.85	89.32	54.748		
17,400.00	7,730.00	7,607.43	7,606.14	142.79	26.71	87.04	-2,088.66	2,069.97	4,985.76	4,896.41	89.35	55.803		
17,500.00	7,730.00	7,605.43	7,604.14	144.41	26.70	86.96	-2,088.69	2,069.96	5,081.51	4,992.14	89.37	56.858		
17,600.00	7,730.00	7,603.42	7,602.13	146.03	26.69	86.88	-2,088.73	2,069.94	5,177.43	5,088.03	89.40	57.914		
17,700.00	7,730.00	7,601.40	7,600.11	147.65	26.69	86.80	-2,088.77	2,069.92	5,273.50	5,184.08	89.42	58.971		
17,800.00	7,730.00	7,599.48	7,598.19	149.28	26.68	86.73	-2,088.80	2,069.91	5,369.71	5,280.26	89.45	60.029		
17,900.00	7,730.00	7,597.80	7,596.51	150.91	26.67	86.66	-2,088.83	2,069.90	5,466.06	5,376.58	89.48	61.087		
18,000.00	7,730.00	7,596.12	7,594.83	152.54	26.67	86.60	-2,088.86	2,069.88	5,562.54	5,473.03	89.51	62.145		
18,100.00	7,730.00	7,594.45	7,593.15	154.18	26.66	86.53	-2,088.89	2,069.87	5,659.13	5,569.60	89.54	63.204		
18,200.00	7,730.00	7,592.77	7,591.48	155.82	26.66	86.46	-2,088.92	2,069.86	5,755.85	5,666.28	89.57	64.263		
18,300.00	7,730.00	7,591.09	7,589.80	157.46	26.65	86.40	-2,088.95	2,069.84	5,852.67	5,763.07	89.60	65.322		
18,400.00	7,730.00	7,589.42	7,588.13	159.11	26.64	86.33	-2,088.98	2,069.83	5,949.60	5,859.97	89.63	66.381		
18,500.00	7,730.00	7,587.74	7,586.46	160.75	26.64	86.27	-2,089.02	2,069.82	6,046.63	5,956.97	89.66	67.441		
18,600.00	7,730.00	7,586.07	7,584.78	162.40	26.63	86.20	-2,089.05	2,069.80	6,143.75	6,054.06	89.69	68.500		
18,700.00	7,730.00	7,584.40	7,583.11	164.05	26.63	86.13	-2,089.08	2,069.79	6,240.96	6,151.24	89.72	69.560		
18,800.00	7,730.00	7,582.73	7,581.44	165.71	26.62	86.07	-2,089.11	2,069.77	6,338.26	6,248.51	89.75	70.619		
18,900.00	7,730.00	7,581.06	7,579.77	167.36	26.61	86.00	-2,089.14	2,069.76	6,435.64	6,345.86	89.79	71.678		
18,942.39	7,730.00	7,580.35	7,579.06	168.07	26.61	85.97	-2,089.15	2,069.75	6,476.95	6,387.15	89.80	72.127		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 95-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	70.07	764.73	2,108.63	2,243.40					
100.00	100.00	81.71	81.70	0.13	0.13	70.06	764.70	2,108.21	2,242.72	2,242.46	0.26	8,481.714		
200.00	200.00	232.87	232.83	0.49	0.65	70.02	765.36	2,104.85	2,240.90	2,239.75	1.14	1,961.243		
300.00	300.00	483.84	482.86	0.85	1.60	69.72	770.35	2,084.76	2,233.78	2,231.34	2.44	915.634		
400.00	400.00	631.45	628.79	1.21	2.21	69.34	778.16	2,064.14	2,222.39	2,219.03	3.36	661.100		
500.00	500.00	736.42	731.91	1.57	2.68	68.96	787.56	2,046.92	2,210.11	2,205.97	4.14	533.764		
600.00	600.00	820.30	813.94	1.93	3.08	68.58	797.43	2,032.49	2,198.16	2,193.30	4.86	452.589		
700.00	700.00	899.57	891.15	2.29	3.47	68.16	808.86	2,018.66	2,187.04	2,181.46	5.57	392.344		
800.00	800.00	975.64	964.95	2.64	3.85	67.72	821.66	2,005.42	2,176.98	2,170.68	6.30	345.677		
900.00	899.98	1,085.08	1,070.65	3.00	4.42	7.46	842.46	1,986.13	2,166.05	2,158.84	7.21	300.517		
1,000.00	999.84	1,177.84	1,160.23	3.35	4.92	6.92	859.57	1,969.19	2,151.14	2,143.09	8.04	267.431		
1,100.00	1,099.45	1,275.28	1,254.53	3.71	5.44	6.36	877.01	1,951.92	2,133.32	2,124.41	8.91	239.441		
1,200.00	1,198.70	1,376.74	1,352.11	4.08	6.01	5.72	897.15	1,932.84	2,112.12	2,102.30	9.82	215.001		
1,300.00	1,297.47	1,469.21	1,440.60	4.47	6.55	5.08	916.94	1,914.69	2,087.70	2,076.98	10.71	194.842		
1,400.00	1,395.62	1,558.97	1,526.33	4.87	7.09	4.43	936.74	1,896.91	2,060.33	2,048.72	11.60	177.545		
1,500.00	1,493.06	1,642.04	1,605.74	5.31	7.58	3.82	955.01	1,880.73	2,030.20	2,017.74	12.46	162.944		
1,600.00	1,589.64	1,734.79	1,694.59	5.77	8.13	3.13	974.94	1,863.14	1,997.31	1,983.94	13.37	149.388		
1,700.00	1,685.27	1,826.01	1,782.07	6.28	8.67	2.43	994.19	1,845.86	1,961.30	1,947.03	14.27	137.409		
1,800.00	1,779.82	1,918.17	1,870.46	6.83	9.22	1.68	1,013.53	1,828.38	1,922.31	1,907.12	15.19	126.579		
1,900.00	1,873.17	2,000.73	1,949.73	7.43	9.70	0.98	1,030.56	1,812.83	1,880.38	1,864.34	16.04	117.200		
2,000.00	1,965.21	2,095.65	2,041.24	8.08	10.25	0.15	1,049.08	1,795.71	1,835.76	1,818.79	16.96	108.212		
2,100.00	2,055.84	2,193.77	2,135.61	8.79	10.82	-0.80	1,068.35	1,776.97	1,787.57	1,769.66	17.91	99.809		
2,200.00	2,144.94	2,279.18	2,217.51	9.56	11.33	-1.76	1,085.58	1,759.95	1,736.31	1,717.51	18.80	92.345		
2,300.00	2,232.39	2,359.22	2,294.24	10.39	11.81	-2.75	1,101.79	1,743.94	1,682.42	1,662.74	19.67	85.516		
2,400.00	2,318.11	2,436.09	2,368.05	11.30	12.27	-3.80	1,117.01	1,728.82	1,626.02	1,605.49	20.53	79.197		
2,504.60	2,405.78	2,511.48	2,440.54	12.31	12.72	-4.95	1,131.81	1,714.29	1,564.60	1,543.19	21.41	73.086		
2,600.00	2,484.79	2,575.14	2,501.71	13.28	13.09	-5.91	1,144.58	1,702.18	1,507.90	1,485.70	22.19	67.941		
2,700.00	2,567.60	2,643.80	2,567.63	14.32	13.50	-7.02	1,158.83	1,689.27	1,449.36	1,426.31	23.05	62.888		
2,800.00	2,650.41	2,712.99	2,634.07	15.37	13.91	-8.21	1,173.35	1,676.54	1,391.72	1,367.80	23.93	58.168		
2,900.00	2,733.23	2,779.64	2,698.19	16.44	14.30	-9.42	1,187.31	1,664.87	1,335.21	1,310.39	24.82	53.806		
3,000.00	2,816.04	2,861.31	2,776.88	17.52	14.77	-10.98	1,204.24	1,651.02	1,279.60	1,253.80	25.80	49.596		
3,100.00	2,898.85	2,945.02	2,857.54	18.60	15.25	-12.71	1,221.29	1,636.52	1,224.31	1,197.48	26.83	45.635		
3,200.00	2,981.67	3,022.01	2,931.85	19.69	15.69	-14.41	1,236.45	1,623.27	1,169.59	1,141.72	27.86	41.979		
3,300.00	3,064.48	3,098.76	3,006.09	20.79	16.12	-16.20	1,251.24	1,610.65	1,115.99	1,087.06	28.94	38.565		
3,400.00	3,147.30	3,184.83	3,089.12	21.90	16.61	-18.44	1,268.15	1,595.56	1,063.06	1,032.94	30.12	35.290		
3,500.00	3,230.11	3,258.65	3,160.07	23.00	17.05	-20.59	1,283.21	1,581.82	1,011.27	979.91	31.36	32.250		
3,600.00	3,312.92	3,340.24	3,238.46	24.12	17.54	-23.17	1,299.81	1,566.45	960.88	928.17	32.71	29.372		
3,700.00	3,395.74	3,416.26	3,311.68	25.23	17.98	-25.74	1,314.68	1,552.43	912.00	877.87	34.13	26.720		
3,800.00	3,478.55	3,490.17	3,382.86	26.35	18.42	-28.45	1,329.27	1,538.88	865.34	829.69	35.65	24.274		
3,900.00	3,561.36	3,564.04	3,453.72	27.47	18.86	-31.43	1,344.58	1,524.70	821.40	784.10	37.30	22.023		
4,000.00	3,644.18	3,642.53	3,529.02	28.59	19.33	-34.83	1,360.81	1,509.61	780.35	741.24	39.11	19.954		
4,100.00	3,726.99	3,719.19	3,602.77	29.72	19.78	-38.35	1,376.24	1,495.45	742.55	701.55	41.00	18.112		
4,200.00	3,809.81	3,794.44	3,675.26	30.85	20.22	-42.00	1,391.23	1,481.98	708.60	665.64	42.96	16.494		
4,300.00	3,892.62	3,869.21	3,747.18	31.98	20.66	-45.86	1,406.45	1,468.29	679.26	634.26	44.99	15.097		
4,400.00	3,975.43	3,944.88	3,819.90	33.11	21.11	-49.99	1,422.04	1,454.33	655.11	608.06	47.05	13.924		
4,500.00	4,058.25	4,022.62	3,894.61	34.24	21.57	-54.39	1,438.02	1,440.00	636.57	587.48	49.09	12.967		
4,600.00	4,141.06	4,105.39	3,974.34	35.37	22.05	-59.20	1,454.56	1,425.11	623.65	572.56	51.09	12.206		
4,700.00	4,223.87	4,180.59	4,046.84	36.50	22.49	-63.66	1,469.27	1,411.65	616.84	564.01	52.83	11.676		
4,748.86	4,264.34	4,217.16	4,082.06	37.06	22.70	-65.85	1,476.48	1,404.91	616.01	562.41	53.60	11.493 CC, ES		
4,800.00	4,306.69	4,256.03	4,119.46	37.64	22.93	-68.18	1,484.15	1,397.65	616.90	562.54	54.36	11.348		
4,900.00	4,389.50	4,334.67	4,195.12	38.77	23.39	-72.90	1,499.55	1,382.73	623.71	567.98	55.73	11.192		
5,000.00	4,472.32	4,413.71	4,271.31	39.91	23.85	-77.56	1,514.45	1,367.85	636.51	579.62	56.89	11.188 SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 0-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 95-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,484.50	4,339.51	41.05	24.26	-81.56	1,528.35	1,354.98	655.79	598.07	57.72	11.361		
5,200.00	4,637.94	4,558.67	4,410.87	42.18	24.70	-85.58	1,543.29	1,341.33	681.06	622.57	58.48	11.645		
5,300.00	4,720.76	4,642.30	4,491.33	43.32	25.19	-89.95	1,559.48	1,325.25	711.25	651.93	59.33	11.989		
5,400.00	4,803.57	4,752.98	4,598.57	44.46	25.80	-95.33	1,578.72	1,305.87	743.99	683.42	60.57	12.283		
5,500.00	4,886.39	4,860.58	4,703.99	45.60	26.33	-100.14	1,593.86	1,290.58	776.76	715.15	61.62	12.606		
5,600.00	4,969.20	4,957.32	4,799.30	46.74	26.76	-104.17	1,605.32	1,278.63	810.76	748.35	62.42	12.990		
5,700.00	5,052.01	5,047.64	4,888.54	47.88	27.15	-107.66	1,615.29	1,268.88	846.45	783.35	63.09	13.416		
5,800.00	5,134.83	5,170.63	5,010.55	49.02	27.62	-112.04	1,626.58	1,258.48	882.46	818.41	64.05	13.778		
5,900.00	5,217.64	5,290.68	5,130.25	50.16	28.01	-116.04	1,633.53	1,252.62	916.89	852.07	64.81	14.146		
6,000.00	5,300.45	5,400.95	5,240.44	51.30	28.32	-119.51	1,636.66	1,249.85	950.80	885.41	65.39	14.540		
6,100.00	5,383.27	5,501.19	5,340.67	52.45	28.56	-122.53	1,637.28	1,249.08	984.78	918.93	65.84	14.957		
6,200.00	5,466.08	5,590.44	5,429.91	53.59	28.76	-125.08	1,637.12	1,249.25	1,019.78	953.57	66.21	15.402		
6,300.00	5,548.90	5,673.17	5,512.65	54.73	28.94	-127.29	1,637.15	1,249.73	1,056.35	989.80	66.55	15.874		
6,400.00	5,631.71	5,754.00	5,593.47	55.87	29.12	-129.34	1,637.01	1,249.97	1,094.69	1,027.84	66.85	16.375		
6,500.00	5,714.52	5,834.89	5,674.36	57.02	29.30	-131.28	1,636.90	1,250.10	1,134.63	1,067.49	67.15	16.898		
6,600.00	5,797.34	5,914.51	5,753.99	58.16	29.49	-133.09	1,636.85	1,250.04	1,176.07	1,108.64	67.43	17.440		
6,700.00	5,880.15	5,993.21	5,832.68	59.30	29.68	-134.76	1,637.04	1,249.78	1,218.94	1,151.21	67.73	17.998		
6,800.00	5,962.96	6,082.49	5,921.97	60.45	29.90	-136.54	1,637.42	1,249.57	1,262.80	1,194.71	68.09	18.547		
6,900.00	6,045.78	6,161.96	6,001.43	61.59	30.10	-138.03	1,637.81	1,249.55	1,307.42	1,239.02	68.40	19.115		
7,000.00	6,128.59	6,251.33	6,090.80	62.73	30.33	-139.59	1,638.59	1,249.51	1,352.93	1,284.15	68.78	19.670		
7,100.00	6,211.41	6,338.53	6,177.99	63.88	30.55	-141.01	1,639.54	1,249.99	1,398.68	1,329.51	69.17	20.221		
7,200.00	6,294.22	6,422.38	6,261.83	65.02	30.77	-142.30	1,640.52	1,250.52	1,445.03	1,375.48	69.55	20.778		
7,300.00	6,377.03	6,518.67	6,358.11	66.17	31.01	-143.68	1,641.60	1,251.36	1,491.80	1,421.79	70.01	21.307		
7,400.00	6,459.85	6,605.30	6,444.70	67.31	31.23	-144.82	1,643.49	1,253.04	1,538.18	1,467.74	70.45	21.834		
7,500.00	6,542.66	6,677.15	6,516.55	68.46	31.41	-145.75	1,644.18	1,253.91	1,585.66	1,514.89	70.77	22.404		
7,600.00	6,625.48	6,762.76	6,602.14	69.60	31.64	-146.78	1,645.58	1,254.70	1,633.82	1,562.61	71.21	22.943		
7,700.00	6,708.29	6,858.91	6,698.27	70.75	31.88	-147.89	1,646.39	1,256.09	1,681.98	1,610.26	71.72	23.452		
7,800.00	6,791.10	6,954.66	6,794.00	71.89	32.11	-148.98	1,646.35	1,258.19	1,729.95	1,657.74	72.20	23.960		
7,900.00	6,873.92	6,991.39	6,830.73	73.04	32.21	-149.37	1,646.43	1,258.41	1,779.32	1,707.02	72.31	24.608		
8,000.00	6,956.73	7,035.00	6,874.34	74.18	32.33	-149.82	1,646.65	1,257.87	1,830.81	1,758.38	72.43	25.277		
8,100.00	7,039.54	7,145.23	6,984.54	75.33	32.64	-150.88	1,647.63	1,256.19	1,882.78	1,809.65	73.13	25.747		
8,165.32	7,093.63	7,203.57	7,042.88	76.08	32.80	-151.42	1,648.09	1,255.78	1,916.45	1,842.98	73.47	26.085		
8,200.00	7,122.60	7,234.82	7,074.13	76.47	32.88	-158.58	1,648.25	1,255.62	1,934.35	1,860.70	73.66	26.261		
8,250.00	7,165.05	7,279.94	7,119.25	77.01	33.01	-169.46	1,648.50	1,255.45	1,960.13	1,886.18	73.95	26.507		
8,300.00	7,208.03	7,326.58	7,165.89	77.52	33.14	179.23	1,648.80	1,255.33	1,985.64	1,911.38	74.26	26.738		
8,350.00	7,251.22	7,376.67	7,215.99	77.99	33.27	167.91	1,649.03	1,255.37	2,010.64	1,936.02	74.62	26.946		
8,400.00	7,294.28	7,426.84	7,266.15	78.41	33.41	157.03	1,649.10	1,255.59	2,034.91	1,959.93	74.98	27.139		
8,450.00	7,336.90	7,465.28	7,304.59	78.78	33.51	146.89	1,649.14	1,255.75	2,058.48	1,983.21	75.27	27.349		
8,500.00	7,378.73	7,505.65	7,344.95	79.10	33.61	137.80	1,649.17	1,255.90	2,081.25	2,005.66	75.59	27.535		
8,550.00	7,419.47	7,546.33	7,385.64	79.37	33.72	129.88	1,649.14	1,256.05	2,103.11	2,027.19	75.92	27.702		
8,600.00	7,458.81	7,585.75	7,425.06	79.59	33.82	123.07	1,649.01	1,256.19	2,124.00	2,047.74	76.26	27.851		
8,650.00	7,496.44	7,623.85	7,463.16	79.76	33.92	117.28	1,648.80	1,256.34	2,143.86	2,067.25	76.61	27.984		
8,700.00	7,532.08	7,660.12	7,499.43	79.88	34.01	112.39	1,648.64	1,256.49	2,162.66	2,085.69	76.97	28.098		
8,750.00	7,565.46	7,694.05	7,533.36	79.95	34.10	108.27	1,648.51	1,256.63	2,180.39	2,103.05	77.33	28.194		
8,800.00	7,596.33	7,726.91	7,566.22	79.98	34.18	104.81	1,648.38	1,256.78	2,197.05	2,119.33	77.72	28.270		
8,850.00	7,624.44	7,757.21	7,596.52	79.97	34.26	101.91	1,648.18	1,256.94	2,212.63	2,134.53	78.10	28.329		
8,900.00	7,649.59	7,784.56	7,623.86	79.93	34.33	99.46	1,647.95	1,257.12	2,227.16	2,148.66	78.50	28.372		
8,950.00	7,671.59	7,806.31	7,645.61	79.84	34.38	97.33	1,647.74	1,257.27	2,240.65	2,161.77	78.88	28.405		
9,000.00	7,690.26	7,823.73	7,663.03	79.73	34.43	95.50	1,647.57	1,257.37	2,253.15	2,173.89	79.26	28.426		
9,050.00	7,705.47	7,837.97	7,677.27	79.59	34.46	93.96	1,647.44	1,257.45	2,264.66	2,185.01	79.65	28.431		
9,100.00	7,717.09	7,848.93	7,688.23	79.43	34.49	92.66	1,647.34	1,257.50	2,275.18	2,195.12	80.05	28.421		
9,150.00	7,725.04	7,856.55	7,695.85	79.26	34.51	91.59	1,647.27	1,257.53	2,284.68	2,204.23	80.45	28.397		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 95-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,860.78	7,700.08	79.06	34.52	90.73	1,647.23	1,257.55	2,293.15	2,212.29	80.86	28.360		
9,231.13	7,730.00	7,861.69	7,700.99	78.93	34.52	90.30	1,647.22	1,257.55	2,297.89	2,216.78	81.11	28.330		
9,300.00	7,730.00	7,862.24	7,701.54	78.65	34.52	90.32	1,647.22	1,257.55	2,308.92	2,227.25	81.67	28.271		
9,400.00	7,730.00	7,863.03	7,702.32	78.26	34.53	90.34	1,647.21	1,257.56	2,328.47	2,246.00	82.46	28.236		
9,500.00	7,730.00	7,863.81	7,703.11	77.89	34.53	90.36	1,647.21	1,257.56	2,352.11	2,268.87	83.24	28.258		
9,600.00	7,730.00	7,864.60	7,703.90	77.53	34.53	90.38	1,647.20	1,257.56	2,379.72	2,295.74	83.98	28.338		
9,700.00	7,730.00	7,865.38	7,704.68	77.19	34.53	90.40	1,647.19	1,257.57	2,411.17	2,326.48	84.68	28.473		
9,800.00	7,730.00	7,866.16	7,705.46	76.88	34.53	90.41	1,647.19	1,257.57	2,446.30	2,360.94	85.35	28.661		
9,900.00	7,730.00	7,866.94	7,706.23	76.58	34.54	90.43	1,647.18	1,257.57	2,484.96	2,398.97	85.98	28.900		
10,000.00	7,730.00	7,867.71	7,707.01	76.30	34.54	90.45	1,647.17	1,257.57	2,526.99	2,440.41	86.58	29.188		
10,100.00	7,730.00	7,868.48	7,707.78	76.04	34.54	90.47	1,647.17	1,257.58	2,572.22	2,485.09	87.13	29.523		
10,200.00	7,730.00	7,869.25	7,708.55	75.79	34.54	90.49	1,647.16	1,257.58	2,620.49	2,532.85	87.64	29.901		
10,300.00	7,730.00	7,870.02	7,709.31	75.57	34.54	90.51	1,647.15	1,257.58	2,671.63	2,583.51	88.11	30.320		
10,400.00	7,730.00	7,870.78	7,710.08	75.36	34.55	90.53	1,647.15	1,257.59	2,725.48	2,636.93	88.55	30.778		
10,500.00	7,730.00	7,871.54	7,710.84	75.18	34.55	90.55	1,647.14	1,257.59	2,781.88	2,692.93	88.95	31.273		
10,600.00	7,730.00	7,872.30	7,711.60	75.01	34.55	90.57	1,647.13	1,257.59	2,840.69	2,751.36	89.32	31.802		
10,700.00	7,730.00	7,873.06	7,712.36	74.86	34.55	90.59	1,647.13	1,257.59	2,901.75	2,812.09	89.66	32.364		
10,800.00	7,730.00	7,873.81	7,713.11	74.74	34.55	90.61	1,647.12	1,257.60	2,964.92	2,874.95	89.97	32.955		
10,900.00	7,730.00	7,874.57	7,713.86	74.64	34.56	90.63	1,647.11	1,257.60	3,030.08	2,939.83	90.25	33.574		
11,000.00	7,730.00	7,875.32	7,714.61	74.56	34.56	90.65	1,647.11	1,257.60	3,097.10	3,006.59	90.51	34.219		
11,100.00	7,730.00	7,876.06	7,715.36	74.51	34.56	90.66	1,647.10	1,257.60	3,165.86	3,075.12	90.74	34.889		
11,200.00	7,730.00	7,876.81	7,716.10	74.48	34.56	90.68	1,647.09	1,257.61	3,236.25	3,145.30	90.95	35.582		
11,300.00	7,730.00	7,877.55	7,716.85	74.48	34.56	90.70	1,647.09	1,257.61	3,308.16	3,217.02	91.14	36.297		
11,400.00	7,730.00	7,878.29	7,717.59	74.50	34.57	90.72	1,647.08	1,257.61	3,381.50	3,290.19	91.32	37.031		
11,500.00	7,730.00	7,879.03	7,718.33	74.56	34.57	90.74	1,647.08	1,257.61	3,456.18	3,364.71	91.47	37.784		
11,600.00	7,730.00	7,879.76	7,719.06	74.66	34.57	90.76	1,647.07	1,257.62	3,532.11	3,440.50	91.61	38.554		
11,700.00	7,730.00	7,880.50	7,719.79	74.79	34.57	90.78	1,647.06	1,257.62	3,609.21	3,517.47	91.74	39.341		
11,800.00	7,730.00	7,881.23	7,720.53	74.96	34.57	90.79	1,647.06	1,257.62	3,687.42	3,595.56	91.86	40.143		
11,900.00	7,730.00	7,881.96	7,721.25	75.17	34.57	90.81	1,647.05	1,257.62	3,766.65	3,674.69	91.96	40.959		
12,000.00	7,730.00	7,882.68	7,721.98	75.43	34.58	90.83	1,647.04	1,257.62	3,846.85	3,754.80	92.05	41.789		
12,100.00	7,730.00	7,883.41	7,722.70	75.73	34.58	90.85	1,647.04	1,257.63	3,927.96	3,835.83	92.14	42.631		
12,200.00	7,730.00	7,884.13	7,723.43	76.09	34.58	90.87	1,647.03	1,257.63	4,009.93	3,917.72	92.21	43.486		
12,300.00	7,730.00	7,884.85	7,724.15	76.51	34.58	90.89	1,647.03	1,257.63	4,092.69	4,000.41	92.28	44.351		
12,400.00	7,730.00	7,885.57	7,724.86	76.97	34.58	90.90	1,647.02	1,257.63	4,176.21	4,083.87	92.34	45.226		
12,500.00	7,730.00	7,886.28	7,725.58	77.50	34.59	90.92	1,647.01	1,257.64	4,260.44	4,168.05	92.40	46.111		
12,600.00	7,730.00	7,886.99	7,726.29	78.09	34.59	90.94	1,647.01	1,257.64	4,345.34	4,252.90	92.44	47.005		
12,700.00	7,730.00	7,887.70	7,727.00	78.74	34.59	90.96	1,647.00	1,257.64	4,430.87	4,338.38	92.49	47.908		
12,800.00	7,730.00	7,888.41	7,727.71	79.45	34.59	90.98	1,647.00	1,257.64	4,516.99	4,424.47	92.53	48.819		
12,900.00	7,730.00	7,889.15	7,728.45	80.22	34.59	90.99	1,646.99	1,257.64	4,603.67	4,511.11	92.56	49.737		
13,000.00	7,730.00	7,890.04	7,729.33	81.05	34.60	91.02	1,646.98	1,257.65	4,690.89	4,598.30	92.59	50.663		
13,100.00	7,730.00	7,890.93	7,730.23	81.94	34.60	91.04	1,646.98	1,257.65	4,778.60	4,685.98	92.62	51.595		
13,200.00	7,730.00	7,891.83	7,731.12	82.87	34.60	91.06	1,646.97	1,257.65	4,866.79	4,774.15	92.64	52.533		
13,300.00	7,730.00	7,892.73	7,732.02	83.86	34.60	91.08	1,646.96	1,257.65	4,955.42	4,862.76	92.66	53.477		
13,400.00	7,730.00	7,893.63	7,732.93	84.90	34.60	91.11	1,646.95	1,257.66	5,044.49	4,951.80	92.68	54.427		
13,500.00	7,730.00	7,894.54	7,733.84	85.97	34.61	91.13	1,646.95	1,257.66	5,133.95	5,041.25	92.70	55.382		
13,600.00	7,730.00	7,895.45	7,734.75	87.09	34.61	91.15	1,646.94	1,257.66	5,223.79	5,131.08	92.72	56.341		
13,700.00	7,730.00	7,896.37	7,735.67	88.25	34.61	91.18	1,646.93	1,257.66	5,314.00	5,221.27	92.73	57.306		
13,800.00	7,730.00	7,897.29	7,736.59	89.44	34.61	91.20	1,646.92	1,257.67	5,404.56	5,311.81	92.74	58.275		
13,900.00	7,730.00	7,898.21	7,737.51	90.66	34.62	91.22	1,646.91	1,257.67	5,495.44	5,402.68	92.75	59.248		
14,000.00	7,730.00	7,899.14	7,738.44	91.92	34.62	91.25	1,646.91	1,257.67	5,586.63	5,493.86	92.76	60.224		
14,100.00	7,730.00	7,900.08	7,739.37	93.20	34.62	91.27	1,646.90	1,257.67	5,678.12	5,585.34	92.77	61.205		
14,200.00	7,730.00	7,901.02	7,740.31	94.50	34.62	91.29	1,646.89	1,257.68	5,769.89	5,677.11	92.78	62.189		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 0-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 95-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,901.96	7,741.26	95.83	34.63	91.32	1,646.88	1,257.68	5,861.93	5,769.14	92.79	63.176		
14,400.00	7,730.00	7,902.91	7,742.20	97.17	34.63	91.34	1,646.87	1,257.68	5,954.22	5,861.43	92.79	64.166		
14,500.00	7,730.00	7,903.86	7,743.15	98.54	34.63	91.36	1,646.87	1,257.68	6,046.76	5,953.96	92.80	65.159		
14,600.00	7,730.00	7,904.81	7,744.11	99.92	34.63	91.39	1,646.86	1,257.69	6,139.54	6,046.73	92.81	66.154		
14,700.00	7,730.00	7,905.77	7,745.07	101.32	34.64	91.41	1,646.85	1,257.69	6,232.54	6,139.72	92.81	67.152		
14,800.00	7,730.00	7,906.74	7,746.04	102.74	34.64	91.44	1,646.84	1,257.69	6,325.75	6,232.93	92.82	68.153		
14,900.00	7,730.00	7,907.71	7,747.00	104.17	34.64	91.46	1,646.83	1,257.69	6,419.16	6,326.34	92.82	69.155		
15,000.00	7,730.00	7,908.68	7,747.98	105.62	34.64	91.49	1,646.82	1,257.70	6,512.78	6,419.95	92.83	70.160		
15,100.00	7,730.00	7,909.66	7,748.96	107.07	34.65	91.51	1,646.82	1,257.70	6,606.57	6,513.74	92.83	71.167		
15,200.00	7,730.00	7,910.65	7,749.94	108.54	34.65	91.54	1,646.81	1,257.70	6,700.55	6,607.71	92.84	72.175		
15,300.00	7,730.00	7,911.63	7,750.93	110.02	34.65	91.56	1,646.80	1,257.70	6,794.70	6,701.86	92.84	73.185		
15,400.00	7,730.00	7,912.63	7,751.92	111.51	34.65	91.59	1,646.79	1,257.71	6,889.02	6,796.17	92.85	74.197		
15,500.00	7,730.00	7,913.62	7,752.92	113.01	34.66	91.61	1,646.78	1,257.71	6,983.49	6,890.63	92.85	75.210		
15,600.00	7,730.00	7,914.63	7,753.92	114.52	34.66	91.64	1,646.77	1,257.71	7,078.11	6,985.25	92.86	76.224		
15,700.00	7,730.00	7,915.63	7,754.93	116.04	34.66	91.66	1,646.76	1,257.71	7,172.88	7,080.02	92.87	77.240		
15,800.00	7,730.00	7,916.65	7,755.94	117.56	34.66	91.69	1,646.76	1,257.72	7,267.79	7,174.92	92.87	78.257		
15,900.00	7,730.00	7,917.66	7,756.96	119.09	34.67	91.71	1,646.75	1,257.72	7,362.84	7,269.96	92.88	79.274		
16,000.00	7,730.00	7,918.69	7,757.98	120.63	34.67	91.74	1,646.74	1,257.72	7,458.01	7,365.12	92.88	80.293		
16,100.00	7,730.00	7,919.71	7,759.01	122.18	34.67	91.76	1,646.73	1,257.72	7,553.31	7,460.42	92.89	81.313		
16,200.00	7,730.00	7,920.74	7,760.04	123.73	34.67	91.79	1,646.72	1,257.73	7,648.73	7,555.83	92.90	82.333		
16,300.00	7,730.00	7,921.78	7,761.08	125.29	34.68	91.82	1,646.71	1,257.73	7,744.26	7,651.35	92.91	83.354		
16,400.00	7,730.00	7,922.82	7,762.12	126.86	34.68	91.84	1,646.70	1,257.73	7,839.91	7,746.99	92.92	84.376		
16,500.00	7,730.00	7,923.87	7,763.17	128.43	34.68	91.87	1,646.69	1,257.73	7,935.66	7,842.73	92.93	85.398		
16,600.00	7,730.00	7,924.92	7,764.22	130.01	34.68	91.90	1,646.68	1,257.74	8,031.51	7,938.58	92.93	86.421		
16,700.00	7,730.00	7,925.98	7,765.28	131.59	34.69	91.92	1,646.67	1,257.74	8,127.47	8,034.53	92.94	87.445		
16,800.00	7,730.00	7,927.04	7,766.34	133.18	34.69	91.95	1,646.66	1,257.74	8,223.52	8,130.57	92.95	88.468		
16,900.00	7,730.00	7,928.11	7,767.41	134.77	34.69	91.98	1,646.65	1,257.74	8,319.67	8,226.70	92.97	89.492		
17,000.00	7,730.00	7,929.19	7,768.48	136.37	34.70	92.00	1,646.64	1,257.75	8,415.90	8,322.92	92.98	90.516		
17,100.00	7,730.00	7,930.26	7,769.56	137.97	34.70	92.03	1,646.63	1,257.75	8,512.22	8,419.23	92.99	91.541		
17,200.00	7,730.00	7,931.35	7,770.64	139.57	34.70	92.06	1,646.62	1,257.75	8,608.63	8,515.63	93.00	92.565		
17,300.00	7,730.00	7,932.44	7,771.73	141.18	34.70	92.08	1,646.61	1,257.76	8,705.11	8,612.10	93.01	93.590		
17,400.00	7,730.00	7,933.53	7,772.83	142.79	34.71	92.11	1,646.60	1,257.76	8,801.68	8,708.65	93.03	94.614		
17,500.00	7,730.00	7,934.63	7,773.93	144.41	34.71	92.14	1,646.59	1,257.76	8,898.32	8,805.28	93.04	95.639		
17,600.00	7,730.00	7,935.74	7,775.04	146.03	34.71	92.17	1,646.58	1,257.76	8,995.03	8,901.98	93.06	96.663		
17,700.00	7,730.00	7,936.85	7,776.15	147.65	34.72	92.20	1,646.57	1,257.77	9,091.82	8,998.74	93.07	97.687		
17,800.00	7,730.00	7,937.97	7,777.27	149.28	34.72	92.22	1,646.56	1,257.77	9,188.67	9,095.58	93.09	98.711		
17,900.00	7,730.00	7,939.09	7,778.39	150.91	34.72	92.25	1,646.55	1,257.77	9,285.59	9,192.49	93.10	99.735		
18,000.00	7,730.00	7,940.22	7,779.52	152.54	34.72	92.28	1,646.54	1,257.77	9,382.57	9,289.45	93.12	100.759		
18,100.00	7,730.00	7,941.36	7,780.65	154.18	34.73	92.31	1,646.53	1,257.78	9,479.62	9,386.48	93.14	101.782		
18,200.00	7,730.00	7,942.50	7,781.79	155.82	34.73	92.34	1,646.52	1,257.78	9,576.73	9,483.57	93.15	102.805		
18,300.00	7,730.00	7,943.64	7,782.94	157.46	34.73	92.37	1,646.51	1,257.78	9,673.89	9,580.72	93.17	103.827		
18,400.00	7,730.00	7,944.80	7,784.09	159.11	34.74	92.40	1,646.50	1,257.78	9,771.12	9,677.93	93.19	104.849		
18,500.00	7,730.00	7,945.96	7,785.25	160.75	34.74	92.42	1,646.49	1,257.79	9,868.40	9,775.18	93.21	105.871		
18,600.00	7,730.00	7,947.12	7,786.41	162.40	34.74	92.45	1,646.48	1,257.79	9,965.73	9,872.50	93.23	106.892		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	133.91	-2,062.14	2,142.48	2,973.94					
100.00	100.00	74.50	74.50	0.13	0.12	133.91	-2,062.05	2,142.30	2,973.51	2,973.25	0.26	N/A		
200.00	200.00	195.67	195.66	0.49	0.46	133.90	-2,061.23	2,141.57	2,972.60	2,971.64	0.96	3,106.032		
300.00	300.00	875.64	868.13	0.85	3.23	132.83	-1,974.14	2,129.31	2,966.86	2,962.86	4.00	742.184		
400.00	400.00	1,205.48	1,181.74	1.21	5.11	131.59	-1,874.08	2,111.58	2,940.72	2,934.85	5.87	500.751		
500.00	500.00	1,359.43	1,325.09	1.57	6.13	130.87	-1,818.79	2,102.14	2,911.55	2,904.57	6.98	417.070		
600.00	600.00	1,507.52	1,461.98	1.93	7.15	130.12	-1,763.12	2,092.63	2,881.51	2,873.41	8.10	355.881		
700.00	700.00	1,625.45	1,569.99	2.29	8.00	129.47	-1,716.51	2,084.34	2,849.69	2,840.61	9.09	313.586		
800.00	800.00	1,719.51	1,655.86	2.64	8.70	128.93	-1,678.66	2,078.00	2,817.86	2,807.89	9.97	282.663		
900.00	899.98	1,806.56	1,735.36	3.00	9.34	69.51	-1,643.71	2,071.77	2,785.45	2,774.63	10.82	257.409		
1,000.00	999.84	1,873.00	1,796.24	3.35	9.83	69.84	-1,617.51	2,067.32	2,752.82	2,741.25	11.57	238.026		
1,100.00	1,099.45	1,980.86	1,895.18	3.71	10.63	70.07	-1,575.14	2,060.19	2,719.39	2,706.85	12.54	216.849		
1,200.00	1,198.70	2,042.18	1,951.64	4.08	11.07	70.55	-1,551.60	2,055.95	2,685.23	2,671.96	13.27	202.416		
1,300.00	1,297.47	2,142.07	2,043.95	4.47	11.79	71.03	-1,514.10	2,048.83	2,650.50	2,636.30	14.20	186.636		
1,400.00	1,395.62	2,260.86	2,153.26	4.87	12.66	71.56	-1,468.43	2,040.15	2,614.01	2,598.76	15.25	171.362		
1,500.00	1,493.06	2,365.59	2,249.30	5.31	13.44	72.24	-1,427.45	2,032.00	2,575.70	2,559.44	16.26	158.451		
1,600.00	1,589.64	2,438.00	2,315.81	5.77	13.98	73.05	-1,399.40	2,026.24	2,536.57	2,519.47	17.11	148.265		
1,700.00	1,685.27	2,510.27	2,382.48	6.28	14.51	73.94	-1,372.13	2,020.56	2,497.23	2,479.25	17.98	138.898		
1,800.00	1,779.82	2,635.36	2,497.67	6.83	15.43	75.01	-1,324.23	2,011.51	2,457.18	2,438.03	19.15	128.344		
1,900.00	1,873.17	2,703.79	2,560.30	7.43	15.94	76.06	-1,296.96	2,007.21	2,415.87	2,395.79	20.09	120.271		
2,000.00	1,965.21	2,800.29	2,648.82	8.08	16.67	77.29	-1,259.05	2,000.99	2,374.13	2,352.94	21.19	112.015		
2,100.00	2,055.84	2,924.53	2,763.06	8.79	17.59	78.89	-1,211.39	1,990.42	2,330.95	2,308.52	22.44	103.883		
2,200.00	2,144.94	3,029.14	2,858.65	9.56	18.39	80.54	-1,169.95	1,981.08	2,286.25	2,262.61	23.64	96.728		
2,300.00	2,232.39	3,138.35	2,957.93	10.39	19.24	82.38	-1,125.47	1,971.59	2,240.74	2,215.84	24.90	89.990		
2,400.00	2,318.11	3,231.69	3,042.24	11.30	19.97	84.25	-1,086.37	1,962.83	2,193.83	2,167.69	26.14	83.920		
2,504.60	2,405.78	3,295.04	3,099.71	12.31	20.47	85.99	-1,060.34	1,957.06	2,145.60	2,118.23	27.37	78.401		
2,600.00	2,484.79	3,363.57	3,162.04	13.28	21.01	86.77	-1,032.47	1,951.22	2,102.55	2,073.99	28.56	73.625		
2,700.00	2,567.60	3,430.42	3,222.92	14.32	21.52	87.54	-1,005.37	1,945.98	2,058.45	2,028.64	29.81	69.045		
2,800.00	2,650.41	3,503.02	3,289.26	15.37	22.08	88.41	-976.35	1,940.67	2,015.60	1,984.50	31.10	64.806		
2,900.00	2,733.23	3,602.05	3,379.90	16.44	22.83	89.66	-937.24	1,932.76	1,973.33	1,940.87	32.46	60.791		
3,000.00	2,816.04	3,698.83	3,467.69	17.52	23.59	90.89	-897.20	1,925.37	1,930.56	1,896.74	33.82	57.082		
3,100.00	2,898.85	3,764.28	3,527.14	18.60	24.10	91.74	-870.20	1,920.76	1,888.92	1,853.79	35.13	53.772		
3,200.00	2,981.67	3,838.21	3,594.58	19.69	24.67	92.75	-840.37	1,915.51	1,848.59	1,812.14	36.45	50.718		
3,300.00	3,064.48	3,907.01	3,657.61	20.79	25.19	93.74	-813.29	1,910.40	1,809.57	1,771.81	37.76	47.926		
3,400.00	3,147.30	3,983.68	3,728.15	21.90	25.76	94.89	-783.78	1,904.74	1,772.06	1,732.99	39.07	45.353		
3,500.00	3,230.11	4,072.82	3,809.93	23.00	26.43	96.23	-748.79	1,898.91	1,735.34	1,694.95	40.39	42.961		
3,600.00	3,312.92	4,158.50	3,888.49	24.12	27.08	97.58	-715.07	1,893.23	1,699.44	1,657.74	41.70	40.750		
3,700.00	3,395.74	4,241.70	3,964.79	25.23	27.70	98.94	-682.45	1,887.26	1,664.41	1,621.41	43.00	38.708		
3,800.00	3,478.55	4,302.58	4,020.86	26.35	28.15	99.97	-659.13	1,882.89	1,631.17	1,586.87	44.29	36.827		
3,900.00	3,561.36	4,376.60	4,089.37	27.47	28.69	101.27	-631.56	1,877.83	1,600.08	1,554.52	45.57	35.114		
4,000.00	3,644.18	4,462.09	4,168.52	28.59	29.31	102.81	-599.77	1,872.13	1,570.40	1,523.58	46.82	33.542		
4,100.00	3,726.99	4,549.44	4,249.39	29.72	29.94	104.45	-567.38	1,865.69	1,541.87	1,493.82	48.05	32.091		
4,200.00	3,809.81	4,638.11	4,331.38	30.85	30.59	106.15	-534.22	1,859.35	1,514.61	1,465.36	49.25	30.751		
4,300.00	3,892.62	4,726.60	4,413.02	31.98	31.24	107.90	-500.68	1,853.02	1,488.43	1,437.98	50.44	29.506		
4,400.00	3,975.43	4,802.21	4,482.79	33.11	31.79	109.40	-471.93	1,848.30	1,464.01	1,412.35	51.66	28.341		
4,500.00	4,058.25	4,868.75	4,544.43	34.24	32.27	110.76	-447.23	1,844.09	1,441.97	1,389.09	52.88	27.269		
4,600.00	4,141.06	4,925.05	4,596.92	35.37	32.66	111.95	-427.28	1,840.05	1,422.89	1,368.79	54.10	26.300		
4,700.00	4,223.87	4,987.00	4,655.24	36.50	33.08	113.30	-406.86	1,835.58	1,407.64	1,352.36	55.29	25.460		
4,800.00	4,306.69	5,035.41	4,701.14	37.64	33.38	114.36	-391.83	1,832.26	1,396.00	1,339.52	56.47	24.720		
4,900.00	4,389.50	5,096.78	4,759.60	38.77	33.76	115.71	-373.54	1,828.51	1,387.81	1,330.20	57.60	24.092		
5,000.00	4,472.32	5,156.79	4,817.06	39.91	34.12	117.03	-356.60	1,825.18	1,383.11	1,324.40	58.71	23.559		
5,085.15	4,542.84	5,209.39	4,867.69	40.88	34.42	118.19	-342.54	1,822.48	1,381.87	1,322.25	59.62	23.177 CC		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	5,218.71	4,876.67	41.05	34.47	118.39	-340.12	1,822.02	1,381.91	1,322.13	59.78	23.117	ES	
5,200.00	4,637.94	5,270.00	4,926.24	42.18	34.75	119.51	-327.18	1,819.60	1,384.16	1,323.35	60.81	22.761		
5,300.00	4,720.76	5,335.16	4,989.53	43.32	35.09	120.92	-311.93	1,816.99	1,389.97	1,328.17	61.81	22.488		
5,400.00	4,803.57	5,389.20	5,042.33	44.46	35.35	122.06	-300.51	1,815.38	1,399.62	1,336.87	62.75	22.305		
5,500.00	4,886.39	5,441.84	5,094.01	45.60	35.58	123.16	-290.59	1,814.17	1,413.07	1,349.45	63.63	22.209		
5,600.00	4,969.20	5,494.27	5,145.71	46.74	35.80	124.22	-281.92	1,813.24	1,430.25	1,365.81	64.44	22.194		
5,700.00	5,052.01	5,553.00	5,203.84	47.88	36.03	125.39	-273.66	1,812.27	1,451.08	1,385.85	65.23	22.245		
5,800.00	5,134.83	5,607.05	5,257.49	49.02	36.21	126.45	-267.12	1,811.45	1,475.13	1,409.19	65.94	22.370		
5,900.00	5,217.64	5,668.07	5,318.16	50.16	36.42	127.61	-260.65	1,810.66	1,501.99	1,435.35	66.65	22.537		
6,000.00	5,300.45	5,726.97	5,376.82	51.30	36.60	128.70	-255.37	1,809.84	1,531.62	1,464.33	67.29	22.761		
6,100.00	5,383.27	5,778.77	5,428.48	52.45	36.74	129.64	-251.67	1,809.05	1,564.06	1,496.22	67.84	23.056		
6,200.00	5,466.08	5,836.00	5,485.64	53.59	36.89	130.64	-248.98	1,808.21	1,599.54	1,531.16	68.38	23.391		
6,300.00	5,548.90	5,890.28	5,539.89	54.73	37.01	131.56	-247.40	1,807.40	1,637.52	1,568.66	68.86	23.781		
6,400.00	5,631.71	5,956.93	5,606.52	55.87	37.15	132.65	-246.10	1,806.36	1,677.42	1,608.01	69.41	24.167		
6,500.00	5,714.52	6,026.75	5,676.33	57.02	37.29	133.74	-245.47	1,805.61	1,718.92	1,648.95	69.97	24.567		
6,600.00	5,797.34	6,111.14	5,760.71	58.16	37.46	135.00	-245.02	1,804.86	1,761.50	1,690.86	70.64	24.937		
6,700.00	5,880.15	6,202.91	5,852.48	59.30	37.64	136.31	-244.26	1,804.08	1,804.60	1,733.24	71.36	25.289		
6,800.00	5,962.96	6,293.41	5,942.97	60.45	37.83	137.55	-243.15	1,803.59	1,848.01	1,775.95	72.06	25.645		
6,900.00	6,045.78	6,374.81	6,024.36	61.59	38.00	138.61	-242.01	1,803.24	1,891.91	1,819.23	72.68	26.032		
7,000.00	6,128.59	6,461.76	6,111.31	62.73	38.19	139.70	-240.90	1,803.01	1,936.46	1,863.13	73.33	26.408		
7,100.00	6,211.41	6,543.81	6,193.34	63.88	38.37	140.68	-239.67	1,802.87	1,981.37	1,907.44	73.93	26.800		
7,200.00	6,294.22	6,622.31	6,271.83	65.02	38.54	141.59	-238.64	1,802.52	2,027.05	1,952.55	74.50	27.210		
7,300.00	6,377.03	6,706.43	6,355.96	66.17	38.72	142.52	-237.70	1,802.40	2,073.26	1,998.15	75.11	27.604		
7,400.00	6,459.85	6,791.46	6,440.97	67.31	38.91	143.42	-236.72	1,802.35	2,119.86	2,044.14	75.72	27.997		
7,500.00	6,542.66	6,874.86	6,524.37	68.46	39.09	144.27	-235.70	1,802.29	2,166.85	2,090.54	76.31	28.395		
7,600.00	6,625.48	6,957.93	6,607.44	69.60	39.28	145.09	-234.69	1,802.25	2,214.22	2,137.33	76.90	28.795		
7,700.00	6,708.29	7,035.84	6,685.34	70.75	39.45	145.82	-233.87	1,802.29	2,262.06	2,184.62	77.44	29.212		
7,800.00	6,791.10	7,127.12	6,776.61	71.89	39.65	146.63	-233.18	1,802.67	2,310.29	2,232.20	78.09	29.585		
7,900.00	6,873.92	7,218.15	6,867.64	73.04	39.85	147.40	-232.26	1,803.56	2,358.41	2,279.68	78.74	29.953		
8,000.00	6,956.73	7,310.19	6,959.66	74.18	40.05	148.13	-231.46	1,805.09	2,406.63	2,327.24	79.39	30.313		
8,100.00	7,039.54	7,399.26	7,048.70	75.33	40.24	148.80	-230.76	1,807.29	2,454.79	2,374.77	80.02	30.676		
8,165.32	7,093.63	7,452.47	7,101.89	76.08	40.36	149.18	-230.44	1,808.79	2,486.35	2,405.96	80.39	30.927		
8,200.00	7,122.60	7,477.10	7,126.51	76.47	40.41	143.56	-230.34	1,809.49	2,502.42	2,421.86	80.56	31.063		
8,250.00	7,165.05	7,513.12	7,162.51	77.01	40.49	135.00	-230.27	1,810.48	2,522.94	2,442.14	80.80	31.225		
8,300.00	7,208.03	7,549.43	7,198.82	77.52	40.56	126.08	-230.30	1,811.44	2,540.24	2,459.20	81.04	31.347		
8,350.00	7,251.22	7,585.75	7,235.12	77.99	40.64	117.12	-230.44	1,812.37	2,554.24	2,472.97	81.27	31.430		
8,400.00	7,294.28	7,621.96	7,271.32	78.41	40.71	108.55	-230.70	1,813.27	2,564.89	2,483.41	81.49	31.476		
8,450.00	7,336.90	7,654.94	7,304.29	78.78	40.78	100.70	-231.04	1,814.07	2,572.18	2,490.52	81.67	31.496		
8,500.00	7,378.73	7,686.44	7,335.77	79.10	40.84	93.83	-231.52	1,814.80	2,576.15	2,494.34	81.82	31.486		
8,550.00	7,419.47	7,717.22	7,366.54	79.37	40.90	88.06	-232.12	1,815.48	2,576.82	2,494.87	81.95	31.443		
8,600.00	7,458.81	7,756.92	7,406.22	79.59	40.98	83.52	-233.04	1,816.37	2,574.17	2,492.03	82.15	31.336		
8,650.00	7,496.44	7,798.48	7,447.75	79.76	41.06	80.04	-234.03	1,817.39	2,568.13	2,485.78	82.35	31.186		
8,700.00	7,532.08	7,831.08	7,480.34	79.88	41.12	77.39	-234.82	1,818.26	2,558.82	2,476.36	82.46	31.032		
8,750.00	7,565.46	7,853.93	7,503.17	79.95	41.16	75.42	-235.45	1,818.80	2,546.51	2,464.05	82.47	30.879		
8,800.00	7,596.33	7,875.20	7,524.43	79.98	41.20	74.19	-236.09	1,819.23	2,531.36	2,448.91	82.45	30.701		
8,850.00	7,624.44	7,894.75	7,543.96	79.97	41.24	73.62	-236.73	1,819.56	2,513.49	2,431.08	82.41	30.499		
8,900.00	7,649.59	7,914.00	7,563.20	79.93	41.27	73.69	-237.41	1,819.82	2,493.05	2,410.68	82.37	30.267		
8,950.00	7,671.59	7,929.02	7,578.20	79.84	41.30	74.30	-237.96	1,819.98	2,470.19	2,387.91	82.28	30.021		
9,000.00	7,690.26	7,943.42	7,592.59	79.73	41.33	75.49	-238.51	1,820.09	2,445.07	2,362.88	82.19	29.747		
9,050.00	7,705.47	7,955.44	7,604.61	79.59	41.35	77.22	-238.98	1,820.17	2,417.88	2,335.79	82.09	29.453		
9,100.00	7,717.09	7,965.01	7,614.17	79.43	41.37	79.48	-239.36	1,820.20	2,388.81	2,306.83	81.98	29.139		
9,150.00	7,725.04	7,972.04	7,621.20	79.26	41.38	82.28	-239.65	1,820.22	2,358.07	2,276.20	81.86	28.805		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,976.48	7,625.62	79.06	41.39	85.59	-239.83	1,820.23	2,325.84	2,244.10	81.74	28.453		
9,231.13	7,730.00	7,977.90	7,627.05	78.93	41.39	87.92	-239.89	1,820.23	2,305.12	2,223.46	81.67	28.225		
9,300.00	7,730.00	7,979.92	7,629.07	78.65	41.39	87.99	-239.97	1,820.23	2,259.37	2,177.86	81.51	27.720		
9,400.00	7,730.00	7,982.88	7,632.02	78.26	41.40	88.09	-240.09	1,820.23	2,195.07	2,113.79	81.28	27.006		
9,500.00	7,730.00	7,985.87	7,635.01	77.89	41.40	88.19	-240.22	1,820.23	2,133.52	2,052.44	81.08	26.314		
9,600.00	7,730.00	7,988.89	7,638.03	77.53	41.41	88.29	-240.34	1,820.23	2,074.95	1,994.05	80.91	25.646		
9,700.00	7,730.00	7,991.94	7,641.08	77.19	41.42	88.39	-240.47	1,820.23	2,019.64	1,938.86	80.78	25.003		
9,800.00	7,730.00	7,995.03	7,644.16	76.88	41.42	88.49	-240.60	1,820.22	1,967.85	1,887.15	80.70	24.385		
9,900.00	7,730.00	7,998.15	7,647.28	76.58	41.43	88.60	-240.73	1,820.21	1,919.87	1,839.17	80.69	23.792		
10,000.00	7,730.00	8,001.30	7,650.43	76.30	41.43	88.70	-240.87	1,820.21	1,875.98	1,795.21	80.77	23.226		
10,100.00	7,730.00	8,009.00	7,658.12	76.04	41.45	88.96	-241.20	1,820.18	1,836.50	1,755.49	81.01	22.669		
10,200.00	7,730.00	8,009.00	7,658.12	75.79	41.45	88.96	-241.20	1,820.18	1,801.69	1,720.45	81.25	22.176		
10,300.00	7,730.00	8,009.00	7,658.12	75.57	41.45	88.96	-241.20	1,820.18	1,771.85	1,690.26	81.59	21.716		
10,400.00	7,730.00	8,009.00	7,658.12	75.36	41.45	88.96	-241.20	1,820.18	1,747.23	1,665.17	82.06	21.293		
10,500.00	7,730.00	8,016.90	7,666.01	75.18	41.46	89.23	-241.55	1,820.13	1,728.02	1,645.27	82.75	20.882		
10,600.00	7,730.00	8,020.03	7,669.14	75.01	41.47	89.33	-241.69	1,820.11	1,714.45	1,630.98	83.47	20.540		
10,700.00	7,730.00	8,023.22	7,672.33	74.86	41.47	89.44	-241.83	1,820.09	1,706.63	1,622.36	84.27	20.252		
10,783.99	7,730.00	8,025.95	7,675.05	74.76	41.48	89.53	-241.95	1,820.07	1,704.56	1,619.57	84.99	20.056		
10,800.00	7,730.00	8,026.47	7,675.57	74.74	41.48	89.55	-241.98	1,820.06	1,704.64	1,619.51	85.13	20.025		
10,900.00	7,730.00	8,029.77	7,678.87	74.64	41.48	89.66	-242.13	1,820.04	1,708.50	1,622.48	86.02	19.863		
11,000.00	7,730.00	8,033.14	7,682.24	74.56	41.49	89.77	-242.28	1,820.00	1,718.17	1,631.27	86.91	19.770		
11,100.00	7,730.00	8,036.57	7,685.66	74.51	41.50	89.89	-242.44	1,819.97	1,733.56	1,645.78	87.78	19.749 SF		
11,200.00	7,730.00	8,040.06	7,689.15	74.48	41.50	90.01	-242.61	1,819.93	1,754.52	1,665.91	88.61	19.801		
11,300.00	7,730.00	8,043.62	7,692.71	74.48	41.51	90.12	-242.78	1,819.89	1,780.84	1,691.45	89.38	19.924		
11,400.00	7,730.00	8,047.25	7,696.33	74.50	41.52	90.25	-242.95	1,819.84	1,812.29	1,722.20	90.09	20.117		
11,500.00	7,730.00	8,050.95	7,700.02	74.56	41.52	90.37	-243.13	1,819.79	1,848.62	1,757.90	90.72	20.378		
11,600.00	7,730.00	8,054.72	7,703.79	74.66	41.53	90.50	-243.31	1,819.73	1,889.53	1,798.26	91.27	20.702		
11,700.00	7,730.00	8,058.56	7,707.63	74.79	41.54	90.63	-243.50	1,819.67	1,934.75	1,842.99	91.75	21.087		
11,800.00	7,730.00	8,062.48	7,711.54	74.96	41.54	90.76	-243.70	1,819.61	1,983.96	1,891.81	92.16	21.528		
11,900.00	7,730.00	8,066.48	7,715.54	75.17	41.55	90.89	-243.90	1,819.54	2,036.90	1,944.40	92.50	22.021		
12,000.00	7,730.00	8,070.56	7,719.61	75.43	41.56	91.03	-244.11	1,819.47	2,093.26	2,000.48	92.78	22.562		
12,100.00	7,730.00	8,074.73	7,723.77	75.73	41.56	91.17	-244.32	1,819.39	2,152.78	2,059.78	93.00	23.148		
12,200.00	7,730.00	8,078.98	7,728.01	76.09	41.57	91.31	-244.54	1,819.30	2,215.22	2,122.04	93.18	23.773		
12,300.00	7,730.00	8,083.32	7,732.34	76.51	41.58	91.46	-244.77	1,819.21	2,280.32	2,187.00	93.32	24.435		
12,400.00	7,730.00	12,400.00	7,904.90	76.97	47.48	97.22	-258.53	1,819.76	2,347.55	2,245.47	102.07	22.998		
12,500.00	7,730.00	12,500.00	7,914.96	77.50	47.61	97.55	-259.55	1,820.07	2,416.77	2,314.33	102.44	23.593		
12,600.00	7,730.00	12,600.00	7,925.03	78.09	47.75	97.89	-260.58	1,820.38	2,488.04	2,385.26	102.78	24.208		
12,700.00	7,730.00	8,317.22	7,965.24	78.74	41.93	99.22	-264.88	1,822.11	2,560.91	2,467.10	93.81	27.300		
12,800.00	7,730.00	8,321.44	7,969.43	79.45	41.94	99.36	-265.30	1,822.30	2,635.68	2,541.90	93.79	28.103		
12,900.00	7,730.00	8,325.47	7,973.44	80.22	41.94	99.49	-265.70	1,822.49	2,712.07	2,618.31	93.76	28.927		
13,000.00	7,730.00	8,329.33	7,977.27	81.05	41.95	99.61	-266.07	1,822.67	2,789.93	2,696.21	93.72	29.769		
13,100.00	7,730.00	8,333.02	7,980.94	81.94	41.95	99.74	-266.42	1,822.84	2,869.16	2,775.48	93.68	30.628		
13,200.00	7,730.00	8,336.55	7,984.46	82.87	41.96	99.85	-266.74	1,822.99	2,949.64	2,856.00	93.63	31.502		
13,300.00	7,730.00	8,339.94	7,987.83	83.86	41.96	99.96	-267.05	1,823.14	3,031.26	2,937.68	93.59	32.390		
13,400.00	7,730.00	8,343.19	7,991.06	84.90	41.97	100.07	-267.34	1,823.29	3,113.96	3,020.42	93.54	33.290		
13,500.00	7,730.00	8,346.31	7,994.17	85.97	41.97	100.17	-267.61	1,823.42	3,197.63	3,104.14	93.49	34.202		
13,600.00	7,730.00	8,349.31	7,997.16	87.09	41.98	100.27	-267.86	1,823.55	3,282.20	3,188.76	93.44	35.125		
13,700.00	7,730.00	8,352.20	8,000.03	88.25	41.98	100.36	-268.10	1,823.67	3,367.62	3,274.22	93.40	36.058		
13,800.00	7,730.00	8,354.98	8,002.80	89.44	41.99	100.45	-268.33	1,823.78	3,453.81	3,360.46	93.35	36.999		
13,900.00	7,730.00	8,357.65	8,005.46	90.66	41.99	100.54	-268.55	1,823.89	3,540.72	3,447.42	93.30	37.949		
14,000.00	7,730.00	8,360.00	8,003.72	91.92	42.03	101.47	-270.58	1,824.98	3,628.58	3,535.33	93.26	38.909		
14,100.00	7,730.00	8,360.00	8,003.72	93.20	42.03	101.47	-270.58	1,824.98	3,716.73	3,623.52	93.22	39.872		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	8,386.00	8,033.72	94.50	42.03	101.47	-270.58	1,824.98	3,805.47	3,712.29	93.18	40.842		
14,300.00	7,730.00	8,386.00	8,033.72	95.83	42.03	101.47	-270.58	1,824.98	3,894.75	3,801.61	93.14	41.817		
14,400.00	7,730.00	8,386.00	8,033.72	97.17	42.03	101.47	-270.58	1,824.98	3,984.54	3,891.44	93.10	42.798		
14,500.00	7,730.00	8,386.00	8,033.72	98.54	42.03	101.47	-270.58	1,824.98	4,074.80	3,981.74	93.07	43.784		
14,600.00	7,730.00	8,386.00	8,033.72	99.92	42.03	101.47	-270.58	1,824.98	4,165.51	4,072.48	93.03	44.774		
14,700.00	7,730.00	8,386.00	8,033.72	101.32	42.03	101.47	-270.58	1,824.98	4,256.64	4,163.64	93.00	45.769		
14,800.00	7,730.00	8,386.00	8,033.72	102.74	42.03	101.47	-270.58	1,824.98	4,348.16	4,255.18	92.97	46.767		
14,900.00	7,730.00	8,386.00	8,033.72	104.17	42.03	101.47	-270.58	1,824.98	4,440.04	4,347.09	92.95	47.769		
15,000.00	7,730.00	8,386.00	8,033.72	105.62	42.03	101.47	-270.58	1,824.98	4,532.26	4,439.34	92.92	48.775		
15,100.00	7,730.00	8,386.00	8,033.72	107.07	42.03	101.47	-270.58	1,824.98	4,624.81	4,531.92	92.90	49.783		
15,200.00	7,730.00	8,386.00	8,033.72	108.54	42.03	101.47	-270.58	1,824.98	4,717.67	4,624.79	92.88	50.795		
15,300.00	7,730.00	8,386.00	8,033.72	110.02	42.03	101.47	-270.58	1,824.98	4,810.81	4,717.95	92.86	51.809		
15,400.00	7,730.00	8,386.00	8,033.72	111.51	42.03	101.47	-270.58	1,824.98	4,904.22	4,811.38	92.84	52.825		
15,500.00	7,730.00	8,386.00	8,033.72	113.01	42.03	101.47	-270.58	1,824.98	4,997.88	4,905.06	92.82	53.843		
15,600.00	7,730.00	8,386.00	8,033.72	114.52	42.03	101.47	-270.58	1,824.98	5,091.79	4,998.98	92.81	54.864		
15,700.00	7,730.00	8,386.00	8,033.72	116.04	42.03	101.47	-270.58	1,824.98	5,185.92	5,093.13	92.79	55.886		
15,800.00	7,730.00	8,386.00	8,033.72	117.56	42.03	101.47	-270.58	1,824.98	5,280.27	5,187.49	92.78	56.910		
15,900.00	7,730.00	8,386.00	8,033.72	119.09	42.03	101.47	-270.58	1,824.98	5,374.82	5,282.05	92.77	57.936		
16,000.00	7,730.00	8,408.20	8,055.86	120.63	42.07	102.19	-271.94	1,825.77	5,469.47	5,376.70	92.77	58.956		
16,100.00	7,730.00	8,410.91	8,058.56	122.18	42.08	102.27	-272.10	1,825.86	5,564.38	5,471.62	92.77	59.983		
16,200.00	7,730.00	8,413.57	8,061.21	123.73	42.08	102.36	-272.26	1,825.95	5,659.46	5,566.70	92.76	61.010		
16,300.00	7,730.00	8,416.17	8,063.81	125.29	42.09	102.44	-272.41	1,826.04	5,754.71	5,661.95	92.76	62.039		
16,400.00	7,730.00	8,418.73	8,066.36	126.86	42.09	102.53	-272.56	1,826.13	5,850.11	5,757.35	92.76	63.069		
16,500.00	7,730.00	8,421.24	8,068.87	128.43	42.09	102.61	-272.70	1,826.22	5,945.65	5,852.90	92.76	64.100		
16,600.00	7,730.00	8,423.71	8,071.33	130.01	42.10	102.69	-272.84	1,826.30	6,041.34	5,948.59	92.76	65.131		
16,700.00	7,730.00	8,426.13	8,073.75	131.59	42.10	102.77	-272.97	1,826.38	6,137.17	6,044.41	92.76	66.162		
16,800.00	7,730.00	8,428.51	8,076.12	133.18	42.11	102.84	-273.10	1,826.46	6,233.13	6,140.36	92.76	67.195		
16,900.00	7,730.00	8,430.84	8,078.45	134.77	42.11	102.92	-273.23	1,826.54	6,329.20	6,236.44	92.77	68.227		
17,000.00	7,730.00	8,433.14	8,080.74	136.37	42.12	102.99	-273.36	1,826.62	6,425.40	6,332.63	92.77	69.260		
17,100.00	7,730.00	8,435.39	8,082.99	137.97	42.12	103.07	-273.48	1,826.70	6,521.71	6,428.93	92.78	70.293		
17,200.00	7,730.00	8,437.61	8,085.21	139.57	42.12	103.14	-273.60	1,826.77	6,618.12	6,525.34	92.79	71.327		
17,300.00	7,730.00	8,439.79	8,087.38	141.18	42.13	103.21	-273.71	1,826.84	6,714.64	6,621.85	92.79	72.360		
17,400.00	7,730.00	8,441.93	8,089.52	142.79	42.13	103.28	-273.82	1,826.91	6,811.26	6,718.46	92.80	73.394		
17,500.00	7,730.00	8,444.04	8,091.62	144.41	42.14	103.34	-273.93	1,826.98	6,907.97	6,815.16	92.82	74.427		
17,600.00	7,730.00	8,446.11	8,093.69	146.03	42.14	103.41	-274.04	1,827.05	7,004.78	6,911.95	92.83	75.461		
17,700.00	7,730.00	8,448.15	8,095.73	147.65	42.14	103.48	-274.14	1,827.12	7,101.67	7,008.83	92.84	76.494		
17,800.00	7,730.00	8,450.16	8,097.73	149.28	42.15	103.54	-274.25	1,827.19	7,198.64	7,105.79	92.85	77.527		
17,900.00	7,730.00	8,452.13	8,099.70	150.91	42.15	103.60	-274.34	1,827.25	7,295.69	7,202.83	92.87	78.560		
18,000.00	7,730.00	8,454.07	8,101.63	152.54	42.15	103.67	-274.44	1,827.31	7,392.83	7,299.94	92.88	79.593		
18,100.00	7,730.00	8,481.00	8,128.52	154.18	42.20	104.53	-275.71	1,828.17	7,490.14	7,397.22	92.92	80.610		
18,200.00	7,730.00	8,481.00	8,128.52	155.82	42.20	104.53	-275.71	1,828.17	7,587.40	7,494.47	92.93	81.642		
18,300.00	7,730.00	8,481.00	8,128.52	157.46	42.20	104.53	-275.71	1,828.17	7,684.73	7,591.78	92.95	82.675		
18,400.00	7,730.00	8,481.00	8,128.52	159.11	42.20	104.53	-275.71	1,828.17	7,782.13	7,689.16	92.97	83.707		
18,500.00	7,730.00	8,481.00	8,128.52	160.75	42.20	104.53	-275.71	1,828.17	7,879.60	7,786.61	92.99	84.738		
18,600.00	7,730.00	8,481.00	8,128.52	162.40	42.20	104.53	-275.71	1,828.17	7,977.12	7,884.12	93.01	85.769		
18,700.00	7,730.00	8,481.00	8,128.52	164.05	42.20	104.53	-275.71	1,828.17	8,074.71	7,981.68	93.03	86.800		
18,800.00	7,730.00	8,481.00	8,128.52	165.71	42.20	104.53	-275.71	1,828.17	8,172.36	8,079.31	93.05	87.830		
18,900.00	7,730.00	8,481.00	8,128.52	167.36	42.20	104.53	-275.71	1,828.17	8,270.06	8,176.99	93.07	88.860		
18,942.39	7,730.00	8,481.00	8,128.52	168.07	42.20	104.53	-275.71	1,828.17	8,311.49	8,218.41	93.08	89.296		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	69.87	772.02	2,105.83	2,243.24					
100.00	100.00	62.83	62.83	0.13	0.10	69.87	771.79	2,105.87	2,242.85	2,242.61	0.24	9,524.743		
200.00	200.00	167.50	167.49	0.49	0.36	69.90	770.63	2,106.04	2,242.62	2,241.77	0.85	2,632.221		
300.00	300.00	271.06	271.05	0.85	0.73	69.92	769.87	2,105.85	2,242.20	2,240.61	1.58	1,418.135		
400.00	400.00	360.94	360.93	1.21	1.05	69.93	769.31	2,105.70	2,241.83	2,239.57	2.26	992.135		
405.58	405.58	365.59	365.58	1.23	1.07	69.93	769.28	2,105.71	2,241.83	2,239.53	2.30	976.358		
500.00	500.00	452.37	452.36	1.57	1.37	69.95	768.77	2,106.13	2,242.06	2,239.12	2.94	762.291		
600.00	600.00	541.01	540.99	1.93	1.68	69.96	768.54	2,106.69	2,242.58	2,238.97	3.61	621.052		
700.00	700.00	633.84	633.82	2.29	2.01	69.97	768.29	2,107.89	2,243.69	2,239.39	4.30	522.291		
800.00	800.00	730.89	730.85	2.64	2.35	69.99	768.07	2,109.20	2,244.88	2,239.89	5.00	449.352		
900.00	899.98	833.83	833.78	3.00	2.72	10.42	768.24	2,110.56	2,244.47	2,238.76	5.71	392.900		
1,000.00	999.84	948.76	948.71	3.35	3.11	10.46	768.67	2,111.46	2,240.19	2,233.73	6.46	346.514		
1,100.00	1,099.45	1,052.28	1,052.22	3.71	3.47	10.50	769.93	2,111.45	2,232.02	2,224.85	7.17	311.247		
1,200.00	1,198.70	1,136.17	1,136.11	4.08	3.75	10.57	771.15	2,111.62	2,220.72	2,212.91	7.82	284.139		
1,300.00	1,297.47	1,236.30	1,236.22	4.47	4.10	10.67	772.51	2,111.94	2,206.08	2,197.56	8.52	258.882		
1,400.00	1,395.62	1,295.92	1,295.82	4.87	4.31	10.75	774.00	2,112.57	2,189.14	2,180.05	9.09	240.867		
1,500.00	1,493.06	1,355.46	1,355.29	5.31	4.52	10.84	776.60	2,113.92	2,170.57	2,160.91	9.66	224.725		
1,600.00	1,589.64	1,409.00	1,408.69	5.77	4.71	10.92	779.89	2,115.75	2,150.40	2,140.19	10.21	210.605		
1,700.00	1,685.27	1,477.91	1,477.32	6.28	4.95	11.00	785.16	2,118.97	2,128.49	2,117.67	10.82	196.631		
1,800.00	1,779.82	1,537.29	1,536.36	6.83	5.17	11.09	790.47	2,122.57	2,104.91	2,093.50	11.41	184.484		
1,900.00	1,873.17	1,598.00	1,596.57	7.43	5.39	11.19	796.65	2,127.23	2,079.81	2,067.81	12.01	173.238		
2,000.00	1,965.21	1,656.93	1,654.89	8.08	5.61	11.31	803.16	2,132.66	2,053.11	2,040.51	12.60	162.899		
2,100.00	2,055.84	1,721.16	1,718.31	8.79	5.86	11.44	810.61	2,139.52	2,024.68	2,011.45	13.23	153.021		
2,200.00	2,144.94	1,787.00	1,783.15	9.56	6.11	11.59	819.03	2,147.28	1,994.39	1,980.52	13.88	143.732		
2,300.00	2,232.39	1,845.61	1,840.68	10.39	6.35	11.75	827.06	2,155.01	1,962.42	1,947.92	14.50	135.311		
2,400.00	2,318.11	1,909.53	1,903.23	11.30	6.61	11.94	836.16	2,164.53	1,928.91	1,913.74	15.16	127.207		
2,504.60	2,405.78	1,975.00	1,967.15	12.31	6.89	12.17	845.78	2,174.97	1,891.71	1,875.85	15.86	119.259		
2,600.00	2,484.79	2,032.51	2,023.13	13.28	7.14	12.25	854.08	2,185.20	1,857.71	1,841.21	16.50	112.587		
2,700.00	2,567.60	2,091.01	2,079.84	14.32	7.40	12.37	861.93	2,197.21	1,824.07	1,806.90	17.17	106.242		
2,800.00	2,650.41	2,164.00	2,150.40	15.37	7.74	12.56	870.85	2,213.60	1,791.87	1,773.96	17.91	100.031		
2,900.00	2,733.23	2,242.21	2,225.86	16.44	8.10	12.83	878.98	2,232.47	1,760.72	1,742.02	18.69	94.193		
3,000.00	2,816.04	2,314.36	2,295.31	17.52	8.45	13.14	885.42	2,250.94	1,730.57	1,711.11	19.46	88.933		
3,100.00	2,898.85	2,387.06	2,365.00	18.60	8.81	13.45	892.19	2,270.49	1,701.82	1,681.58	20.24	84.078		
3,200.00	2,981.67	2,449.00	2,424.19	19.69	9.13	13.74	897.81	2,287.85	1,674.35	1,653.37	20.98	79.792		
3,300.00	3,064.48	2,517.02	2,488.80	20.79	9.50	14.06	904.49	2,308.01	1,648.70	1,626.94	21.77	75.741		
3,400.00	3,147.30	2,595.74	2,563.02	21.90	9.94	14.41	913.23	2,332.79	1,625.10	1,602.49	22.62	71.856		
3,500.00	3,230.11	2,705.67	2,666.67	23.00	10.58	14.95	924.65	2,367.56	1,601.64	1,578.00	23.64	67.747		
3,600.00	3,312.92	2,811.25	2,766.56	24.12	11.20	15.47	935.84	2,399.86	1,577.28	1,552.63	24.66	63.966		
3,700.00	3,395.74	2,906.17	2,856.40	25.23	11.76	15.91	946.75	2,428.51	1,552.86	1,527.22	25.63	60.576		
3,800.00	3,478.55	3,001.59	2,946.68	26.35	12.34	16.37	957.73	2,457.39	1,528.63	1,502.00	26.63	57.404		
3,900.00	3,561.36	3,085.09	3,025.58	27.47	12.86	16.79	967.41	2,482.96	1,504.86	1,477.28	27.58	54.562		
4,000.00	3,644.18	3,181.14	3,116.11	28.59	13.46	17.26	979.07	2,512.85	1,481.83	1,453.22	28.61	51.794		
4,100.00	3,726.99	3,287.58	3,216.60	29.72	14.13	17.82	991.56	2,545.62	1,458.47	1,428.76	29.71	49.091		
4,200.00	3,809.81	3,395.66	3,318.96	30.85	14.81	18.44	1,003.08	2,578.34	1,434.48	1,403.64	30.84	46.516		
4,300.00	3,892.62	3,481.95	3,400.68	31.98	15.36	18.94	1,012.76	2,604.31	1,410.57	1,378.69	31.88	44.251		
4,400.00	3,975.43	3,577.91	3,491.41	33.11	15.97	19.49	1,024.16	2,633.40	1,387.13	1,354.15	32.98	42.061		
4,500.00	4,058.25	3,691.98	3,599.55	34.24	16.69	20.16	1,037.52	2,667.16	1,363.05	1,328.86	34.19	39.870		
4,600.00	4,141.06	3,782.85	3,685.81	35.37	17.27	20.75	1,047.50	2,693.93	1,338.86	1,303.54	35.31	37.913		
4,700.00	4,223.87	3,885.16	3,782.96	36.50	17.91	21.41	1,059.13	2,723.81	1,314.63	1,278.12	36.51	36.004		
4,800.00	4,306.69	3,976.01	3,869.27	37.64	18.49	22.04	1,069.05	2,750.41	1,290.56	1,252.87	37.69	34.242		
4,900.00	4,389.50	4,064.51	3,953.15	38.77	19.06	22.67	1,078.82	2,776.86	1,267.28	1,228.40	38.88	32.592		
5,000.00	4,472.32	4,180.28	4,062.99	39.91	19.80	23.46	1,093.12	2,810.52	1,243.56	1,203.35	40.21	30.923		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 21-23 - OWB - FINAL SURVEY		Offset Site Error: 0.00 usft	
Survey Program: 122-MWD OWSG															Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
5,100.00	4,555.13	4,280.27	4,158.22	41.05	20.43	24.17	1,105.26	2,838.49	1,218.87	1,177.36	41.50	29.369				
5,200.00	4,637.94	4,368.89	4,242.61	42.18	20.99	24.89	1,114.59	2,863.87	1,194.83	1,152.04	42.80	27.919				
5,300.00	4,720.76	4,468.49	4,337.38	43.32	21.62	25.72	1,125.56	2,892.49	1,171.17	1,127.00	44.17	26.516				
5,400.00	4,803.57	4,562.96	4,427.38	44.46	22.22	26.52	1,136.28	2,919.13	1,147.24	1,101.68	45.55	25.184				
5,500.00	4,886.39	4,655.42	4,515.03	45.60	22.81	27.23	1,148.61	2,945.83	1,124.35	1,077.41	46.94	23.955				
5,600.00	4,969.20	4,771.44	4,625.54	46.74	23.54	28.23	1,162.99	2,978.12	1,100.54	1,052.07	48.47	22.705				
5,700.00	5,052.01	4,873.26	4,723.08	47.88	24.16	29.25	1,173.57	3,005.30	1,075.75	1,025.72	50.03	21.503				
5,800.00	5,134.83	4,995.44	4,840.73	49.02	24.88	30.69	1,183.80	3,036.65	1,050.28	998.53	51.75	20.295				
5,900.00	5,217.64	5,103.98	4,945.82	50.16	25.48	32.05	1,192.77	3,062.23	1,023.13	969.66	53.48	19.133				
6,000.00	5,300.45	5,257.87	5,096.27	51.30	26.26	34.26	1,203.33	3,092.67	992.82	937.48	55.34	17.939				
6,100.00	5,383.27	5,369.31	5,206.26	52.45	26.75	36.18	1,208.46	3,109.85	959.06	901.79	57.27	16.747				
6,200.00	5,466.08	5,513.68	5,349.54	53.59	27.31	39.00	1,214.07	3,126.40	922.48	863.27	59.21	15.580				
6,300.00	5,548.90	5,643.28	5,478.85	54.73	27.72	42.07	1,216.30	3,134.44	882.56	821.28	61.28	14.401				
6,400.00	5,631.71	5,749.26	5,584.81	55.87	28.02	45.01	1,216.97	3,136.67	840.43	776.80	63.63	13.208				
6,500.00	5,714.52	5,835.88	5,671.42	57.02	28.24	47.66	1,217.60	3,137.29	798.66	732.37	66.29	12.049				
6,600.00	5,797.34	5,916.16	5,751.70	58.16	28.45	50.33	1,218.29	3,137.88	758.60	689.40	69.19	10.963				
6,700.00	5,880.15	5,998.92	5,834.45	59.30	28.68	53.30	1,219.04	3,138.82	720.83	648.54	72.29	9.972				
6,800.00	5,962.96	6,084.05	5,919.57	60.45	28.91	56.61	1,220.07	3,139.79	685.30	609.74	75.55	9.070				
6,900.00	6,045.78	6,169.53	6,005.04	61.59	29.14	60.22	1,221.06	3,140.49	652.20	573.20	78.99	8.256				
7,000.00	6,128.59	6,254.33	6,089.83	62.73	29.36	64.10	1,222.01	3,140.92	621.98	539.41	82.57	7.533				
7,100.00	6,211.41	6,337.41	6,172.91	63.88	29.59	68.20	1,222.77	3,141.12	595.28	509.07	86.21	6.905				
7,200.00	6,294.22	6,417.92	6,253.41	65.02	29.80	72.45	1,223.04	3,141.25	572.99	483.19	89.80	6.381				
7,300.00	6,377.03	6,502.25	6,337.75	66.17	30.02	77.13	1,223.27	3,141.48	555.52	462.38	93.14	5.964				
7,400.00	6,459.85	6,581.80	6,417.29	67.31	30.24	81.68	1,223.65	3,142.05	543.34	447.26	96.08	5.655				
7,500.00	6,542.66	6,666.12	6,501.61	68.46	30.47	86.60	1,223.88	3,142.99	536.95	438.48	98.47	5.453				
7,569.10	6,599.89	6,724.86	6,560.35	69.25	30.63	90.09	1,224.07	3,143.31	535.63	435.88	99.75	5.370				
7,600.00	6,625.48	6,750.94	6,586.43	69.60	30.70	91.63	1,224.21	3,143.48	535.89	435.68	100.21	5.348				
7,700.00	6,708.29	6,836.83	6,672.31	70.75	30.95	96.67	1,224.94	3,144.21	540.28	439.03	101.25	5.336				
7,800.00	6,791.10	6,921.88	6,757.35	71.89	31.19	101.55	1,226.13	3,144.89	549.72	448.11	101.61	5.410				
7,900.00	6,873.92	7,004.05	6,839.51	73.04	31.42	106.15	1,227.13	3,145.28	564.47	463.14	101.32	5.571				
8,000.00	6,956.73	7,087.00	6,922.46	74.18	31.64	110.64	1,227.90	3,145.22	584.27	483.74	100.52	5.812				
8,100.00	7,039.54	7,175.07	7,010.52	75.33	31.88	115.15	1,229.12	3,144.95	608.17	508.77	99.40	6.119				
8,165.32	7,093.63	7,228.17	7,063.61	76.08	32.03	117.74	1,229.99	3,144.79	625.82	527.33	98.49	6.354				
8,200.00	7,122.60	7,256.86	7,092.30	76.47	32.11	114.22	1,230.44	3,144.70	634.85	536.87	97.98	6.480				
8,250.00	7,165.05	7,298.57	7,134.01	77.01	32.23	108.38	1,231.06	3,144.60	645.09	547.91	97.18	6.638				
8,300.00	7,208.03	7,340.77	7,176.20	77.52	32.34	101.88	1,231.62	3,144.55	652.02	555.71	96.31	6.770				
8,350.00	7,251.22	7,383.02	7,218.45	77.99	32.46	95.13	1,232.13	3,144.56	655.64	560.29	95.36	6.876				
8,400.00	7,294.28	7,425.10	7,260.52	78.41	32.58	88.60	1,232.56	3,144.61	655.98	561.67	94.30	6.956				
8,450.00	7,336.90	7,465.78	7,301.21	78.78	32.70	82.67	1,232.89	3,144.69	653.11	559.98	93.12	7.013				
8,500.00	7,378.73	7,504.61	7,340.04	79.10	32.80	77.63	1,233.04	3,144.77	647.23	555.44	91.79	7.051				
8,550.00	7,419.47	7,542.54	7,377.96	79.37	32.91	73.67	1,233.02	3,144.83	638.50	548.18	90.31	7.070				
8,600.00	7,458.81	7,580.79	7,416.21	79.59	33.01	70.90	1,232.87	3,144.87	627.02	538.33	88.69	7.070				
8,650.00	7,496.44	7,617.43	7,452.86	79.76	33.10	69.20	1,232.67	3,144.87	612.97	526.09	86.88	7.055				
8,700.00	7,532.08	7,652.43	7,487.85	79.88	33.20	68.51	1,232.44	3,144.83	596.60	511.73	84.87	7.030				
8,750.00	7,565.46	7,685.61	7,521.03	79.95	33.28	68.74	1,232.17	3,144.80	578.19	495.54	82.65	6.996				
8,800.00	7,596.33	7,716.44	7,551.86	79.98	33.36	69.79	1,231.88	3,144.80	558.11	477.90	80.21	6.958				
8,850.00	7,624.44	7,745.16	7,580.58	79.97	33.44	71.58	1,231.59	3,144.83	536.75	459.18	77.57	6.920				
8,900.00	7,649.59	7,771.51	7,606.92	79.93	33.51	74.01	1,231.32	3,144.90	514.56	439.79	74.77	6.882				
8,950.00	7,671.59	7,794.66	7,630.07	79.84	33.57	76.84	1,231.09	3,145.00	492.07	420.20	71.86	6.847				
9,000.00	7,690.26	7,814.41	7,649.82	79.73	33.62	79.88	1,230.90	3,145.12	469.90	400.89	69.01	6.809				
9,050.00	7,705.47	7,830.61	7,666.02	79.59	33.67	82.90	1,230.74	3,145.24	448.72	382.25	66.47	6.751				
9,100.00	7,717.09	7,842.89	7,678.30	79.43	33.70	85.65	1,230.64	3,145.33	429.25	364.60	64.65	6.640				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 21-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,725.04	7,851.37	7,686.78	79.26	33.73	87.95	1,230.58	3,145.39	412.23	348.17	64.06	6.435		
9,200.00	7,729.27	7,856.00	7,691.41	79.06	33.74	89.65	1,230.54	3,145.43	398.35	333.21	65.14	6.116		
9,231.13	7,730.00	7,856.94	7,692.35	78.93	33.74	90.35	1,230.54	3,145.44	391.55	324.82	66.73	5.868		
9,300.00	7,730.00	7,857.38	7,692.79	78.65	33.74	90.42	1,230.54	3,145.44	384.19	311.76	72.43	5.304		
9,307.04	7,730.00	7,857.43	7,692.84	78.62	33.74	90.42	1,230.53	3,145.44	384.12	310.98	73.14	5.252 CC, ES		
9,400.00	7,730.00	7,858.01	7,693.42	78.26	33.75	90.51	1,230.53	3,145.44	395.21	311.92	83.30	4.745		
9,500.00	7,730.00	7,858.63	7,694.04	77.89	33.75	90.60	1,230.53	3,145.45	429.87	336.82	93.05	4.620 SF		
9,600.00	7,730.00	7,859.24	7,694.65	77.53	33.75	90.69	1,230.52	3,145.45	483.09	383.27	99.82	4.840		
9,700.00	7,730.00	7,859.83	7,695.24	77.19	33.75	90.78	1,230.52	3,145.46	549.51	445.58	103.94	5.287		
9,800.00	7,730.00	7,860.42	7,695.82	76.88	33.75	90.87	1,230.52	3,145.46	624.94	518.66	106.28	5.880		
9,900.00	7,730.00	7,860.99	7,696.40	76.58	33.75	90.95	1,230.51	3,145.47	706.50	598.94	107.56	6.569		
10,000.00	7,730.00	7,861.55	7,696.96	76.30	33.76	91.04	1,230.51	3,145.47	792.29	684.08	108.21	7.322		
10,100.00	7,730.00	7,862.10	7,697.51	76.04	33.76	91.12	1,230.51	3,145.47	881.09	772.58	108.51	8.120		
10,200.00	7,730.00	7,862.64	7,698.05	75.79	33.76	91.20	1,230.50	3,145.48	972.06	863.46	108.60	8.951		
10,300.00	7,730.00	7,863.18	7,698.59	75.57	33.76	91.28	1,230.50	3,145.48	1,064.65	956.09	108.57	9.806		
10,400.00	7,730.00	7,863.70	7,699.11	75.36	33.76	91.36	1,230.50	3,145.48	1,158.48	1,050.01	108.47	10.680		
10,500.00	7,730.00	7,864.21	7,699.62	75.18	33.76	91.44	1,230.49	3,145.49	1,253.26	1,144.92	108.34	11.568		
10,600.00	7,730.00	7,864.72	7,700.13	75.01	33.76	91.51	1,230.49	3,145.49	1,348.79	1,240.61	108.18	12.468		
10,700.00	7,730.00	7,865.22	7,700.62	74.86	33.77	91.58	1,230.49	3,145.50	1,444.93	1,336.91	108.02	13.376		
10,800.00	7,730.00	7,865.70	7,701.11	74.74	33.77	91.66	1,230.49	3,145.50	1,541.56	1,433.70	107.86	14.292		
10,900.00	7,730.00	7,866.18	7,701.59	74.64	33.77	91.73	1,230.48	3,145.50	1,638.59	1,530.89	107.71	15.213		
11,000.00	7,730.00	7,866.65	7,702.06	74.56	33.77	91.80	1,230.48	3,145.51	1,735.96	1,628.41	107.55	16.140		
11,100.00	7,730.00	7,867.12	7,702.53	74.51	33.77	91.87	1,230.48	3,145.51	1,833.62	1,726.21	107.41	17.071		
11,200.00	7,730.00	7,867.57	7,702.98	74.48	33.77	91.94	1,230.47	3,145.51	1,931.51	1,824.24	107.27	18.006		
11,300.00	7,730.00	7,868.02	7,703.43	74.48	33.77	92.00	1,230.47	3,145.52	2,029.61	1,922.47	107.14	18.943		
11,400.00	7,730.00	7,868.46	7,703.87	74.50	33.78	92.07	1,230.47	3,145.52	2,127.88	2,020.87	107.02	19.884		
11,500.00	7,730.00	7,868.90	7,704.31	74.56	33.78	92.13	1,230.47	3,145.52	2,226.31	2,119.41	106.90	20.826		
11,600.00	7,730.00	7,869.32	7,704.73	74.66	33.78	92.20	1,230.47	3,145.53	2,324.88	2,218.09	106.79	21.770		
11,700.00	7,730.00	7,869.74	7,705.15	74.79	33.78	92.26	1,230.46	3,145.53	2,423.56	2,316.87	106.69	22.716		
11,800.00	7,730.00	7,870.16	7,705.57	74.96	33.78	92.32	1,230.46	3,145.53	2,522.34	2,415.75	106.59	23.664		
11,900.00	7,730.00	7,870.56	7,705.97	75.17	33.78	92.38	1,230.46	3,145.54	2,621.22	2,514.72	106.50	24.612		
12,000.00	7,730.00	7,870.97	7,706.37	75.43	33.78	92.44	1,230.46	3,145.54	2,720.18	2,613.76	106.41	25.562		
12,100.00	7,730.00	7,871.36	7,706.77	75.73	33.78	92.50	1,230.46	3,145.54	2,819.21	2,712.87	106.33	26.513		
12,200.00	7,730.00	7,871.75	7,707.16	76.09	33.78	92.56	1,230.45	3,145.54	2,918.31	2,812.05	106.26	27.464		
12,300.00	7,730.00	7,872.13	7,707.54	76.51	33.79	92.62	1,230.45	3,145.55	3,017.46	2,911.28	106.19	28.416		
12,400.00	7,730.00	7,872.51	7,707.92	76.97	33.79	92.67	1,230.45	3,145.55	3,116.68	3,010.55	106.12	29.369		
12,500.00	7,730.00	7,872.88	7,708.29	77.50	33.79	92.73	1,230.45	3,145.55	3,215.94	3,109.88	106.06	30.322		
12,600.00	7,730.00	7,873.25	7,708.65	78.09	33.79	92.78	1,230.45	3,145.55	3,315.24	3,209.24	106.00	31.276		
12,700.00	7,730.00	7,873.61	7,709.01	78.74	33.79	92.83	1,230.44	3,145.56	3,414.58	3,308.64	105.94	32.230		
12,800.00	7,730.00	7,873.96	7,709.37	79.45	33.79	92.89	1,230.44	3,145.56	3,513.97	3,408.08	105.89	33.185		
12,900.00	7,730.00	7,874.31	7,709.72	80.22	33.79	92.94	1,230.44	3,145.56	3,613.38	3,507.54	105.84	34.139		
13,000.00	7,730.00	7,874.66	7,710.06	81.05	33.79	92.99	1,230.44	3,145.56	3,712.83	3,607.03	105.80	35.094		
13,100.00	7,730.00	7,875.00	7,710.40	81.94	33.79	93.04	1,230.44	3,145.57	3,812.31	3,706.55	105.75	36.049		
13,200.00	7,730.00	7,875.33	7,710.74	82.87	33.79	93.09	1,230.44	3,145.57	3,911.81	3,806.10	105.71	37.004		
13,300.00	7,730.00	7,875.66	7,711.07	83.86	33.80	93.14	1,230.43	3,145.57	4,011.34	3,905.66	105.67	37.959		
13,400.00	7,730.00	7,875.99	7,711.40	84.90	33.80	93.19	1,230.43	3,145.57	4,110.89	4,005.25	105.64	38.915		
13,500.00	7,730.00	7,876.31	7,711.72	85.97	33.80	93.24	1,230.43	3,145.58	4,210.46	4,104.86	105.61	39.870		
13,600.00	7,730.00	7,876.63	7,712.03	87.09	33.80	93.28	1,230.43	3,145.58	4,310.05	4,204.48	105.57	40.825		
13,700.00	7,730.00	7,876.94	7,712.35	88.25	33.80	93.33	1,230.43	3,145.58	4,409.66	4,304.12	105.54	41.780		
13,800.00	7,730.00	7,877.25	7,712.65	89.44	33.80	93.38	1,230.43	3,145.58	4,509.29	4,403.77	105.52	42.735		
13,900.00	7,730.00	7,877.55	7,712.96	90.66	33.80	93.42	1,230.43	3,145.59	4,608.93	4,503.44	105.49	43.690		
14,000.00	7,730.00	7,877.85	7,713.26	91.92	33.80	93.47	1,230.42	3,145.59	4,708.59	4,603.12	105.47	44.645		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 21-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,730.00	7,878.15	7,713.55	93.20	33.80	93.51	1,230.42	3,145.59	4,808.26	4,702.82	105.45	45.599		
14,200.00	7,730.00	7,878.44	7,713.85	94.50	33.80	93.55	1,230.42	3,145.59	4,907.95	4,802.52	105.43	46.553		
14,300.00	7,730.00	7,878.73	7,714.13	95.83	33.80	93.60	1,230.42	3,145.59	5,007.65	4,902.24	105.41	47.508		
14,400.00	7,730.00	7,879.01	7,714.42	97.17	33.80	93.64	1,230.42	3,145.60	5,107.36	5,001.97	105.39	48.461		
14,500.00	7,730.00	7,879.29	7,714.70	98.54	33.81	93.68	1,230.42	3,145.60	5,207.08	5,101.71	105.37	49.415		
14,600.00	7,730.00	7,879.57	7,714.98	99.92	33.81	93.72	1,230.42	3,145.60	5,306.81	5,201.45	105.36	50.368		
14,700.00	7,730.00	7,879.84	7,715.25	101.32	33.81	93.76	1,230.42	3,145.60	5,406.55	5,301.21	105.35	51.321		
14,800.00	7,730.00	7,880.11	7,715.52	102.74	33.81	93.80	1,230.41	3,145.60	5,506.30	5,400.97	105.34	52.274		
14,900.00	7,730.00	7,880.38	7,715.79	104.17	33.81	93.84	1,230.41	3,145.61	5,606.06	5,500.74	105.33	53.226		
15,000.00	7,730.00	7,880.64	7,716.05	105.62	33.81	93.88	1,230.41	3,145.61	5,705.83	5,600.52	105.32	54.178		
15,100.00	7,730.00	7,880.90	7,716.31	107.07	33.81	93.92	1,230.41	3,145.61	5,805.61	5,700.30	105.31	55.130		
15,200.00	7,730.00	7,881.16	7,716.57	108.54	33.81	93.96	1,230.41	3,145.61	5,905.39	5,800.09	105.30	56.081		
15,300.00	7,730.00	7,881.41	7,716.82	110.02	33.81	94.00	1,230.41	3,145.61	6,005.18	5,899.89	105.30	57.032		
15,400.00	7,730.00	7,881.66	7,717.07	111.51	33.81	94.03	1,230.41	3,145.62	6,104.98	5,999.69	105.29	57.982		
15,500.00	7,730.00	7,881.91	7,717.32	113.01	33.81	94.07	1,230.41	3,145.62	6,204.79	6,099.50	105.29	58.932		
15,600.00	7,730.00	7,882.16	7,717.56	114.52	33.81	94.11	1,230.41	3,145.62	6,304.60	6,199.31	105.28	59.882		
15,700.00	7,730.00	7,882.40	7,717.81	116.04	33.81	94.14	1,230.41	3,145.62	6,404.41	6,299.13	105.28	60.831		
15,800.00	7,730.00	7,882.64	7,718.04	117.56	33.82	94.18	1,230.40	3,145.62	6,504.23	6,398.95	105.28	61.779		
15,900.00	7,730.00	7,882.87	7,718.28	119.09	33.82	94.21	1,230.40	3,145.62	6,604.06	6,498.78	105.28	62.727		
16,000.00	7,730.00	7,883.10	7,718.51	120.63	33.82	94.25	1,230.40	3,145.63	6,703.89	6,598.61	105.28	63.675		
16,100.00	7,730.00	7,883.33	7,718.74	122.18	33.82	94.28	1,230.40	3,145.63	6,803.73	6,698.45	105.29	64.622		
16,200.00	7,730.00	7,883.56	7,718.97	123.73	33.82	94.32	1,230.40	3,145.63	6,903.57	6,798.28	105.29	65.568		
16,300.00	7,730.00	7,883.79	7,719.20	125.29	33.82	94.35	1,230.40	3,145.63	7,003.42	6,898.13	105.29	66.514		
16,400.00	7,730.00	7,884.01	7,719.42	126.86	33.82	94.38	1,230.40	3,145.63	7,103.27	6,997.97	105.30	67.459		
16,500.00	7,730.00	7,884.23	7,719.64	128.43	33.82	94.41	1,230.40	3,145.63	7,203.13	7,097.82	105.30	68.404		
16,600.00	7,730.00	7,884.45	7,719.85	130.01	33.82	94.45	1,230.40	3,145.64	7,302.98	7,197.68	105.31	69.349		
16,700.00	7,730.00	7,884.66	7,720.07	131.59	33.82	94.48	1,230.40	3,145.64	7,402.85	7,297.53	105.32	70.292		
16,800.00	7,730.00	7,884.87	7,720.28	133.18	33.82	94.51	1,230.40	3,145.64	7,502.71	7,397.39	105.32	71.235		
16,900.00	7,730.00	7,885.08	7,720.49	134.77	33.82	94.54	1,230.40	3,145.64	7,602.58	7,497.25	105.33	72.178		
17,000.00	7,730.00	7,885.29	7,720.70	136.37	33.82	94.57	1,230.39	3,145.64	7,702.46	7,597.12	105.34	73.119		
17,100.00	7,730.00	7,885.50	7,720.90	137.97	33.82	94.60	1,230.39	3,145.64	7,802.33	7,696.98	105.35	74.061		
17,200.00	7,730.00	7,885.70	7,721.11	139.57	33.82	94.63	1,230.39	3,145.64	7,902.21	7,796.85	105.36	75.001		
17,300.00	7,730.00	7,885.90	7,721.31	141.18	33.82	94.66	1,230.39	3,145.65	8,002.10	7,896.72	105.37	75.941		
17,400.00	7,730.00	7,886.10	7,721.51	142.79	33.82	94.69	1,230.39	3,145.65	8,101.98	7,996.60	105.38	76.880		
17,500.00	7,730.00	7,886.29	7,721.70	144.41	33.83	94.72	1,230.39	3,145.65	8,201.87	8,096.47	105.40	77.819		
17,600.00	7,730.00	7,886.49	7,721.90	146.03	33.83	94.75	1,230.39	3,145.65	8,301.76	8,196.35	105.41	78.756		
17,700.00	7,730.00	7,886.68	7,722.09	147.65	33.83	94.78	1,230.39	3,145.65	8,401.65	8,296.23	105.42	79.693		
17,800.00	7,730.00	7,886.87	7,722.28	149.28	33.83	94.81	1,230.39	3,145.65	8,501.55	8,396.11	105.44	80.630		
17,900.00	7,730.00	7,887.06	7,722.47	150.91	33.83	94.83	1,230.39	3,145.65	8,601.45	8,495.99	105.45	81.565		
18,000.00	7,730.00	7,887.25	7,722.65	152.54	33.83	94.86	1,230.39	3,145.66	8,701.35	8,595.88	105.47	82.500		
18,100.00	7,730.00	7,887.43	7,722.84	154.18	33.83	94.89	1,230.39	3,145.66	8,801.25	8,695.77	105.49	83.435		
18,200.00	7,730.00	7,887.61	7,723.02	155.82	33.83	94.92	1,230.39	3,145.66	8,901.16	8,795.65	105.50	84.368		
18,300.00	7,730.00	7,887.79	7,723.20	157.46	33.83	94.94	1,230.39	3,145.66	9,001.07	8,895.54	105.52	85.301		
18,400.00	7,730.00	7,887.97	7,723.38	159.11	33.83	94.97	1,230.39	3,145.66	9,100.97	8,995.43	105.54	86.232		
18,500.00	7,730.00	7,888.15	7,723.56	160.75	33.83	95.00	1,230.38	3,145.66	9,200.89	9,095.33	105.56	87.164		
18,600.00	7,730.00	7,888.32	7,723.73	162.40	33.83	95.02	1,230.38	3,145.66	9,300.80	9,195.22	105.58	88.094		
18,700.00	7,730.00	7,888.50	7,723.90	164.05	33.83	95.05	1,230.38	3,145.66	9,400.71	9,295.12	105.60	89.023		
18,800.00	7,730.00	7,888.67	7,724.07	165.71	33.83	95.07	1,230.38	3,145.67	9,500.63	9,395.01	105.62	89.952		
18,900.00	7,730.00	7,888.84	7,724.24	167.36	33.83	95.10	1,230.38	3,145.67	9,600.55	9,494.91	105.64	90.880		
18,942.39	7,730.00	7,888.91	7,724.32	168.07	33.83	95.11	1,230.38	3,145.67	9,642.91	9,537.26	105.65	91.273		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	70.33	753.80	2,108.64	2,239.70					
100.00	100.00	80.36	80.36	0.13	0.13	70.33	753.48	2,108.34	2,239.04	2,238.78	0.26	8,564.783		
200.00	200.00	167.08	167.07	0.49	0.41	70.34	753.05	2,107.80	2,238.30	2,237.39	0.90	2,476.736		
300.00	300.00	275.95	275.95	0.85	0.80	70.33	753.35	2,107.17	2,237.86	2,236.21	1.65	1,357.894		
400.00	400.00	382.18	382.17	1.21	1.18	70.32	753.28	2,106.26	2,237.03	2,234.64	2.38	937.990		
500.00	500.00	539.26	539.17	1.57	1.74	70.40	749.33	2,104.21	2,235.09	2,231.79	3.30	677.167		
600.00	600.00	662.75	662.33	1.93	2.19	70.58	740.87	2,101.48	2,230.65	2,226.55	4.10	543.527		
700.00	700.00	742.35	741.50	2.29	2.48	70.78	732.61	2,100.87	2,226.48	2,221.72	4.75	468.259		
800.00	800.00	821.03	819.50	2.64	2.79	71.03	722.39	2,101.76	2,223.26	2,217.85	5.41	410.765		
900.00	899.98	876.84	874.65	3.00	3.01	11.68	714.03	2,103.58	2,219.80	2,213.81	5.99	370.644		
1,000.00	999.84	920.00	917.20	3.35	3.18	11.90	707.21	2,105.93	2,215.07	2,208.56	6.51	340.188		
1,100.00	1,099.45	990.70	986.65	3.71	3.48	12.30	695.21	2,111.45	2,208.79	2,201.63	7.16	308.428		
1,200.00	1,198.70	1,043.27	1,038.05	4.08	3.70	12.65	685.58	2,116.87	2,201.16	2,193.43	7.74	284.544		
1,300.00	1,297.47	1,109.00	1,102.01	4.47	3.99	13.13	673.18	2,125.53	2,192.62	2,184.23	8.39	261.471		
1,400.00	1,395.62	1,147.98	1,139.81	4.87	4.17	13.45	665.77	2,131.49	2,182.71	2,173.79	8.91	244.889		
1,500.00	1,493.06	1,213.83	1,203.59	5.31	4.48	13.99	653.53	2,142.36	2,171.42	2,161.84	9.58	226.729		
1,600.00	1,589.64	1,279.00	1,266.78	5.77	4.79	14.54	642.21	2,153.59	2,158.18	2,147.94	10.24	210.675		
1,700.00	1,685.27	1,350.77	1,336.28	6.28	5.14	15.16	630.07	2,166.76	2,143.11	2,132.15	10.96	195.605		
1,800.00	1,779.82	1,419.71	1,402.74	6.83	5.49	15.83	618.02	2,180.53	2,126.39	2,114.73	11.67	182.261		
1,900.00	1,873.17	1,501.05	1,480.78	7.43	5.92	16.68	602.87	2,197.78	2,107.75	2,095.28	12.47	169.044		
2,000.00	1,965.21	1,596.17	1,571.90	8.08	6.44	17.73	584.52	2,217.99	2,086.27	2,072.90	13.37	156.021		
2,100.00	2,055.84	1,685.56	1,657.52	8.79	6.94	18.81	567.37	2,237.08	2,062.26	2,048.00	14.26	144.604		
2,200.00	2,144.94	1,777.16	1,745.36	9.56	7.46	19.99	549.93	2,256.36	2,035.40	2,020.22	15.18	134.055		
2,300.00	2,232.39	1,850.77	1,815.90	10.39	7.89	21.05	536.12	2,272.21	2,006.52	1,990.50	16.02	125.233		
2,400.00	2,318.11	1,962.89	1,923.53	11.30	8.54	22.67	515.29	2,295.72	1,974.74	1,957.63	17.11	115.409		
2,504.60	2,405.78	2,040.90	1,998.45	12.31	8.99	24.00	500.79	2,311.95	1,938.96	1,920.91	18.05	107.396		
2,600.00	2,484.79	2,106.25	2,061.08	13.28	9.37	24.91	488.59	2,326.00	1,906.20	1,887.29	18.91	100.798		
2,700.00	2,567.60	2,209.74	2,160.10	14.32	9.99	26.41	468.52	2,348.44	1,872.91	1,852.86	20.05	93.396		
2,800.00	2,650.41	2,302.41	2,248.76	15.37	10.56	27.82	449.52	2,367.60	1,839.67	1,818.49	21.17	86.890		
2,900.00	2,733.23	2,374.09	2,317.38	16.44	10.99	28.94	435.12	2,382.44	1,807.54	1,785.35	22.19	81.451		
3,000.00	2,816.04	2,453.22	2,393.17	17.52	11.47	30.18	419.97	2,399.42	1,777.12	1,753.83	23.29	76.318		
3,100.00	2,898.85	2,541.88	2,478.08	18.60	12.01	31.61	402.71	2,418.22	1,747.65	1,723.17	24.48	71.403		
3,200.00	2,981.67	2,624.64	2,557.20	19.69	12.51	33.01	385.85	2,435.71	1,719.37	1,693.70	25.67	66.980		
3,300.00	3,064.48	2,708.84	2,637.74	20.79	13.03	34.46	369.00	2,453.53	1,692.39	1,665.48	26.91	62.896		
3,400.00	3,147.30	2,791.39	2,716.82	21.90	13.54	35.89	353.09	2,471.09	1,666.79	1,638.62	28.16	59.184		
3,500.00	3,230.11	2,879.92	2,801.65	23.00	14.08	37.46	336.15	2,489.87	1,642.48	1,612.99	29.49	55.692		
3,600.00	3,312.92	2,997.64	2,914.70	24.12	14.79	39.62	313.29	2,513.49	1,618.69	1,587.63	31.06	52.110		
3,700.00	3,395.74	3,053.68	2,968.53	25.23	15.12	40.67	302.65	2,524.88	1,596.45	1,564.21	32.24	49.517		
3,800.00	3,478.55	3,133.12	3,044.71	26.35	15.60	42.16	287.68	2,541.66	1,576.51	1,542.90	33.61	46.906		
3,900.00	3,561.36	3,222.36	3,130.24	27.47	16.15	43.89	270.26	2,560.23	1,558.07	1,522.98	35.09	44.403		
4,000.00	3,644.18	3,310.75	3,215.14	28.59	16.68	45.61	253.78	2,578.50	1,540.99	1,504.40	36.59	42.115		
4,100.00	3,726.99	3,394.12	3,295.24	29.72	17.18	47.26	238.27	2,595.66	1,525.54	1,487.46	38.08	40.061		
4,200.00	3,809.81	3,473.91	3,371.86	30.85	17.67	48.86	223.37	2,612.21	1,512.01	1,472.44	39.57	38.208		
4,300.00	3,892.62	3,550.28	3,445.03	31.98	18.14	50.43	208.25	2,628.05	1,500.68	1,459.61	41.07	36.541		
4,400.00	3,975.43	3,631.81	3,523.06	33.11	18.64	52.13	191.97	2,645.16	1,491.54	1,448.91	42.63	34.988		
4,500.00	4,058.25	3,732.59	3,619.73	34.24	19.26	54.21	173.00	2,666.41	1,483.96	1,439.59	44.38	33.441		
4,600.00	4,141.06	3,800.62	3,684.99	35.37	19.68	55.62	160.31	2,680.78	1,478.25	1,432.41	45.85	32.244		
4,700.00	4,223.87	3,889.92	3,770.48	36.50	20.23	57.50	142.78	2,699.76	1,475.04	1,427.51	47.53	31.033		
4,800.00	4,306.69	3,969.79	3,847.05	37.64	20.72	59.19	127.23	2,716.33	1,473.37	1,424.23	49.14	29.983		
4,813.05	4,317.49	3,978.99	3,855.86	37.79	20.78	59.38	125.45	2,718.29	1,473.35	1,424.01	49.34	29.862		
4,900.00	4,389.50	4,048.84	3,922.68	38.77	21.21	60.84	111.98	2,733.50	1,474.30	1,423.55	50.75	29.053		
5,000.00	4,472.32	4,148.76	4,018.40	39.91	21.83	62.94	92.63	2,754.65	1,476.86	1,424.29	52.57	28.091		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 22-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,241.45	4,107.54	41.05	22.39	64.84	76.35	2,774.18	1,480.28	1,425.95	54.33	27.248		
5,200.00	4,637.94	4,316.34	4,179.47	42.18	22.84	66.38	62.83	2,790.06	1,485.98	1,430.07	55.90	26.582		
5,300.00	4,720.76	4,397.92	4,257.75	43.32	23.34	68.07	47.21	2,806.91	1,493.87	1,436.32	57.55	25.958		
5,400.00	4,803.57	4,461.30	4,318.40	44.46	23.74	69.38	34.75	2,820.40	1,504.38	1,445.40	58.99	25.504		
5,500.00	4,886.39	4,531.90	4,385.73	45.60	24.19	70.81	20.55	2,836.21	1,517.71	1,457.22	60.49	25.092		
5,600.00	4,969.20	4,602.75	4,453.16	46.74	24.65	72.25	5.30	2,851.71	1,533.50	1,471.52	61.98	24.743		
5,700.00	5,052.01	4,670.73	4,517.66	47.88	25.09	73.63	-9.86	2,866.90	1,551.89	1,488.48	63.41	24.474		
5,800.00	5,134.83	4,826.07	4,666.17	49.02	26.07	76.68	-41.20	2,899.92	1,569.51	1,503.56	65.95	23.798		
5,900.00	5,217.64	4,942.82	4,778.64	50.16	26.76	78.94	-63.01	2,922.33	1,587.24	1,519.28	67.96	23.356		
6,000.00	5,300.45	5,103.43	4,934.89	51.30	27.63	82.02	-89.23	2,948.55	1,603.48	1,533.12	70.36	22.789		
6,100.00	5,383.27	5,344.83	5,173.00	52.45	28.70	86.53	-114.20	2,978.55	1,615.24	1,542.11	73.13	22.088		
6,200.00	5,466.08	5,528.00	5,355.55	53.59	29.32	90.04	-124.03	2,989.38	1,622.52	1,547.41	75.10	21.604		
6,300.00	5,548.90	5,655.84	5,483.33	54.73	29.66	92.52	-126.39	2,992.52	1,627.37	1,550.64	76.73	21.209		
6,400.00	5,631.71	5,758.00	5,585.48	55.87	29.92	94.51	-126.77	2,993.69	1,632.54	1,554.29	78.25	20.864		
6,500.00	5,714.52	5,845.40	5,672.87	57.02	30.13	96.21	-126.69	2,994.01	1,638.96	1,559.27	79.69	20.566		
6,600.00	5,797.34	5,926.85	5,754.33	58.16	30.32	97.80	-126.83	2,993.99	1,647.35	1,566.27	81.08	20.318		
6,700.00	5,880.15	6,017.70	5,845.17	59.30	30.53	99.54	-126.60	2,994.25	1,657.34	1,574.91	82.43	20.107		
6,800.00	5,962.96	6,104.38	5,931.85	60.45	30.72	101.20	-126.22	2,994.07	1,668.86	1,585.15	83.71	19.937		
6,900.00	6,045.78	6,182.72	6,010.19	61.59	30.89	102.70	-126.01	2,993.59	1,682.22	1,597.31	84.91	19.811		
7,000.00	6,128.59	6,265.58	6,093.05	62.73	31.07	104.26	-125.83	2,993.25	1,697.44	1,611.36	86.07	19.721		
7,100.00	6,211.41	6,345.10	6,172.57	63.88	31.25	105.72	-125.64	2,993.22	1,714.40	1,627.23	87.17	19.668		
7,200.00	6,294.22	6,433.26	6,260.73	65.02	31.45	107.33	-125.54	2,992.88	1,733.07	1,644.85	88.22	19.644		
7,300.00	6,377.03	6,530.26	6,357.72	66.17	31.67	109.08	-124.87	2,992.16	1,752.83	1,663.59	89.24	19.641		
7,400.00	6,459.85	6,611.91	6,439.36	67.31	31.87	110.49	-123.62	2,993.01	1,773.63	1,683.44	90.20	19.664		
7,500.00	6,542.66	6,686.35	6,513.79	68.46	32.06	111.73	-122.86	2,994.17	1,796.32	1,705.23	91.09	19.721		
7,600.00	6,625.48	6,768.05	6,595.48	69.60	32.27	113.09	-122.31	2,995.12	1,820.62	1,728.67	91.95	19.800		
7,700.00	6,708.29	6,863.69	6,691.08	70.75	32.52	114.60	-121.31	2,997.59	1,845.97	1,753.13	92.83	19.885		
7,800.00	6,791.10	6,931.36	6,758.74	71.89	32.70	115.67	-120.79	2,998.70	1,872.72	1,779.16	93.57	20.015		
7,900.00	6,873.92	7,002.09	6,829.46	73.04	32.87	116.79	-120.69	2,998.78	1,901.23	1,806.99	94.24	20.175		
8,000.00	6,956.73	7,085.44	6,912.81	74.18	33.08	118.11	-120.95	2,998.35	1,931.33	1,836.43	94.90	20.351		
8,100.00	7,039.54	7,178.09	7,005.46	75.33	33.30	119.53	-120.79	2,997.56	1,962.22	1,866.66	95.56	20.535		
8,165.32	7,093.63	7,239.70	7,067.06	76.08	33.44	120.47	-120.43	2,996.93	1,982.79	1,886.83	95.97	20.661		
8,200.00	7,122.60	7,275.34	7,102.70	76.47	33.53	116.09	-120.07	2,996.51	1,992.80	1,896.61	96.19	20.718		
8,250.00	7,165.05	7,327.53	7,154.88	77.01	33.65	109.10	-119.32	2,995.81	2,003.73	1,907.23	96.50	20.763		
8,300.00	7,208.03	7,355.23	7,182.57	77.52	33.71	101.14	-119.03	2,995.54	2,010.81	1,914.09	96.73	20.789		
8,350.00	7,251.22	7,388.01	7,215.36	77.99	33.79	93.02	-118.84	2,995.32	2,014.10	1,917.15	96.95	20.774		
8,400.00	7,294.28	7,425.01	7,252.36	78.41	33.88	85.17	-118.82	2,995.22	2,013.58	1,916.40	97.18	20.720		
8,450.00	7,336.90	7,469.78	7,297.13	78.78	33.99	78.05	-118.77	2,994.97	2,009.07	1,911.65	97.42	20.623		
8,500.00	7,378.73	7,513.44	7,340.78	79.10	34.10	71.82	-118.65	2,994.51	2,000.56	1,902.94	97.62	20.493		
8,550.00	7,419.47	7,554.92	7,382.26	79.37	34.20	66.58	-118.52	2,994.16	1,988.17	1,890.37	97.80	20.329		
8,600.00	7,458.81	7,595.35	7,422.69	79.59	34.30	62.35	-118.40	2,993.99	1,971.97	1,874.03	97.95	20.133		
8,650.00	7,496.44	7,636.26	7,463.60	79.76	34.40	59.13	-118.25	2,993.92	1,952.09	1,854.01	98.08	19.904		
8,700.00	7,532.08	7,675.06	7,502.40	79.88	34.50	56.80	-118.04	2,993.88	1,928.64	1,830.47	98.17	19.645		
8,750.00	7,565.46	7,707.05	7,534.39	79.95	34.58	55.19	-117.84	2,993.86	1,901.84	1,803.62	98.21	19.364		
8,800.00	7,596.33	7,732.89	7,560.23	79.98	34.65	54.26	-117.74	2,993.88	1,871.97	1,773.76	98.21	19.062		
8,850.00	7,624.44	7,756.62	7,583.96	79.97	34.72	54.07	-117.71	2,993.92	1,839.25	1,741.09	98.17	18.736		
8,900.00	7,649.59	7,778.04	7,605.37	79.93	34.77	54.65	-117.75	2,993.99	1,803.89	1,705.79	98.10	18.389		
8,950.00	7,671.59	7,798.89	7,626.23	79.84	34.83	56.12	-117.82	2,994.06	1,766.10	1,668.09	98.01	18.019		
9,000.00	7,690.26	7,817.83	7,645.17	79.73	34.88	58.59	-117.88	2,994.12	1,726.11	1,628.20	97.91	17.630		
9,050.00	7,705.47	7,833.28	7,660.62	79.59	34.93	62.20	-117.94	2,994.17	1,684.18	1,586.41	97.78	17.225		
9,100.00	7,717.09	7,845.12	7,672.45	79.43	34.96	67.22	-117.98	2,994.20	1,640.60	1,542.98	97.62	16.805		
9,150.00	7,725.04	7,853.26	7,680.60	79.26	34.98	73.99	-118.00	2,994.22	1,595.66	1,498.21	97.45	16.374		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,857.66	7,684.99	79.06	35.00	82.91	-118.02	2,994.23	1,549.66	1,452.39	97.27	15.932		
9,231.13	7,730.00	7,858.49	7,685.82	78.93	35.00	89.66	-118.02	2,994.23	1,520.60	1,423.46	97.14	15.653		
9,300.00	7,730.00	7,858.70	7,686.04	78.65	35.00	89.68	-118.02	2,994.23	1,456.27	1,359.41	96.85	15.036		
9,400.00	7,730.00	7,859.01	7,686.35	78.26	35.00	89.71	-118.02	2,994.23	1,363.63	1,267.27	96.36	14.151		
9,500.00	7,730.00	7,859.32	7,686.66	77.89	35.00	89.75	-118.02	2,994.23	1,272.12	1,176.35	95.77	13.283		
9,600.00	7,730.00	7,859.63	7,686.96	77.53	35.00	89.78	-118.02	2,994.23	1,181.97	1,086.93	95.05	12.436		
9,700.00	7,730.00	7,859.93	7,687.27	77.19	35.00	89.81	-118.02	2,994.23	1,093.54	999.39	94.15	11.614		
9,800.00	7,730.00	7,860.24	7,687.58	76.88	35.00	89.85	-118.02	2,994.24	1,007.28	914.24	93.04	10.826		
9,900.00	7,730.00	7,860.55	7,687.89	76.58	35.00	89.88	-118.02	2,994.24	923.80	832.15	91.65	10.080		
10,000.00	7,730.00	7,860.85	7,688.19	76.30	35.00	89.91	-118.03	2,994.24	843.91	754.01	89.89	9.388		
10,100.00	7,730.00	7,861.16	7,688.50	76.04	35.01	89.95	-118.03	2,994.24	768.74	681.05	87.69	8.766		
10,200.00	7,730.00	7,861.47	7,688.80	75.79	35.01	89.98	-118.03	2,994.24	699.81	614.83	84.99	8.234		
10,300.00	7,730.00	7,861.77	7,689.11	75.57	35.01	90.01	-118.03	2,994.24	639.15	557.33	81.83	7.811		
10,400.00	7,730.00	7,862.08	7,689.41	75.36	35.01	90.04	-118.03	2,994.24	589.32	510.79	78.52	7.505		
10,500.00	7,730.00	7,862.38	7,689.72	75.18	35.01	90.08	-118.03	2,994.24	553.24	477.40	75.84	7.295		
10,600.00	7,730.00	7,862.68	7,690.02	75.01	35.01	90.11	-118.03	2,994.24	533.72	458.91	74.81	7.134		
10,656.11	7,730.00	7,862.85	7,690.19	74.92	35.01	90.13	-118.03	2,994.24	530.76	455.55	75.21	7.057 CC, ES		
10,700.00	7,730.00	7,862.99	7,690.32	74.86	35.01	90.14	-118.03	2,994.24	532.57	456.59	75.98	7.010		
10,800.00	7,730.00	7,863.29	7,690.63	74.74	35.01	90.18	-118.03	2,994.24	549.92	471.09	78.83	6.976 SF		
10,900.00	7,730.00	7,863.59	7,690.93	74.64	35.01	90.21	-118.03	2,994.24	584.11	501.78	82.34	7.094		
11,000.00	7,730.00	7,863.89	7,691.23	74.56	35.01	90.24	-118.03	2,994.24	632.43	546.71	85.71	7.378		
11,100.00	7,730.00	7,864.19	7,691.53	74.51	35.01	90.27	-118.04	2,994.24	691.91	603.31	88.61	7.809		
11,200.00	7,730.00	7,864.49	7,691.83	74.48	35.01	90.31	-118.04	2,994.24	759.95	669.00	90.95	8.356		
11,300.00	7,730.00	7,864.79	7,692.13	74.48	35.02	90.34	-118.04	2,994.25	834.45	741.65	92.79	8.993		
11,400.00	7,730.00	7,865.09	7,692.43	74.50	35.02	90.37	-118.04	2,994.25	913.83	819.59	94.24	9.697		
11,500.00	7,730.00	7,865.39	7,692.73	74.56	35.02	90.40	-118.04	2,994.25	996.92	901.56	95.36	10.454		
11,600.00	7,730.00	7,865.69	7,693.03	74.66	35.02	90.43	-118.04	2,994.25	1,082.88	986.63	96.25	11.250		
11,700.00	7,730.00	7,865.99	7,693.33	74.79	35.02	90.47	-118.04	2,994.25	1,171.07	1,074.11	96.96	12.078		
11,800.00	7,730.00	7,866.28	7,693.62	74.96	35.02	90.50	-118.04	2,994.25	1,261.02	1,163.50	97.52	12.930		
11,900.00	7,730.00	7,866.58	7,693.92	75.17	35.02	90.53	-118.04	2,994.25	1,352.39	1,254.41	97.98	13.802		
12,000.00	7,730.00	7,866.88	7,694.22	75.43	35.02	90.56	-118.04	2,994.25	1,444.90	1,346.54	98.36	14.690		
12,100.00	7,730.00	7,867.17	7,694.51	75.73	35.02	90.60	-118.04	2,994.25	1,538.35	1,439.68	98.67	15.591		
12,200.00	7,730.00	7,867.47	7,694.81	76.09	35.02	90.63	-118.05	2,994.25	1,632.57	1,533.64	98.93	16.502		
12,300.00	7,730.00	7,867.77	7,695.10	76.51	35.02	90.66	-118.05	2,994.25	1,727.44	1,628.30	99.15	17.423		
12,400.00	7,730.00	7,868.06	7,695.40	76.97	35.02	90.69	-118.05	2,994.25	1,822.87	1,723.53	99.34	18.351		
12,500.00	7,730.00	7,868.35	7,695.69	77.50	35.03	90.72	-118.05	2,994.25	1,918.75	1,819.26	99.50	19.285		
12,600.00	7,730.00	7,868.65	7,695.99	78.09	35.03	90.75	-118.05	2,994.25	2,015.04	1,915.41	99.63	20.225		
12,700.00	7,730.00	7,868.94	7,696.28	78.74	35.03	90.79	-118.05	2,994.25	2,111.67	2,011.92	99.75	21.169		
12,800.00	7,730.00	7,869.23	7,696.57	79.45	35.03	90.82	-118.05	2,994.25	2,208.61	2,108.75	99.86	22.117		
12,900.00	7,730.00	7,869.53	7,696.86	80.22	35.03	90.85	-118.05	2,994.26	2,305.80	2,205.85	99.95	23.069		
13,000.00	7,730.00	7,869.82	7,697.16	81.05	35.03	90.88	-118.05	2,994.26	2,403.22	2,303.19	100.04	24.023		
13,100.00	7,730.00	7,870.11	7,697.45	81.94	35.03	90.91	-118.05	2,994.26	2,500.85	2,400.74	100.11	24.980		
13,200.00	7,730.00	7,870.40	7,697.74	82.87	35.03	90.94	-118.05	2,994.26	2,598.66	2,498.48	100.18	25.940		
13,300.00	7,730.00	7,870.69	7,698.03	83.86	35.03	90.97	-118.06	2,994.26	2,696.63	2,596.39	100.24	26.901		
13,400.00	7,730.00	7,870.98	7,698.32	84.90	35.03	91.01	-118.06	2,994.26	2,794.74	2,694.44	100.30	27.864		
13,500.00	7,730.00	7,871.27	7,698.61	85.97	35.03	91.04	-118.06	2,994.26	2,892.98	2,792.63	100.35	28.829		
13,600.00	7,730.00	7,871.56	7,698.90	87.09	35.03	91.07	-118.06	2,994.26	2,991.34	2,890.94	100.40	29.795		
13,700.00	7,730.00	7,871.85	7,699.19	88.25	35.04	91.10	-118.06	2,994.26	3,089.81	2,989.36	100.44	30.762		
13,800.00	7,730.00	7,872.14	7,699.47	89.44	35.04	91.13	-118.06	2,994.26	3,188.37	3,087.88	100.48	31.730		
13,900.00	7,730.00	7,872.42	7,699.76	90.66	35.04	91.16	-118.06	2,994.26	3,287.01	3,186.49	100.52	32.699		
14,000.00	7,730.00	7,872.71	7,700.05	91.92	35.04	91.19	-118.06	2,994.26	3,385.74	3,285.18	100.56	33.668		
14,100.00	7,730.00	7,873.00	7,700.34	93.20	35.04	91.22	-118.06	2,994.26	3,484.54	3,383.94	100.60	34.639		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,873.28	7,700.62	94.50	35.04	91.25	-118.06	2,994.26	3,583.40	3,482.77	100.63	35.609		
14,300.00	7,730.00	7,873.57	7,700.91	95.83	35.04	91.29	-118.06	2,994.26	3,682.33	3,581.66	100.66	36.581		
14,400.00	7,730.00	7,873.85	7,701.19	97.17	35.04	91.32	-118.06	2,994.26	3,781.31	3,680.62	100.69	37.552		
14,500.00	7,730.00	7,874.14	7,701.48	98.54	35.04	91.35	-118.07	2,994.26	3,880.35	3,779.62	100.72	38.524		
14,600.00	7,730.00	7,874.42	7,701.76	99.92	35.04	91.38	-118.07	2,994.27	3,979.43	3,878.67	100.75	39.496		
14,700.00	7,730.00	7,874.71	7,702.05	101.32	35.04	91.41	-118.07	2,994.27	4,078.56	3,977.77	100.78	40.469		
14,800.00	7,730.00	7,874.99	7,702.33	102.74	35.04	91.44	-118.07	2,994.27	4,177.73	4,076.92	100.81	41.441		
14,900.00	7,730.00	7,875.27	7,702.61	104.17	35.04	91.47	-118.07	2,994.27	4,276.93	4,176.10	100.84	42.414		
15,000.00	7,730.00	7,875.56	7,702.90	105.62	35.05	91.50	-118.07	2,994.27	4,376.18	4,275.31	100.87	43.386		
15,100.00	7,730.00	7,875.84	7,703.18	107.07	35.05	91.53	-118.07	2,994.27	4,475.46	4,374.56	100.89	44.359		
15,200.00	7,730.00	7,876.12	7,703.46	108.54	35.05	91.56	-118.07	2,994.27	4,574.77	4,473.85	100.92	45.331		
15,300.00	7,730.00	7,876.40	7,703.74	110.02	35.05	91.59	-118.07	2,994.27	4,674.10	4,573.16	100.94	46.304		
15,400.00	7,730.00	7,876.68	7,704.02	111.51	35.05	91.62	-118.07	2,994.27	4,773.47	4,672.50	100.97	47.276		
15,500.00	7,730.00	7,876.96	7,704.30	113.01	35.05	91.65	-118.07	2,994.27	4,872.86	4,771.87	101.00	48.248		
15,600.00	7,730.00	7,877.24	7,704.58	114.52	35.05	91.68	-118.07	2,994.27	4,972.28	4,871.26	101.02	49.220		
15,700.00	7,730.00	7,877.52	7,704.86	116.04	35.05	91.71	-118.08	2,994.27	5,071.72	4,970.67	101.05	50.191		
15,800.00	7,730.00	7,877.80	7,705.14	117.56	35.05	91.74	-118.08	2,994.27	5,171.18	5,070.11	101.07	51.163		
15,900.00	7,730.00	7,878.08	7,705.42	119.09	35.05	91.77	-118.08	2,994.27	5,270.66	5,169.56	101.10	52.134		
16,000.00	7,730.00	7,878.36	7,705.70	120.63	35.05	91.80	-118.08	2,994.27	5,370.16	5,269.04	101.12	53.104		
16,100.00	7,730.00	7,878.64	7,705.98	122.18	35.05	91.83	-118.08	2,994.27	5,469.68	5,368.53	101.15	54.075		
16,200.00	7,730.00	7,878.91	7,706.25	123.73	35.05	91.86	-118.08	2,994.27	5,569.22	5,468.04	101.18	55.045		
16,300.00	7,730.00	7,879.19	7,706.53	125.29	35.06	91.89	-118.08	2,994.27	5,668.77	5,567.57	101.20	56.014		
16,400.00	7,730.00	7,879.47	7,706.81	126.86	35.06	91.92	-118.08	2,994.28	5,768.34	5,667.11	101.23	56.984		
16,500.00	7,730.00	7,879.74	7,707.08	128.43	35.06	91.95	-118.08	2,994.28	5,867.92	5,766.67	101.25	57.952		
16,600.00	7,730.00	7,880.02	7,707.36	130.01	35.06	91.98	-118.08	2,994.28	5,967.52	5,866.24	101.28	58.921		
16,700.00	7,730.00	7,880.29	7,707.63	131.59	35.06	92.01	-118.08	2,994.28	6,067.13	5,965.82	101.31	59.888		
16,800.00	7,730.00	7,880.57	7,707.91	133.18	35.06	92.04	-118.08	2,994.28	6,166.75	6,065.41	101.33	60.856		
16,900.00	7,730.00	7,880.84	7,708.18	134.77	35.06	92.07	-118.09	2,994.28	6,266.38	6,165.02	101.36	61.823		
17,000.00	7,730.00	7,881.12	7,708.46	136.37	35.06	92.10	-118.09	2,994.28	6,366.03	6,264.64	101.39	62.789		
17,100.00	7,730.00	7,881.39	7,708.73	137.97	35.06	92.13	-118.09	2,994.28	6,465.69	6,364.27	101.42	63.754		
17,200.00	7,730.00	7,881.66	7,709.00	139.57	35.06	92.16	-118.09	2,994.28	6,565.35	6,463.91	101.44	64.720		
17,300.00	7,730.00	7,881.94	7,709.28	141.18	35.06	92.19	-118.09	2,994.28	6,665.03	6,563.56	101.47	65.684		
17,400.00	7,730.00	7,882.21	7,709.55	142.79	35.06	92.22	-118.09	2,994.28	6,764.72	6,663.22	101.50	66.648		
17,500.00	7,730.00	7,882.48	7,709.82	144.41	35.06	92.25	-118.09	2,994.28	6,864.41	6,762.89	101.53	67.611		
17,600.00	7,730.00	7,882.75	7,710.09	146.03	35.07	92.28	-118.09	2,994.28	6,964.12	6,862.56	101.56	68.574		
17,700.00	7,730.00	7,883.02	7,710.36	147.65	35.07	92.30	-118.09	2,994.28	7,063.83	6,962.25	101.58	69.536		
17,800.00	7,730.00	7,883.29	7,710.63	149.28	35.07	92.33	-118.09	2,994.28	7,163.55	7,061.94	101.61	70.498		
17,900.00	7,730.00	7,883.56	7,710.90	150.91	35.07	92.36	-118.09	2,994.28	7,263.28	7,161.64	101.64	71.458		
18,000.00	7,730.00	7,883.83	7,711.17	152.54	35.07	92.39	-118.09	2,994.28	7,363.02	7,261.34	101.67	72.418		
18,100.00	7,730.00	7,884.10	7,711.44	154.18	35.07	92.42	-118.09	2,994.28	7,462.76	7,361.05	101.70	73.378		
18,200.00	7,730.00	7,884.37	7,711.71	155.82	35.07	92.45	-118.10	2,994.28	7,562.51	7,460.77	101.73	74.336		
18,300.00	7,730.00	7,884.64	7,711.98	157.46	35.07	92.48	-118.10	2,994.29	7,662.26	7,560.50	101.76	75.294		
18,400.00	7,730.00	7,884.91	7,712.25	159.11	35.07	92.51	-118.10	2,994.29	7,762.03	7,660.23	101.80	76.251		
18,500.00	7,730.00	7,885.18	7,712.51	160.75	35.07	92.54	-118.10	2,994.29	7,861.79	7,759.97	101.83	77.208		
18,600.00	7,730.00	7,884.90	7,712.24	162.40	35.07	92.51	-118.10	2,994.29	7,961.57	7,859.71	101.86	78.164		
18,700.00	7,730.00	7,885.13	7,712.47	164.05	35.07	92.53	-118.10	2,994.29	8,061.35	7,959.46	101.89	79.119		
18,800.00	7,730.00	7,885.37	7,712.70	165.71	35.07	92.56	-118.10	2,994.29	8,161.13	8,059.21	101.92	80.073		
18,900.00	7,730.00	7,885.60	7,712.93	167.36	35.07	92.58	-118.10	2,994.29	8,260.93	8,158.97	101.95	81.026		
18,942.39	7,730.00	7,885.69	7,713.03	168.07	35.07	92.59	-118.10	2,994.29	8,303.23	8,201.26	101.97	81.430		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 31-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 109-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	82.10	747.01	5,384.57	5,436.74					
100.00	100.00	1,152.00	1,134.43	0.13	4.79	80.99	831.93	5,244.70	5,426.15	5,421.36	4.79	1,132.148		
200.00	200.00	1,207.00	1,187.62	0.49	5.09	80.89	838.57	5,232.44	5,405.88	5,400.66	5.22	1,036.087		
300.00	300.00	1,256.59	1,235.76	0.85	5.36	80.82	844.28	5,221.95	5,386.59	5,380.87	5.72	941.017		
400.00	400.00	1,335.46	1,312.42	1.21	5.78	80.69	853.22	5,205.72	5,367.90	5,361.50	6.40	838.799		
500.00	500.00	1,454.79	1,428.25	1.57	6.42	80.49	867.74	5,180.96	5,349.20	5,341.92	7.28	734.702		
600.00	600.00	1,645.59	1,612.56	1.93	7.50	80.13	893.92	5,139.17	5,329.74	5,321.21	8.52	625.444		
700.00	700.00	1,718.58	1,682.98	2.29	7.92	79.99	903.76	5,122.66	5,309.47	5,300.26	9.22	576.160		
800.00	800.00	1,817.59	1,778.53	2.64	8.48	79.81	917.08	5,100.39	5,289.39	5,279.35	10.03	527.112		
900.00	899.98	1,883.97	1,842.72	3.00	8.86	20.26	925.46	5,085.75	5,268.06	5,257.36	10.70	492.345		
1,000.00	999.84	1,939.98	1,897.06	3.35	9.16	20.34	931.97	5,073.82	5,244.19	5,232.88	11.31	463.556		
1,100.00	1,099.45	1,994.00	1,949.62	3.71	9.45	20.46	937.86	5,062.83	5,217.97	5,206.06	11.91	437.972		
1,200.00	1,198.70	2,127.19	2,079.20	4.08	10.17	20.52	952.66	5,035.83	5,188.78	5,175.91	12.86	403.376		
1,300.00	1,297.47	2,237.75	2,186.43	4.47	10.78	20.63	965.93	5,012.39	5,155.68	5,141.95	13.72	375.693		
1,400.00	1,395.62	2,310.10	2,256.58	4.87	11.18	20.82	974.87	4,997.14	5,119.73	5,105.31	14.41	355.192		
1,500.00	1,493.06	2,378.58	2,323.10	5.31	11.55	21.06	983.10	4,983.08	5,081.21	5,066.13	15.09	336.759		
1,600.00	1,589.64	2,472.23	2,414.05	5.77	12.06	21.31	994.64	4,963.99	5,039.90	5,024.02	15.88	317.414		
1,700.00	1,685.27	2,572.55	2,511.36	6.28	12.61	21.60	1,007.45	4,943.22	4,995.43	4,978.73	16.70	299.056		
1,800.00	1,779.82	2,636.80	2,573.75	6.83	12.96	21.97	1,015.42	4,930.09	4,948.29	4,930.91	17.37	284.838		
1,900.00	1,873.17	2,711.96	2,646.90	7.43	13.36	22.38	1,024.04	4,915.15	4,898.64	4,880.55	18.08	270.879		
2,000.00	1,965.21	2,800.00	2,823.20	8.08	9.29	22.86	1,045.62	4,877.69	4,845.86	4,830.82	15.04	322.236		
2,100.00	2,055.84	3,002.32	2,928.32	8.79	14.98	23.41	1,059.22	4,853.11	4,788.52	4,768.38	20.14	237.776		
2,200.00	2,144.94	3,053.94	2,978.19	9.56	15.28	24.02	1,065.93	4,841.61	4,729.01	4,708.22	20.78	227.529		
2,300.00	2,232.39	3,104.52	3,027.02	10.39	15.57	24.68	1,073.13	4,830.54	4,667.44	4,646.00	21.44	217.727		
2,400.00	2,318.11	3,201.41	3,120.41	11.30	16.13	25.43	1,087.90	4,809.36	4,603.56	4,581.25	22.30	206.396		
2,504.60	2,405.78	3,264.60	3,181.25	12.31	16.50	26.29	1,097.71	4,795.39	4,534.01	4,510.96	23.06	196.628		
2,600.00	2,484.79	3,335.01	3,249.05	13.28	16.91	26.36	1,108.85	4,780.04	4,469.67	4,445.86	23.81	187.739		
2,700.00	2,567.60	3,455.74	3,365.25	14.32	17.63	26.50	1,127.35	4,753.00	4,401.72	4,376.93	24.78	177.596		
2,800.00	2,650.41	3,555.34	3,461.20	15.37	18.21	26.64	1,141.06	4,730.06	4,333.12	4,307.46	25.67	168.826		
2,900.00	2,733.23	3,609.77	3,513.75	16.44	18.52	26.74	1,147.66	4,717.53	4,264.40	4,238.02	26.38	161.649		
3,000.00	2,816.04	3,646.93	3,549.72	17.52	18.73	26.81	1,152.10	4,709.29	4,196.26	4,169.21	27.04	155.158		
3,100.00	2,898.85	3,700.21	3,601.38	18.60	19.03	26.91	1,158.48	4,697.94	4,128.72	4,100.95	27.78	148.640		
3,200.00	2,981.67	3,796.17	3,694.29	19.69	19.57	27.09	1,170.23	4,677.01	4,060.86	4,032.20	28.66	141.714		
3,300.00	3,064.48	3,845.93	3,742.45	20.79	19.85	27.19	1,176.54	4,666.23	3,993.22	3,963.82	29.40	135.835		
3,400.00	3,147.30	3,961.97	3,854.74	21.90	20.51	27.41	1,191.44	4,641.03	3,925.66	3,895.31	30.35	129.360		
3,500.00	3,230.11	4,007.84	3,899.13	23.00	20.77	27.51	1,197.06	4,630.93	3,857.73	3,826.64	31.09	124.076		
3,600.00	3,312.92	4,055.00	3,944.89	24.12	21.03	27.62	1,202.50	4,620.91	3,790.31	3,758.46	31.85	118.997		
3,700.00	3,395.74	4,097.47	3,986.22	25.23	21.25	27.73	1,207.09	4,612.25	3,723.48	3,690.87	32.60	114.203		
3,800.00	3,478.55	4,150.00	4,037.49	26.35	21.53	27.88	1,212.31	4,602.10	3,657.32	3,623.93	33.39	109.526		
3,900.00	3,561.36	4,184.87	4,071.63	27.47	21.70	27.99	1,215.45	4,595.71	3,591.78	3,557.63	34.14	105.192		
4,000.00	3,644.18	4,243.00	4,128.69	28.59	21.98	28.20	1,220.05	4,585.62	3,526.94	3,491.99	34.96	100.894		
4,100.00	3,726.99	4,269.53	4,154.79	29.72	22.10	28.30	1,221.90	4,581.30	3,462.77	3,427.06	35.72	96.953		
4,200.00	3,809.81	4,306.08	4,190.84	30.85	22.26	28.44	1,224.23	4,575.74	3,399.55	3,363.04	36.51	93.122		
4,300.00	3,892.62	4,337.00	4,221.41	31.98	22.40	28.57	1,226.02	4,571.39	3,337.29	3,299.99	37.30	89.464		
4,400.00	3,975.43	4,381.04	4,265.02	33.11	22.58	28.77	1,228.36	4,565.74	3,276.00	3,237.87	38.13	85.922		
4,500.00	4,058.25	4,430.00	4,313.61	34.24	22.77	29.00	1,230.76	4,560.22	3,215.78	3,176.80	38.97	82.511		
4,600.00	4,141.06	4,472.28	4,355.62	35.37	22.93	29.20	1,232.60	4,555.90	3,156.41	3,116.59	39.82	79.266		
4,700.00	4,223.87	4,523.00	4,406.08	36.50	23.12	29.47	1,234.41	4,551.04	3,097.73	3,057.04	40.69	76.122		
4,800.00	4,306.69	4,575.72	4,458.58	37.64	23.30	29.76	1,236.03	4,546.49	3,039.86	2,998.28	41.58	73.106		
4,900.00	4,389.50	4,617.00	4,499.72	38.77	23.44	29.99	1,237.25	4,543.36	2,982.99	2,940.52	42.47	70.234		
5,000.00	4,472.32	4,671.06	4,553.65	39.91	23.61	30.31	1,238.53	4,539.89	2,927.10	2,883.71	43.39	67.462		
5,100.00	4,555.13	4,721.36	4,603.88	41.05	23.76	30.63	1,239.19	4,537.31	2,872.27	2,827.95	44.32	64.808		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 31-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 109-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,780.12	4,662.60	42.18	23.93	31.02	1,239.31	4,534.86	2,818.33	2,773.05	45.27	62.251		
5,300.00	4,720.76	4,841.04	4,723.47	43.32	24.10	31.46	1,238.89	4,532.84	2,765.22	2,718.97	46.25	59.787		
5,400.00	4,803.57	4,897.00	4,779.41	44.46	24.25	31.86	1,238.79	4,531.31	2,712.90	2,665.66	47.24	57.425		
5,500.00	4,886.39	4,950.15	4,832.56	45.60	24.38	32.25	1,238.82	4,530.39	2,661.64	2,613.40	48.25	55.169		
5,600.00	4,969.20	5,004.75	4,887.15	46.74	24.51	32.67	1,238.75	4,530.21	2,611.68	2,562.41	49.27	53.006		
5,700.00	5,052.01	5,092.17	4,974.57	47.88	24.72	33.35	1,238.62	4,530.18	2,562.29	2,511.92	50.36	50.876		
5,800.00	5,134.83	5,191.10	5,073.51	49.02	24.96	34.15	1,238.54	4,529.73	2,512.82	2,461.32	51.50	48.789		
5,900.00	5,217.64	5,280.49	5,162.89	50.16	25.19	34.91	1,238.42	4,528.92	2,463.29	2,410.62	52.67	46.772		
6,000.00	5,300.45	5,358.39	5,240.79	51.30	25.40	35.59	1,238.35	4,528.19	2,414.03	2,360.19	53.84	44.834		
6,100.00	5,383.27	5,443.98	5,326.37	52.45	25.62	36.36	1,238.35	4,527.38	2,365.12	2,310.06	55.06	42.952		
6,200.00	5,466.08	5,531.88	5,414.26	53.59	25.86	37.19	1,238.23	4,526.38	2,316.41	2,260.09	56.32	41.129		
6,300.00	5,548.90	5,624.58	5,506.95	54.73	26.11	38.12	1,237.70	4,525.00	2,267.80	2,210.18	57.62	39.358		
6,400.00	5,631.71	5,715.69	5,598.05	55.87	26.35	39.07	1,236.89	4,523.20	2,219.22	2,160.26	58.96	37.641		
6,500.00	5,714.52	5,799.11	5,681.44	57.02	26.59	39.98	1,236.16	4,521.31	2,170.86	2,110.53	60.33	35.984		
6,600.00	5,797.34	5,880.80	5,763.10	58.16	26.81	40.91	1,235.38	4,519.45	2,122.98	2,061.24	61.74	34.385		
6,700.00	5,880.15	5,958.05	5,840.33	59.30	27.03	41.83	1,234.48	4,517.69	2,075.65	2,012.45	63.20	32.844		
6,800.00	5,962.96	6,031.25	5,913.51	60.45	27.23	42.73	1,233.59	4,516.32	2,029.20	1,964.50	64.70	31.365		
6,900.00	6,045.78	6,114.26	5,996.50	61.59	27.45	43.79	1,232.62	4,514.88	1,983.46	1,917.20	66.25	29.938		
7,000.00	6,128.59	6,195.78	6,078.01	62.73	27.68	44.86	1,231.92	4,513.47	1,938.33	1,870.47	67.86	28.564		
7,100.00	6,211.41	6,280.19	6,162.40	63.88	27.92	46.00	1,231.64	4,512.04	1,893.84	1,824.32	69.52	27.242		
7,200.00	6,294.22	6,374.56	6,256.75	65.02	28.20	47.31	1,232.15	4,510.25	1,849.76	1,778.52	71.24	25.966		
7,300.00	6,377.03	6,452.72	6,334.89	66.17	28.44	48.42	1,233.33	4,508.61	1,806.08	1,733.10	72.99	24.746		
7,400.00	6,459.85	6,526.12	6,408.27	67.31	28.66	49.50	1,234.23	4,507.37	1,763.55	1,688.76	74.79	23.581		
7,500.00	6,542.66	6,599.67	6,481.81	68.46	28.88	50.62	1,234.90	4,506.46	1,722.26	1,645.61	76.65	22.470		
7,600.00	6,625.48	6,673.46	6,555.60	69.60	29.09	51.81	1,235.12	4,505.82	1,682.28	1,603.71	78.57	21.411		
7,700.00	6,708.29	6,753.12	6,635.26	70.75	29.32	53.14	1,235.05	4,505.32	1,643.58	1,563.01	80.57	20.400		
7,800.00	6,791.10	6,830.68	6,712.82	71.89	29.54	54.48	1,234.86	4,504.98	1,606.11	1,523.49	82.62	19.441		
7,900.00	6,873.92	6,911.32	6,793.45	73.04	29.76	55.93	1,234.38	4,504.77	1,570.01	1,485.28	84.73	18.529		
8,000.00	6,956.73	6,992.55	6,874.69	74.18	29.98	57.45	1,233.97	4,504.59	1,535.16	1,448.26	86.90	17.665		
8,100.00	7,039.54	7,072.83	6,954.96	75.33	30.19	59.00	1,233.46	4,504.54	1,501.77	1,412.65	89.13	16.850		
8,165.32	7,093.63	7,127.85	7,009.98	76.08	30.34	60.09	1,233.18	4,504.54	1,480.73	1,390.11	90.61	16.342		
8,200.00	7,122.60	7,156.13	7,038.26	76.47	30.42	54.80	1,233.07	4,504.55	1,469.23	1,377.86	91.37	16.080		
8,250.00	7,165.05	7,195.76	7,077.89	77.01	30.53	46.18	1,232.91	4,504.61	1,451.05	1,358.70	92.35	15.712		
8,300.00	7,208.03	7,235.97	7,118.10	77.52	30.63	36.63	1,232.70	4,504.74	1,431.00	1,337.80	93.20	15.353		
8,350.00	7,251.22	7,281.62	7,163.75	77.99	30.76	26.51	1,232.47	4,504.91	1,409.03	1,315.11	93.92	15.002		
8,400.00	7,294.28	7,327.21	7,209.34	78.41	30.88	16.12	1,232.30	4,505.01	1,385.15	1,290.65	94.49	14.659		
8,450.00	7,336.90	7,371.23	7,253.36	78.78	31.00	5.82	1,232.16	4,505.05	1,359.46	1,264.57	94.90	14.325		
8,500.00	7,378.73	7,414.34	7,296.47	79.10	31.12	-4.17	1,232.04	4,505.05	1,332.17	1,237.03	95.14	14.003		
8,550.00	7,419.47	7,456.29	7,338.42	79.37	31.24	-13.76	1,231.93	4,505.02	1,303.47	1,208.28	95.20	13.692		
8,600.00	7,458.81	7,496.75	7,378.88	79.59	31.35	-22.95	1,231.82	4,504.95	1,273.63	1,178.56	95.07	13.396		
8,650.00	7,496.44	7,535.43	7,417.56	79.76	31.46	-31.79	1,231.74	4,504.85	1,242.94	1,148.19	94.75	13.118		
8,700.00	7,532.08	7,569.91	7,452.04	79.88	31.56	-40.23	1,231.62	4,504.76	1,211.81	1,117.59	94.22	12.862		
8,750.00	7,565.46	7,602.96	7,485.09	79.95	31.66	-48.30	1,231.49	4,504.67	1,180.62	1,087.15	93.47	12.631		
8,800.00	7,596.33	7,632.28	7,514.41	79.98	31.74	-55.84	1,231.36	4,504.61	1,149.85	1,057.35	92.50	12.431		
8,850.00	7,624.44	7,658.69	7,540.81	79.97	31.81	-62.78	1,231.26	4,504.62	1,120.00	1,028.71	91.29	12.269		
8,900.00	7,649.59	7,682.35	7,564.47	79.93	31.88	-69.03	1,231.18	4,504.66	1,091.59	1,001.75	89.84	12.150		
8,950.00	7,671.59	7,703.06	7,585.19	79.84	31.94	-74.51	1,231.12	4,504.74	1,065.18	977.01	88.17	12.081		
9,000.00	7,690.26	7,720.87	7,603.00	79.73	31.99	-79.16	1,231.07	4,504.82	1,041.30	955.02	86.27	12.070 SF		
9,050.00	7,705.47	7,735.46	7,617.59	79.59	32.03	-82.95	1,231.03	4,504.91	1,020.49	936.30	84.19	12.121		
9,100.00	7,717.09	7,746.68	7,628.81	79.43	32.06	-85.88	1,230.99	4,504.98	1,003.28	921.31	81.97	12.240		
9,150.00	7,725.04	7,754.44	7,636.57	79.26	32.08	-87.96	1,230.96	4,505.03	990.08	910.43	79.66	12.429		
9,200.00	7,729.27	7,758.66	7,640.79	79.06	32.09	-89.20	1,230.94	4,505.06	981.27	903.94	77.33	12.689		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 31-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 109-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	7,759.48	7,641.61	78.93	32.09	-89.57	1,230.94	4,505.07	978.11	902.19	75.92	12.883 ES		
9,300.00	7,730.00	7,759.75	7,641.87	78.65	32.09	-89.58	1,230.93	4,505.07	975.54	902.52	73.01	13.361		
9,302.05	7,730.00	7,759.75	7,641.88	78.64	32.09	-89.58	1,230.93	4,505.07	975.53	902.60	72.93	13.376 CC		
9,400.00	7,730.00	7,760.13	7,642.26	78.26	32.09	-89.60	1,230.93	4,505.07	980.44	910.83	69.61	14.085		
9,500.00	7,730.00	7,760.52	7,642.65	77.89	32.09	-89.63	1,230.93	4,505.08	995.41	927.83	67.58	14.729		
9,600.00	7,730.00	7,760.91	7,643.04	77.53	32.10	-89.65	1,230.93	4,505.08	1,020.02	952.85	67.17	15.185		
9,700.00	7,730.00	7,761.30	7,643.43	77.19	32.10	-89.67	1,230.93	4,505.08	1,053.58	985.30	68.28	15.431		
9,800.00	7,730.00	7,761.70	7,643.82	76.88	32.10	-89.70	1,230.93	4,505.08	1,095.27	1,024.75	70.52	15.532		
9,900.00	7,730.00	7,762.09	7,644.22	76.58	32.10	-89.72	1,230.92	4,505.09	1,144.21	1,070.78	73.42	15.583		
10,000.00	7,730.00	7,762.49	7,644.61	76.30	32.10	-89.74	1,230.92	4,505.09	1,199.50	1,122.89	76.61	15.657		
10,100.00	7,730.00	7,762.89	7,645.01	76.04	32.10	-89.77	1,230.92	4,505.09	1,260.31	1,180.50	79.81	15.792		
10,200.00	7,730.00	7,763.29	7,645.41	75.79	32.10	-89.79	1,230.92	4,505.10	1,325.89	1,243.02	82.87	16.000		
10,300.00	7,730.00	7,763.69	7,645.82	75.57	32.10	-89.81	1,230.92	4,505.10	1,395.55	1,309.85	85.70	16.284		
10,400.00	7,730.00	7,764.10	7,646.22	75.36	32.10	-89.84	1,230.92	4,505.10	1,468.72	1,380.44	88.29	16.636		
10,500.00	7,730.00	7,764.50	7,646.63	75.18	32.11	-89.86	1,230.91	4,505.11	1,544.91	1,454.29	90.62	17.048		
10,600.00	7,730.00	7,764.91	7,647.04	75.01	32.11	-89.88	1,230.91	4,505.11	1,623.67	1,530.96	92.71	17.513		
10,700.00	7,730.00	7,765.32	7,647.45	74.86	32.11	-89.91	1,230.91	4,505.11	1,704.67	1,610.09	94.58	18.023		
10,800.00	7,730.00	7,765.74	7,647.86	74.74	32.11	-89.93	1,230.91	4,505.11	1,787.59	1,691.33	96.26	18.571		
10,900.00	7,730.00	7,766.15	7,648.28	74.64	32.11	-89.96	1,230.91	4,505.12	1,872.18	1,774.43	97.76	19.151		
11,000.00	7,730.00	7,766.57	7,648.69	74.56	32.11	-89.98	1,230.91	4,505.12	1,958.23	1,859.13	99.10	19.760		
11,100.00	7,730.00	7,766.99	7,649.11	74.51	32.11	-90.01	1,230.90	4,505.12	2,045.54	1,945.24	100.31	20.393		
11,200.00	7,730.00	7,767.41	7,649.54	74.48	32.11	-90.03	1,230.90	4,505.13	2,133.97	2,032.58	101.39	21.046		
11,300.00	7,730.00	7,767.83	7,649.96	74.48	32.11	-90.06	1,230.90	4,505.13	2,223.38	2,121.01	102.37	21.718		
11,400.00	7,730.00	7,768.26	7,650.38	74.50	32.12	-90.08	1,230.90	4,505.13	2,313.65	2,210.39	103.26	22.406		
11,500.00	7,730.00	7,768.69	7,650.81	74.56	32.12	-90.11	1,230.90	4,505.14	2,404.70	2,300.63	104.07	23.107		
11,600.00	7,730.00	7,769.12	7,651.24	74.66	32.12	-90.13	1,230.90	4,505.14	2,496.43	2,391.63	104.80	23.821		
11,700.00	7,730.00	7,769.55	7,651.67	74.79	32.12	-90.16	1,230.89	4,505.14	2,588.77	2,483.30	105.47	24.546		
11,800.00	7,730.00	7,769.98	7,652.11	74.96	32.12	-90.18	1,230.89	4,505.15	2,681.67	2,575.58	106.08	25.279		
11,900.00	7,730.00	7,770.42	7,652.55	75.17	32.12	-90.21	1,230.89	4,505.15	2,775.05	2,668.41	106.64	26.022		
12,000.00	7,730.00	7,770.86	7,652.98	75.43	32.12	-90.23	1,230.89	4,505.15	2,868.88	2,761.72	107.16	26.772		
12,100.00	7,730.00	7,771.30	7,653.43	75.73	32.12	-90.26	1,230.89	4,505.16	2,963.12	2,855.48	107.64	27.528		
12,200.00	7,730.00	7,771.74	7,653.87	76.09	32.13	-90.29	1,230.88	4,505.16	3,057.72	2,949.64	108.08	28.291		
12,300.00	7,730.00	7,772.19	7,654.31	76.51	32.13	-90.31	1,230.88	4,505.16	3,152.65	3,044.16	108.49	29.059		
12,400.00	7,730.00	7,772.64	7,654.76	76.97	32.13	-90.34	1,230.88	4,505.17	3,247.89	3,139.02	108.87	29.832		
12,500.00	7,730.00	7,773.09	7,655.21	77.50	32.13	-90.36	1,230.88	4,505.17	3,343.41	3,234.18	109.23	30.610		
12,600.00	7,730.00	7,773.54	7,655.67	78.09	32.13	-90.39	1,230.88	4,505.18	3,439.18	3,329.62	109.56	31.391		
12,700.00	7,730.00	7,774.00	7,656.12	78.74	32.13	-90.42	1,230.87	4,505.18	3,535.19	3,425.32	109.87	32.176		
12,800.00	7,730.00	7,774.45	7,656.58	79.45	32.13	-90.44	1,230.87	4,505.18	3,631.41	3,521.25	110.16	32.965		
12,900.00	7,730.00	7,774.91	7,657.04	80.22	32.13	-90.47	1,230.87	4,505.19	3,727.83	3,617.40	110.43	33.756		
13,000.00	7,730.00	7,775.37	7,657.50	81.05	32.14	-90.50	1,230.87	4,505.19	3,824.43	3,713.74	110.69	34.551		
13,100.00	7,730.00	7,775.84	7,657.96	81.94	32.14	-90.53	1,230.87	4,505.19	3,921.21	3,810.27	110.93	35.348		
13,200.00	7,730.00	7,776.31	7,658.43	82.87	32.14	-90.55	1,230.86	4,505.20	4,018.14	3,906.98	111.16	36.147		
13,300.00	7,730.00	7,776.78	7,658.90	83.86	32.14	-90.58	1,230.86	4,505.20	4,115.22	4,003.84	111.38	36.948		
13,400.00	7,730.00	7,777.25	7,659.37	84.90	32.14	-90.61	1,230.86	4,505.21	4,212.43	4,100.85	111.58	37.751		
13,500.00	7,730.00	7,777.72	7,659.85	85.97	32.14	-90.64	1,230.86	4,505.21	4,309.78	4,198.00	111.78	38.557		
13,600.00	7,730.00	7,778.20	7,660.32	87.09	32.14	-90.66	1,230.86	4,505.21	4,407.24	4,295.27	111.96	39.363		
13,700.00	7,730.00	7,778.68	7,660.80	88.25	32.14	-90.69	1,230.85	4,505.22	4,504.81	4,392.67	112.14	40.172		
13,800.00	7,730.00	7,779.16	7,661.28	89.44	32.15	-90.72	1,230.85	4,505.22	4,602.49	4,490.18	112.31	40.981		
13,900.00	7,730.00	7,779.64	7,661.77	90.66	32.15	-90.75	1,230.85	4,505.23	4,700.26	4,587.79	112.47	41.792		
14,000.00	7,730.00	7,780.13	7,662.26	91.92	32.15	-90.78	1,230.85	4,505.23	4,798.13	4,685.51	112.62	42.604		
14,100.00	7,730.00	7,780.62	7,662.75	93.20	32.15	-90.81	1,230.84	4,505.23	4,896.08	4,783.31	112.77	43.417		
14,200.00	7,730.00	7,781.11	7,663.24	94.50	32.15	-90.84	1,230.84	4,505.24	4,994.11	4,881.21	112.91	44.231		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 109-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,781.61	7,663.73	95.83	32.15	-90.87	1,230.84	4,505.24	5,092.22	4,979.18	113.04	45.046		
14,400.00	7,730.00	7,782.11	7,664.23	97.17	32.15	-90.89	1,230.84	4,505.25	5,190.41	5,077.23	113.17	45.862		
14,500.00	7,730.00	7,782.61	7,664.73	98.54	32.15	-90.92	1,230.83	4,505.25	5,288.66	5,175.36	113.30	46.679		
14,600.00	7,730.00	7,783.11	7,665.24	99.92	32.16	-90.95	1,230.83	4,505.25	5,386.97	5,273.55	113.42	47.496		
14,700.00	7,730.00	7,783.62	7,665.74	101.32	32.16	-90.98	1,230.83	4,505.26	5,485.35	5,371.81	113.54	48.314		
14,800.00	7,730.00	7,784.13	7,666.25	102.74	32.16	-91.01	1,230.83	4,505.26	5,583.78	5,470.13	113.65	49.132		
14,900.00	7,730.00	7,784.64	7,666.76	104.17	32.16	-91.04	1,230.83	4,505.27	5,682.27	5,568.51	113.76	49.951		
15,000.00	7,730.00	7,785.15	7,667.28	105.62	32.16	-91.07	1,230.82	4,505.27	5,780.81	5,666.95	113.86	50.771		
15,100.00	7,730.00	7,785.67	7,667.79	107.07	32.16	-91.10	1,230.82	4,505.28	5,879.40	5,765.43	113.96	51.591		
15,200.00	7,730.00	7,786.19	7,668.31	108.54	32.16	-91.13	1,230.82	4,505.28	5,978.03	5,863.97	114.06	52.411		
15,300.00	7,730.00	7,786.71	7,668.84	110.02	32.17	-91.16	1,230.82	4,505.28	6,076.71	5,962.56	114.16	53.231		
15,400.00	7,730.00	7,787.24	7,669.36	111.51	32.17	-91.20	1,230.81	4,505.29	6,175.44	6,061.19	114.25	54.052		
15,500.00	7,730.00	7,787.77	7,669.89	113.01	32.17	-91.23	1,230.81	4,505.29	6,274.20	6,159.86	114.34	54.873		
15,600.00	7,730.00	7,788.30	7,670.43	114.52	32.17	-91.26	1,230.81	4,505.30	6,373.00	6,258.57	114.43	55.695		
15,700.00	7,730.00	7,788.84	7,670.96	116.04	32.17	-91.29	1,230.81	4,505.30	6,471.84	6,357.33	114.51	56.516		
15,800.00	7,730.00	7,789.37	7,671.50	117.56	32.17	-91.32	1,230.80	4,505.31	6,570.71	6,456.12	114.60	57.338		
15,900.00	7,730.00	7,789.91	7,672.04	119.09	32.17	-91.35	1,230.80	4,505.31	6,669.62	6,554.94	114.68	58.159		
16,000.00	7,730.00	7,790.46	7,672.58	120.63	32.18	-91.38	1,230.80	4,505.32	6,768.56	6,653.80	114.76	58.981		
16,100.00	7,730.00	7,791.01	7,673.13	122.18	32.18	-91.42	1,230.79	4,505.32	6,867.53	6,752.69	114.84	59.803		
16,200.00	7,730.00	7,791.56	7,673.68	123.73	32.18	-91.45	1,230.79	4,505.33	6,966.53	6,851.62	114.91	60.625		
16,300.00	7,730.00	7,792.11	7,674.23	125.29	32.18	-91.48	1,230.79	4,505.33	7,065.56	6,950.57	114.99	61.447		
16,400.00	7,730.00	7,792.67	7,674.79	126.86	32.18	-91.51	1,230.79	4,505.34	7,164.61	7,049.55	115.06	62.269		
16,500.00	7,730.00	7,793.23	7,675.35	128.43	32.18	-91.55	1,230.78	4,505.34	7,263.69	7,148.56	115.13	63.091		
16,600.00	7,730.00	7,793.79	7,675.91	130.01	32.19	-91.58	1,230.78	4,505.35	7,362.80	7,247.59	115.20	63.912		
16,700.00	7,730.00	7,794.36	7,676.48	131.59	32.19	-91.61	1,230.78	4,505.35	7,461.93	7,346.65	115.27	64.734		
16,800.00	7,730.00	7,794.93	7,677.05	133.18	32.19	-91.65	1,230.78	4,505.36	7,561.08	7,445.74	115.34	65.556		
16,900.00	7,730.00	7,795.50	7,677.62	134.77	32.19	-91.68	1,230.77	4,505.36	7,660.25	7,544.85	115.40	66.377		
17,000.00	7,730.00	7,796.08	7,678.20	136.37	32.19	-91.71	1,230.77	4,505.37	7,759.45	7,643.98	115.47	67.199		
17,100.00	7,730.00	7,796.66	7,678.78	137.97	32.19	-91.75	1,230.77	4,505.37	7,858.66	7,743.13	115.53	68.020		
17,200.00	7,730.00	7,797.24	7,679.36	139.57	32.19	-91.78	1,230.76	4,505.38	7,957.90	7,842.30	115.60	68.841		
17,300.00	7,730.00	7,797.83	7,679.95	141.18	32.20	-91.82	1,230.76	4,505.38	8,057.15	7,941.49	115.66	69.662		
17,400.00	7,730.00	7,798.42	7,680.54	142.79	32.20	-91.85	1,230.76	4,505.39	8,156.42	8,040.70	115.72	70.482		
17,500.00	7,730.00	7,799.01	7,681.13	144.41	32.20	-91.89	1,230.76	4,505.39	8,255.71	8,139.93	115.78	71.302		
17,600.00	7,730.00	7,799.61	7,681.73	146.03	32.20	-91.92	1,230.75	4,505.40	8,355.02	8,239.17	115.84	72.123		
17,700.00	7,730.00	7,800.21	7,682.33	147.65	32.20	-91.96	1,230.75	4,505.41	8,454.34	8,338.44	115.90	72.942		
17,800.00	7,730.00	7,800.81	7,682.94	149.28	32.20	-91.99	1,230.75	4,505.41	8,553.68	8,437.72	115.96	73.762		
17,900.00	7,730.00	7,801.42	7,683.54	150.91	32.21	-92.03	1,230.74	4,505.42	8,653.03	8,537.01	116.02	74.581		
18,000.00	7,730.00	7,802.03	7,684.16	152.54	32.21	-92.06	1,230.74	4,505.42	8,752.40	8,636.32	116.08	75.400		
18,100.00	7,730.00	7,802.65	7,684.77	154.18	32.21	-92.10	1,230.74	4,505.43	8,851.79	8,735.65	116.14	76.219		
18,200.00	7,730.00	7,803.27	7,685.39	155.82	32.21	-92.14	1,230.73	4,505.43	8,951.18	8,834.99	116.19	77.037		
18,300.00	7,730.00	7,803.89	7,686.01	157.46	32.21	-92.17	1,230.73	4,505.44	9,050.59	8,934.34	116.25	77.855		
18,400.00	7,730.00	7,804.52	7,686.64	159.11	32.21	-92.21	1,230.73	4,505.45	9,150.01	9,033.71	116.30	78.673		
18,500.00	7,730.00	7,805.15	7,687.27	160.75	32.22	-92.25	1,230.72	4,505.45	9,249.45	9,133.09	116.36	79.490		
18,600.00	7,730.00	7,805.78	7,687.90	162.40	32.22	-92.28	1,230.72	4,505.46	9,348.90	9,232.48	116.41	80.307		
18,700.00	7,730.00	7,806.42	7,688.54	164.05	32.22	-92.32	1,230.72	4,505.46	9,448.35	9,331.89	116.47	81.124		
18,800.00	7,730.00	7,807.06	7,689.18	165.71	32.22	-92.36	1,230.71	4,505.47	9,547.82	9,431.30	116.52	81.940		
18,900.00	7,730.00	7,807.71	7,689.83	167.36	32.22	-92.40	1,230.71	4,505.48	9,647.30	9,530.73	116.58	82.755		
18,942.39	7,730.00	7,807.98	7,690.11	168.07	32.22	-92.41	1,230.71	4,505.48	9,689.48	9,572.88	116.60	83.101		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 79-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	82.08	750.66	5,392.97	5,445.56					
100.00	100.00	36.31	36.31	0.13	0.05	82.08	750.64	5,392.91	5,444.93	5,444.74	0.19	N/A		
200.00	200.00	156.92	156.92	0.49	0.40	82.08	750.48	5,392.17	5,444.28	5,443.39	0.89	6,111.381		
300.00	300.00	248.09	248.09	0.85	0.72	82.08	750.46	5,391.60	5,443.65	5,442.08	1.58	3,454.885		
400.00	400.00	354.41	354.40	1.21	1.11	82.07	750.57	5,390.97	5,443.08	5,440.76	2.31	2,351.686		
491.94	491.94	410.95	410.94	1.54	1.30	82.08	750.07	5,390.86	5,442.79	5,439.95	2.84	1,916.139		
500.00	500.00	416.00	415.99	1.57	1.32	82.08	749.98	5,390.87	5,442.79	5,439.90	2.89	1,885.299		
600.00	600.00	480.91	480.86	1.93	1.55	82.10	747.96	5,391.41	5,443.18	5,439.71	3.47	1,568.464		
700.00	700.00	534.00	533.87	2.29	1.73	82.13	745.21	5,392.30	5,444.21	5,440.20	4.01	1,356.928		
800.00	800.00	591.20	590.90	2.64	1.93	82.18	741.13	5,393.88	5,446.06	5,441.49	4.57	1,190.525		
900.00	899.98	649.21	648.62	3.00	2.14	22.64	735.80	5,396.27	5,447.26	5,442.12	5.14	1,060.022		
1,000.00	999.84	716.00	714.86	3.35	2.39	22.76	727.89	5,399.52	5,445.74	5,440.01	5.74	948.859		
1,100.00	1,099.45	764.53	762.81	3.71	2.59	22.88	721.02	5,402.39	5,441.84	5,435.55	6.28	865.931		
1,200.00	1,198.70	809.00	806.60	4.08	2.77	23.03	714.01	5,405.66	5,435.84	5,429.03	6.82	797.399		
1,300.00	1,297.47	854.59	851.37	4.47	2.96	23.21	706.26	5,409.51	5,427.67	5,420.31	7.37	736.581		
1,400.00	1,395.62	902.00	897.80	4.87	3.17	23.42	697.78	5,413.94	5,417.24	5,409.30	7.93	682.827		
1,500.00	1,493.06	963.68	958.05	5.31	3.45	23.71	686.20	5,420.21	5,404.47	5,395.89	8.58	629.830		
1,600.00	1,589.64	1,022.70	1,015.55	5.77	3.73	24.03	674.56	5,426.70	5,389.34	5,380.11	9.23	583.797		
1,700.00	1,685.27	1,087.39	1,078.26	6.28	4.04	24.42	660.61	5,434.32	5,371.83	5,361.90	9.93	540.930		
1,800.00	1,779.82	1,210.39	1,197.26	6.83	4.67	25.09	633.17	5,448.89	5,351.47	5,340.52	10.95	488.810		
1,900.00	1,873.17	1,285.16	1,269.94	7.43	5.06	25.59	617.74	5,457.31	5,327.86	5,316.12	11.74	453.930		
2,000.00	1,965.21	1,339.00	1,322.22	8.08	5.33	26.05	606.61	5,463.77	5,302.06	5,289.62	12.44	426.333		
2,100.00	2,055.84	1,417.60	1,398.34	8.79	5.75	26.68	589.67	5,473.58	5,273.89	5,260.60	13.29	396.785		
2,200.00	2,144.94	1,488.95	1,467.18	9.56	6.15	27.32	573.24	5,482.65	5,243.18	5,229.04	14.14	370.734		
2,300.00	2,232.39	1,575.76	1,550.64	10.39	6.63	28.12	552.21	5,493.93	5,210.08	5,194.97	15.11	344.794		
2,400.00	2,318.11	1,698.57	1,668.97	11.30	7.32	29.18	523.14	5,509.28	5,174.08	5,157.77	16.30	317.366		
2,504.60	2,405.78	1,765.42	1,733.63	12.31	7.70	30.01	508.21	5,517.37	5,133.50	5,116.26	17.24	297.799		
2,600.00	2,484.79	1,827.77	1,793.94	13.28	8.04	30.38	494.47	5,525.21	5,095.82	5,077.70	18.12	281.213		
2,700.00	2,567.60	1,934.78	1,897.50	14.32	8.63	31.03	471.06	5,538.49	5,056.62	5,037.34	19.29	262.186		
2,800.00	2,650.41	2,029.59	1,989.53	15.37	9.15	31.61	451.15	5,549.66	5,017.29	4,996.89	20.40	245.902		
2,900.00	2,733.23	2,096.84	2,054.69	16.44	9.52	32.03	436.62	5,557.71	4,978.54	4,957.14	21.40	232.676		
3,000.00	2,816.04	2,211.86	2,165.84	17.52	10.16	32.77	410.24	5,571.11	4,939.99	4,917.30	22.68	217.778		
3,100.00	2,898.85	2,318.26	2,268.54	18.60	10.77	33.47	385.02	5,582.82	4,901.41	4,877.46	23.95	204.664		
3,200.00	2,981.67	2,445.07	2,391.60	19.69	11.46	34.30	357.42	5,595.98	4,862.77	4,837.45	25.32	192.051		
3,300.00	3,064.48	2,529.44	2,473.81	20.79	11.91	34.84	340.27	5,604.22	4,824.02	4,797.55	26.47	182.235		
3,400.00	3,147.30	2,578.58	2,521.58	21.90	12.17	35.17	329.87	5,609.08	4,785.92	4,758.46	27.46	174.290		
3,500.00	3,230.11	2,615.00	2,556.92	23.00	12.37	35.41	322.02	5,613.01	4,748.98	4,720.58	28.40	167.234		
3,600.00	3,312.92	2,745.49	2,683.42	24.12	13.09	36.30	293.50	5,627.63	4,713.14	4,683.28	29.86	157.824		
3,700.00	3,395.74	2,829.83	2,765.25	25.23	13.55	36.89	274.96	5,636.12	4,676.66	4,645.57	31.10	150.389		
3,800.00	3,478.55	2,895.40	2,828.78	26.35	13.92	37.35	260.12	5,642.73	4,640.77	4,608.52	32.25	143.893		
3,900.00	3,561.36	2,971.83	2,902.69	27.47	14.35	37.91	242.30	5,650.58	4,605.62	4,572.14	33.49	137.542		
4,000.00	3,644.18	3,041.60	2,970.25	28.59	14.74	38.41	226.43	5,657.72	4,570.98	4,536.29	34.70	131.742		
4,100.00	3,726.99	3,085.95	3,013.15	29.72	14.99	38.73	216.25	5,662.52	4,537.39	4,501.62	35.78	126.826		
4,200.00	3,809.81	3,140.66	3,065.97	30.85	15.30	39.14	203.48	5,668.82	4,504.96	4,468.03	36.93	121.989		
4,300.00	3,892.62	3,224.13	3,146.66	31.98	15.77	39.76	184.52	5,678.68	4,473.32	4,435.06	38.26	116.915		
4,400.00	3,975.43	3,352.11	3,270.86	33.11	16.48	40.69	157.16	5,693.03	4,441.56	4,401.70	39.85	111.456		
4,500.00	4,058.25	3,431.40	3,347.65	34.24	16.92	41.29	139.32	5,701.41	4,410.11	4,368.92	41.19	107.078		
4,600.00	4,141.06	3,491.00	3,405.32	35.37	17.26	41.75	125.65	5,707.74	4,379.43	4,337.00	42.43	103.225		
4,700.00	4,223.87	3,547.72	3,460.16	36.50	17.58	42.19	112.58	5,714.02	4,349.79	4,306.12	43.66	99.624		
4,800.00	4,306.69	3,625.83	3,535.65	37.64	18.02	42.80	94.76	5,723.22	4,321.29	4,276.26	45.03	95.955		
4,900.00	4,389.50	3,748.42	3,654.86	38.77	18.68	43.73	69.94	5,737.34	4,292.75	4,246.10	46.65	92.013		
5,000.00	4,472.32	3,831.54	3,735.96	39.91	19.12	44.35	54.40	5,746.82	4,264.49	4,216.45	48.05	88.759		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 42-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 79-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	3,903.01	3,805.61	41.05	19.50	44.89	40.55	5,754.93	4,236.96	4,187.57	49.39	85.786		
5,200.00	4,637.94	3,960.00	3,861.11	42.18	19.80	45.33	29.40	5,761.52	4,210.33	4,159.66	50.67	83.101		
5,300.00	4,720.76	4,020.77	3,920.24	43.32	20.13	45.80	17.47	5,768.87	4,184.77	4,132.80	51.97	80.519		
5,400.00	4,803.57	4,094.12	3,991.54	44.46	20.52	46.37	3.04	5,778.21	4,160.37	4,107.01	53.36	77.961		
5,500.00	4,886.39	4,181.21	4,076.22	45.60	20.99	47.05	-14.17	5,789.05	4,136.45	4,081.60	54.85	75.413		
5,600.00	4,969.20	4,355.18	4,245.93	46.74	21.90	48.41	-45.85	5,810.51	4,113.22	4,056.39	56.83	72.379		
5,700.00	5,052.01	4,461.83	4,350.59	47.88	22.42	49.23	-62.74	5,822.08	4,088.35	4,029.94	58.41	69.995		
5,800.00	5,134.83	4,523.00	4,410.43	49.02	22.73	49.71	-73.72	5,828.43	4,064.40	4,004.63	59.77	68.001		
5,900.00	5,217.64	4,611.53	4,493.27	50.16	24.15	52.08	-125.23	5,852.24	4,040.17	3,977.78	62.39	64.758		
6,000.00	5,300.45	4,673.51	4,754.47	51.30	24.43	52.58	-134.14	5,856.42	4,013.89	3,950.12	63.78	62.938		
6,100.00	5,383.27	5,408.02	5,286.15	52.45	26.37	56.74	-179.88	5,874.28	3,984.66	3,917.95	66.71	59.732		
6,200.00	5,466.08	5,515.20	5,393.24	53.59	26.67	57.57	-183.79	5,873.09	3,950.53	3,882.37	68.16	57.957		
6,300.00	5,548.90	5,615.53	5,493.58	54.73	26.91	58.31	-183.80	5,872.44	3,916.10	3,846.53	69.56	56.296		
6,400.00	5,631.71	5,720.23	5,598.27	55.87	27.14	59.09	-183.20	5,871.73	3,882.01	3,811.05	70.97	54.703		
6,500.00	5,714.52	5,808.22	5,686.25	57.02	27.34	59.76	-182.51	5,870.73	3,848.01	3,775.64	72.37	53.173		
6,600.00	5,797.34	5,886.08	5,764.10	58.16	27.52	60.36	-181.98	5,869.83	3,814.57	3,740.79	73.78	51.701		
6,700.00	5,880.15	5,965.75	5,843.77	59.30	27.71	60.98	-181.79	5,868.87	3,781.80	3,706.59	75.22	50.279		
6,800.00	5,962.96	6,060.65	5,938.66	60.45	27.94	61.74	-181.47	5,867.69	3,749.55	3,672.87	76.68	48.897		
6,900.00	6,045.78	6,157.55	6,035.54	61.59	28.17	62.52	-180.90	5,866.04	3,717.43	3,639.27	78.16	47.560		
7,000.00	6,128.59	6,242.73	6,120.71	62.73	28.37	63.21	-180.09	5,864.61	3,685.81	3,606.17	79.64	46.278		
7,100.00	6,211.41	6,326.18	6,204.15	63.88	28.56	63.90	-179.19	5,863.15	3,654.71	3,573.57	81.14	45.044		
7,200.00	6,294.22	6,393.00	6,270.95	65.02	28.72	64.45	-178.34	5,862.15	3,624.35	3,541.72	82.63	43.863		
7,300.00	6,377.03	6,443.52	6,321.46	66.17	28.85	64.87	-177.77	5,861.74	3,595.18	3,511.06	84.12	42.740		
7,400.00	6,459.85	6,491.40	6,369.34	67.31	28.97	65.27	-177.47	5,861.81	3,567.52	3,481.91	85.61	41.671		
7,500.00	6,542.66	6,571.70	6,449.64	68.46	29.19	65.95	-177.36	5,862.16	3,540.94	3,453.78	87.16	40.624		
7,600.00	6,625.48	6,660.83	6,538.77	69.60	29.44	66.72	-177.58	5,862.30	3,515.02	3,426.27	88.75	39.604		
7,700.00	6,708.29	6,765.90	6,643.84	70.75	29.73	67.65	-177.86	5,861.96	3,489.48	3,399.11	90.38	38.611		
7,800.00	6,791.10	6,838.52	6,716.46	71.89	29.92	68.29	-177.95	5,861.61	3,464.50	3,372.54	91.96	37.675		
7,900.00	6,873.92	6,908.50	6,796.43	73.04	30.12	68.92	-178.05	5,861.53	3,440.52	3,346.98	93.54	36.780		
8,000.00	6,956.73	6,982.18	6,860.11	74.18	30.33	69.59	-178.35	5,861.66	3,417.61	3,322.47	95.15	35.919		
8,100.00	7,039.54	7,068.01	6,945.95	75.33	30.58	70.37	-178.76	5,861.82	3,395.53	3,298.75	96.78	35.084		
8,165.32	7,093.63	7,128.59	7,006.52	76.08	30.76	70.93	-179.06	5,861.80	3,381.44	3,283.58	97.86	34.553		
8,200.00	7,122.60	7,157.45	7,035.38	76.47	30.84	71.57	-179.20	5,861.75	3,373.34	3,274.93	98.41	34.277		
8,250.00	7,165.05	7,195.63	7,073.56	77.01	30.95	72.39	-179.42	5,861.71	3,359.35	3,260.20	99.15	33.881		
8,300.00	7,208.03	7,234.34	7,112.27	77.52	31.06	73.09	-179.67	5,861.70	3,342.67	3,242.85	99.82	33.487		
8,350.00	7,251.22	7,282.44	7,160.37	77.99	31.20	73.29	-179.99	5,861.67	3,323.32	3,222.89	100.43	33.092		
8,400.00	7,294.28	7,330.75	7,208.68	78.41	31.35	73.80	-180.30	5,861.56	3,301.34	3,200.38	100.95	32.702		
8,450.00	7,336.90	7,370.98	7,248.91	78.78	31.46	74.45	-180.58	5,861.43	3,276.89	3,175.52	101.38	32.324		
8,500.00	7,378.73	7,410.79	7,288.71	79.10	31.58	75.00	-180.90	5,861.30	3,250.19	3,148.48	101.71	31.955		
8,550.00	7,419.47	7,449.61	7,327.54	79.37	31.70	75.52	-181.26	5,861.17	3,221.42	3,119.46	101.96	31.596		
8,600.00	7,458.81	7,487.18	7,365.11	79.59	31.81	76.09	-181.64	5,861.03	3,190.78	3,088.67	102.11	31.249		
8,650.00	7,496.44	7,523.21	7,401.13	79.76	31.91	76.67	-182.05	5,860.90	3,158.51	3,056.35	102.17	30.916		
8,700.00	7,532.08	7,552.26	7,430.18	79.88	32.00	77.24	-182.44	5,860.81	3,124.91	3,022.79	102.12	30.599		
8,750.00	7,565.46	7,580.51	7,458.42	79.95	32.09	77.81	-182.89	5,860.73	3,090.26	2,988.27	101.99	30.299		
8,800.00	7,596.33	7,606.84	7,484.75	79.98	32.17	78.38	-183.36	5,860.67	3,054.87	2,953.10	101.77	30.017		
8,850.00	7,624.44	7,638.47	7,516.38	79.97	32.26	78.95	-183.91	5,860.62	3,019.01	2,917.53	101.47	29.751		
8,900.00	7,649.59	7,667.32	7,545.23	79.93	32.35	79.52	-184.32	5,860.61	2,982.98	2,881.89	101.09	29.509		
8,950.00	7,671.59	7,692.43	7,570.33	79.84	32.43	80.09	-184.60	5,860.63	2,947.15	2,846.53	100.62	29.291		
9,000.00	7,690.26	7,713.63	7,591.53	79.73	32.50	80.66	-184.79	5,860.66	2,911.88	2,811.82	100.06	29.101		
9,050.00	7,705.47	7,726.46	7,604.36	79.59	32.53	81.23	-184.90	5,860.69	2,877.57	2,778.14	99.43	28.942		
9,100.00	7,717.09	7,737.61	7,615.51	79.43	32.57	81.80	-185.00	5,860.72	2,844.57	2,745.84	98.72	28.813		
9,150.00	7,725.04	7,745.38	7,623.28	79.26	32.59	82.37	-185.07	5,860.74	2,813.22	2,715.26	97.96	28.719		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 42-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 79-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,749.71	7,627.61	79.06	32.61	-87.64	-185.11	5,860.75	2,783.85	2,686.71	97.14	28.659		
9,231.13	7,730.00	7,750.65	7,628.55	78.93	32.61	-89.50	-185.12	5,860.76	2,766.70	2,670.10	96.60	28.640		
9,300.00	7,730.00	7,751.23	7,629.13	78.65	32.61	-89.51	-185.13	5,860.76	2,730.42	2,635.04	95.38	28.625		
9,400.00	7,730.00	7,752.07	7,629.97	78.26	32.61	-89.53	-185.13	5,860.76	2,680.02	2,586.44	93.57	28.641		
9,500.00	7,730.00	7,752.91	7,630.81	77.89	32.62	-89.55	-185.14	5,860.76	2,632.45	2,540.73	91.71	28.703		
9,600.00	7,730.00	7,753.75	7,631.65	77.53	32.62	-89.57	-185.15	5,860.77	2,587.87	2,498.05	89.82	28.811		
9,700.00	7,730.00	7,754.59	7,632.49	77.19	32.62	-89.60	-185.16	5,860.77	2,546.44	2,458.52	87.92	28.964		
9,800.00	7,730.00	7,755.44	7,633.34	76.88	32.62	-89.62	-185.16	5,860.77	2,508.32	2,422.30	86.02	29.160		
9,900.00	7,730.00	7,756.29	7,634.18	76.58	32.63	-89.64	-185.17	5,860.77	2,473.65	2,389.49	84.16	29.393		
10,000.00	7,730.00	7,757.13	7,635.03	76.30	32.63	-89.66	-185.18	5,860.78	2,442.59	2,360.22	82.37	29.654		
10,100.00	7,730.00	7,757.98	7,635.88	76.04	32.63	-89.68	-185.19	5,860.78	2,415.27	2,334.58	80.69	29.933		
10,200.00	7,730.00	7,758.84	7,636.74	75.79	32.63	-89.70	-185.20	5,860.78	2,391.82	2,312.65	79.17	30.213		
10,300.00	7,730.00	7,759.69	7,637.59	75.57	32.64	-89.72	-185.20	5,860.78	2,372.36	2,294.51	77.85	30.475		
10,400.00	7,730.00	7,760.55	7,638.45	75.36	32.64	-89.74	-185.21	5,860.79	2,356.98	2,280.20	76.78	30.698		
10,500.00	7,730.00	7,761.40	7,639.30	75.18	32.64	-89.76	-185.22	5,860.79	2,345.77	2,269.76	76.01	30.860		
10,600.00	7,730.00	7,762.26	7,640.16	75.01	32.64	-89.78	-185.23	5,860.79	2,338.78	2,263.20	75.58	30.943		
10,700.00	7,730.00	7,763.12	7,641.02	74.86	32.65	-89.80	-185.23	5,860.80	2,336.06	2,260.54	75.52	30.933		
10,713.63	7,730.00	7,763.24	7,641.14	74.85	32.65	-89.81	-185.24	5,860.80	2,336.02	2,260.48	75.54	30.923 CC, ES		
10,800.00	7,730.00	7,763.98	7,641.88	74.74	32.65	-89.83	-185.24	5,860.80	2,337.62	2,261.79	75.83	30.828		
10,900.00	7,730.00	7,764.85	7,642.75	74.64	32.65	-89.85	-185.25	5,860.80	2,343.44	2,266.94	76.50	30.633		
11,000.00	7,730.00	7,765.71	7,643.61	74.56	32.65	-89.87	-185.26	5,860.80	2,353.51	2,275.99	77.51	30.362		
11,100.00	7,730.00	7,766.58	7,644.48	74.51	32.66	-89.89	-185.27	5,860.81	2,367.75	2,288.93	78.83	30.038		
11,200.00	7,730.00	7,767.45	7,645.35	74.48	32.66	-89.91	-185.27	5,860.81	2,386.11	2,305.72	80.39	29.681		
11,300.00	7,730.00	7,768.32	7,646.22	74.48	32.66	-89.93	-185.28	5,860.81	2,408.48	2,326.32	82.16	29.315		
11,400.00	7,730.00	7,769.19	7,647.09	74.50	32.67	-89.95	-185.29	5,860.82	2,434.76	2,350.68	84.08	28.958		
11,500.00	7,730.00	7,770.07	7,647.97	74.56	32.67	-89.97	-185.30	5,860.82	2,464.82	2,378.72	86.10	28.628		
11,600.00	7,730.00	7,770.94	7,648.84	74.66	32.67	-90.00	-185.31	5,860.82	2,498.52	2,410.33	88.18	28.334		
11,700.00	7,730.00	7,771.82	7,649.72	74.79	32.67	-90.02	-185.31	5,860.83	2,535.71	2,445.42	90.29	28.084		
11,800.00	7,730.00	7,772.70	7,650.60	74.96	32.68	-90.04	-185.32	5,860.83	2,576.26	2,483.86	92.39	27.883		
11,900.00	7,730.00	7,773.58	7,651.48	75.17	32.68	-90.06	-185.33	5,860.83	2,619.99	2,525.52	94.47	27.734		
12,000.00	7,730.00	7,774.47	7,652.36	75.43	32.68	-90.08	-185.34	5,860.83	2,666.76	2,570.26	96.49	27.636		
12,100.00	7,730.00	7,775.35	7,653.25	75.73	32.68	-90.10	-185.35	5,860.84	2,716.40	2,617.94	98.46	27.589 SF		
12,200.00	7,730.00	7,776.24	7,654.13	76.09	32.69	-90.13	-185.36	5,860.84	2,768.77	2,668.42	100.35	27.590		
12,300.00	7,730.00	7,777.12	7,655.02	76.51	32.69	-90.15	-185.36	5,860.84	2,823.71	2,721.54	102.17	27.638		
12,400.00	7,730.00	7,778.01	7,655.91	76.97	32.69	-90.17	-185.37	5,860.85	2,881.08	2,777.18	103.90	27.729		
12,500.00	7,730.00	7,778.91	7,656.80	77.50	32.69	-90.19	-185.38	5,860.85	2,940.72	2,835.17	105.55	27.861		
12,600.00	7,730.00	7,779.80	7,657.70	78.09	32.70	-90.21	-185.39	5,860.85	3,002.51	2,895.40	107.11	28.032		
12,700.00	7,730.00	7,780.69	7,658.59	78.74	32.70	-90.24	-185.40	5,860.86	3,066.32	2,957.73	108.59	28.238		
12,800.00	7,730.00	7,781.59	7,659.49	79.45	32.70	-90.26	-185.41	5,860.86	3,132.02	3,022.04	109.98	28.477		
12,900.00	7,730.00	7,782.49	7,660.39	80.22	32.71	-90.28	-185.41	5,860.87	3,199.50	3,088.20	111.30	28.747		
13,000.00	7,730.00	7,783.39	7,661.29	81.05	32.71	-90.30	-185.42	5,860.87	3,268.65	3,156.11	112.54	29.045		
13,100.00	7,730.00	7,784.29	7,662.19	81.94	32.71	-90.32	-185.43	5,860.87	3,339.35	3,225.65	113.71	29.369		
13,200.00	7,730.00	7,785.20	7,663.10	82.87	32.71	-90.35	-185.44	5,860.88	3,411.53	3,296.73	114.80	29.717		
13,300.00	7,730.00	7,786.10	7,664.00	83.86	32.72	-90.37	-185.45	5,860.88	3,485.08	3,369.24	115.83	30.087		
13,400.00	7,730.00	7,787.01	7,664.91	84.90	32.72	-90.39	-185.46	5,860.88	3,559.91	3,443.11	116.80	30.478		
13,500.00	7,730.00	7,787.92	7,665.82	85.97	32.72	-90.41	-185.47	5,860.89	3,635.96	3,518.25	117.71	30.888		
13,600.00	7,730.00	7,788.83	7,666.73	87.09	32.73	-90.43	-185.47	5,860.89	3,713.14	3,594.58	118.57	31.316		
13,700.00	7,730.00	7,789.75	7,667.64	88.25	32.73	-90.46	-185.48	5,860.89	3,791.39	3,672.02	119.37	31.761		
13,800.00	7,730.00	7,790.66	7,668.56	89.44	32.73	-90.48	-185.49	5,860.90	3,870.64	3,750.51	120.13	32.221		
13,900.00	7,730.00	7,791.58	7,669.48	90.66	32.73	-90.50	-185.50	5,860.90	3,950.84	3,830.00	120.84	32.695		
14,000.00	7,730.00	7,792.50	7,670.40	91.92	32.74	-90.52	-185.51	5,860.91	4,031.91	3,910.40	121.51	33.182		
14,100.00	7,730.00	7,793.42	7,671.32	93.20	32.74	-90.55	-185.52	5,860.91	4,113.82	3,991.68	122.14	33.681		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 42-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 79-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,794.34	7,672.24	94.50	32.74	-90.57	-185.53	5,860.91	4,196.52	4,073.78	122.73	34.192		
14,300.00	7,730.00	7,795.27	7,673.16	95.83	32.74	-90.59	-185.54	5,860.92	4,279.95	4,156.66	123.29	34.713		
14,400.00	7,730.00	7,796.19	7,674.09	97.17	32.75	-90.62	-185.54	5,860.92	4,364.08	4,240.26	123.82	35.245		
14,500.00	7,730.00	7,797.12	7,675.02	98.54	32.75	-90.64	-185.55	5,860.92	4,448.86	4,324.54	124.32	35.785		
14,600.00	7,730.00	7,798.05	7,675.95	99.92	32.75	-90.66	-185.56	5,860.93	4,534.27	4,409.48	124.79	36.335		
14,700.00	7,730.00	7,798.98	7,676.88	101.32	32.76	-90.68	-185.57	5,860.93	4,620.26	4,495.02	125.24	36.892		
14,800.00	7,730.00	7,799.92	7,677.82	102.74	32.76	-90.71	-185.58	5,860.94	4,706.81	4,581.15	125.66	37.457		
14,900.00	7,730.00	7,800.85	7,678.75	104.17	32.76	-90.73	-185.59	5,860.94	4,793.87	4,667.82	126.06	38.030		
15,000.00	7,730.00	7,801.79	7,679.69	105.62	32.76	-90.75	-185.60	5,860.94	4,881.44	4,755.00	126.43	38.609		
15,100.00	7,730.00	7,802.73	7,680.63	107.07	32.77	-90.78	-185.61	5,860.95	4,969.47	4,842.68	126.79	39.194		
15,200.00	7,730.00	7,803.67	7,681.57	108.54	32.77	-90.80	-185.62	5,860.95	5,057.95	4,930.82	127.13	39.786		
15,300.00	7,730.00	7,804.62	7,682.51	110.02	32.77	-90.82	-185.62	5,860.96	5,146.85	5,019.39	127.45	40.382		
15,400.00	7,730.00	7,805.56	7,683.46	111.51	32.78	-90.85	-185.63	5,860.96	5,236.15	5,108.39	127.76	40.985		
15,500.00	7,730.00	7,806.51	7,684.41	113.01	32.78	-90.87	-185.64	5,860.97	5,325.82	5,197.77	128.05	41.592		
15,600.00	7,730.00	7,806.21	7,684.11	114.52	32.78	-90.86	-185.64	5,860.96	5,415.87	5,287.54	128.33	42.204		
15,700.00	7,730.00	7,806.99	7,684.89	116.04	32.78	-90.88	-185.65	5,860.97	5,506.25	5,377.66	128.59	42.820		
15,800.00	7,730.00	7,807.76	7,685.66	117.56	32.78	-90.90	-185.65	5,860.97	5,596.96	5,468.12	128.84	43.440		
15,900.00	7,730.00	7,808.53	7,686.42	119.09	32.79	-90.92	-185.66	5,860.97	5,687.99	5,558.90	129.08	44.064		
16,000.00	7,730.00	7,809.29	7,687.18	120.63	32.79	-90.94	-185.67	5,860.97	5,779.31	5,649.99	129.31	44.692		
16,100.00	7,730.00	7,810.04	7,687.94	122.18	32.79	-90.95	-185.67	5,860.98	5,870.91	5,741.38	129.53	45.324		
16,200.00	7,730.00	7,810.79	7,688.68	123.73	32.79	-90.97	-185.68	5,860.98	5,962.78	5,833.04	129.74	45.959		
16,300.00	7,730.00	7,811.53	7,689.43	125.29	32.79	-90.99	-185.69	5,860.98	6,054.91	5,924.97	129.94	46.597		
16,400.00	7,730.00	7,812.26	7,690.16	126.86	32.80	-91.01	-185.69	5,860.99	6,147.29	6,017.15	130.13	47.238		
16,500.00	7,730.00	7,812.99	7,690.89	128.43	32.80	-91.03	-185.70	5,860.99	6,239.90	6,109.58	130.32	47.882		
16,600.00	7,730.00	7,813.72	7,691.61	130.01	32.80	-91.05	-185.71	5,860.99	6,332.73	6,202.24	130.50	48.528		
16,700.00	7,730.00	7,814.44	7,692.33	131.59	32.80	-91.06	-185.71	5,860.99	6,425.78	6,295.12	130.67	49.177		
16,800.00	7,730.00	7,815.15	7,693.04	133.18	32.81	-91.08	-185.72	5,861.00	6,519.04	6,388.21	130.83	49.829		
16,900.00	7,730.00	7,815.85	7,693.75	134.77	32.81	-91.10	-185.72	5,861.00	6,612.49	6,481.50	130.99	50.483		
17,000.00	7,730.00	7,816.56	7,694.45	136.37	32.81	-91.11	-185.73	5,861.00	6,706.13	6,574.99	131.14	51.139		
17,100.00	7,730.00	7,817.25	7,695.15	137.97	32.81	-91.13	-185.74	5,861.01	6,799.95	6,668.67	131.28	51.797		
17,200.00	7,730.00	7,817.94	7,695.84	139.57	32.81	-91.15	-185.74	5,861.01	6,893.95	6,762.53	131.42	52.457		
17,300.00	7,730.00	7,818.63	7,696.52	141.18	32.82	-91.17	-185.75	5,861.01	6,988.11	6,856.55	131.56	53.118		
17,400.00	7,730.00	7,819.30	7,697.20	142.79	32.82	-91.18	-185.75	5,861.01	7,082.43	6,950.75	131.69	53.782		
17,500.00	7,730.00	7,819.98	7,697.87	144.41	32.82	-91.20	-185.76	5,861.02	7,176.91	7,045.10	131.81	54.447		
17,600.00	7,730.00	7,820.65	7,698.54	146.03	32.82	-91.21	-185.76	5,861.02	7,271.53	7,139.60	131.94	55.114		
17,700.00	7,730.00	7,821.31	7,699.21	147.65	32.82	-91.23	-185.77	5,861.02	7,366.30	7,234.25	132.05	55.783		
17,800.00	7,730.00	7,821.97	7,699.87	149.28	32.83	-91.25	-185.78	5,861.02	7,461.20	7,329.04	132.17	56.453		
17,900.00	7,730.00	7,822.62	7,700.52	150.91	32.83	-91.26	-185.78	5,861.03	7,556.24	7,423.96	132.28	57.124		
18,000.00	7,730.00	7,823.27	7,701.17	152.54	32.83	-91.28	-185.79	5,861.03	7,651.40	7,519.01	132.39	57.796		
18,100.00	7,730.00	7,823.92	7,701.81	154.18	32.83	-91.29	-185.79	5,861.03	7,746.68	7,614.19	132.49	58.470		
18,200.00	7,730.00	7,824.56	7,702.45	155.82	32.83	-91.31	-185.80	5,861.03	7,842.08	7,709.49	132.59	59.145		
18,300.00	7,730.00	7,825.19	7,703.09	157.46	32.84	-91.33	-185.80	5,861.03	7,937.59	7,804.90	132.69	59.821		
18,400.00	7,730.00	7,825.82	7,703.71	159.11	32.84	-91.34	-185.81	5,861.04	8,033.21	7,900.43	132.78	60.498		
18,500.00	7,730.00	7,826.44	7,704.34	160.75	32.84	-91.36	-185.81	5,861.04	8,128.94	7,996.06	132.88	61.176		
18,600.00	7,730.00	7,827.06	7,704.96	162.40	32.84	-91.37	-185.82	5,861.04	8,224.77	8,091.80	132.97	61.855		
18,700.00	7,730.00	7,827.68	7,705.58	164.05	32.84	-91.39	-185.82	5,861.04	8,320.70	8,187.64	133.06	62.535		
18,800.00	7,730.00	7,828.29	7,706.19	165.71	32.85	-91.40	-185.83	5,861.04	8,416.72	8,283.58	133.14	63.216		
18,900.00	7,730.00	7,828.90	7,706.79	167.36	32.85	-91.42	-185.83	5,861.05	8,512.83	8,379.61	133.23	63.898		
18,942.39	7,730.00	7,829.15	7,707.05	168.07	32.85	-91.42	-185.84	5,861.05	8,553.60	8,420.34	133.26	64.187		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 139-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	81.99	761.59	5,412.56	5,466.50					
100.00	100.00	54.93	54.93	0.13	0.09	81.99	761.60	5,412.38	5,465.82	5,465.60	0.23	N/A		
200.00	200.00	177.36	177.35	0.49	0.36	81.99	761.81	5,410.79	5,464.48	5,463.62	0.86	6,381.606		
300.00	300.00	230.59	230.57	0.85	0.55	81.98	762.33	5,410.37	5,463.83	5,462.42	1.40	3,896.324		
400.00	400.00	328.42	328.37	1.21	0.90	81.95	764.74	5,409.82	5,463.61	5,461.51	2.11	2,591.977		
426.81	426.81	344.87	344.81	1.31	0.96	81.95	765.43	5,409.71	5,463.60	5,461.33	2.26	2,413.514		
500.00	500.00	395.58	395.43	1.57	1.15	81.92	768.33	5,409.41	5,463.75	5,461.04	2.71	2,016.859		
600.00	600.00	460.85	460.48	1.93	1.39	81.86	773.70	5,409.12	5,464.47	5,461.16	3.31	1,651.627		
700.00	700.00	1,103.95	1,091.48	2.29	4.24	80.63	885.69	5,368.48	5,461.61	5,455.11	6.50	840.297		
800.00	800.00	1,187.13	1,172.04	2.64	4.67	80.43	903.88	5,358.48	5,453.12	5,445.84	7.28	749.223		
900.00	899.98	1,282.34	1,264.56	3.00	5.16	20.69	923.39	5,347.37	5,443.23	5,435.12	8.11	671.165		
1,000.00	999.84	1,322.26	1,303.45	3.35	5.36	20.70	931.27	5,343.00	5,430.73	5,422.06	8.66	626.788		
1,100.00	1,099.45	1,371.00	1,350.95	3.71	5.61	20.71	941.05	5,338.15	5,416.04	5,406.78	9.26	584.692		
1,200.00	1,198.70	1,426.03	1,404.51	4.08	5.89	20.72	952.59	5,333.06	5,399.00	5,389.10	9.90	545.285		
1,300.00	1,297.47	1,530.72	1,505.96	4.47	6.44	20.66	976.56	5,323.47	5,379.27	5,368.47	10.81	497.715		
1,400.00	1,395.62	1,662.08	1,632.57	4.87	7.17	20.54	1,008.95	5,310.08	5,355.68	5,343.80	11.88	450.715		
1,500.00	1,493.06	1,726.90	1,695.18	5.31	7.52	20.61	1,024.39	5,303.60	5,329.06	5,316.46	12.60	422.958		
1,600.00	1,589.64	1,826.74	1,792.12	5.77	8.05	20.67	1,046.38	5,294.25	5,299.65	5,286.15	13.49	392.802		
1,700.00	1,685.27	1,914.75	1,877.88	6.28	8.50	20.79	1,064.40	5,286.15	5,267.06	5,252.75	14.31	368.024		
1,800.00	1,779.82	1,979.61	1,941.32	6.83	8.82	21.00	1,076.73	5,280.55	5,231.71	5,216.69	15.02	348.387		
1,900.00	1,873.17	2,060.68	2,020.53	7.43	9.23	21.21	1,092.66	5,273.96	5,193.87	5,178.06	15.81	328.441		
2,000.00	1,965.21	2,266.95	2,220.74	8.08	10.32	21.31	1,137.97	5,253.86	5,152.04	5,134.78	17.26	298.437		
2,100.00	2,055.84	2,370.22	2,321.31	8.79	10.85	21.61	1,158.63	5,242.71	5,106.01	5,087.83	18.18	280.802		
2,200.00	2,144.94	2,438.19	2,387.74	9.56	11.20	21.99	1,171.11	5,235.64	5,057.23	5,038.29	18.94	267.049		
2,300.00	2,232.39	2,493.00	2,441.24	10.39	11.47	22.43	1,181.68	5,230.13	5,006.10	4,986.46	19.64	254.885		
2,400.00	2,318.11	2,550.28	2,497.06	11.30	11.77	22.90	1,193.30	5,224.60	4,952.71	4,932.34	20.38	243.058		
2,504.60	2,405.78	2,645.63	2,589.80	12.31	12.27	23.43	1,213.58	5,215.69	4,894.41	4,873.08	21.33	229.460		
2,600.00	2,484.79	2,761.29	2,702.17	13.28	12.88	23.42	1,238.30	5,203.95	4,839.28	4,816.94	22.34	216.614		
2,700.00	2,567.60	2,870.02	2,807.76	14.32	13.46	23.41	1,261.49	5,192.24	4,781.00	4,757.65	23.34	204.807		
2,800.00	2,650.41	2,933.80	2,869.52	15.37	13.81	23.39	1,275.73	5,185.20	4,722.65	4,698.49	24.16	195.472		
2,900.00	2,733.23	2,990.85	2,924.66	16.44	14.12	23.37	1,289.01	5,179.01	4,664.62	4,639.66	24.96	186.868		
3,000.00	2,816.04	3,042.75	2,974.64	17.52	14.42	23.34	1,301.90	5,173.57	4,607.10	4,581.34	25.76	178.878		
3,100.00	2,898.85	3,106.05	3,035.43	18.60	14.78	23.29	1,318.34	5,167.15	4,550.03	4,523.41	26.62	170.934		
3,200.00	2,981.67	3,193.61	3,119.52	19.69	15.29	23.21	1,341.17	5,158.48	4,493.18	4,465.58	27.60	162.773		
3,300.00	3,064.48	3,305.99	3,227.41	20.79	15.94	23.11	1,370.32	5,146.74	4,435.86	4,407.16	28.71	154.531		
3,400.00	3,147.30	3,383.83	3,302.07	21.90	16.40	23.04	1,390.64	5,138.29	4,378.26	4,348.60	29.65	147.646		
3,500.00	3,230.11	3,488.80	3,402.63	23.00	17.02	22.93	1,418.51	5,126.91	4,320.79	4,290.06	30.73	140.613		
3,600.00	3,312.92	3,584.91	3,494.51	24.12	17.59	22.82	1,444.35	5,115.61	4,262.57	4,230.81	31.77	134.181		
3,700.00	3,395.74	3,651.96	3,558.68	25.23	17.99	22.74	1,462.21	5,107.83	4,204.47	4,171.80	32.68	128.667		
3,800.00	3,478.55	3,713.21	3,617.68	26.35	18.34	22.69	1,477.26	5,101.26	4,146.76	4,113.19	33.56	123.549		
3,900.00	3,561.36	3,779.44	3,681.63	27.47	18.71	22.65	1,493.09	5,094.53	4,089.39	4,054.93	34.46	118.655		
4,000.00	3,644.18	3,891.95	3,789.99	28.59	19.36	22.55	1,521.04	5,082.85	4,032.04	3,996.49	35.54	113.436		
4,100.00	3,726.99	3,990.50	3,885.02	29.72	19.91	22.47	1,544.79	5,072.00	3,974.03	3,937.46	36.56	108.690		
4,200.00	3,809.81	4,073.43	3,965.35	30.85	20.37	22.43	1,563.28	5,062.99	3,915.84	3,878.33	37.51	104.387		
4,300.00	3,892.62	4,139.49	4,029.46	31.98	20.72	22.40	1,577.60	5,055.98	3,857.77	3,819.36	38.41	100.448		
4,400.00	3,975.43	4,211.50	4,099.63	33.11	21.09	22.40	1,592.13	5,048.89	3,800.05	3,760.74	39.31	96.659		
4,500.00	4,058.25	4,324.86	4,210.23	34.24	21.67	22.40	1,614.25	5,037.64	3,742.23	3,701.90	40.32	92.808		
4,600.00	4,141.06	4,459.22	4,340.90	35.37	22.38	22.38	1,641.48	5,022.20	3,683.18	3,641.80	41.38	89.017		
4,700.00	4,223.87	4,505.04	4,385.42	36.50	22.62	22.37	1,650.85	5,016.83	3,624.02	3,581.79	42.23	85.823		
4,800.00	4,306.69	4,555.00	4,434.14	37.64	22.88	22.37	1,660.63	5,011.60	3,565.67	3,522.57	43.10	82.739		
4,900.00	4,389.50	4,586.76	4,465.22	38.77	23.03	22.38	1,666.48	5,008.71	3,508.22	3,464.30	43.92	79.875		
5,000.00	4,472.32	4,622.68	4,500.52	39.91	23.20	22.40	1,672.60	5,006.02	3,451.88	3,407.11	44.77	77.111		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 139-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,711.06	4,587.76	41.05	23.59	22.51	1,685.66	5,000.78	3,396.46	3,350.77	45.69	74.341		
5,200.00	4,637.94	4,799.36	4,675.21	42.18	23.95	22.66	1,696.55	4,995.17	3,340.27	3,293.68	46.59	71.693		
5,300.00	4,720.76	4,866.20	4,741.61	43.32	24.20	22.81	1,703.18	4,991.51	3,284.43	3,236.96	47.47	69.190		
5,400.00	4,803.57	4,933.52	4,808.61	44.46	24.45	22.99	1,709.00	4,988.35	3,229.02	3,180.67	48.35	66.784		
5,500.00	4,886.39	5,024.65	4,899.43	45.60	24.76	23.27	1,715.36	4,984.44	3,173.72	3,124.48	49.24	64.453		
5,600.00	4,969.20	5,078.25	4,952.92	46.74	24.93	23.46	1,718.25	4,982.50	3,118.75	3,068.64	50.12	62.227		
5,700.00	5,052.01	5,145.25	5,019.84	47.88	25.13	23.73	1,720.91	4,980.83	3,064.53	3,013.53	51.01	60.083		
5,800.00	5,134.83	5,229.35	5,103.92	49.02	25.35	24.15	1,721.27	4,979.26	3,010.40	2,958.51	51.89	58.011		
5,900.00	5,217.64	5,295.51	5,170.07	50.16	25.50	24.52	1,720.10	4,978.51	2,956.66	2,903.87	52.79	56.007		
6,000.00	5,300.45	5,383.32	5,257.85	51.30	25.69	25.04	1,717.99	4,977.79	2,903.25	2,849.55	53.70	54.068		
6,100.00	5,383.27	5,495.57	5,370.05	52.45	25.95	25.73	1,715.40	4,976.11	2,849.47	2,794.87	54.61	52.183		
6,200.00	5,466.08	5,568.24	5,442.69	53.59	26.12	26.19	1,713.72	4,974.74	2,795.54	2,739.98	55.56	50.316		
6,300.00	5,548.90	5,638.02	5,512.44	54.73	26.28	26.65	1,712.34	4,973.60	2,742.04	2,685.50	56.54	48.499		
6,400.00	5,631.71	5,708.52	5,582.94	55.87	26.45	27.11	1,711.41	4,972.71	2,689.09	2,631.56	57.54	46.737		
6,500.00	5,714.52	5,783.17	5,657.58	57.02	26.64	27.61	1,710.68	4,972.01	2,636.63	2,578.07	58.56	45.026		
6,600.00	5,797.34	5,867.45	5,741.85	58.16	26.85	28.20	1,709.98	4,971.26	2,584.42	2,524.82	59.60	43.366		
6,700.00	5,880.15	5,938.75	5,813.14	59.30	27.03	28.70	1,709.58	4,970.73	2,532.57	2,471.90	60.67	41.743		
6,800.00	5,962.96	6,021.86	5,896.26	60.45	27.24	29.31	1,709.36	4,970.30	2,481.14	2,419.37	61.76	40.172		
6,900.00	6,045.78	6,102.49	5,976.89	61.59	27.45	29.92	1,709.25	4,969.80	2,429.87	2,366.98	62.89	38.639		
7,000.00	6,128.59	6,182.45	6,056.84	62.73	27.67	30.54	1,709.43	4,969.42	2,378.97	2,314.93	64.04	37.147		
7,100.00	6,211.41	6,262.75	6,137.14	63.88	27.89	31.18	1,709.80	4,969.06	2,328.36	2,263.13	65.23	35.696		
7,200.00	6,294.22	6,337.97	6,212.36	65.02	28.10	31.80	1,710.28	4,968.90	2,278.21	2,211.76	66.45	34.286		
7,300.00	6,377.03	6,411.27	6,285.66	66.17	28.30	32.43	1,710.51	4,969.03	2,228.66	2,160.96	67.70	32.920		
7,400.00	6,459.85	6,498.36	6,372.75	67.31	28.53	33.22	1,710.47	4,969.37	2,179.57	2,110.59	68.98	31.598		
7,500.00	6,542.66	6,580.83	6,455.22	68.46	28.75	34.00	1,710.48	4,969.54	2,130.65	2,060.36	70.30	30.309		
7,600.00	6,625.48	6,669.42	6,543.81	69.60	28.99	34.88	1,710.33	4,969.71	2,082.09	2,010.43	71.65	29.057		
7,700.00	6,708.29	6,755.63	6,630.02	70.75	29.22	35.78	1,710.14	4,969.57	2,033.59	1,960.54	73.06	27.835		
7,800.00	6,791.10	6,839.23	6,713.62	71.89	29.45	36.68	1,710.05	4,969.42	1,985.51	1,911.00	74.51	26.647		
7,900.00	6,873.92	6,924.19	6,798.58	73.04	29.68	37.64	1,710.03	4,969.16	1,937.74	1,861.73	76.01	25.492		
8,000.00	6,956.73	7,006.64	6,881.02	74.18	29.91	38.61	1,709.98	4,968.88	1,890.43	1,812.85	77.57	24.370		
8,100.00	7,039.54	7,089.43	6,963.82	75.33	30.14	39.63	1,709.92	4,968.59	1,843.61	1,764.43	79.18	23.283		
8,165.32	7,093.63	7,143.00	7,017.39	76.08	30.30	40.31	1,709.94	4,968.42	1,813.33	1,733.07	80.27	22.591		
8,200.00	7,122.60	7,171.75	7,046.14	76.47	30.38	34.05	1,709.98	4,968.33	1,797.13	1,716.31	80.82	22.237		
8,250.00	7,165.05	7,216.71	7,091.10	77.01	30.51	24.13	1,710.08	4,968.17	1,773.12	1,691.63	81.49	21.758		
8,300.00	7,208.03	7,262.39	7,136.77	77.52	30.64	13.30	1,710.22	4,967.94	1,748.40	1,666.39	82.02	21.318		
8,350.00	7,251.22	7,307.38	7,181.77	77.99	30.77	1.94	1,710.37	4,967.65	1,723.11	1,640.73	82.38	20.917		
8,400.00	7,294.28	7,352.07	7,226.45	78.41	30.90	-9.50	1,710.50	4,967.31	1,697.44	1,614.87	82.57	20.556		
8,450.00	7,336.90	7,395.54	7,269.92	78.78	31.03	-20.60	1,710.62	4,966.94	1,671.61	1,589.01	82.60	20.239		
8,500.00	7,378.73	7,437.99	7,312.37	79.10	31.15	-31.04	1,710.78	4,966.56	1,645.86	1,563.43	82.44	19.965		
8,550.00	7,419.47	7,479.27	7,353.65	79.37	31.28	-40.66	1,710.97	4,966.18	1,620.49	1,538.40	82.09	19.740		
8,600.00	7,458.81	7,519.04	7,393.42	79.59	31.39	-49.38	1,711.19	4,965.79	1,595.81	1,514.24	81.57	19.564		
8,650.00	7,496.44	7,557.01	7,431.38	79.76	31.51	-57.20	1,711.43	4,965.40	1,572.17	1,491.29	80.87	19.440		
8,700.00	7,532.08	7,587.96	7,462.33	79.88	31.60	-64.01	1,711.60	4,965.13	1,550.00	1,469.97	80.03	19.367		
8,750.00	7,565.46	7,618.00	7,492.36	79.95	31.69	-69.98	1,711.73	4,964.93	1,529.69	1,450.65	79.04	19.353 SF		
8,800.00	7,596.33	7,645.99	7,520.35	79.98	31.77	-75.14	1,711.83	4,964.79	1,511.62	1,433.69	77.93	19.397		
8,850.00	7,624.44	7,672.17	7,546.54	79.97	31.85	-79.54	1,711.91	4,964.70	1,496.13	1,419.41	76.72	19.501		
8,900.00	7,649.59	7,695.60	7,569.97	79.93	31.92	-83.19	1,711.99	4,964.65	1,483.58	1,408.13	75.45	19.662		
8,950.00	7,671.59	7,716.09	7,590.45	79.84	31.98	-86.12	1,712.06	4,964.62	1,474.29	1,400.11	74.18	19.876		
9,000.00	7,690.26	7,733.46	7,607.83	79.73	32.03	-88.35	1,712.12	4,964.61	1,468.51	1,395.58	72.93	20.135		
9,050.00	7,705.47	7,748.44	7,622.80	79.59	32.07	-89.93	1,712.17	4,964.61	1,466.46	1,394.69	71.77	20.434 ES		
9,051.87	7,705.96	7,748.93	7,623.30	79.59	32.07	-89.97	1,712.17	4,964.61	1,466.46	1,394.73	71.73	20.445 CC		
9,100.00	7,717.09	7,760.03	7,634.40	79.43	32.11	-90.83	1,712.20	4,964.61	1,468.26	1,397.52	70.74	20.757		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 139-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,725.04	7,767.95	7,642.32	79.26	32.13	-91.06	1,712.22	4,964.61	1,473.96	1,404.09	69.88	21.094		
9,200.00	7,729.27	7,772.12	7,646.48	79.06	32.14	-90.60	1,712.23	4,964.61	1,483.55	1,414.33	69.22	21.431		
9,231.13	7,730.00	7,772.79	7,647.16	78.93	32.14	-89.97	1,712.23	4,964.61	1,491.43	1,422.51	68.93	21.638		
9,300.00	7,730.00	7,772.64	7,647.01	78.65	32.14	-89.96	1,712.23	4,964.61	1,511.90	1,443.33	68.57	22.049		
9,400.00	7,730.00	7,772.42	7,646.79	78.26	32.14	-89.95	1,712.23	4,964.61	1,546.61	1,477.85	68.76	22.492		
9,500.00	7,730.00	7,772.20	7,646.57	77.89	32.14	-89.94	1,712.23	4,964.61	1,586.88	1,517.19	69.69	22.772		
9,600.00	7,730.00	7,771.98	7,646.35	77.53	32.14	-89.93	1,712.23	4,964.61	1,632.28	1,561.11	71.17	22.936		
9,700.00	7,730.00	7,771.76	7,646.13	77.19	32.14	-89.93	1,712.23	4,964.61	1,682.41	1,609.38	73.03	23.038		
9,800.00	7,730.00	7,771.54	7,645.90	76.88	32.14	-89.92	1,712.23	4,964.61	1,736.85	1,661.74	75.11	23.123		
9,900.00	7,730.00	7,771.31	7,645.68	76.58	32.14	-89.91	1,712.23	4,964.61	1,795.22	1,717.91	77.30	23.223		
10,000.00	7,730.00	7,771.08	7,645.45	76.30	32.14	-89.90	1,712.23	4,964.61	1,857.14	1,777.63	79.51	23.357		
10,100.00	7,730.00	7,770.85	7,645.22	76.04	32.14	-89.89	1,712.23	4,964.61	1,922.27	1,840.59	81.68	23.534		
10,200.00	7,730.00	7,770.62	7,644.99	75.79	32.14	-89.88	1,712.23	4,964.61	1,990.30	1,906.53	83.77	23.760		
10,300.00	7,730.00	7,770.39	7,644.76	75.57	32.14	-89.87	1,712.23	4,964.61	2,060.93	1,975.18	85.75	24.033		
10,400.00	7,730.00	7,770.15	7,644.52	75.36	32.14	-89.86	1,712.23	4,964.61	2,133.92	2,046.29	87.63	24.352		
10,500.00	7,730.00	7,769.92	7,644.28	75.18	32.14	-89.85	1,712.23	4,964.61	2,209.02	2,119.63	89.38	24.714		
10,600.00	7,730.00	7,769.68	7,644.05	75.01	32.13	-89.84	1,712.23	4,964.61	2,286.03	2,195.00	91.03	25.114		
10,700.00	7,730.00	7,769.44	7,643.80	74.86	32.13	-89.83	1,712.23	4,964.61	2,364.76	2,272.20	92.56	25.549		
10,800.00	7,730.00	7,769.19	7,643.56	74.74	32.13	-89.82	1,712.22	4,964.61	2,445.04	2,351.07	93.98	26.017		
10,900.00	7,730.00	7,768.95	7,643.32	74.64	32.13	-89.81	1,712.22	4,964.61	2,526.74	2,431.44	95.30	26.513		
11,000.00	7,730.00	7,768.70	7,643.07	74.56	32.13	-89.80	1,712.22	4,964.61	2,609.70	2,513.17	96.53	27.035		
11,100.00	7,730.00	7,768.45	7,642.82	74.51	32.13	-89.79	1,712.22	4,964.61	2,693.83	2,596.16	97.67	27.580		
11,200.00	7,730.00	7,768.20	7,642.57	74.48	32.13	-89.78	1,712.22	4,964.61	2,779.01	2,680.27	98.74	28.146		
11,300.00	7,730.00	7,767.95	7,642.32	74.48	32.13	-89.77	1,712.22	4,964.61	2,865.14	2,765.42	99.73	28.730		
11,400.00	7,730.00	7,767.70	7,642.06	74.50	32.13	-89.76	1,712.22	4,964.61	2,952.15	2,851.50	100.65	29.332		
11,500.00	7,730.00	7,767.44	7,641.81	74.56	32.13	-89.75	1,712.22	4,964.61	3,039.96	2,938.45	101.51	29.949		
11,600.00	7,730.00	7,767.18	7,641.55	74.66	32.13	-89.74	1,712.22	4,964.61	3,128.50	3,026.19	102.31	30.579		
11,700.00	7,730.00	7,766.92	7,641.29	74.79	32.13	-89.73	1,712.22	4,964.61	3,217.71	3,114.65	103.06	31.222		
11,800.00	7,730.00	7,766.66	7,641.02	74.96	32.13	-89.72	1,712.22	4,964.61	3,307.54	3,203.78	103.76	31.877		
11,900.00	7,730.00	7,766.39	7,640.76	75.17	32.13	-89.71	1,712.22	4,964.61	3,397.94	3,293.52	104.42	32.542		
12,000.00	7,730.00	7,766.12	7,640.49	75.43	32.12	-89.70	1,712.22	4,964.61	3,488.86	3,383.82	105.03	33.216		
12,100.00	7,730.00	7,765.85	7,640.22	75.73	32.12	-89.69	1,712.22	4,964.61	3,580.26	3,474.65	105.61	33.899		
12,200.00	7,730.00	7,765.58	7,639.95	76.09	32.12	-89.68	1,712.22	4,964.61	3,672.12	3,565.96	106.16	34.590		
12,300.00	7,730.00	7,765.31	7,639.67	76.51	32.12	-89.67	1,712.22	4,964.61	3,764.39	3,657.71	106.67	35.289		
12,400.00	7,730.00	7,765.03	7,639.40	76.97	32.12	-89.66	1,712.22	4,964.61	3,857.04	3,749.88	107.16	35.993		
12,500.00	7,730.00	7,764.75	7,639.12	77.50	32.12	-89.65	1,712.21	4,964.61	3,950.05	3,842.43	107.62	36.704		
12,600.00	7,730.00	7,764.47	7,638.84	78.09	32.12	-89.63	1,712.21	4,964.61	4,043.40	3,935.35	108.05	37.421		
12,700.00	7,730.00	7,764.18	7,638.55	78.74	32.12	-89.62	1,712.21	4,964.61	4,137.06	4,028.59	108.46	38.143		
12,800.00	7,730.00	7,763.90	7,638.27	79.45	32.12	-89.61	1,712.21	4,964.61	4,231.00	4,122.15	108.85	38.870		
12,900.00	7,730.00	7,763.61	7,637.98	80.22	32.12	-89.60	1,712.21	4,964.61	4,325.22	4,216.00	109.22	39.601		
13,000.00	7,730.00	7,763.32	7,637.69	81.05	32.12	-89.59	1,712.21	4,964.61	4,419.69	4,310.12	109.57	40.336		
13,100.00	7,730.00	7,763.02	7,637.39	81.94	32.12	-89.58	1,712.21	4,964.61	4,514.40	4,404.50	109.91	41.075		
13,200.00	7,730.00	7,762.73	7,637.09	82.87	32.11	-89.56	1,712.21	4,964.61	4,609.34	4,499.12	110.22	41.818		
13,300.00	7,730.00	7,762.43	7,636.80	83.86	32.11	-89.55	1,712.21	4,964.61	4,704.48	4,593.96	110.53	42.564		
13,400.00	7,730.00	7,762.12	7,636.49	84.90	32.11	-89.54	1,712.21	4,964.61	4,799.82	4,689.01	110.82	43.313		
13,500.00	7,730.00	7,761.82	7,636.19	85.97	32.11	-89.53	1,712.21	4,964.61	4,895.35	4,784.26	111.09	44.065		
13,600.00	7,730.00	7,761.51	7,635.88	87.09	32.11	-89.52	1,712.21	4,964.61	4,991.05	4,879.70	111.36	44.820		
13,700.00	7,730.00	7,761.20	7,635.57	88.25	32.11	-89.50	1,712.21	4,964.61	5,086.92	4,975.31	111.61	45.577		
13,800.00	7,730.00	7,760.89	7,635.26	89.44	32.11	-89.49	1,712.20	4,964.61	5,182.95	5,071.09	111.85	46.336		
13,900.00	7,730.00	7,760.57	7,634.94	90.66	32.11	-89.48	1,712.20	4,964.61	5,279.12	5,167.03	112.09	47.098		
14,000.00	7,730.00	7,760.25	7,634.62	91.92	32.11	-89.47	1,712.20	4,964.61	5,375.43	5,263.12	112.31	47.862		
14,100.00	7,730.00	7,759.93	7,634.30	93.20	32.11	-89.45	1,712.20	4,964.61	5,471.87	5,359.35	112.53	48.627		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 139-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,759.61	7,633.98	94.50	32.11	-89.44	1,712.20	4,964.61	5,568.44	5,455.71	112.73	49.395		
14,300.00	7,730.00	7,759.28	7,633.65	95.83	32.10	-89.43	1,712.20	4,964.61	5,665.13	5,552.20	112.93	50.164		
14,400.00	7,730.00	7,758.95	7,633.32	97.17	32.10	-89.41	1,712.20	4,964.61	5,761.93	5,648.81	113.13	50.934		
14,500.00	7,730.00	7,758.61	7,632.98	98.54	32.10	-89.40	1,712.20	4,964.61	5,858.84	5,745.53	113.31	51.706		
14,600.00	7,730.00	7,758.28	7,632.64	99.92	32.10	-89.39	1,712.20	4,964.61	5,955.85	5,842.36	113.49	52.479		
14,700.00	7,730.00	7,757.94	7,632.30	101.32	32.10	-89.37	1,712.20	4,964.61	6,052.96	5,939.30	113.66	53.254		
14,800.00	7,730.00	7,757.59	7,631.96	102.74	32.10	-89.36	1,712.20	4,964.61	6,150.16	6,036.33	113.83	54.030		
14,900.00	7,730.00	7,757.25	7,631.61	104.17	32.10	-89.35	1,712.20	4,964.61	6,247.45	6,133.46	113.99	54.807		
15,000.00	7,730.00	7,756.89	7,631.26	105.62	32.10	-89.33	1,712.19	4,964.61	6,344.82	6,230.68	114.15	55.585		
15,100.00	7,730.00	7,756.54	7,630.91	107.07	32.10	-89.32	1,712.19	4,964.61	6,442.28	6,327.98	114.30	56.364		
15,200.00	7,730.00	7,756.18	7,630.55	108.54	32.10	-89.30	1,712.19	4,964.61	6,539.81	6,425.36	114.45	57.143		
15,300.00	7,730.00	7,755.82	7,630.19	110.02	32.09	-89.29	1,712.19	4,964.61	6,637.41	6,522.82	114.59	57.924		
15,400.00	7,730.00	7,755.46	7,629.83	111.51	32.09	-89.27	1,712.19	4,964.61	6,735.09	6,620.36	114.73	58.706		
15,500.00	7,730.00	7,755.09	7,629.46	113.01	32.09	-89.26	1,712.19	4,964.61	6,832.83	6,717.97	114.86	59.488		
15,600.00	7,730.00	7,754.72	7,629.09	114.52	32.09	-89.24	1,712.19	4,964.61	6,930.63	6,815.64	114.99	60.270		
15,700.00	7,730.00	7,754.34	7,628.71	116.04	32.09	-89.23	1,712.19	4,964.61	7,028.50	6,913.38	115.12	61.054		
15,800.00	7,730.00	7,753.97	7,628.33	117.56	32.09	-89.21	1,712.19	4,964.61	7,126.43	7,011.19	115.24	61.838		
15,900.00	7,730.00	7,753.58	7,627.95	119.09	32.09	-89.20	1,712.19	4,964.61	7,224.41	7,109.05	115.36	62.623		
16,000.00	7,730.00	7,753.20	7,627.56	120.63	32.09	-89.18	1,712.18	4,964.61	7,322.45	7,206.97	115.48	63.408		
16,100.00	7,730.00	7,752.81	7,627.17	122.18	32.09	-89.17	1,712.18	4,964.61	7,420.54	7,304.94	115.60	64.193		
16,200.00	7,730.00	7,752.41	7,626.78	123.73	32.08	-89.15	1,712.18	4,964.61	7,518.68	7,402.97	115.71	64.979		
16,300.00	7,730.00	7,752.01	7,626.38	125.29	32.08	-89.14	1,712.18	4,964.61	7,616.87	7,501.05	115.82	65.765		
16,400.00	7,730.00	7,751.61	7,625.98	126.86	32.08	-89.12	1,712.18	4,964.61	7,715.11	7,599.18	115.93	66.552		
16,500.00	7,730.00	7,751.20	7,625.57	128.43	32.08	-89.10	1,712.18	4,964.61	7,813.39	7,697.36	116.03	67.339		
16,600.00	7,730.00	7,750.79	7,625.16	130.01	32.08	-89.09	1,712.18	4,964.61	7,911.71	7,795.58	116.13	68.126		
16,700.00	7,730.00	7,750.38	7,624.74	131.59	32.08	-89.07	1,712.18	4,964.61	8,010.08	7,893.84	116.23	68.914		
16,800.00	7,730.00	7,749.96	7,624.32	133.18	32.08	-89.05	1,712.17	4,964.61	8,108.48	7,992.15	116.33	69.702		
16,900.00	7,730.00	7,749.53	7,623.90	134.77	32.08	-89.04	1,712.17	4,964.61	8,206.93	8,090.50	116.43	70.489		
17,000.00	7,730.00	7,749.10	7,623.47	136.37	32.07	-89.02	1,712.17	4,964.61	8,305.41	8,188.88	116.52	71.278		
17,100.00	7,730.00	7,748.67	7,623.04	137.97	32.07	-89.00	1,712.17	4,964.61	8,403.92	8,287.31	116.61	72.066		
17,200.00	7,730.00	7,748.23	7,622.60	139.57	32.07	-88.98	1,712.17	4,964.61	8,502.47	8,385.77	116.71	72.854		
17,300.00	7,730.00	7,747.79	7,622.16	141.18	32.07	-88.97	1,712.17	4,964.61	8,601.06	8,484.26	116.79	73.643		
17,400.00	7,730.00	7,747.34	7,621.71	142.79	32.07	-88.95	1,712.17	4,964.61	8,699.68	8,582.79	116.88	74.431		
17,500.00	7,730.00	7,746.89	7,621.26	144.41	32.07	-88.93	1,712.17	4,964.61	8,798.32	8,681.36	116.97	75.220		
17,600.00	7,730.00	7,746.43	7,620.80	146.03	32.07	-88.91	1,712.16	4,964.61	8,897.00	8,779.95	117.05	76.008		
17,700.00	7,730.00	7,745.97	7,620.34	147.65	32.07	-88.89	1,712.16	4,964.61	8,995.71	8,878.57	117.14	76.797		
17,800.00	7,730.00	7,745.50	7,619.87	149.28	32.06	-88.88	1,712.16	4,964.61	9,094.45	8,977.23	117.22	77.585		
17,900.00	7,730.00	7,745.03	7,619.40	150.91	32.06	-88.86	1,712.16	4,964.61	9,193.21	9,075.91	117.30	78.374		
18,000.00	7,730.00	7,744.55	7,618.92	152.54	32.06	-88.84	1,712.16	4,964.61	9,292.00	9,174.62	117.38	79.162		
18,100.00	7,730.00	7,744.07	7,618.43	154.18	32.06	-88.82	1,712.16	4,964.61	9,390.81	9,273.36	117.46	79.951		
18,200.00	7,730.00	7,743.58	7,617.94	155.82	32.06	-88.80	1,712.15	4,964.61	9,489.65	9,372.12	117.53	80.739		
18,300.00	7,730.00	7,743.08	7,617.45	157.46	32.06	-88.78	1,712.15	4,964.61	9,588.52	9,470.91	117.61	81.527		
18,400.00	7,730.00	7,742.58	7,616.95	159.11	32.06	-88.76	1,712.15	4,964.61	9,687.41	9,569.72	117.69	82.316		
18,500.00	7,730.00	7,742.07	7,616.44	160.75	32.05	-88.74	1,712.15	4,964.61	9,786.32	9,668.55	117.76	83.104		
18,600.00	7,730.00	7,741.56	7,615.93	162.40	32.05	-88.72	1,712.15	4,964.61	9,885.25	9,767.41	117.83	83.891		
18,700.00	7,730.00	7,741.04	7,615.41	164.05	32.05	-88.70	1,712.15	4,964.61	9,984.20	9,866.29	117.91	84.679		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	81.88	776.17	5,437.76	5,493.49					
100.00	100.00	0.00	0.00	0.13	0.00	81.88	776.17	5,437.76	5,492.90	5,492.77	0.13	N/A		
200.00	200.00	66.45	66.45	0.49	0.11	81.87	776.49	5,438.03	5,493.43	5,492.83	0.60	9,124.133		
300.00	300.00	138.00	137.98	0.85	0.23	81.86	777.55	5,438.92	5,494.80	5,493.73	1.08	5,102.684		
400.00	400.00	138.00	137.98	1.21	0.23	81.86	777.55	5,438.92	5,497.17	5,495.73	1.44	3,822.068		
500.00	500.00	199.28	199.22	1.57	0.45	81.85	779.30	5,440.51	5,500.39	5,498.37	2.02	2,726.566		
600.00	600.00	229.00	228.89	1.93	0.56	81.84	780.52	5,441.67	5,504.96	5,502.48	2.48	2,216.315		
700.00	700.00	265.53	265.33	2.29	0.70	81.82	782.21	5,443.52	5,510.73	5,507.76	2.98	1,851.901		
800.00	800.00	320.00	319.61	2.64	0.90	81.80	784.91	5,447.24	5,517.90	5,514.37	3.53	1,562.691		
900.00	899.98	320.00	319.61	3.00	0.90	22.16	784.91	5,447.24	5,524.41	5,520.53	3.88	1,423.308		
1,000.00	999.84	370.26	369.61	3.35	1.09	22.12	787.66	5,451.53	5,528.92	5,524.51	4.41	1,252.983		
1,100.00	1,099.45	411.00	410.08	3.71	1.26	22.09	790.13	5,455.48	5,531.32	5,526.41	4.91	1,126.666		
1,200.00	1,198.70	448.80	447.57	4.08	1.41	22.09	792.71	5,459.52	5,531.58	5,526.17	5.40	1,023.905		
1,300.00	1,297.47	503.00	501.22	4.47	1.63	22.10	797.11	5,465.92	5,529.76	5,523.80	5.96	927.659		
1,400.00	1,395.62	503.00	501.22	4.87	1.63	22.13	797.11	5,465.92	5,525.84	5,519.52	6.32	874.603		
1,500.00	1,493.06	566.24	563.58	5.31	1.91	22.18	803.44	5,474.25	5,519.57	5,512.64	6.93	796.308		
1,600.00	1,589.64	594.00	590.87	5.77	2.03	22.24	806.68	5,478.18	5,511.33	5,503.92	7.41	743.579		
1,700.00	1,685.27	658.96	654.52	6.28	2.34	22.32	815.36	5,487.84	5,500.74	5,492.67	8.06	682.333		
1,800.00	1,779.82	685.00	679.95	6.83	2.46	22.42	819.27	5,491.86	5,487.97	5,479.41	8.56	641.086		
1,900.00	1,873.17	750.57	743.76	7.43	2.79	22.54	829.95	5,502.47	5,472.79	5,463.54	9.25	591.672		
2,000.00	1,965.21	808.89	800.28	8.08	3.09	22.67	840.28	5,512.48	5,455.46	5,445.53	9.93	549.462		
2,100.00	2,055.84	897.42	885.75	8.79	3.56	22.83	857.52	5,527.77	5,435.40	5,424.63	10.76	504.956		
2,200.00	2,144.94	996.17	980.78	9.56	4.10	23.00	878.65	5,544.38	5,412.09	5,400.40	11.69	463.117		
2,300.00	2,232.39	1,070.00	1,051.57	10.39	4.52	23.21	895.46	5,556.89	5,386.00	5,373.49	12.52	430.318		
2,400.00	2,318.11	1,278.58	1,251.55	11.30	5.71	23.45	944.23	5,590.49	5,356.34	5,342.30	14.04	381.602		
2,504.60	2,405.78	1,361.33	1,331.18	12.31	6.18	23.77	962.94	5,603.04	5,320.80	5,305.82	14.98	355.199		
2,600.00	2,484.79	1,430.00	1,397.15	13.28	6.57	23.79	978.80	5,613.61	5,287.17	5,271.34	15.82	334.120		
2,700.00	2,567.60	1,497.96	1,462.29	14.32	6.97	23.80	995.01	5,624.27	5,252.33	5,235.62	16.71	314.382		
2,800.00	2,650.41	1,558.68	1,520.31	15.37	7.33	23.81	1,009.94	5,634.07	5,218.03	5,200.46	17.57	297.004		
2,900.00	2,733.23	1,618.00	1,576.91	16.44	7.68	23.82	1,024.67	5,644.02	5,184.37	5,165.94	18.44	281.189		
3,000.00	2,816.04	1,714.06	1,668.60	17.52	8.26	23.83	1,048.05	5,660.55	5,151.04	5,131.54	19.50	264.214		
3,100.00	2,898.85	1,875.29	1,823.62	18.60	9.19	23.91	1,082.99	5,687.78	5,116.91	5,096.06	20.85	245.470		
3,200.00	2,981.67	2,049.36	1,992.56	19.69	10.13	24.06	1,114.46	5,715.40	5,081.10	5,058.89	22.20	228.854		
3,300.00	3,064.48	2,121.57	2,063.00	20.79	10.50	24.16	1,125.35	5,726.94	5,045.17	5,022.06	23.12	218.261		
3,400.00	3,147.30	2,179.00	2,119.02	21.90	10.79	24.24	1,133.70	5,736.46	5,009.77	4,985.79	23.97	208.964		
3,500.00	3,230.11	2,218.30	2,157.28	23.00	11.00	24.29	1,139.47	5,743.31	4,975.23	4,950.46	24.77	200.843		
3,600.00	3,312.92	2,272.00	2,209.37	24.12	11.28	24.36	1,147.74	5,753.43	4,941.90	4,916.27	25.63	192.782		
3,700.00	3,395.74	2,295.35	2,231.96	25.23	11.41	24.39	1,151.45	5,758.07	4,909.50	4,883.11	26.38	186.077		
3,800.00	3,478.55	2,342.17	2,277.15	26.35	11.67	24.45	1,159.00	5,767.69	4,878.13	4,850.90	27.24	179.094		
3,900.00	3,561.36	2,411.43	2,343.82	27.47	12.07	24.54	1,170.50	5,782.49	4,847.61	4,819.41	28.19	171.931		
4,000.00	3,644.18	2,492.49	2,421.75	28.59	12.54	24.63	1,184.45	5,799.88	4,817.32	4,788.11	29.21	164.919		
4,100.00	3,726.99	2,571.54	2,497.69	29.72	13.00	24.73	1,197.95	5,817.24	4,787.48	4,757.25	30.22	158.397		
4,200.00	3,809.81	2,782.65	2,701.04	30.85	14.21	24.98	1,233.97	5,861.00	4,756.39	4,724.60	31.79	149.608		
4,300.00	3,892.62	2,862.30	2,777.89	31.98	14.66	25.08	1,247.83	5,876.70	4,724.50	4,691.68	32.82	143.963		
4,400.00	3,975.43	2,965.47	2,877.31	33.11	15.25	25.19	1,266.71	5,896.75	4,692.44	4,658.49	33.95	138.218		
4,500.00	4,058.25	3,025.97	2,935.37	34.24	15.61	25.24	1,278.82	5,908.70	4,660.94	4,626.03	34.91	133.496		
4,600.00	4,141.06	3,154.58	3,058.81	35.37	16.37	25.35	1,305.02	5,933.51	4,628.96	4,592.80	36.17	127.981		
4,700.00	4,223.87	3,227.19	3,128.55	36.50	16.79	25.42	1,319.30	5,947.82	4,597.39	4,560.19	37.20	123.602		
4,800.00	4,306.69	3,323.94	3,221.61	37.64	17.36	25.52	1,337.54	5,966.98	4,565.83	4,527.51	38.32	119.147		
4,900.00	4,389.50	3,396.00	3,290.84	38.77	17.78	25.60	1,351.24	5,981.57	4,534.71	4,495.36	39.35	115.234		
5,000.00	4,472.32	3,486.31	3,377.45	39.91	18.32	25.69	1,368.91	6,000.06	4,503.91	4,463.45	40.46	111.306		
5,100.00	4,555.13	3,585.86	3,472.85	41.05	18.92	25.78	1,388.96	6,020.23	4,473.01	4,431.39	41.62	107.475		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 8-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	3,675.60	3,558.83	42.18	19.45	25.86	1,407.14	6,038.41	4,442.12	4,399.38	42.74	103.935		
5,300.00	4,720.76	3,819.18	3,696.94	43.32	20.29	26.02	1,434.87	6,066.17	4,409.94	4,365.88	44.06	100.081		
5,400.00	4,803.57	3,881.34	3,756.70	44.46	20.65	26.09	1,446.77	6,078.49	4,378.48	4,333.40	45.08	97.122		
5,500.00	4,886.39	3,966.69	3,838.62	45.60	21.16	26.18	1,463.40	6,095.70	4,347.45	4,301.25	46.19	94.113		
5,600.00	4,969.20	4,073.02	3,940.80	46.74	21.78	26.31	1,483.35	6,117.33	4,316.52	4,269.13	47.39	91.091		
5,700.00	5,052.01	4,188.09	4,051.71	47.88	22.45	26.46	1,504.14	6,139.83	4,284.67	4,236.06	48.61	88.140		
5,800.00	5,134.83	4,340.02	4,197.94	49.02	23.33	26.64	1,532.74	6,169.50	4,253.31	4,203.35	49.97	85.124		
5,900.00	5,217.64	4,412.92	4,268.13	50.16	23.75	26.72	1,547.15	6,182.93	4,220.69	4,169.64	51.05	82.676		
6,000.00	5,300.45	4,519.06	4,370.28	51.30	24.36	26.84	1,568.19	6,202.67	4,188.26	4,136.01	52.25	80.154		
6,100.00	5,383.27	4,601.94	4,449.98	52.45	24.85	26.93	1,584.94	6,217.97	4,155.76	4,102.38	53.38	77.850		
6,200.00	5,466.08	4,687.96	4,687.30	53.59	26.24	27.19	1,634.86	6,259.27	4,121.67	4,066.66	55.01	74.931		
6,300.00	5,548.90	4,957.26	4,793.30	54.73	26.82	27.33	1,656.15	6,275.33	4,085.50	4,029.30	56.20	72.696		
6,400.00	5,631.71	5,228.25	5,057.75	55.87	28.18	27.74	1,703.77	6,309.93	4,047.53	3,989.80	57.74	70.105		
6,500.00	5,714.52	5,316.48	5,144.78	57.02	28.57	27.95	1,714.46	6,319.69	4,007.38	3,948.51	58.86	68.081		
6,600.00	5,797.34	5,944.27	5,769.80	58.16	30.59	30.27	1,746.10	6,353.12	3,963.37	3,903.07	60.30	65.723		
6,700.00	5,880.15	6,040.89	5,866.41	59.30	30.80	30.73	1,746.50	6,351.57	3,911.59	3,850.22	61.37	63.736		
6,800.00	5,962.96	6,132.69	5,958.19	60.45	31.00	31.18	1,746.92	6,349.79	3,859.68	3,797.23	62.46	61.797		
6,900.00	6,045.78	6,214.71	6,040.20	61.59	31.19	31.59	1,747.28	6,348.11	3,807.84	3,744.28	63.57	59.904		
7,000.00	6,128.59	6,292.52	6,117.99	62.73	31.36	31.99	1,747.52	6,346.57	3,756.21	3,691.52	64.70	58.059		
7,100.00	6,211.41	6,384.08	6,209.52	63.88	31.56	32.48	1,747.35	6,344.73	3,704.70	3,638.87	65.83	56.273		
7,200.00	6,294.22	6,458.20	6,283.63	65.02	31.72	32.90	1,746.74	6,343.21	3,653.32	3,586.31	67.01	54.519		
7,300.00	6,377.03	6,523.96	6,349.38	66.17	31.87	33.28	1,746.17	6,342.07	3,602.39	3,534.18	68.22	52.808		
7,400.00	6,459.85	6,589.05	6,414.46	67.31	32.02	33.65	1,746.10	6,341.27	3,552.10	3,482.65	69.44	51.153		
7,500.00	6,542.66	6,674.49	6,499.89	68.46	32.22	34.15	1,746.40	6,340.35	3,502.13	3,431.46	70.67	49.556		
7,600.00	6,625.48	6,745.36	6,570.76	69.60	32.40	34.57	1,746.75	6,339.66	3,452.48	3,380.54	71.94	47.993		
7,700.00	6,708.29	6,817.93	6,643.32	70.75	32.58	35.01	1,747.06	6,339.20	3,403.30	3,330.08	73.23	46.477		
7,800.00	6,791.10	6,891.78	6,717.18	71.89	32.76	35.47	1,747.14	6,338.93	3,354.58	3,280.04	74.54	45.005		
7,900.00	6,873.92	6,967.27	6,792.67	73.04	32.94	35.96	1,746.96	6,338.83	3,306.30	3,230.43	75.87	43.576		
8,000.00	6,956.73	7,046.03	6,871.43	74.18	33.13	36.48	1,746.54	6,338.86	3,258.41	3,181.18	77.23	42.188		
8,100.00	7,039.54	7,125.85	6,951.24	75.33	33.32	37.04	1,745.82	6,338.96	3,210.88	3,132.26	78.62	40.838		
8,165.32	7,093.63	7,176.95	7,002.34	76.08	33.44	37.40	1,745.20	6,339.06	3,180.04	3,100.49	79.55	39.976		
8,200.00	7,122.60	7,204.13	7,029.51	76.47	33.51	30.92	1,744.85	6,339.14	3,163.56	3,083.54	80.02	39.536		
8,250.00	7,165.05	7,245.75	7,071.14	77.01	33.61	20.73	1,744.30	6,339.28	3,139.34	3,058.75	80.59	38.955		
8,300.00	7,208.03	7,293.16	7,118.54	77.52	33.72	9.76	1,743.71	6,339.40	3,114.65	3,033.62	81.03	38.438		
8,350.00	7,251.22	7,340.79	7,166.16	77.99	33.84	-1.65	1,743.20	6,339.46	3,089.60	3,008.27	81.33	37.987		
8,400.00	7,294.28	7,383.00	7,208.38	78.41	33.94	-13.00	1,742.70	6,339.49	3,064.44	2,982.94	81.50	37.598		
8,450.00	7,336.90	7,425.96	7,251.33	78.78	34.04	-23.88	1,742.12	6,339.52	3,039.37	2,957.84	81.53	37.277		
8,500.00	7,378.73	7,464.57	7,289.94	79.10	34.14	-33.95	1,741.54	6,339.57	3,014.65	2,933.22	81.43	37.022		
8,550.00	7,419.47	7,502.72	7,328.08	79.37	34.23	-43.07	1,740.88	6,339.65	2,990.51	2,909.33	81.19	36.835		
8,600.00	7,458.81	7,538.96	7,364.31	79.59	34.32	-51.20	1,740.19	6,339.76	2,967.22	2,886.41	80.82	36.716		
8,650.00	7,496.44	7,573.39	7,398.73	79.76	34.40	-58.36	1,739.55	6,339.91	2,945.03	2,864.71	80.32	36.666 SF		
8,700.00	7,532.08	7,606.11	7,431.45	79.88	34.48	-64.63	1,738.95	6,340.09	2,924.20	2,844.49	79.71	36.686		
8,750.00	7,565.46	7,638.05	7,463.39	79.95	34.56	-70.08	1,738.38	6,340.30	2,904.98	2,825.99	79.00	36.774		
8,800.00	7,596.33	7,667.76	7,493.09	79.98	34.63	-74.77	1,737.85	6,340.52	2,887.63	2,809.43	78.19	36.929		
8,850.00	7,624.44	7,694.92	7,520.25	79.97	34.70	-78.75	1,737.38	6,340.73	2,872.38	2,795.06	77.32	37.150		
8,900.00	7,649.59	7,716.70	7,542.02	79.93	34.76	-82.03	1,737.00	6,340.93	2,859.48	2,783.08	76.40	37.429		
8,950.00	7,671.59	7,734.92	7,560.23	79.84	34.80	-84.67	1,736.70	6,341.12	2,849.15	2,773.71	75.44	37.765		
9,000.00	7,690.26	7,750.49	7,575.81	79.73	34.84	-86.73	1,736.44	6,341.30	2,841.57	2,767.09	74.48	38.154		
9,050.00	7,705.47	7,763.31	7,588.62	79.59	34.88	-88.23	1,736.23	6,341.47	2,836.87	2,763.35	73.52	38.588		
9,100.00	7,717.09	7,773.26	7,598.57	79.43	34.90	-89.20	1,736.07	6,341.61	2,835.14	2,762.55	72.58	39.060 ES		
9,103.57	7,717.78	7,773.86	7,599.17	79.42	34.90	-89.25	1,736.06	6,341.62	2,835.13	2,762.61	72.52	39.094 CC		
9,150.00	7,725.04	7,780.27	7,605.58	79.26	34.92	-89.64	1,735.96	6,341.72	2,836.44	2,764.75	71.70	39.561		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,784.29	7,609.59	79.06	34.93	-89.55	1,735.90	6,341.78	2,840.80	2,769.93	70.87	40.085		
9,231.13	7,730.00	7,785.26	7,610.57	78.93	34.93	-89.24	1,735.89	6,341.79	2,845.03	2,774.64	70.39	40.418		
9,300.00	7,730.00	7,786.11	7,611.42	78.65	34.93	-89.25	1,735.87	6,341.81	2,856.50	2,787.05	69.45	41.133		
9,400.00	7,730.00	7,787.35	7,612.65	78.26	34.94	-89.28	1,735.85	6,341.83	2,876.01	2,807.63	68.38	42.061		
9,500.00	7,730.00	7,788.58	7,613.88	77.89	34.94	-89.30	1,735.83	6,341.85	2,898.83	2,831.15	67.68	42.831		
9,600.00	7,730.00	7,789.80	7,615.11	77.53	34.94	-89.33	1,735.81	6,341.87	2,924.90	2,857.54	67.36	43.424		
9,700.00	7,730.00	7,791.03	7,616.33	77.19	34.95	-89.35	1,735.80	6,341.89	2,954.12	2,886.73	67.39	43.835		
9,800.00	7,730.00	7,792.25	7,617.55	76.88	34.95	-89.38	1,735.78	6,341.91	2,986.41	2,918.65	67.76	44.074		
9,900.00	7,730.00	7,796.00	7,621.30	76.58	34.96	-89.46	1,735.72	6,341.97	3,021.66	2,953.25	68.41	44.172		
10,000.00	7,730.00	7,796.00	7,621.30	76.30	34.96	-89.46	1,735.72	6,341.97	3,059.77	2,990.45	69.33	44.134		
10,100.00	7,730.00	7,796.00	7,621.30	76.04	34.96	-89.46	1,735.72	6,341.97	3,100.65	3,030.18	70.46	44.004		
10,200.00	7,730.00	7,797.58	7,622.88	75.79	34.96	-89.49	1,735.69	6,341.99	3,144.17	3,072.41	71.76	43.817		
10,300.00	7,730.00	7,799.36	7,624.66	75.57	34.97	-89.52	1,735.67	6,342.02	3,190.23	3,117.05	73.18	43.593		
10,400.00	7,730.00	7,801.17	7,626.47	75.36	34.97	-89.56	1,735.64	6,342.05	3,238.73	3,164.02	74.70	43.355		
10,500.00	7,730.00	7,803.00	7,628.30	75.18	34.98	-89.60	1,735.61	6,342.08	3,289.55	3,213.25	76.29	43.117		
10,600.00	7,730.00	7,804.86	7,630.16	75.01	34.98	-89.64	1,735.58	6,342.12	3,342.59	3,264.66	77.93	42.894		
10,700.00	7,730.00	7,806.75	7,632.05	74.86	34.99	-89.67	1,735.55	6,342.15	3,397.74	3,318.16	79.58	42.693		
10,800.00	7,730.00	7,808.67	7,633.97	74.74	34.99	-89.71	1,735.52	6,342.18	3,454.91	3,373.66	81.25	42.522		
10,900.00	7,730.00	7,810.61	7,635.91	74.64	35.00	-89.75	1,735.49	6,342.21	3,513.99	3,431.08	82.91	42.384		
11,000.00	7,730.00	7,812.59	7,637.89	74.56	35.00	-89.79	1,735.45	6,342.24	3,574.89	3,490.34	84.55	42.281		
11,100.00	7,730.00	7,814.59	7,639.89	74.51	35.01	-89.83	1,735.42	6,342.28	3,637.53	3,551.36	86.17	42.213		
11,200.00	7,730.00	7,816.63	7,641.92	74.48	35.01	-89.88	1,735.39	6,342.31	3,701.80	3,614.04	87.76	42.182		
11,300.00	7,730.00	7,818.69	7,643.99	74.48	35.02	-89.92	1,735.35	6,342.34	3,767.63	3,678.32	89.31	42.186		
11,400.00	7,730.00	7,820.79	7,646.09	74.50	35.02	-89.96	1,735.32	6,342.38	3,834.94	3,744.12	90.82	42.225		
11,500.00	7,730.00	7,822.92	7,648.22	74.56	35.03	-90.00	1,735.28	6,342.41	3,903.65	3,811.35	92.29	42.296		
11,600.00	7,730.00	7,825.09	7,650.38	74.66	35.03	-90.05	1,735.24	6,342.45	3,973.68	3,879.96	93.72	42.399		
11,700.00	7,730.00	7,827.29	7,652.58	74.79	35.04	-90.09	1,735.21	6,342.48	4,044.98	3,949.87	95.11	42.531		
11,800.00	7,730.00	7,829.52	7,654.82	74.96	35.05	-90.14	1,735.17	6,342.52	4,117.47	4,021.02	96.45	42.692		
11,900.00	7,730.00	7,831.80	7,657.09	75.17	35.05	-90.19	1,735.13	6,342.56	4,191.09	4,093.34	97.74	42.879		
12,000.00	7,730.00	7,834.11	7,659.40	75.43	35.06	-90.23	1,735.09	6,342.59	4,265.78	4,166.79	98.99	43.092		
12,100.00	7,730.00	7,836.45	7,661.75	75.73	35.06	-90.28	1,735.04	6,342.63	4,341.49	4,241.29	100.20	43.328		
12,200.00	7,730.00	7,838.84	7,664.13	76.09	35.07	-90.33	1,735.00	6,342.67	4,418.16	4,316.80	101.37	43.586		
12,300.00	7,730.00	7,841.27	7,666.56	76.51	35.08	-90.38	1,734.96	6,342.71	4,495.75	4,393.26	102.49	43.865		
12,400.00	7,730.00	7,843.73	7,669.02	76.97	35.08	-90.43	1,734.91	6,342.75	4,574.21	4,470.64	103.58	44.163		
12,500.00	7,730.00	7,846.24	7,671.53	77.50	35.09	-90.48	1,734.87	6,342.79	4,653.50	4,548.88	104.62	44.479		
12,600.00	7,730.00	7,848.80	7,674.09	78.09	35.10	-90.53	1,734.82	6,342.83	4,733.57	4,627.94	105.63	44.813		
12,700.00	7,730.00	7,851.39	7,676.68	78.74	35.10	-90.58	1,734.77	6,342.87	4,814.38	4,707.78	106.60	45.162		
12,800.00	7,730.00	7,854.04	7,679.32	79.45	35.11	-90.64	1,734.72	6,342.91	4,895.90	4,788.37	107.54	45.527		
12,900.00	7,730.00	7,856.72	7,682.01	80.22	35.12	-90.69	1,734.67	6,342.95	4,978.10	4,869.66	108.44	45.906		
13,000.00	7,730.00	7,859.46	7,684.75	81.05	35.12	-90.75	1,734.62	6,343.00	5,060.93	4,951.62	109.31	46.298		
13,100.00	7,730.00	7,862.25	7,687.53	81.94	35.13	-90.81	1,734.56	6,343.04	5,144.37	5,034.22	110.15	46.703		
13,200.00	7,730.00	7,865.08	7,690.37	82.87	35.14	-90.86	1,734.51	6,343.09	5,228.40	5,117.44	110.96	47.120		
13,300.00	7,730.00	7,867.97	7,693.26	83.86	35.15	-90.92	1,734.45	6,343.13	5,312.97	5,201.23	111.74	47.547		
13,400.00	7,730.00	7,870.92	7,696.20	84.90	35.15	-90.98	1,734.39	6,343.18	5,398.07	5,285.58	112.49	47.986		
13,500.00	7,730.00	7,873.91	7,699.19	85.97	35.16	-91.04	1,734.33	6,343.22	5,483.68	5,370.46	113.22	48.433		
13,600.00	7,730.00	7,876.97	7,702.25	87.09	35.17	-91.11	1,734.27	6,343.27	5,569.76	5,455.84	113.92	48.891		
13,700.00	7,730.00	7,880.08	7,705.36	88.25	35.18	-91.17	1,734.20	6,343.32	5,656.30	5,541.70	114.60	49.356		
13,800.00	7,730.00	7,883.25	7,708.53	89.44	35.18	-91.23	1,734.14	6,343.37	5,743.27	5,628.02	115.26	49.831		
13,900.00	7,730.00	7,886.48	7,711.76	90.66	35.19	-91.30	1,734.07	6,343.42	5,830.67	5,714.78	115.89	50.313		
14,000.00	7,730.00	7,889.78	7,715.05	91.92	35.20	-91.37	1,734.00	6,343.47	5,918.45	5,801.95	116.50	50.802		
14,100.00	7,730.00	7,893.14	7,718.41	93.20	35.21	-91.43	1,733.93	6,343.52	6,006.63	5,889.53	117.09	51.298		
14,200.00	7,730.00	7,896.57	7,721.84	94.50	35.22	-91.50	1,733.85	6,343.57	6,095.16	5,977.49	117.66	51.801		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 8-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,900.06	7,725.34	95.83	35.23	-91.58	1,733.78	6,343.63	6,184.04	6,065.82	118.22	52.310		
14,400.00	7,730.00	7,903.63	7,728.90	97.17	35.24	-91.65	1,733.70	6,343.68	6,273.26	6,154.50	118.75	52.825		
14,500.00	7,730.00	7,907.27	7,732.54	98.54	35.25	-91.72	1,733.62	6,343.73	6,362.79	6,243.52	119.27	53.346		
14,600.00	7,730.00	7,899.68	7,724.95	99.92	35.23	-91.57	1,733.79	6,343.62	6,452.65	6,332.87	119.78	53.871		
14,700.00	7,730.00	7,901.36	7,726.63	101.32	35.23	-91.60	1,733.76	6,343.65	6,542.79	6,422.52	120.27	54.403		
14,800.00	7,730.00	7,903.03	7,728.30	102.74	35.24	-91.64	1,733.72	6,343.67	6,633.21	6,512.47	120.74	54.939		
14,900.00	7,730.00	7,904.69	7,729.96	104.17	35.24	-91.67	1,733.69	6,343.70	6,723.90	6,602.70	121.20	55.479		
15,000.00	7,730.00	7,906.34	7,731.61	105.62	35.24	-91.70	1,733.65	6,343.72	6,814.85	6,693.21	121.64	56.024		
15,100.00	7,730.00	7,907.98	7,733.25	107.07	35.25	-91.74	1,733.62	6,343.75	6,906.05	6,783.98	122.07	56.573		
15,200.00	7,730.00	7,909.62	7,734.89	108.54	35.25	-91.77	1,733.59	6,343.78	6,997.50	6,875.00	122.49	57.127		
15,300.00	7,730.00	7,911.24	7,736.51	110.02	35.26	-91.80	1,733.55	6,343.80	7,089.17	6,966.27	122.90	57.684		
15,400.00	7,730.00	7,912.86	7,738.13	111.51	35.26	-91.84	1,733.52	6,343.83	7,181.06	7,057.77	123.29	58.244		
15,500.00	7,730.00	7,914.46	7,739.73	113.01	35.27	-91.87	1,733.49	6,343.85	7,273.17	7,149.49	123.68	58.808		
15,600.00	7,730.00	7,916.06	7,741.33	114.52	35.27	-91.90	1,733.45	6,343.88	7,365.48	7,241.43	124.05	59.375		
15,700.00	7,730.00	7,917.65	7,742.92	116.04	35.27	-91.93	1,733.42	6,343.90	7,457.99	7,333.58	124.41	59.946		
15,800.00	7,730.00	7,919.23	7,744.50	117.56	35.28	-91.96	1,733.39	6,343.93	7,550.70	7,425.93	124.77	60.519		
15,900.00	7,730.00	7,920.81	7,746.07	119.09	35.28	-92.00	1,733.36	6,343.95	7,643.58	7,518.47	125.11	61.095		
16,000.00	7,730.00	7,922.37	7,747.63	120.63	35.29	-92.03	1,733.33	6,343.98	7,736.64	7,611.20	125.44	61.674		
16,100.00	7,730.00	7,923.92	7,749.19	122.18	35.29	-92.06	1,733.30	6,344.00	7,829.88	7,704.11	125.77	62.256		
16,200.00	7,730.00	7,925.47	7,750.74	123.73	35.29	-92.09	1,733.27	6,344.03	7,923.27	7,797.19	126.09	62.840		
16,300.00	7,730.00	7,927.01	7,752.27	125.29	35.30	-92.12	1,733.23	6,344.05	8,016.83	7,890.43	126.40	63.426		
16,400.00	7,730.00	7,928.54	7,753.81	126.86	35.30	-92.15	1,733.20	6,344.07	8,110.54	7,983.84	126.70	64.015		
16,500.00	7,730.00	7,930.07	7,755.33	128.43	35.31	-92.19	1,733.17	6,344.10	8,204.40	8,077.40	126.99	64.606		
16,600.00	7,730.00	7,931.58	7,756.84	130.01	35.31	-92.22	1,733.14	6,344.12	8,298.40	8,171.12	127.28	65.199		
16,700.00	7,730.00	7,933.09	7,758.35	131.59	35.31	-92.25	1,733.11	6,344.15	8,392.54	8,264.98	127.56	65.794		
16,800.00	7,730.00	7,934.59	7,759.85	133.18	35.32	-92.28	1,733.09	6,344.17	8,486.81	8,358.98	127.83	66.390		
16,900.00	7,730.00	7,936.08	7,761.34	134.77	35.32	-92.31	1,733.06	6,344.19	8,581.21	8,453.11	128.10	66.989		
17,000.00	7,730.00	7,937.56	7,762.82	136.37	35.32	-92.34	1,733.03	6,344.22	8,675.74	8,547.38	128.36	67.589		
17,100.00	7,730.00	7,939.04	7,764.30	137.97	35.33	-92.37	1,733.00	6,344.24	8,770.39	8,641.77	128.61	68.191		
17,200.00	7,730.00	7,940.51	7,765.76	139.57	35.33	-92.40	1,732.97	6,344.26	8,865.15	8,736.29	128.86	68.795		
17,300.00	7,730.00	7,941.97	7,767.22	141.18	35.34	-92.43	1,732.94	6,344.29	8,960.03	8,830.92	129.11	69.400		
17,400.00	7,730.00	7,943.42	7,768.68	142.79	35.34	-92.46	1,732.91	6,344.31	9,055.02	8,925.67	129.35	70.006		
17,500.00	7,730.00	7,944.86	7,770.12	144.41	35.34	-92.49	1,732.89	6,344.33	9,150.12	9,020.54	129.58	70.614		
17,600.00	7,730.00	7,946.30	7,771.56	146.03	35.35	-92.52	1,732.86	6,344.36	9,245.31	9,115.51	129.81	71.224		
17,700.00	7,730.00	7,947.73	7,772.99	147.65	35.35	-92.54	1,732.83	6,344.38	9,340.61	9,210.58	130.03	71.834		
17,800.00	7,730.00	7,949.16	7,774.41	149.28	35.35	-92.57	1,732.80	6,344.40	9,436.01	9,305.76	130.25	72.446		
17,900.00	7,730.00	7,950.57	7,775.83	150.91	35.36	-92.60	1,732.78	6,344.43	9,531.50	9,401.04	130.46	73.059		
18,000.00	7,730.00	7,951.98	7,777.24	152.54	35.36	-92.63	1,732.75	6,344.45	9,627.08	9,496.41	130.67	73.673		
18,100.00	7,730.00	7,953.38	7,778.64	154.18	35.37	-92.66	1,732.72	6,344.47	9,722.75	9,591.87	130.88	74.288		
18,200.00	7,730.00	7,954.78	7,780.03	155.82	35.37	-92.69	1,732.70	6,344.49	9,818.50	9,687.42	131.08	74.904		
18,300.00	7,730.00	7,956.17	7,781.42	157.46	35.37	-92.72	1,732.67	6,344.52	9,914.34	9,783.07	131.28	75.521		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 8-2-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 47-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	81.97	765.23	5,420.96	5,475.31					
100.00	100.00	38.47	38.47	0.13	0.05	81.96	765.27	5,420.89	5,474.67	5,474.49	0.18	N/A		
200.00	200.00	138.00	138.00	0.49	0.39	81.96	765.42	5,420.32	5,474.13	5,473.25	0.88	6,222.130		
268.13	268.13	187.13	187.13	0.74	0.56	81.96	765.17	5,420.19	5,473.93	5,472.64	1.29	4,228.594		
300.00	300.00	205.27	205.27	0.85	0.62	81.97	764.93	5,420.25	5,473.97	5,472.50	1.47	3,719.449		
400.00	400.00	229.00	228.99	1.21	0.70	81.97	764.50	5,420.41	5,474.79	5,472.88	1.91	2,860.669		
500.00	500.00	274.67	274.63	1.57	0.86	81.99	763.35	5,421.31	5,476.69	5,474.26	2.43	2,251.836		
600.00	600.00	320.00	319.90	1.93	1.02	82.00	761.84	5,423.20	5,480.06	5,477.12	2.95	1,859.669		
700.00	700.00	320.00	319.90	2.29	1.02	82.00	761.84	5,423.20	5,484.61	5,481.30	3.31	1,658.899		
800.00	800.00	369.00	368.76	2.64	1.20	82.03	759.70	5,426.23	5,490.33	5,486.49	3.84	1,430.062		
900.00	899.98	411.00	410.56	3.00	1.36	22.43	757.38	5,429.56	5,495.71	5,491.37	4.34	1,266.447		
1,000.00	999.84	441.06	440.43	3.35	1.47	22.44	755.45	5,432.33	5,499.01	5,494.21	4.80	1,146.125		
1,100.00	1,099.45	502.00	500.85	3.71	1.70	22.51	750.87	5,438.83	5,500.33	5,494.96	5.38	1,023.293		
1,200.00	1,198.70	502.00	500.85	4.08	1.70	22.52	750.87	5,438.83	5,499.38	5,493.66	5.72	960.723		
1,300.00	1,297.47	547.21	545.55	4.47	1.89	22.61	747.17	5,444.47	5,496.45	5,490.19	6.25	878.850		
1,400.00	1,395.62	593.00	590.73	4.87	2.08	22.73	743.51	5,450.98	5,491.65	5,484.86	6.79	808.572		
1,500.00	1,493.06	593.00	590.73	5.31	2.08	22.79	743.51	5,450.98	5,484.86	5,477.70	7.15	766.622		
1,600.00	1,589.64	644.86	641.75	5.77	2.31	22.96	739.34	5,459.27	5,475.95	5,468.21	7.74	707.845		
1,700.00	1,685.27	684.00	680.14	6.28	2.48	23.14	736.12	5,466.16	5,465.17	5,456.89	8.28	660.385		
1,800.00	1,779.82	718.63	714.06	6.83	2.64	23.32	733.43	5,472.62	5,452.34	5,443.53	8.81	618.906		
1,900.00	1,873.17	776.00	770.21	7.43	2.91	23.59	729.86	5,483.83	5,437.45	5,428.00	9.45	575.342		
2,000.00	1,965.21	808.69	802.16	8.08	3.07	23.81	728.10	5,490.50	5,420.31	5,410.31	10.01	541.665		
2,100.00	2,055.84	870.00	861.98	8.79	3.36	24.14	724.58	5,503.48	5,401.02	5,390.32	10.70	504.895		
2,200.00	2,144.94	931.58	921.98	9.56	3.67	24.50	721.09	5,516.88	5,379.30	5,367.88	11.41	471.251		
2,300.00	2,232.39	1,024.81	1,012.83	10.39	4.14	25.00	716.49	5,537.27	5,354.84	5,342.56	12.28	436.128		
2,400.00	2,318.11	1,122.51	1,108.12	11.30	4.63	25.56	712.24	5,558.47	5,327.35	5,314.16	13.19	403.946		
2,504.60	2,405.78	1,215.87	1,199.17	12.31	5.10	26.17	708.12	5,578.69	5,295.49	5,281.36	14.13	374.718		
2,600.00	2,484.79	1,282.96	1,264.52	13.28	5.45	26.42	704.34	5,593.38	5,265.24	5,250.30	14.94	352.380		
2,700.00	2,567.60	1,345.74	1,325.55	14.32	5.79	26.66	700.06	5,607.48	5,234.16	5,218.38	15.78	331.745		
2,800.00	2,650.41	1,427.70	1,405.12	15.37	6.23	26.99	694.07	5,626.16	5,203.56	5,186.84	16.72	311.263		
2,900.00	2,733.23	1,488.62	1,464.23	16.44	6.56	27.23	689.68	5,640.24	5,173.47	5,155.89	17.58	294.252		
3,000.00	2,816.04	1,548.37	1,522.14	17.52	6.89	27.47	685.54	5,654.38	5,144.10	5,125.65	18.46	278.725		
3,100.00	2,898.85	1,608.20	1,580.02	18.60	7.22	27.72	681.28	5,668.88	5,115.47	5,096.13	19.34	264.439		
3,200.00	2,981.67	1,754.85	1,722.05	19.69	8.04	28.32	671.05	5,703.93	5,086.70	5,066.07	20.63	246.576		
3,300.00	3,064.48	1,840.47	1,805.09	20.79	8.51	28.67	665.42	5,724.01	5,057.80	5,036.14	21.66	233.560		
3,400.00	3,147.30	1,942.88	1,904.44	21.90	9.07	29.08	659.21	5,748.07	5,029.17	5,006.41	22.76	220.933		
3,500.00	3,230.11	2,051.37	2,009.90	23.00	9.66	29.52	653.83	5,772.96	5,000.23	4,976.32	23.90	209.194		
3,600.00	3,312.92	2,144.37	2,100.33	24.12	10.16	29.89	649.49	5,794.23	4,971.45	4,946.46	24.99	198.976		
3,700.00	3,395.74	2,229.58	2,183.17	25.23	10.63	30.24	644.88	5,813.68	4,942.83	4,916.78	26.05	189.736		
3,800.00	3,478.55	2,321.97	2,272.85	26.35	11.14	30.65	638.39	5,834.90	4,914.59	4,887.42	27.17	180.905		
3,900.00	3,561.36	2,441.00	2,388.50	27.47	11.79	31.17	630.04	5,861.78	4,886.24	4,857.82	28.41	171.980		
4,000.00	3,644.18	2,502.70	2,448.47	28.59	12.13	31.45	625.53	5,875.60	4,858.00	4,828.58	29.42	165.137		
4,100.00	3,726.99	2,555.00	2,499.20	29.72	12.41	31.69	621.76	5,887.75	4,830.73	4,800.34	30.39	158.943		
4,200.00	3,809.81	2,635.00	2,771.74	30.85	13.92	32.93	605.11	5,949.63	4,803.47	4,771.12	32.35	148.494		
4,300.00	3,892.62	2,868.85	2,804.83	31.98	14.10	33.08	603.18	5,956.48	4,773.96	4,740.69	33.27	143.493		
4,400.00	3,975.43	2,899.68	2,834.88	33.11	14.26	33.23	601.14	5,963.09	4,745.80	4,711.61	34.19	138.823		
4,500.00	4,058.25	2,935.44	2,869.60	34.24	14.45	33.40	598.46	5,971.19	4,719.00	4,683.87	35.13	134.326		
4,600.00	4,141.06	3,027.01	2,958.48	35.37	14.96	33.82	592.48	5,992.39	4,692.94	4,656.60	36.33	129.159		
4,700.00	4,223.87	3,132.51	3,060.99	36.50	15.54	34.30	586.87	6,016.69	4,666.96	4,629.36	37.60	124.112		
4,800.00	4,306.69	3,232.01	3,157.68	37.64	16.08	34.77	580.91	6,039.41	4,641.11	4,602.25	38.86	119.431		
4,900.00	4,389.50	3,342.04	3,264.77	38.77	16.68	35.29	574.61	6,063.86	4,614.91	4,574.74	40.17	114.874		
5,000.00	4,472.32	3,410.02	3,330.92	39.91	17.04	35.61	571.26	6,079.17	4,589.23	4,547.92	41.31	111.091		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 47-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	3,477.89	3,396.88	41.05	17.41	35.93	567.53	6,094.74	4,564.25	4,521.79	42.46	107.495		
5,200.00	4,637.94	3,557.57	3,474.19	42.18	17.86	36.33	562.11	6,113.20	4,539.90	4,496.22	43.68	103.931		
5,300.00	4,720.76	3,698.56	3,611.09	43.32	18.63	37.05	551.60	6,145.27	4,515.61	4,470.40	45.20	99.893		
5,400.00	4,803.57	3,853.84	3,762.41	44.46	19.46	37.83	541.69	6,178.63	4,490.31	4,443.52	46.79	95.974		
5,500.00	4,886.39	3,948.64	3,855.02	45.60	19.95	38.30	537.15	6,198.40	4,464.53	4,416.43	48.10	92.818		
5,600.00	4,969.20	4,021.44	3,926.11	46.74	20.33	38.66	534.19	6,213.75	4,439.19	4,389.86	49.33	89.994		
5,700.00	5,052.01	4,092.32	3,995.26	47.88	20.70	39.02	530.62	6,228.92	4,414.53	4,363.97	50.56	87.307		
5,800.00	5,134.83	5,172.08	5,064.83	49.02	24.94	44.81	500.93	6,350.32	4,386.33	4,331.57	54.76	80.097		
5,900.00	5,217.64	5,259.60	5,152.34	50.16	25.15	45.31	501.43	6,350.12	4,342.88	4,286.87	56.01	77.539		
6,000.00	5,300.45	5,345.83	5,238.57	51.30	25.36	45.81	501.97	6,349.86	4,299.66	4,242.39	57.27	75.076		
6,100.00	5,383.27	5,446.43	5,339.16	52.45	25.61	46.40	503.04	6,349.41	4,256.56	4,197.99	58.56	72.686		
6,200.00	5,466.08	5,533.12	5,425.85	53.59	25.81	46.91	504.07	6,348.78	4,213.49	4,153.64	59.85	70.396		
6,300.00	5,548.90	5,618.24	5,510.96	54.73	26.02	47.43	505.04	6,348.10	4,170.70	4,109.54	61.16	68.190		
6,400.00	5,631.71	5,710.21	5,602.92	55.87	26.24	48.00	505.95	6,347.23	4,128.13	4,065.64	62.50	66.054		
6,500.00	5,714.52	5,806.62	5,699.32	57.02	26.47	48.62	506.59	6,345.96	4,085.65	4,021.80	63.85	63.987		
6,600.00	5,797.34	5,904.39	5,797.07	58.16	26.71	49.26	507.28	6,344.31	4,043.22	3,977.99	65.22	61.989		
6,700.00	5,880.15	5,995.31	5,887.97	59.30	26.93	49.87	507.88	6,342.46	4,000.88	3,934.27	66.61	60.062		
6,800.00	5,962.96	6,074.87	5,967.51	60.45	27.12	50.41	508.36	6,340.76	3,958.84	3,890.83	68.01	58.207		
6,900.00	6,045.78	6,150.90	6,043.53	61.59	27.30	50.94	508.83	6,339.24	3,917.30	3,847.87	69.43	56.419		
7,000.00	6,128.59	6,229.36	6,121.97	62.73	27.50	51.49	509.06	6,337.73	3,876.29	3,805.41	70.87	54.692		
7,100.00	6,211.41	6,310.70	6,203.29	63.88	27.70	52.08	509.07	6,336.08	3,835.67	3,763.33	72.34	53.021		
7,200.00	6,294.22	6,371.69	6,264.28	65.02	27.85	52.53	508.93	6,335.01	3,795.77	3,721.95	73.82	51.420		
7,300.00	6,377.03	6,424.21	6,316.79	66.17	27.99	52.92	508.71	6,334.38	3,756.82	3,681.51	75.31	49.884		
7,400.00	6,459.85	6,472.22	6,364.80	67.31	28.12	53.28	508.52	6,334.28	3,719.08	3,642.27	76.82	48.415		
7,500.00	6,542.66	6,522.36	6,414.93	68.46	28.26	53.66	508.32	6,334.66	3,682.57	3,604.23	78.34	47.006		
7,600.00	6,625.48	6,581.00	6,473.57	69.60	28.44	54.10	507.97	6,335.64	3,647.29	3,567.39	79.90	45.649		
7,700.00	6,708.29	6,707.42	6,599.97	70.75	28.81	55.08	507.21	6,337.18	3,612.20	3,530.63	81.57	44.283		
7,800.00	6,791.10	6,799.21	6,691.76	71.89	29.08	55.80	506.73	6,337.64	3,577.04	3,493.83	83.21	42.988		
7,900.00	6,873.92	6,889.90	6,782.45	73.04	29.34	56.54	506.13	6,337.77	3,542.17	3,457.30	84.87	41.738		
8,000.00	6,956.73	6,969.63	6,862.18	74.18	29.56	57.19	505.57	6,337.81	3,507.80	3,421.27	86.53	40.539		
8,100.00	7,039.54	7,037.29	6,929.84	75.33	29.76	57.76	504.96	6,338.01	3,474.25	3,386.05	88.20	39.392		
8,165.32	7,093.63	7,091.58	6,984.12	76.08	29.91	58.22	504.38	6,338.27	3,452.79	3,363.48	89.31	38.660		
8,200.00	7,122.80	7,122.82	7,015.36	76.47	30.01	58.58	504.06	6,338.41	3,440.96	3,351.07	89.89	38.280		
8,250.00	7,165.05	7,165.63	7,058.17	77.01	30.13	43.48	503.63	6,338.57	3,422.18	3,331.55	90.64	37.757		
8,300.00	7,208.03	7,206.63	7,099.17	77.52	30.25	33.45	503.20	6,338.73	3,401.52	3,310.23	91.28	37.263		
8,350.00	7,251.22	7,250.19	7,142.72	77.99	30.38	22.85	502.71	6,338.91	3,379.07	3,287.24	91.83	36.798		
8,400.00	7,294.28	7,299.25	7,191.78	78.41	30.52	12.11	502.09	6,339.03	3,354.90	3,262.63	92.27	36.361		
8,450.00	7,336.90	7,345.64	7,238.16	78.78	30.65	1.56	501.46	6,339.03	3,329.14	3,236.56	92.59	35.958		
8,500.00	7,378.73	7,387.63	7,280.15	79.10	30.78	-8.53	500.91	6,339.03	3,302.05	3,209.27	92.78	35.590		
8,550.00	7,419.47	7,428.57	7,321.09	79.37	30.89	-18.03	500.39	6,339.04	3,273.84	3,180.99	92.85	35.258		
8,600.00	7,458.81	7,468.15	7,360.66	79.59	31.01	-26.92	499.93	6,339.06	3,244.75	3,151.95	92.80	34.963		
8,650.00	7,496.44	7,506.04	7,398.55	79.76	31.12	-35.22	499.52	6,339.10	3,215.03	3,122.40	92.64	34.706		
8,700.00	7,532.08	7,543.75	7,436.26	79.88	31.23	-42.99	499.13	6,339.14	3,184.96	3,092.61	92.35	34.488		
8,750.00	7,565.46	7,579.77	7,472.27	79.95	31.33	-50.25	498.82	6,339.17	3,154.80	3,062.85	91.95	34.310		
8,800.00	7,596.33	7,613.02	7,505.53	79.98	31.43	-56.97	498.57	6,339.19	3,124.88	3,033.44	91.44	34.174		
8,850.00	7,624.44	7,636.93	7,529.44	79.97	31.50	-63.02	498.41	6,339.23	3,095.55	3,004.73	90.82	34.084		
8,900.00	7,649.59	7,658.90	7,551.41	79.93	31.57	-68.49	498.26	6,339.29	3,067.13	2,977.03	90.10	34.040 SF		
8,950.00	7,671.59	7,678.17	7,570.68	79.84	31.63	-73.35	498.14	6,339.36	3,039.96	2,950.66	89.30	34.042		
9,000.00	7,690.26	7,694.59	7,587.10	79.73	31.67	-77.61	498.03	6,339.45	3,014.32	2,925.90	88.42	34.092		
9,050.00	7,705.47	7,708.66	7,601.16	79.59	31.72	-81.26	497.94	6,339.53	2,990.51	2,903.05	87.46	34.191		
9,100.00	7,717.09	7,720.62	7,613.13	79.43	31.75	-84.33	497.87	6,339.60	2,968.81	2,882.35	86.46	34.339		
9,150.00	7,725.04	7,728.91	7,621.42	79.26	31.78	-86.79	497.81	6,339.65	2,949.46	2,864.06	85.40	34.536		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 8-2-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 47-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,733.46	7,625.97	79.06	31.79	-88.67	497.79	6,339.68	2,932.70	2,848.38	84.32	34.780		
9,231.13	7,730.00	7,734.39	7,626.90	78.93	31.80	-89.55	497.78	6,339.68	2,923.65	2,840.01	83.64	34.956		
9,300.00	7,730.00	7,734.82	7,627.33	78.65	31.80	-89.56	497.78	6,339.69	2,905.61	2,823.48	82.13	35.377		
9,400.00	7,730.00	7,735.45	7,627.95	78.26	31.80	-89.57	497.77	6,339.69	2,882.15	2,802.15	80.00	36.025		
9,500.00	7,730.00	7,736.07	7,628.58	77.89	31.80	-89.58	497.77	6,339.70	2,861.99	2,784.02	77.96	36.709		
9,600.00	7,730.00	7,736.70	7,629.20	77.53	31.80	-89.60	497.77	6,339.70	2,845.20	2,769.15	76.05	37.413		
9,700.00	7,730.00	7,737.33	7,629.83	77.19	31.80	-89.61	497.76	6,339.70	2,831.85	2,757.55	74.30	38.116		
9,800.00	7,730.00	7,737.95	7,630.45	76.88	31.81	-89.62	497.76	6,339.71	2,821.98	2,749.24	72.74	38.794		
9,900.00	7,730.00	7,738.58	7,631.08	76.58	31.81	-89.63	497.75	6,339.71	2,815.63	2,744.20	71.43	39.418		
10,000.00	7,730.00	7,739.20	7,631.70	76.30	31.81	-89.65	497.75	6,339.71	2,812.82	2,742.42	70.40	39.958 ES		
10,029.03	7,730.00	7,739.38	7,631.89	76.22	31.81	-89.65	497.75	6,339.72	2,812.67	2,742.51	70.16	40.090 CC		
10,100.00	7,730.00	7,739.83	7,632.33	76.04	31.81	-89.66	497.75	6,339.72	2,813.57	2,743.90	69.67	40.385		
10,200.00	7,730.00	7,740.45	7,632.96	75.79	31.81	-89.67	497.74	6,339.72	2,817.86	2,748.59	69.27	40.677		
10,300.00	7,730.00	7,741.08	7,633.58	75.57	31.82	-89.69	497.74	6,339.73	2,825.69	2,756.47	69.22	40.821		
10,400.00	7,730.00	7,741.70	7,634.21	75.36	31.82	-89.70	497.73	6,339.73	2,837.03	2,767.51	69.51	40.813		
10,500.00	7,730.00	7,742.33	7,634.83	75.18	31.82	-89.71	497.73	6,339.73	2,851.83	2,781.70	70.13	40.665		
10,600.00	7,730.00	7,742.96	7,635.46	75.01	31.82	-89.72	497.73	6,339.74	2,870.04	2,798.99	71.05	40.395		
10,700.00	7,730.00	7,743.58	7,636.08	74.86	31.82	-89.74	497.72	6,339.74	2,891.59	2,819.35	72.24	40.028		
10,800.00	7,730.00	7,744.21	7,636.71	74.74	31.83	-89.75	497.72	6,339.74	2,916.42	2,842.76	73.66	39.595		
10,900.00	7,730.00	7,744.83	7,637.33	74.64	31.83	-89.76	497.71	6,339.75	2,944.43	2,869.17	75.26	39.122		
11,000.00	7,730.00	7,745.46	7,637.96	74.56	31.83	-89.78	497.71	6,339.75	2,975.54	2,898.52	77.02	38.634		
11,100.00	7,730.00	7,746.08	7,638.59	74.51	31.83	-89.79	497.71	6,339.76	3,009.66	2,930.77	78.89	38.151		
11,200.00	7,730.00	7,746.71	7,639.21	74.48	31.83	-89.80	497.70	6,339.76	3,046.67	2,965.84	80.83	37.690		
11,300.00	7,730.00	7,747.33	7,639.84	74.48	31.83	-89.81	497.70	6,339.76	3,086.49	3,003.66	82.83	37.262		
11,400.00	7,730.00	7,747.96	7,640.46	74.50	31.84	-89.83	497.69	6,339.77	3,128.99	3,044.14	84.85	36.876		
11,500.00	7,730.00	7,748.59	7,641.09	74.56	31.84	-89.84	497.69	6,339.77	3,174.08	3,087.20	86.88	36.535		
11,600.00	7,730.00	7,749.21	7,641.71	74.66	31.84	-89.85	497.69	6,339.77	3,221.64	3,132.75	88.89	36.243		
11,700.00	7,730.00	7,749.84	7,642.34	74.79	31.84	-89.86	497.68	6,339.78	3,271.56	3,180.69	90.88	36.001		
11,800.00	7,730.00	7,750.46	7,642.96	74.96	31.84	-89.88	497.68	6,339.78	3,323.75	3,230.93	92.82	35.808		
11,900.00	7,730.00	7,751.09	7,643.59	75.17	31.85	-89.89	497.68	6,339.79	3,378.09	3,283.37	94.72	35.663		
12,000.00	7,730.00	7,751.71	7,644.22	75.43	31.85	-89.90	497.67	6,339.79	3,434.48	3,337.91	96.57	35.564		
12,100.00	7,730.00	7,752.34	7,644.84	75.73	31.85	-89.92	497.67	6,339.79	3,492.83	3,394.47	98.36	35.510		
12,200.00	7,730.00	7,752.96	7,645.47	76.09	31.85	-89.93	497.66	6,339.80	3,553.03	3,452.94	100.09	35.498		
12,300.00	7,730.00	7,753.59	7,646.09	76.51	31.85	-89.94	497.66	6,339.80	3,615.00	3,513.24	101.76	35.525		
12,400.00	7,730.00	7,754.22	7,646.72	76.97	31.86	-89.95	497.66	6,339.81	3,678.64	3,575.27	103.36	35.589		
12,500.00	7,730.00	7,754.84	7,647.34	77.50	31.86	-89.97	497.65	6,339.81	3,743.87	3,638.96	104.90	35.688		
12,600.00	7,730.00	7,755.47	7,647.97	78.09	31.86	-89.98	497.65	6,339.81	3,810.61	3,704.22	106.38	35.820		
12,700.00	7,730.00	7,756.09	7,648.59	78.74	31.86	-89.99	497.64	6,339.82	3,878.77	3,770.98	107.80	35.982		
12,800.00	7,730.00	7,756.72	7,649.22	79.45	31.86	-90.00	497.64	6,339.82	3,948.30	3,839.14	109.15	36.172		
12,900.00	7,730.00	7,757.34	7,649.84	80.22	31.87	-90.02	497.64	6,339.82	4,019.11	3,908.66	110.45	36.388		
13,000.00	7,730.00	7,757.97	7,650.47	81.05	31.87	-90.03	497.63	6,339.83	4,091.14	3,979.45	111.69	36.629		
13,100.00	7,730.00	7,758.59	7,651.10	81.94	31.87	-90.04	497.63	6,339.83	4,164.32	4,051.45	112.87	36.894		
13,200.00	7,730.00	7,759.22	7,651.72	82.87	31.87	-90.06	497.62	6,339.84	4,238.60	4,124.60	114.00	37.179		
13,300.00	7,730.00	7,759.85	7,652.35	83.86	31.87	-90.07	497.62	6,339.84	4,313.92	4,198.84	115.09	37.485		
13,400.00	7,730.00	7,760.47	7,652.97	84.90	31.87	-90.08	497.62	6,339.84	4,390.23	4,274.11	116.12	37.809		
13,500.00	7,730.00	7,761.10	7,653.60	85.97	31.88	-90.09	497.61	6,339.85	4,467.46	4,350.36	117.10	38.150		
13,600.00	7,730.00	7,761.72	7,654.22	87.09	31.88	-90.11	497.61	6,339.85	4,545.59	4,427.55	118.04	38.508		
13,700.00	7,730.00	7,762.35	7,654.85	88.25	31.88	-90.12	497.60	6,339.85	4,624.56	4,505.62	118.94	38.881		
13,800.00	7,730.00	7,762.97	7,655.47	89.44	31.88	-90.13	497.60	6,339.86	4,704.33	4,584.53	119.80	39.269		
13,900.00	7,730.00	7,763.60	7,656.10	90.66	31.88	-90.14	497.60	6,339.86	4,784.86	4,664.24	120.62	39.670		
14,000.00	7,730.00	7,764.22	7,656.73	91.92	31.89	-90.16	497.59	6,339.87	4,866.11	4,744.71	121.40	40.083		
14,100.00	7,730.00	7,764.85	7,657.35	93.20	31.89	-90.17	497.59	6,339.87	4,948.05	4,825.90	122.15	40.508		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 47-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,765.48	7,657.98	94.50	31.89	-90.18	497.58	6,339.87	5,030.64	4,907.78	122.87	40.944		
14,300.00	7,730.00	7,766.10	7,658.60	95.83	31.89	-90.20	497.58	6,339.88	5,113.86	4,990.31	123.55	41.391		
14,400.00	7,730.00	7,766.73	7,659.23	97.17	31.89	-90.21	497.58	6,339.88	5,197.66	5,073.46	124.21	41.847		
14,500.00	7,730.00	7,767.35	7,659.85	98.54	31.90	-90.22	497.57	6,339.88	5,282.03	5,157.20	124.83	42.313		
14,600.00	7,730.00	7,767.98	7,660.48	99.92	31.90	-90.23	497.57	6,339.89	5,366.94	5,241.50	125.43	42.787		
14,700.00	7,730.00	7,768.60	7,661.10	101.32	31.90	-90.25	497.57	6,339.89	5,452.36	5,326.35	126.01	43.269		
14,800.00	7,730.00	7,769.23	7,661.73	102.74	31.90	-90.26	497.56	6,339.90	5,538.26	5,411.70	126.56	43.759		
14,900.00	7,730.00	7,769.85	7,662.36	104.17	31.90	-90.27	497.56	6,339.90	5,624.63	5,497.54	127.09	44.257		
15,000.00	7,730.00	7,770.48	7,662.98	105.62	31.91	-90.28	497.55	6,339.90	5,711.45	5,583.85	127.60	44.761		
15,100.00	7,730.00	7,771.11	7,663.61	107.07	31.91	-90.30	497.55	6,339.91	5,798.69	5,670.60	128.09	45.272		
15,200.00	7,730.00	7,771.73	7,664.23	108.54	31.91	-90.31	497.55	6,339.91	5,886.34	5,757.78	128.55	45.789		
15,300.00	7,730.00	7,772.36	7,664.86	110.02	31.91	-90.32	497.54	6,339.92	5,974.37	5,845.37	129.00	46.312		
15,400.00	7,730.00	7,772.98	7,665.48	111.51	31.91	-90.34	497.54	6,339.92	6,062.78	5,933.34	129.43	46.840		
15,500.00	7,730.00	7,773.61	7,666.11	113.01	31.91	-90.35	497.53	6,339.92	6,151.54	6,021.69	129.85	47.374		
15,600.00	7,730.00	7,774.23	7,666.73	114.52	31.92	-90.36	497.53	6,339.93	6,240.64	6,110.39	130.25	47.913		
15,700.00	7,730.00	7,774.86	7,667.36	116.04	31.92	-90.37	497.53	6,339.93	6,330.06	6,199.43	130.63	48.456		
15,800.00	7,730.00	7,775.48	7,667.99	117.56	31.92	-90.39	497.52	6,339.93	6,419.80	6,288.80	131.01	49.004		
15,900.00	7,730.00	7,776.11	7,668.61	119.09	31.92	-90.40	497.52	6,339.94	6,509.84	6,378.48	131.36	49.556		
16,000.00	7,730.00	7,776.74	7,669.24	120.63	31.92	-90.41	497.51	6,339.94	6,600.16	6,468.46	131.71	50.113		
16,100.00	7,730.00	7,777.36	7,669.86	122.18	31.93	-90.42	497.51	6,339.95	6,690.76	6,558.72	132.04	50.673		
16,200.00	7,730.00	7,777.99	7,670.49	123.73	31.93	-90.44	497.51	6,339.95	6,781.62	6,649.27	132.36	51.236		
16,300.00	7,730.00	7,778.61	7,671.11	125.29	31.93	-90.45	497.50	6,339.95	6,872.74	6,740.07	132.67	51.804		
16,400.00	7,730.00	7,779.24	7,671.74	126.86	31.93	-90.46	497.50	6,339.96	6,964.10	6,831.13	132.97	52.374		
16,500.00	7,730.00	7,779.86	7,672.36	128.43	31.93	-90.48	497.49	6,339.96	7,055.70	6,922.44	133.26	52.948		
16,600.00	7,730.00	7,780.49	7,672.99	130.01	31.94	-90.49	497.49	6,339.96	7,147.52	7,013.98	133.54	53.525		
16,700.00	7,730.00	7,781.11	7,673.61	131.59	31.94	-90.50	497.49	6,339.97	7,239.55	7,105.75	133.81	54.105		
16,800.00	7,730.00	7,781.74	7,674.24	133.18	31.94	-90.51	497.48	6,339.97	7,331.80	7,197.73	134.07	54.687		
16,900.00	7,730.00	7,782.37	7,674.87	134.77	31.94	-90.53	497.48	6,339.98	7,424.25	7,289.93	134.32	55.272		
17,000.00	7,730.00	7,782.99	7,675.49	136.37	31.94	-90.54	497.47	6,339.98	7,516.89	7,382.32	134.57	55.860		
17,100.00	7,730.00	7,783.62	7,676.12	137.97	31.95	-90.55	497.47	6,339.98	7,609.71	7,474.91	134.80	56.450		
17,200.00	7,730.00	7,784.24	7,676.74	139.57	31.95	-90.57	497.47	6,339.99	7,702.72	7,567.68	135.03	57.043		
17,300.00	7,730.00	7,784.87	7,677.37	141.18	31.95	-90.58	497.46	6,339.99	7,795.90	7,660.64	135.26	57.637		
17,400.00	7,730.00	7,785.49	7,677.99	142.79	31.95	-90.59	497.46	6,339.99	7,889.24	7,753.77	135.48	58.234		
17,500.00	7,730.00	7,786.12	7,678.62	144.41	31.95	-90.60	497.46	6,340.00	7,982.75	7,847.06	135.69	58.832		
17,600.00	7,730.00	7,786.74	7,679.24	146.03	31.95	-90.62	497.45	6,340.00	8,076.41	7,940.52	135.89	59.433		
17,700.00	7,730.00	7,787.37	7,679.87	147.65	31.96	-90.63	497.45	6,340.01	8,170.22	8,034.13	136.09	60.035		
17,800.00	7,730.00	7,788.00	7,680.50	149.28	31.96	-90.64	497.44	6,340.01	8,264.18	8,127.90	136.28	60.639		
17,900.00	7,730.00	7,788.62	7,681.12	150.91	31.96	-90.65	497.44	6,340.01	8,358.28	8,221.80	136.47	61.245		
18,000.00	7,730.00	7,789.25	7,681.75	152.54	31.96	-90.67	497.44	6,340.02	8,452.51	8,315.85	136.66	61.853		
18,100.00	7,730.00	7,789.87	7,682.37	154.18	31.96	-90.68	497.43	6,340.02	8,546.87	8,410.04	136.83	62.462		
18,200.00	7,730.00	7,790.50	7,683.00	155.82	31.97	-90.69	497.43	6,340.03	8,641.36	8,504.36	137.01	63.072		
18,300.00	7,730.00	7,791.12	7,683.62	157.46	31.97	-90.71	497.42	6,340.03	8,735.98	8,598.80	137.18	63.684		
18,400.00	7,730.00	7,791.75	7,684.25	159.11	31.97	-90.72	497.42	6,340.03	8,830.71	8,693.37	137.34	64.297		
18,500.00	7,730.00	7,792.37	7,684.87	160.75	31.97	-90.73	497.42	6,340.04	8,925.56	8,788.05	137.50	64.911		
18,600.00	7,730.00	7,793.00	7,685.50	162.40	31.97	-90.74	497.41	6,340.04	9,020.51	8,882.85	137.66	65.527		
18,700.00	7,730.00	7,793.63	7,686.13	164.05	31.98	-90.76	497.41	6,340.04	9,115.58	8,977.77	137.81	66.144		
18,800.00	7,730.00	7,794.25	7,686.75	165.71	31.98	-90.77	497.40	6,340.05	9,210.75	9,072.79	137.96	66.762		
18,900.00	7,730.00	7,794.88	7,687.38	167.36	31.98	-90.78	497.40	6,340.05	9,306.02	9,167.91	138.11	67.381		
18,942.39	7,730.00	7,795.14	7,687.64	168.07	31.98	-90.79	497.40	6,340.05	9,346.44	9,208.27	138.17	67.643		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 8-4-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 78-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	82.02	757.94	5,404.17	5,457.67					
100.00	100.00	22.30	22.30	0.13	0.03	82.02	757.93	5,404.16	5,457.05	5,456.88	0.17	N/A		
199.23	199.23	117.24	117.23	0.49	0.26	82.02	757.29	5,404.09	5,456.90	5,456.15	0.75	7,295.548		
200.00	200.00	117.79	117.79	0.49	0.26	82.02	757.28	5,404.10	5,456.90	5,456.14	0.75	7,249.606		
300.00	300.00	169.00	168.97	0.85	0.45	82.04	755.84	5,404.39	5,457.21	5,455.92	1.30	4,211.350		
400.00	400.00	235.91	235.79	1.21	0.70	82.08	752.43	5,405.50	5,458.23	5,456.33	1.90	2,870.524		
500.00	500.00	293.62	293.30	1.57	0.91	82.12	748.08	5,407.23	5,460.16	5,457.68	2.48	2,202.945		
600.00	600.00	351.00	350.39	1.93	1.13	82.18	742.77	5,409.46	5,462.79	5,459.73	3.06	1,786.476		
700.00	700.00	412.15	411.08	2.29	1.38	82.26	735.93	5,412.44	5,466.16	5,462.50	3.66	1,492.092		
800.00	800.00	442.00	440.64	2.64	1.50	82.30	732.12	5,414.15	5,470.47	5,466.32	4.14	1,320.456		
900.00	899.98	495.60	493.55	3.00	1.74	22.77	724.42	5,417.90	5,474.13	5,469.40	4.73	1,158.016		
1,000.00	999.84	533.00	530.32	3.35	1.90	22.83	718.39	5,421.13	5,475.82	5,470.58	5.24	1,045.546		
1,100.00	1,099.45	567.03	563.66	3.71	2.07	22.91	712.46	5,424.51	5,475.48	5,469.73	5.75	952.828		
1,200.00	1,198.70	624.00	619.21	4.08	2.34	23.08	701.69	5,431.10	5,473.25	5,466.89	6.37	859.570		
1,300.00	1,297.47	647.65	642.17	4.47	2.47	23.19	696.88	5,434.12	5,468.75	5,461.90	6.84	799.233		
1,400.00	1,395.62	715.00	707.22	4.87	2.82	23.46	681.96	5,443.09	5,461.96	5,454.41	7.55	723.548		
1,500.00	1,493.06	758.64	749.12	5.31	3.07	23.69	671.42	5,449.29	5,452.83	5,444.67	8.16	668.440		
1,600.00	1,589.64	808.00	796.25	5.77	3.36	23.98	658.84	5,456.80	5,441.57	5,432.76	8.81	617.928		
1,700.00	1,685.27	857.85	843.58	6.28	3.67	24.30	645.42	5,464.82	5,428.12	5,418.63	9.49	572.067		
1,800.00	1,779.82	913.17	895.81	6.83	4.02	24.69	629.71	5,474.12	5,412.41	5,402.20	10.22	529.679		
1,900.00	1,873.17	973.02	952.18	7.43	4.41	25.13	612.49	5,484.52	5,394.43	5,383.43	11.00	490.403		
2,000.00	1,965.21	1,058.05	1,032.12	8.08	4.98	25.73	587.76	5,499.62	5,374.03	5,362.07	11.97	448.988		
2,100.00	2,055.84	1,140.39	1,109.27	8.79	5.55	26.38	562.99	5,514.22	5,350.92	5,337.97	12.95	413.137		
2,200.00	2,144.94	2,200.00	1,291.83	9.56	12.70	27.71	505.66	5,546.20	5,323.87	5,303.69	20.18	263.777		
2,300.00	2,232.39	1,392.31	1,346.42	10.39	7.26	28.34	488.59	5,555.25	5,293.95	5,278.39	15.55	340.377		
2,400.00	2,318.11	1,433.00	1,384.64	11.30	7.54	28.91	476.37	5,562.00	5,262.24	5,245.91	16.34	322.113		
2,504.60	2,405.78	1,468.97	1,418.30	12.31	7.80	29.51	465.32	5,568.24	5,227.21	5,210.05	17.15	304.723		
2,600.00	2,484.79	1,503.22	1,450.19	13.28	8.04	29.74	454.49	5,574.44	5,194.92	5,176.99	17.93	289.705		
2,700.00	2,567.60	1,555.20	1,498.35	14.32	8.42	30.10	437.57	5,584.23	5,162.20	5,143.32	18.88	273.396		
2,800.00	2,650.41	1,637.50	1,574.56	15.37	9.04	30.67	410.62	5,599.73	5,130.12	5,110.05	20.07	255.569		
2,900.00	2,733.23	1,713.17	1,644.73	16.44	9.60	31.19	386.16	5,613.97	5,098.64	5,077.40	21.23	240.108		
3,000.00	2,816.04	1,862.38	1,783.92	17.52	10.68	32.22	339.49	5,640.64	5,066.71	5,043.79	22.92	221.087		
3,100.00	2,898.85	1,935.19	1,852.20	18.60	11.19	32.72	317.71	5,653.52	5,035.39	5,011.32	24.07	209.186		
3,200.00	2,981.67	2,013.17	1,925.47	19.69	11.74	33.26	294.91	5,667.35	5,004.68	4,979.40	25.27	198.043		
3,300.00	3,064.48	2,085.62	1,993.57	20.79	12.25	33.76	273.82	5,680.26	4,974.61	4,948.16	26.45	188.107		
3,400.00	3,147.30	2,143.83	2,048.19	21.90	12.66	34.16	256.64	5,690.75	4,945.34	4,917.80	27.54	179.547		
3,500.00	3,230.11	2,202.07	2,102.67	23.00	13.08	34.58	239.05	5,701.44	4,917.02	4,888.36	28.66	171.583		
3,600.00	3,312.92	2,262.16	2,158.80	24.12	13.51	35.01	220.78	5,712.67	4,889.64	4,859.84	29.80	164.086		
3,700.00	3,395.74	2,428.33	2,314.66	25.23	14.69	36.20	171.53	5,742.58	4,862.18	4,830.49	31.69	153.430		
3,800.00	3,478.55	2,506.44	2,388.28	26.35	15.23	36.75	149.19	5,756.06	4,834.76	4,801.79	32.97	146.635		
3,900.00	3,561.36	2,570.50	2,448.54	27.47	15.67	37.22	130.54	5,767.21	4,808.17	4,774.00	34.17	140.707		
4,000.00	3,644.18	2,629.03	2,503.38	28.59	16.09	37.65	112.84	5,777.48	4,782.53	4,747.17	35.35	135.277		
4,100.00	3,726.99	2,727.05	2,595.15	29.72	16.79	38.38	83.04	5,794.76	4,757.69	4,720.86	36.83	129.184		
4,200.00	3,809.81	2,800.68	2,664.42	30.85	17.31	38.92	61.71	5,807.69	4,733.26	4,695.13	38.13	124.124		
4,300.00	3,892.62	2,859.78	2,719.86	31.98	17.72	39.36	44.10	5,818.11	4,709.75	4,670.40	39.35	119.697		
4,400.00	3,975.43	2,910.90	2,767.67	33.11	18.09	39.75	28.53	5,827.33	4,687.37	4,646.86	40.52	115.690		
4,500.00	4,058.25	2,968.60	2,821.50	34.24	18.51	40.19	10.65	5,837.96	4,666.15	4,624.40	41.75	111.772		
4,600.00	4,141.06	3,031.54	2,880.10	35.37	18.98	40.68	-9.08	5,849.71	4,645.97	4,602.94	43.03	107.976		
4,700.00	4,223.87	3,107.11	2,950.33	36.50	19.54	41.27	-33.11	5,863.84	4,626.70	4,582.28	44.42	104.157		
4,800.00	4,306.69	3,190.97	3,028.10	37.64	20.17	41.94	-60.42	5,879.30	4,608.19	4,562.29	45.90	100.403		
4,900.00	4,389.50	3,320.12	3,147.94	38.77	21.14	42.97	-102.80	5,902.18	4,590.05	4,542.30	47.75	96.134		
5,000.00	4,472.32	3,415.84	3,237.51	39.91	21.83	43.72	-131.98	5,919.06	4,572.11	4,522.80	49.31	92.713		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 78-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	3,469.01	3,287.38	41.05	22.20	44.14	-147.75	5,928.68	4,555.09	4,504.55	50.55	90.116		
5,200.00	4,637.94	3,518.50	3,333.73	42.18	22.56	44.52	-162.48	5,937.81	4,539.23	4,487.47	51.76	87.695		
5,300.00	4,720.76	3,561.11	3,373.47	43.32	22.87	44.86	-175.59	5,945.86	4,524.76	4,471.83	52.93	85.492		
5,400.00	4,803.57	3,623.25	3,431.18	44.46	23.33	45.36	-195.27	5,957.85	4,511.66	4,457.41	54.25	83.158		
5,500.00	4,886.39	3,680.79	3,497.03	45.60	24.63	46.77	-249.11	5,991.17	4,498.74	4,442.23	56.51	79.608		
5,600.00	4,969.20	3,875.95	3,667.64	46.74	25.16	47.37	-271.01	6,004.72	4,485.65	4,427.70	57.94	77.413		
5,700.00	5,052.01	3,942.29	3,729.78	47.88	25.63	47.90	-291.02	6,016.51	4,473.52	4,414.20	59.32	75.411		
5,800.00	5,134.83	3,991.96	3,776.13	49.02	26.00	48.30	-306.61	6,025.26	4,462.57	4,402.00	60.57	73.676		
5,900.00	5,217.64	4,035.75	3,816.92	50.16	26.32	48.66	-320.33	6,033.34	4,453.06	4,391.29	61.77	72.092		
6,000.00	5,300.45	4,097.93	3,874.78	51.30	26.78	49.17	-339.70	6,045.29	4,444.93	4,381.81	63.12	70.419		
6,100.00	5,383.27	4,199.08	3,968.96	52.45	27.53	49.99	-371.12	6,064.69	4,437.68	4,372.87	64.81	68.472		
6,200.00	5,466.08	4,282.77	4,046.87	53.59	28.15	50.68	-397.59	6,079.90	4,430.76	4,364.40	66.36	66.772		
6,300.00	5,548.90	4,337.00	4,097.37	54.73	28.55	51.12	-414.57	6,090.06	4,425.03	4,357.38	67.65	65.412		
6,400.00	5,631.71	4,390.00	4,146.68	55.87	28.94	51.56	-431.06	6,100.34	4,420.62	4,351.70	68.92	64.139		
6,500.00	5,714.52	4,447.68	4,200.25	57.02	29.37	52.03	-449.03	6,111.90	4,417.56	4,347.33	70.24	62.897		
6,600.00	5,797.34	4,528.45	4,275.21	58.16	29.98	52.69	-474.37	6,128.10	4,415.51	4,343.75	71.76	61.535		
6,700.00	5,880.15	4,617.92	4,358.07	59.30	30.66	53.43	-503.41	6,145.28	4,414.21	4,340.84	73.37	60.164		
6,775.21	5,942.44	4,662.98	4,399.68	60.16	31.01	53.81	-518.58	6,153.60	4,413.87	4,339.48	74.39	59.337		
6,800.00	5,962.96	4,677.81	4,413.35	60.45	31.13	53.94	-523.64	6,156.32	4,413.90	4,339.18	74.72	59.072		
6,900.00	6,045.78	4,711.00	4,443.91	61.59	31.38	54.22	-535.08	6,162.40	4,414.94	4,339.13	75.81	58.239		
7,000.00	6,128.59	4,766.56	4,464.35	62.73	31.16	54.78	-505.30	6,317.78	4,389.68	4,304.20	85.48	51.352		
7,100.00	6,211.41	4,869.04	4,566.82	63.88	31.33	55.43	-805.56	6,317.07	4,363.66	4,276.82	86.84	50.250		
7,200.00	6,294.22	4,971.12	4,671.91	65.02	31.49	56.09	-805.73	6,316.14	4,338.01	4,249.80	88.20	49.182		
7,300.00	6,377.03	5,073.73	4,778.51	66.17	31.66	56.80	-805.65	6,315.02	4,312.73	4,223.15	89.58	48.146		
7,400.00	6,459.85	5,176.37	4,884.35	67.31	31.79	57.34	-805.46	6,314.10	4,287.93	4,196.98	90.95	47.147		
7,500.00	6,542.66	5,279.62	4,991.38	68.46	31.91	58.05	-804.80	6,312.62	4,263.72	4,171.38	92.34	46.174		
7,600.00	6,625.48	5,383.06	5,098.81	69.60	32.04	58.81	-804.25	6,311.17	4,239.48	4,145.75	93.73	45.231		
7,700.00	6,708.29	5,485.25	5,206.97	70.75	32.17	59.65	-803.63	6,308.75	4,215.80	4,120.66	95.14	44.311		
7,800.00	6,791.10	5,587.06	5,315.73	71.89	32.29	60.54	-802.63	6,305.81	4,192.14	4,095.58	96.55	43.417		
7,900.00	6,873.92	5,688.31	5,425.94	73.04	32.40	61.48	-801.38	6,303.17	4,168.84	4,070.87	97.97	42.552		
8,000.00	6,956.73	5,789.96	5,537.56	74.18	32.51	62.43	-800.76	6,302.30	4,146.56	4,047.17	99.39	41.720		
8,100.00	7,039.54	5,891.00	5,645.60	75.33	32.62	63.42	-799.90	6,301.92	4,125.76	4,024.95	100.81	40.926		
8,165.32	7,093.63	5,948.33	5,703.91	76.08	32.71	64.41	-799.05	6,301.06	4,112.68	4,010.91	101.77	40.413		
8,200.00	7,122.60	5,977.18	5,732.74	76.47	32.78	64.80	-799.06	6,299.19	4,104.81	4,002.54	102.27	40.138		
8,250.00	7,165.05	6,006.58	5,762.00	77.01	32.84	65.18	-800.05	6,294.72	4,090.58	3,987.64	102.94	39.736		
8,300.00	7,208.03	6,036.00	5,791.55	77.52	32.89	65.56	-799.49	6,296.44	4,073.81	3,968.19	103.62	38.570		
8,350.00	7,251.22	6,065.18	5,821.62	77.99	32.94	66.00	-800.12	6,294.85	4,054.11	3,950.02	104.09	38.949		
8,400.00	7,294.28	6,094.20	5,851.63	78.41	32.99	66.41	-800.42	6,294.24	4,032.07	3,927.52	104.55	38.564		
8,450.00	7,336.90	6,123.11	5,881.64	78.78	33.04	66.82	-801.15	6,293.31	4,007.80	3,902.84	104.96	38.184		
8,500.00	7,378.73	6,152.00	5,911.65	79.10	33.09	67.23	-801.15	6,293.31	3,981.10	3,875.84	105.26	37.823		
8,550.00	7,419.47	6,181.52	5,941.66	79.37	33.14	67.64	-801.54	6,293.05	3,952.45	3,846.96	105.49	37.468		
8,600.00	7,458.81	6,210.33	5,971.67	79.59	33.19	68.05	-801.95	6,292.90	3,921.91	3,816.26	105.65	37.123		
8,650.00	7,496.44	6,239.38	6,001.68	79.76	33.24	68.46	-802.29	6,292.93	3,889.67	3,783.95	105.73	36.790		
8,700.00	7,532.08	6,268.40	6,031.69	79.88	33.29	68.87	-802.74	6,293.29	3,856.02	3,750.28	105.74	36.466		
8,750.00	7,565.46	6,297.42	6,061.70	79.95	33.34	69.28	-802.74	6,293.29	3,821.10	3,715.46	105.64	36.170		
8,800.00	7,596.33	6,326.44	6,091.71	79.98	33.39	69.69	-803.07	6,293.73	3,785.27	3,679.77	105.50	35.878		
8,850.00	7,624.44	6,355.46	6,121.72	79.97	33.44	70.10	-803.35	6,294.07	3,748.80	3,643.52	105.28	35.606		
8,900.00	7,649.59	6,384.48	6,151.73	79.93	33.49	70.51	-803.64	6,294.41	3,711.99	3,606.99	105.00	35.353		
8,950.00	7,671.59	6,413.50	6,181.74	79.84	33.54	70.92	-803.93	6,294.73	3,675.14	3,570.49	104.65	35.118		
9,000.00	7,690.26	6,442.52	6,211.75	79.73	33.59	71.33	-804.21	6,295.03	3,638.57	3,534.32	104.24	34.905		
9,050.00	7,705.47	6,471.54	6,241.76	79.59	33.64	71.74	-804.66	6,295.52	3,602.61	3,498.81	103.79	34.710		
9,100.00	7,717.09	6,500.56	6,271.77	79.43	33.69	72.15	-804.66	6,295.52	3,567.54	3,464.27	103.27	34.545		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 8-4-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 78-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,725.04	7,799.00	7,486.34	79.26	41.85	-80.33	-804.66	6,295.52	3,533.73	3,431.02	102.71	34.404		
9,200.00	7,729.27	7,799.00	7,486.34	79.06	41.85	-84.44	-804.66	6,295.52	3,501.49	3,399.37	102.12	34.289		
9,231.13	7,730.00	7,809.94	7,497.27	78.93	41.88	-86.89	-804.98	6,295.86	3,482.30	3,380.55	101.75	34.225		
9,300.00	7,730.00	7,811.29	7,498.62	78.65	41.88	-86.92	-805.02	6,295.91	3,441.19	3,340.31	100.88	34.112		
9,400.00	7,730.00	7,813.28	7,500.61	78.26	41.89	-86.96	-805.08	6,295.97	3,383.11	3,283.51	99.60	33.967		
9,500.00	7,730.00	7,815.29	7,502.62	77.89	41.89	-87.00	-805.14	6,296.03	3,327.01	3,228.71	98.30	33.846		
9,600.00	7,730.00	7,817.33	7,504.66	77.53	41.90	-87.04	-805.21	6,296.10	3,273.01	3,176.02	96.98	33.748		
9,700.00	7,730.00	7,819.40	7,506.73	77.19	41.91	-87.08	-805.27	6,296.17	3,221.20	3,125.54	95.66	33.674		
9,800.00	7,730.00	7,821.50	7,508.82	76.88	41.91	-87.13	-805.33	6,296.24	3,171.70	3,077.37	94.34	33.621		
9,900.00	7,730.00	7,823.63	7,510.95	76.58	41.92	-87.17	-805.40	6,296.31	3,124.62	3,031.59	93.03	33.589		
10,000.00	7,730.00	7,825.78	7,513.10	76.30	41.92	-87.22	-805.47	6,296.38	3,080.06	2,988.32	91.74	33.572		
10,100.00	7,730.00	7,827.97	7,515.29	76.04	41.93	-87.26	-805.54	6,296.45	3,038.14	2,947.63	90.51	33.569		
10,200.00	7,730.00	7,830.19	7,517.51	75.79	41.94	-87.31	-805.61	6,296.53	2,998.97	2,909.64	89.33	33.572		
10,300.00	7,730.00	7,832.44	7,519.75	75.57	41.94	-87.35	-805.68	6,296.60	2,962.65	2,874.41	88.24	33.575		
10,400.00	7,730.00	7,834.73	7,522.04	75.36	41.95	-87.40	-805.75	6,296.68	2,929.29	2,842.03	87.26	33.571		
10,500.00	7,730.00	7,837.04	7,524.35	75.18	41.96	-87.45	-805.83	6,296.76	2,899.00	2,812.59	86.41	33.548		
10,600.00	7,730.00	7,839.40	7,526.70	75.01	41.96	-87.50	-805.91	6,296.84	2,871.87	2,786.14	85.73	33.498		
10,700.00	7,730.00	7,841.78	7,529.08	74.86	41.97	-87.55	-805.98	6,296.93	2,848.00	2,762.75	85.25	33.409		
10,800.00	7,730.00	7,844.20	7,531.50	74.74	41.98	-87.60	-806.06	6,297.01	2,827.45	2,742.48	84.98	33.273		
10,900.00	7,730.00	7,846.66	7,533.96	74.64	41.99	-87.65	-806.15	6,297.10	2,810.32	2,725.37	84.95	33.082		
11,000.00	7,730.00	7,849.16	7,536.45	74.56	41.99	-87.70	-806.23	6,297.19	2,796.65	2,711.47	85.18	32.832		
11,100.00	7,730.00	7,851.69	7,538.98	74.51	42.00	-87.75	-806.32	6,297.28	2,786.51	2,700.83	85.68	32.522		
11,200.00	7,730.00	7,854.27	7,541.55	74.48	42.01	-87.80	-806.40	6,297.38	2,779.92	2,693.47	86.45	32.156		
11,300.00	7,730.00	7,856.88	7,544.16	74.48	42.01	-87.86	-806.49	6,297.47	2,776.92	2,689.44	87.48	31.744		
11,333.44	7,730.00	7,857.76	7,545.04	74.48	42.02	-87.88	-806.53	6,297.50	2,776.72	2,688.84	87.89	31.595 CC		
11,400.00	7,730.00	7,859.53	7,546.81	74.50	42.02	-87.91	-806.59	6,297.57	2,777.52	2,688.76	88.75	31.295 ES		
11,500.00	7,730.00	7,862.23	7,549.50	74.56	42.03	-87.97	-806.68	6,297.67	2,781.71	2,691.46	90.25	30.823		
11,600.00	7,730.00	7,864.97	7,552.24	74.66	42.04	-88.02	-806.78	6,297.77	2,789.47	2,697.54	91.93	30.342		
11,700.00	7,730.00	7,867.75	7,555.02	74.79	42.05	-88.08	-806.88	6,297.88	2,800.79	2,707.01	93.78	29.866		
11,800.00	7,730.00	7,870.58	7,557.84	74.96	42.05	-88.14	-806.98	6,297.99	2,815.61	2,719.86	95.75	29.405		
11,900.00	7,730.00	7,873.45	7,560.71	75.17	42.06	-88.20	-807.08	6,298.10	2,833.88	2,736.06	97.82	28.970		
12,000.00	7,730.00	7,876.37	7,563.63	75.43	42.07	-88.26	-807.19	6,298.21	2,855.53	2,755.58	99.95	28.569		
12,100.00	7,730.00	7,879.34	7,566.59	75.73	42.08	-88.32	-807.30	6,298.33	2,880.49	2,778.37	102.12	28.207		
12,200.00	7,730.00	7,882.36	7,569.61	76.09	42.09	-88.38	-807.41	6,298.45	2,908.67	2,804.37	104.30	27.888		
12,300.00	7,730.00	7,885.43	7,572.67	76.51	42.10	-88.45	-807.52	6,298.57	2,939.98	2,833.51	106.47	27.614		
12,400.00	7,730.00	7,888.55	7,575.79	76.97	42.11	-88.51	-807.64	6,298.69	2,974.32	2,865.71	108.61	27.386		
12,500.00	7,730.00	7,891.72	7,578.96	77.50	42.12	-88.58	-807.76	6,298.82	3,011.59	2,900.89	110.70	27.204		
12,600.00	7,730.00	7,898.83	7,586.05	78.09	42.14	-88.72	-808.03	6,299.11	3,051.67	2,938.94	112.73	27.071		
12,700.00	7,730.00	7,906.12	7,593.33	78.74	42.16	-88.87	-808.31	6,299.39	3,094.46	2,979.77	114.69	26.980		
12,800.00	7,730.00	7,913.22	7,600.42	79.45	42.18	-89.02	-808.57	6,299.65	3,139.84	3,023.26	116.59	26.932		
12,900.00	7,730.00	7,920.15	7,607.34	80.22	42.20	-89.16	-808.82	6,299.90	3,187.71	3,069.30	118.40	26.922 SF		
13,000.00	7,730.00	7,926.90	7,614.09	81.05	42.22	-89.30	-809.07	6,300.13	3,237.95	3,117.80	120.15	26.950		
13,100.00	7,730.00	7,933.50	7,620.67	81.94	42.24	-89.44	-809.30	6,300.34	3,290.46	3,168.65	121.81	27.014		
13,200.00	7,730.00	7,939.93	7,627.10	82.87	42.26	-89.57	-809.53	6,300.55	3,345.12	3,221.74	123.39	27.111		
13,300.00	7,730.00	7,946.21	7,633.37	83.86	42.27	-89.70	-809.75	6,300.74	3,401.84	3,276.96	124.89	27.240		
13,400.00	7,730.00	7,952.35	7,639.50	84.90	42.29	-89.82	-809.96	6,300.91	3,460.52	3,334.21	126.31	27.398		
13,500.00	7,730.00	7,958.34	7,645.49	85.97	42.31	-89.95	-810.16	6,301.08	3,521.05	3,393.40	127.65	27.584		
13,600.00	7,730.00	7,964.19	7,651.34	87.09	42.33	-90.07	-810.36	6,301.23	3,583.34	3,454.42	128.92	27.795		
13,700.00	7,730.00	7,969.91	7,657.05	88.25	42.34	-90.19	-810.55	6,301.38	3,647.31	3,517.20	130.11	28.031		
13,800.00	7,730.00	7,975.50	7,662.64	89.44	42.36	-90.30	-810.73	6,301.51	3,712.87	3,581.62	131.24	28.290		
13,900.00	7,730.00	7,980.97	7,668.10	90.66	42.38	-90.41	-810.91	6,301.64	3,779.92	3,647.62	132.30	28.570		
14,000.00	7,730.00	7,986.32	7,673.45	91.92	42.39	-90.52	-811.08	6,301.75	3,848.41	3,715.11	133.30	28.870		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 78-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,730.00	7,991.55	7,678.68	93.20	42.41	-90.63	-811.25	6,301.86	3,918.24	3,784.00	134.24	29.189		
14,200.00	7,730.00	7,996.67	7,683.79	94.50	42.42	-90.74	-811.41	6,301.96	3,989.36	3,854.24	135.12	29.525		
14,300.00	7,730.00	8,001.68	7,688.80	95.83	42.44	-90.84	-811.56	6,302.06	4,061.69	3,925.74	135.95	29.877		
14,400.00	7,730.00	7,999.08	7,686.20	97.17	42.42	-90.79	-811.47	6,302.01	4,135.18	3,998.45	136.73	30.243		
14,500.00	7,730.00	8,001.99	7,689.10	98.54	42.43	-90.85	-811.56	6,302.06	4,209.75	4,072.29	137.46	30.625		
14,600.00	7,730.00	8,004.79	7,691.90	99.92	42.44	-90.90	-811.64	6,302.11	4,285.36	4,147.21	138.15	31.021		
14,700.00	7,730.00	8,007.48	7,694.60	101.32	42.45	-90.96	-811.71	6,302.16	4,361.95	4,223.16	138.79	31.429		
14,800.00	7,730.00	8,010.08	7,697.19	102.74	42.45	-91.01	-811.78	6,302.20	4,439.47	4,300.07	139.39	31.849		
14,900.00	7,730.00	8,012.59	7,699.70	104.17	42.46	-91.07	-811.85	6,302.24	4,517.87	4,377.91	139.96	32.280		
15,000.00	7,730.00	8,015.01	7,702.12	105.62	42.47	-91.12	-811.91	6,302.27	4,597.10	4,456.61	140.49	32.721		
15,100.00	7,730.00	8,017.34	7,704.45	107.07	42.47	-91.16	-811.98	6,302.31	4,677.14	4,536.14	140.99	33.173		
15,200.00	7,730.00	8,019.60	7,706.71	108.54	42.48	-91.21	-812.03	6,302.34	4,757.92	4,616.46	141.46	33.634		
15,300.00	7,730.00	8,021.78	7,708.89	110.02	42.48	-91.25	-812.09	6,302.37	4,839.42	4,697.52	141.90	34.104		
15,400.00	7,730.00	8,023.89	7,711.00	111.51	42.49	-91.30	-812.14	6,302.40	4,921.61	4,779.29	142.32	34.582		
15,500.00	7,730.00	8,025.93	7,713.04	113.01	42.50	-91.34	-812.19	6,302.43	5,004.44	4,861.73	142.71	35.068		
15,600.00	7,730.00	8,027.91	7,715.02	114.52	42.50	-91.38	-812.24	6,302.45	5,087.89	4,944.81	143.07	35.561		
15,700.00	7,730.00	8,029.83	7,716.93	116.04	42.51	-91.42	-812.28	6,302.47	5,171.92	5,028.50	143.42	36.061		
15,800.00	7,730.00	8,031.69	7,718.79	117.56	42.51	-91.46	-812.33	6,302.50	5,256.51	5,112.77	143.74	36.568		
15,900.00	7,730.00	8,033.49	7,720.59	119.09	42.52	-91.50	-812.37	6,302.52	5,341.63	5,197.58	144.05	37.082		
16,000.00	7,730.00	8,035.24	7,722.34	120.63	42.52	-91.53	-812.41	6,302.54	5,427.26	5,282.93	144.34	37.601		
16,100.00	7,730.00	8,036.93	7,724.03	122.18	42.52	-91.57	-812.45	6,302.55	5,513.38	5,368.77	144.61	38.126		
16,200.00	7,730.00	8,038.58	7,725.68	123.73	42.53	-91.60	-812.48	6,302.57	5,599.95	5,455.09	144.87	38.656		
16,300.00	7,730.00	8,040.18	7,727.28	125.29	42.53	-91.63	-812.52	6,302.59	5,686.97	5,541.86	145.11	39.191		
16,400.00	7,730.00	8,041.74	7,728.84	126.86	42.54	-91.67	-812.55	6,302.60	5,774.40	5,629.06	145.34	39.731		
16,500.00	7,730.00	8,043.25	7,730.35	128.43	42.54	-91.70	-812.58	6,302.61	5,862.24	5,716.68	145.55	40.276		
16,600.00	7,730.00	8,044.72	7,731.82	130.01	42.55	-91.73	-812.61	6,302.63	5,950.45	5,804.70	145.76	40.825		
16,700.00	7,730.00	8,046.15	7,733.25	131.59	42.55	-91.76	-812.64	6,302.64	6,039.04	5,893.09	145.95	41.378		
16,800.00	7,730.00	8,047.55	7,734.65	133.18	42.55	-91.79	-812.67	6,302.65	6,127.98	5,981.84	146.13	41.935		
16,900.00	7,730.00	8,048.91	7,736.00	134.77	42.56	-91.81	-812.70	6,302.66	6,217.25	6,070.94	146.30	42.495		
17,000.00	7,730.00	8,050.23	7,737.33	136.37	42.56	-91.84	-812.72	6,302.67	6,306.84	6,160.37	146.47	43.060		
17,100.00	7,730.00	8,051.52	7,738.61	137.97	42.56	-91.87	-812.75	6,302.68	6,396.74	6,250.12	146.62	43.627		
17,200.00	7,730.00	8,052.77	7,739.87	139.57	42.57	-91.89	-812.77	6,302.69	6,486.94	6,340.17	146.77	44.198		
17,300.00	7,730.00	8,054.00	7,741.09	141.18	42.57	-91.92	-812.79	6,302.70	6,577.42	6,430.51	146.91	44.772		
17,400.00	7,730.00	8,055.19	7,742.29	142.79	42.57	-91.94	-812.82	6,302.71	6,668.17	6,521.13	147.04	45.349		
17,500.00	7,730.00	8,056.36	7,743.45	144.41	42.58	-91.97	-812.84	6,302.71	6,759.18	6,612.02	147.17	45.928		
17,600.00	7,730.00	8,057.49	7,744.59	146.03	42.58	-91.99	-812.86	6,302.72	6,850.45	6,703.16	147.29	46.511		
17,700.00	7,730.00	8,058.60	7,745.70	147.65	42.58	-92.01	-812.88	6,302.73	6,941.95	6,794.55	147.40	47.096		
17,800.00	7,730.00	8,059.69	7,746.78	149.28	42.58	-92.04	-812.90	6,302.73	7,033.68	6,886.17	147.51	47.683		
17,900.00	7,730.00	8,060.75	7,747.84	150.91	42.59	-92.06	-812.92	6,302.74	7,125.64	6,978.03	147.61	48.273		
18,000.00	7,730.00	8,061.78	7,748.88	152.54	42.59	-92.08	-812.93	6,302.74	7,217.81	7,070.10	147.71	48.864		
18,100.00	7,730.00	8,062.79	7,749.89	154.18	42.59	-92.10	-812.95	6,302.75	7,310.19	7,162.38	147.81	49.458		
18,200.00	7,730.00	8,063.78	7,750.88	155.82	42.60	-92.12	-812.97	6,302.75	7,402.76	7,254.86	147.89	50.054		
18,300.00	7,730.00	8,079.00	7,766.09	157.46	42.64	-92.43	-813.20	6,302.80	7,495.55	7,347.56	147.99	50.649		
18,400.00	7,730.00	8,079.00	7,766.09	159.11	42.64	-92.43	-813.20	6,302.80	7,588.49	7,440.42	148.07	51.249		
18,500.00	7,730.00	8,079.00	7,766.09	160.75	42.64	-92.43	-813.20	6,302.80	7,681.61	7,533.46	148.15	51.850		
18,600.00	7,730.00	8,079.00	7,766.09	162.40	42.64	-92.43	-813.20	6,302.80	7,774.91	7,626.68	148.22	52.454		
18,700.00	7,730.00	8,079.00	7,766.09	164.05	42.64	-92.43	-813.20	6,302.80	7,868.36	7,720.07	148.30	53.059		
18,800.00	7,730.00	8,079.00	7,766.09	165.71	42.64	-92.43	-813.20	6,302.80	7,961.98	7,813.62	148.36	53.665		
18,900.00	7,730.00	8,079.00	7,766.09	167.36	42.64	-92.43	-813.20	6,302.80	8,055.75	7,907.32	148.43	54.273		
18,942.39	7,730.00	8,079.00	7,766.09	168.07	42.64	-92.43	-813.20	6,302.80	8,095.54	7,947.09	148.46	54.531		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ CURY CRANDELL 32-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 109-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1,146.10	1,123.60	0.00	5.08	83.32	613.47	5,236.96	5,408.62					
100.00	100.00	1,215.00	1,189.69	0.13	5.49	83.46	599.20	5,223.72	5,386.72	5,381.44	5.28	1,020.122		
200.00	200.00	1,296.68	1,268.05	0.49	5.97	83.62	582.04	5,208.37	5,365.27	5,359.42	5.86	915.655		
300.00	300.00	1,557.95	1,517.21	0.85	7.59	84.22	522.11	5,157.61	5,344.05	5,336.55	7.51	711.877		
400.00	400.00	1,725.07	1,675.87	1.21	8.67	84.58	486.15	5,119.37	5,318.40	5,309.72	8.68	613.022		
500.00	500.00	1,776.62	1,724.92	1.57	9.00	84.68	475.49	5,107.61	5,293.31	5,284.05	9.26	571.461		
600.00	600.00	1,877.08	1,820.56	1.93	9.64	84.89	454.64	5,085.04	5,268.63	5,258.52	10.11	521.102		
700.00	700.00	1,927.46	1,868.67	2.29	9.95	84.99	444.68	5,073.88	5,244.40	5,233.69	10.71	489.881		
800.00	800.00	1,985.04	1,923.91	2.64	10.31	85.10	434.25	5,061.43	5,220.96	5,209.62	11.34	460.396		
900.00	899.98	2,056.00	1,992.03	3.00	10.74	25.87	421.02	5,046.61	5,196.70	5,184.65	12.04	431.569		
1,000.00	999.84	2,222.04	2,151.05	3.35	11.76	26.50	389.59	5,010.68	5,168.56	5,155.35	13.21	391.283		
1,100.00	1,099.45	2,323.43	2,248.14	3.71	12.39	27.04	370.94	4,988.14	5,137.18	5,123.12	14.06	365.330		
1,200.00	1,198.70	2,398.88	2,320.44	4.08	12.85	27.57	357.39	4,971.35	5,102.97	5,088.18	14.79	345.027		
1,300.00	1,297.47	2,485.75	2,403.75	4.47	13.38	28.19	341.84	4,952.27	5,066.22	5,050.65	15.58	325.272		
1,400.00	1,395.62	2,557.26	2,472.29	4.87	13.82	28.83	328.82	4,936.60	5,026.76	5,010.47	16.30	308.463		
1,500.00	1,493.06	2,617.00	2,529.58	5.31	14.18	29.49	317.61	4,923.92	4,985.17	4,968.19	16.97	293.743		
1,600.00	1,589.64	2,708.55	2,617.41	5.77	14.74	30.34	300.34	4,904.68	4,941.18	4,923.37	17.81	277.468		
1,700.00	1,685.27	2,753.87	2,660.95	6.28	15.01	31.06	292.06	4,895.24	4,894.86	4,876.42	18.43	265.558		
1,800.00	1,779.82	2,804.00	2,709.29	6.83	15.31	31.86	283.39	4,885.18	4,846.74	4,827.64	19.09	253.849		
1,900.00	1,873.17	3,029.39	2,926.03	7.43	16.65	33.61	245.82	4,836.17	4,794.39	4,773.85	20.54	233.363		
2,000.00	1,965.21	3,084.00	2,978.52	8.08	16.98	34.64	236.75	4,824.11	4,739.91	4,718.65	21.26	222.954		
2,100.00	2,055.84	3,125.20	3,018.18	8.79	17.23	35.68	229.98	4,815.25	4,683.66	4,661.72	21.94	213.500		
2,200.00	2,144.94	3,218.41	3,107.76	9.56	17.79	37.14	214.43	4,794.74	4,625.10	4,602.23	22.87	202.228		
2,300.00	2,232.39	3,283.52	3,170.29	10.39	18.18	38.54	203.33	4,780.39	4,564.58	4,540.86	23.71	192.480		
2,400.00	2,318.11	3,339.49	3,224.02	11.30	18.52	40.00	193.47	4,768.19	4,502.35	4,477.80	24.56	183.341		
2,504.60	2,405.78	3,401.79	3,283.79	12.31	18.90	41.68	182.13	4,754.75	4,435.59	4,410.09	25.50	173.946		
2,600.00	2,484.79	3,462.71	3,342.23	13.28	19.27	42.25	171.01	4,741.64	4,374.08	4,347.66	26.41	165.603		
2,700.00	2,567.60	3,508.98	3,386.63	14.32	19.56	42.69	162.51	4,731.77	4,310.14	4,282.82	27.32	157.753		
2,800.00	2,650.41	3,554.00	3,429.85	15.37	19.83	43.13	154.16	4,722.34	4,246.88	4,218.62	28.26	150.284		
2,900.00	2,733.23	3,594.67	3,468.94	16.44	20.07	43.53	146.57	4,714.03	4,184.40	4,155.19	29.21	143.258		
3,000.00	2,816.04	3,634.00	3,506.78	17.52	20.31	43.92	139.23	4,706.22	4,122.79	4,092.60	30.18	136.587		
3,100.00	2,898.85	3,647.00	3,519.30	18.60	20.39	44.05	136.80	4,703.70	4,062.21	4,031.14	31.07	130.747		
3,200.00	2,981.67	3,695.38	3,565.96	19.69	20.66	44.54	127.76	4,694.70	4,002.53	3,970.38	32.14	124.518		
3,300.00	3,064.48	3,741.00	3,610.10	20.79	20.93	45.01	119.25	4,686.88	3,944.16	3,910.92	33.24	118.668		
3,400.00	3,147.30	3,801.75	3,668.88	21.90	21.27	45.64	107.81	4,676.65	3,886.64	3,852.21	34.43	112.883		
3,500.00	3,230.11	3,972.64	3,833.63	23.00	22.27	47.49	75.72	4,644.64	3,828.28	3,792.11	36.17	105.847		
3,600.00	3,312.92	4,040.50	3,899.00	24.12	22.67	48.25	63.47	4,631.11	3,769.88	3,732.42	37.46	100.639		
3,700.00	3,395.74	4,093.05	3,949.70	25.23	22.98	48.84	54.32	4,620.77	3,712.25	3,673.54	38.71	95.901		
3,800.00	3,478.55	4,170.43	4,024.48	26.35	23.42	49.71	41.33	4,605.71	3,655.37	3,615.28	40.09	91.171		
3,900.00	3,561.36	4,253.02	4,104.18	27.47	23.91	50.68	27.36	4,589.13	3,598.76	3,557.21	41.54	86.633		
4,000.00	3,644.18	4,331.26	4,179.29	28.59	24.38	51.63	12.58	4,572.99	3,542.70	3,499.68	43.02	82.343		
4,100.00	3,726.99	4,425.56	4,269.58	29.72	24.96	52.83	-5.57	4,552.77	3,486.93	3,442.29	44.63	78.125		
4,200.00	3,809.81	4,502.17	4,342.73	30.85	25.45	53.83	-20.77	4,535.82	3,431.65	3,385.44	46.20	74.271		
4,300.00	3,892.62	4,585.79	4,422.32	31.98	25.99	54.96	-38.00	4,516.77	3,376.94	3,329.07	47.86	70.554		
4,400.00	3,975.43	4,664.64	4,497.16	33.11	26.51	56.06	-54.53	4,498.29	3,322.83	3,273.28	49.55	67.064		
4,500.00	4,058.25	4,745.89	4,574.30	34.24	27.04	57.21	-71.13	4,478.89	3,269.39	3,218.12	51.27	63.763		
4,600.00	4,141.06	4,799.34	4,625.14	35.37	27.39	57.97	-81.50	4,466.07	3,216.80	3,163.90	52.90	60.811		
4,700.00	4,223.87	4,839.07	4,662.90	36.50	27.65	58.55	-89.57	4,456.70	3,165.67	3,111.18	54.49	58.093		
4,800.00	4,306.69	4,879.02	4,700.82	37.64	27.91	59.14	-98.08	4,447.46	3,116.13	3,060.00	56.12	55.521		
4,900.00	4,389.50	4,920.43	4,740.20	38.77	28.17	59.77	-106.90	4,438.16	3,068.23	3,010.43	57.80	53.087		
5,000.00	4,472.32	4,966.99	4,784.58	39.91	28.47	60.47	-116.69	4,428.07	3,022.02	2,962.49	59.52	50.769		
5,100.00	4,555.13	5,058.39	4,871.80	41.05	29.05	61.86	-135.40	4,408.15	2,976.95	2,915.42	61.53	48.384		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ CURY CRANDELL 32-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 109-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	5,107.03	4,918.28	42.18	29.36	62.61	-145.07	4,397.57	2,933.14	2,869.82	63.32	46.322		
5,300.00	4,720.76	5,158.75	4,967.82	43.32	29.68	63.41	-155.12	4,386.62	2,890.99	2,825.84	65.15	44.373		
5,400.00	4,803.57	5,211.37	5,018.46	44.46	29.99	64.22	-164.67	4,376.00	2,850.55	2,783.56	66.99	42.551		
5,500.00	4,886.39	5,260.39	5,065.91	45.60	30.27	64.97	-172.76	4,366.72	2,811.88	2,743.06	68.81	40.862		
5,600.00	4,969.20	5,305.03	5,109.38	46.74	30.50	65.64	-179.37	4,359.02	2,775.17	2,704.56	70.61	39.306		
5,700.00	5,052.01	5,351.38	5,154.76	47.88	30.74	66.32	-185.47	4,351.86	2,740.46	2,668.07	72.40	37.853		
5,800.00	5,134.83	5,398.66	5,201.25	49.02	30.96	67.01	-191.10	4,345.36	2,707.79	2,633.62	74.18	36.505		
5,900.00	5,217.64	5,445.94	5,247.91	50.16	31.17	67.69	-196.20	4,339.64	2,677.17	2,601.23	75.94	35.252		
6,000.00	5,300.45	5,492.22	5,293.71	51.30	31.36	68.35	-200.79	4,334.84	2,648.69	2,571.00	77.69	34.094		
6,100.00	5,383.27	5,545.78	5,346.85	52.45	31.57	69.10	-205.64	4,330.24	2,622.34	2,542.90	79.44	33.010		
6,200.00	5,466.08	5,609.92	5,410.62	53.59	31.80	69.99	-210.72	4,325.66	2,597.80	2,516.59	81.21	31.989		
6,300.00	5,548.90	5,676.46	5,476.92	54.73	32.02	70.90	-214.97	4,322.03	2,574.94	2,492.00	82.95	31.044		
6,400.00	5,631.71	5,747.26	5,547.61	55.87	32.23	71.83	-218.11	4,319.55	2,553.69	2,469.04	84.66	30.165		
6,500.00	5,714.52	5,821.86	5,622.17	57.02	32.42	72.79	-220.03	4,318.30	2,533.89	2,447.55	86.33	29.350		
6,600.00	5,797.34	5,898.55	5,698.85	58.16	32.60	73.76	-220.84	4,318.22	2,515.44	2,427.47	87.97	28.594		
6,700.00	5,880.15	5,981.95	5,782.26	59.30	32.77	74.80	-221.25	4,318.61	2,498.21	2,408.61	89.59	27.885		
6,800.00	5,962.96	6,067.58	5,867.88	60.45	32.96	75.89	-221.78	4,318.85	2,482.06	2,390.84	91.22	27.210		
6,900.00	6,045.78	6,147.68	5,947.99	61.59	33.14	76.92	-222.37	4,318.96	2,467.06	2,374.24	92.83	26.577		
7,000.00	6,128.59	6,228.58	6,028.87	62.73	33.32	77.96	-223.05	4,319.12	2,453.37	2,358.95	94.42	25.983		
7,100.00	6,211.41	6,311.91	6,112.20	63.88	33.51	79.05	-223.71	4,319.36	2,440.91	2,344.91	96.00	25.426		
7,200.00	6,294.22	6,397.55	6,197.84	65.02	33.70	80.17	-224.18	4,319.74	2,429.62	2,332.06	97.56	24.904		
7,300.00	6,377.03	6,484.77	6,285.06	66.17	33.89	81.32	-224.53	4,320.06	2,419.45	2,320.35	99.10	24.414		
7,400.00	6,459.85	6,571.04	6,371.33	67.31	34.09	82.46	-224.83	4,320.19	2,410.38	2,309.76	100.62	23.955		
7,500.00	6,542.66	6,653.43	6,453.72	68.46	34.27	83.55	-225.07	4,320.32	2,402.56	2,300.46	102.10	23.531		
7,600.00	6,625.48	6,740.37	6,540.66	69.60	34.47	84.71	-225.22	4,320.48	2,395.95	2,292.39	103.56	23.135		
7,700.00	6,708.29	6,813.17	6,613.46	70.75	34.63	85.69	-225.40	4,320.70	2,390.75	2,285.79	104.96	22.778		
7,800.00	6,791.10	6,891.69	6,691.98	71.89	34.81	86.74	-225.75	4,321.15	2,387.11	2,280.78	106.33	22.449		
7,900.00	6,873.92	6,972.19	6,772.48	73.04	34.99	87.81	-226.12	4,321.78	2,384.87	2,277.20	107.67	22.149		
8,000.00	6,956.73	7,056.78	6,857.06	74.18	35.18	88.94	-226.41	4,322.70	2,383.98	2,275.00	108.99	21.874		
8,028.43	6,980.27	7,082.17	6,882.45	74.51	35.23	89.28	-226.48	4,322.95	2,383.94	2,274.58	109.35	21.800		
8,100.00	7,039.54	7,143.34	6,943.61	75.33	35.37	90.10	-226.62	4,323.48	2,384.23	2,273.97	110.26	21.623		
8,165.32	7,093.63	7,196.98	6,997.25	76.08	35.49	90.81	-226.76	4,323.93	2,385.08	2,274.01	111.07	21.473		
8,200.00	7,122.60	7,225.69	7,025.97	76.47	35.55	96.35	-226.84	4,324.17	2,384.81	2,273.32	111.49	21.390		
8,250.00	7,165.05	7,267.78	7,068.05	77.01	35.65	79.08	-226.97	4,324.51	2,381.34	2,269.27	112.07	21.249		
8,300.00	7,208.03	7,310.32	7,110.59	77.52	35.75	70.99	-227.12	4,324.85	2,374.19	2,261.57	112.62	21.082		
8,350.00	7,251.22	7,352.84	7,153.11	77.99	35.85	62.46	-227.29	4,325.18	2,363.37	2,250.24	113.13	20.891		
8,400.00	7,294.28	7,395.41	7,195.67	78.41	35.95	53.90	-227.48	4,325.49	2,348.92	2,235.32	113.60	20.678		
8,450.00	7,336.90	7,439.48	7,239.74	78.78	36.05	45.71	-227.69	4,325.79	2,330.87	2,216.84	114.03	20.440		
8,500.00	7,378.73	7,482.72	7,282.98	79.10	36.16	38.09	-227.90	4,326.02	2,309.29	2,194.87	114.42	20.182		
8,550.00	7,419.47	7,524.79	7,325.05	79.37	36.26	31.11	-228.10	4,326.21	2,284.31	2,169.55	114.77	19.904		
8,600.00	7,458.81	7,565.38	7,365.64	79.59	36.36	24.72	-228.29	4,326.34	2,256.08	2,141.01	115.07	19.607		
8,650.00	7,496.44	7,601.97	7,402.23	79.76	36.45	18.73	-228.46	4,326.44	2,224.78	2,109.47	115.32	19.293		
8,700.00	7,532.08	7,635.56	7,435.82	79.88	36.53	12.95	-228.64	4,326.57	2,190.67	2,075.16	115.52	18.964		
8,750.00	7,565.46	7,667.12	7,467.38	79.95	36.61	7.16	-228.82	4,326.74	2,153.98	2,038.31	115.68	18.621		
8,800.00	7,596.33	7,699.11	7,499.37	79.98	36.69	1.07	-229.00	4,326.95	2,114.95	1,999.15	115.80	18.264		
8,850.00	7,624.44	7,728.86	7,529.12	79.97	36.76	-5.69	-229.14	4,327.16	2,073.84	1,957.96	115.87	17.897		
8,900.00	7,649.59	7,755.45	7,555.71	79.93	36.82	-13.52	-229.24	4,327.37	2,030.96	1,915.05	115.91	17.522		
8,950.00	7,671.59	7,778.68	7,578.93	79.84	36.88	-22.85	-229.31	4,327.56	1,986.68	1,870.77	115.90	17.141		
9,000.00	7,690.26	7,797.52	7,597.77	79.73	36.92	-33.93	-229.36	4,327.71	1,941.35	1,825.50	115.85	16.758		
9,050.00	7,705.47	7,813.15	7,613.40	79.59	36.96	-46.63	-229.40	4,327.84	1,895.37	1,779.62	115.75	16.374		
9,100.00	7,717.09	7,825.11	7,625.36	79.43	36.99	-60.04	-229.43	4,327.94	1,849.15	1,733.53	115.61	15.994		
9,150.00	7,725.04	7,833.33	7,633.58	79.26	37.01	-72.77	-229.45	4,328.01	1,803.09	1,687.66	115.43	15.621		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ CURY CRANDELL 32-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 109-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,837.75	7,638.00	79.06	37.02	-83.65	-229.46	4,328.05	1,757.64	1,642.44	115.20	15.257		
9,231.13	7,730.00	7,838.56	7,638.81	78.93	37.02	-89.27	-229.46	4,328.06	1,729.83	1,614.80	115.03	15.038		
9,300.00	7,730.00	7,838.72	7,638.97	78.65	37.02	-89.28	-229.46	4,328.06	1,669.15	1,554.54	114.61	14.563		
9,400.00	7,730.00	7,838.94	7,639.19	78.26	37.02	-89.30	-229.46	4,328.06	1,582.23	1,468.33	113.90	13.891		
9,500.00	7,730.00	7,839.17	7,639.42	77.89	37.02	-89.32	-229.46	4,328.06	1,496.95	1,383.90	113.05	13.242		
9,600.00	7,730.00	7,839.39	7,639.64	77.53	37.02	-89.33	-229.46	4,328.06	1,413.59	1,301.59	112.01	12.621		
9,700.00	7,730.00	7,839.61	7,639.87	77.19	37.02	-89.35	-229.46	4,328.07	1,332.53	1,221.79	110.74	12.033		
9,800.00	7,730.00	7,839.84	7,640.09	76.88	37.02	-89.36	-229.47	4,328.07	1,254.21	1,145.01	109.19	11.486		
9,900.00	7,730.00	7,840.06	7,640.31	76.58	37.02	-89.38	-229.47	4,328.07	1,179.16	1,071.86	107.30	10.989		
10,000.00	7,730.00	7,840.28	7,640.54	76.30	37.02	-89.40	-229.47	4,328.07	1,108.07	1,003.07	105.00	10.553		
10,100.00	7,730.00	7,840.51	7,640.76	76.04	37.02	-89.41	-229.47	4,328.07	1,041.73	939.51	102.22	10.191		
10,200.00	7,730.00	7,840.73	7,640.98	75.79	37.02	-89.43	-229.47	4,328.08	981.12	882.22	98.90	9.920		
10,300.00	7,730.00	7,840.95	7,641.20	75.57	37.03	-89.44	-229.47	4,328.08	927.36	832.33	95.03	9.758		
10,400.00	7,730.00	7,841.17	7,641.42	75.36	37.03	-89.46	-229.47	4,328.08	881.69	791.00	90.70	9.721 SF		
10,500.00	7,730.00	7,841.39	7,641.64	75.18	37.03	-89.48	-229.47	4,328.08	845.44	759.30	86.14	9.814		
10,600.00	7,730.00	7,841.61	7,641.86	75.01	37.03	-89.49	-229.47	4,328.08	819.86	738.04	81.82	10.020		
10,700.00	7,730.00	7,841.83	7,642.08	74.86	37.03	-89.51	-229.47	4,328.08	805.95	727.58	78.37	10.283		
10,763.04	7,730.00	7,841.97	7,642.22	74.78	37.03	-89.52	-229.47	4,328.09	803.48	726.54	76.95	10.442 CC, ES		
10,800.00	7,730.00	7,842.05	7,642.30	74.74	37.03	-89.52	-229.47	4,328.09	804.33	727.92	76.42	10.526		
10,900.00	7,730.00	7,842.27	7,642.52	74.64	37.03	-89.54	-229.47	4,328.09	815.07	738.84	76.24	10.691		
11,000.00	7,730.00	7,842.49	7,642.74	74.56	37.03	-89.55	-229.47	4,328.09	837.70	760.06	77.64	10.790		
11,100.00	7,730.00	7,842.70	7,642.96	74.51	37.03	-89.57	-229.47	4,328.09	871.28	791.17	80.11	10.876		
11,200.00	7,730.00	7,842.92	7,643.17	74.48	37.03	-89.58	-229.47	4,328.09	914.61	831.49	83.12	11.003		
11,300.00	7,730.00	7,843.14	7,643.39	74.48	37.03	-89.60	-229.47	4,328.10	966.39	880.12	86.27	11.202		
11,400.00	7,730.00	7,843.36	7,643.61	74.50	37.03	-89.62	-229.47	4,328.10	1,025.33	936.02	89.31	11.480		
11,500.00	7,730.00	7,843.57	7,643.82	74.56	37.03	-89.63	-229.47	4,328.10	1,090.27	998.15	92.12	11.835		
11,600.00	7,730.00	7,843.79	7,644.04	74.66	37.03	-89.65	-229.47	4,328.10	1,160.21	1,065.56	94.64	12.259		
11,700.00	7,730.00	7,844.00	7,644.26	74.79	37.03	-89.66	-229.47	4,328.10	1,234.29	1,137.41	96.88	12.741		
11,800.00	7,730.00	7,844.22	7,644.47	74.96	37.03	-89.68	-229.47	4,328.10	1,311.82	1,212.98	98.84	13.272		
11,900.00	7,730.00	7,844.43	7,644.69	75.17	37.03	-89.69	-229.48	4,328.11	1,392.21	1,291.66	100.55	13.846		
12,000.00	7,730.00	7,844.65	7,644.90	75.43	37.03	-89.71	-229.48	4,328.11	1,475.01	1,372.96	102.05	14.454		
12,100.00	7,730.00	7,844.86	7,645.11	75.73	37.03	-89.72	-229.48	4,328.11	1,559.82	1,456.46	103.36	15.091		
12,200.00	7,730.00	7,845.07	7,645.33	76.09	37.04	-89.74	-229.48	4,328.11	1,646.34	1,541.82	104.51	15.752		
12,300.00	7,730.00	7,845.29	7,645.54	76.51	37.04	-89.75	-229.48	4,328.11	1,734.31	1,628.78	105.53	16.435		
12,400.00	7,730.00	7,845.50	7,645.75	76.97	37.04	-89.77	-229.48	4,328.12	1,823.52	1,717.10	106.42	17.135		
12,500.00	7,730.00	7,845.71	7,645.96	77.50	37.04	-89.78	-229.48	4,328.12	1,913.79	1,806.58	107.21	17.851		
12,600.00	7,730.00	7,845.92	7,646.18	78.09	37.04	-89.80	-229.48	4,328.12	2,004.99	1,897.07	107.92	18.579		
12,700.00	7,730.00	7,846.14	7,646.39	78.74	37.04	-89.81	-229.48	4,328.12	2,096.99	1,988.44	108.55	19.319		
12,800.00	7,730.00	7,846.35	7,646.60	79.45	37.04	-89.83	-229.48	4,328.12	2,189.70	2,080.58	109.11	20.068		
12,900.00	7,730.00	7,846.56	7,646.81	80.22	37.04	-89.84	-229.48	4,328.12	2,283.01	2,173.39	109.62	20.826		
13,000.00	7,730.00	7,846.77	7,647.02	81.05	37.04	-89.86	-229.48	4,328.13	2,376.88	2,266.79	110.08	21.592		
13,100.00	7,730.00	7,846.98	7,647.23	81.94	37.04	-89.87	-229.48	4,328.13	2,471.22	2,360.72	110.50	22.364		
13,200.00	7,730.00	7,847.19	7,647.44	82.87	37.04	-89.89	-229.48	4,328.13	2,565.99	2,455.11	110.88	23.141		
13,300.00	7,730.00	7,847.40	7,647.65	83.86	37.04	-89.90	-229.48	4,328.13	2,661.15	2,549.92	111.23	23.924		
13,400.00	7,730.00	7,847.60	7,647.86	84.90	37.04	-89.92	-229.48	4,328.13	2,756.65	2,645.10	111.55	24.712		
13,500.00	7,730.00	7,847.81	7,648.06	85.97	37.04	-89.93	-229.48	4,328.13	2,852.45	2,740.61	111.84	25.504		
13,600.00	7,730.00	7,848.02	7,648.27	87.09	37.04	-89.95	-229.48	4,328.14	2,948.54	2,836.42	112.12	26.299		
13,700.00	7,730.00	7,848.23	7,648.48	88.25	37.04	-89.96	-229.48	4,328.14	3,044.88	2,932.51	112.37	27.098		
13,800.00	7,730.00	7,848.43	7,648.69	89.44	37.04	-89.98	-229.48	4,328.14	3,141.44	3,028.84	112.60	27.899		
13,900.00	7,730.00	7,848.64	7,648.89	90.66	37.04	-89.99	-229.48	4,328.14	3,238.22	3,125.40	112.82	28.704		
14,000.00	7,730.00	7,848.85	7,649.10	91.92	37.04	-90.01	-229.48	4,328.14	3,335.18	3,222.16	113.02	29.510		
14,100.00	7,730.00	7,849.05	7,649.31	93.20	37.04	-90.02	-229.49	4,328.15	3,432.32	3,319.11	113.21	30.319		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ CURY CRANDELL 32-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 109-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,849.26	7,649.51	94.50	37.05	-90.04	-229.49	4,328.15	3,529.62	3,416.24	113.38	31.130		
14,300.00	7,730.00	7,849.46	7,649.72	95.83	37.05	-90.05	-229.49	4,328.15	3,627.07	3,513.51	113.55	31.942		
14,400.00	7,730.00	7,849.67	7,649.92	97.17	37.05	-90.07	-229.49	4,328.15	3,724.65	3,610.94	113.71	32.756		
14,500.00	7,730.00	7,849.87	7,650.12	98.54	37.05	-90.08	-229.49	4,328.15	3,822.35	3,708.50	113.86	33.572		
14,600.00	7,730.00	7,850.08	7,650.33	99.92	37.05	-90.09	-229.49	4,328.15	3,920.17	3,806.18	114.00	34.389		
14,700.00	7,730.00	7,850.28	7,650.53	101.32	37.05	-90.11	-229.49	4,328.16	4,018.10	3,903.98	114.13	35.207		
14,800.00	7,730.00	7,850.48	7,650.74	102.74	37.05	-90.12	-229.49	4,328.16	4,116.13	4,001.88	114.25	36.026		
14,900.00	7,730.00	7,850.69	7,650.94	104.17	37.05	-90.14	-229.49	4,328.16	4,214.25	4,099.88	114.37	36.846		
15,000.00	7,730.00	7,850.89	7,651.14	105.62	37.05	-90.15	-229.49	4,328.16	4,312.46	4,197.97	114.49	37.667		
15,100.00	7,730.00	7,851.09	7,651.34	107.07	37.05	-90.17	-229.49	4,328.16	4,410.75	4,296.15	114.60	38.489		
15,200.00	7,730.00	7,851.29	7,651.54	108.54	37.05	-90.18	-229.49	4,328.16	4,509.11	4,394.41	114.70	39.311		
15,300.00	7,730.00	7,851.49	7,651.75	110.02	37.05	-90.20	-229.49	4,328.17	4,607.55	4,492.74	114.80	40.134		
15,400.00	7,730.00	7,851.69	7,651.95	111.51	37.05	-90.21	-229.49	4,328.17	4,706.05	4,591.15	114.90	40.958		
15,500.00	7,730.00	7,851.89	7,652.15	113.01	37.05	-90.22	-229.49	4,328.17	4,804.61	4,689.62	114.99	41.782		
15,600.00	7,730.00	7,852.10	7,652.35	114.52	37.05	-90.24	-229.49	4,328.17	4,903.23	4,788.15	115.08	42.607		
15,700.00	7,730.00	7,852.29	7,652.55	116.04	37.05	-90.25	-229.49	4,328.17	5,001.90	4,886.74	115.17	43.432		
15,800.00	7,730.00	7,852.49	7,652.75	117.56	37.05	-90.27	-229.49	4,328.17	5,100.63	4,985.38	115.25	44.257		
15,900.00	7,730.00	7,852.69	7,652.95	119.09	37.05	-90.28	-229.49	4,328.18	5,199.40	5,084.08	115.33	45.083		
16,000.00	7,730.00	7,852.89	7,653.14	120.63	37.05	-90.30	-229.49	4,328.18	5,298.23	5,182.82	115.41	45.909		
16,100.00	7,730.00	7,853.09	7,653.34	122.18	37.05	-90.31	-229.49	4,328.18	5,397.09	5,281.61	115.48	46.735		
16,200.00	7,730.00	7,853.29	7,653.54	123.73	37.05	-90.32	-229.49	4,328.18	5,496.00	5,380.44	115.56	47.562		
16,300.00	7,730.00	7,853.49	7,653.74	125.29	37.06	-90.34	-229.49	4,328.18	5,594.94	5,479.31	115.63	48.388		
16,400.00	7,730.00	7,853.68	7,653.93	126.86	37.06	-90.35	-229.50	4,328.18	5,693.92	5,578.23	115.70	49.215		
16,500.00	7,730.00	7,853.88	7,654.13	128.43	37.06	-90.37	-229.50	4,328.19	5,792.94	5,677.18	115.76	50.041		
16,600.00	7,730.00	7,854.08	7,654.33	130.01	37.06	-90.38	-229.50	4,328.19	5,891.99	5,776.16	115.83	50.868		
16,700.00	7,730.00	7,854.27	7,654.52	131.59	37.06	-90.39	-229.50	4,328.19	5,991.07	5,875.18	115.89	51.695		
16,800.00	7,730.00	7,854.47	7,654.72	133.18	37.06	-90.41	-229.50	4,328.19	6,090.18	5,974.22	115.96	52.522		
16,900.00	7,730.00	7,854.66	7,654.92	134.77	37.06	-90.42	-229.50	4,328.19	6,189.32	6,073.30	116.02	53.348		
17,000.00	7,730.00	7,854.86	7,655.11	136.37	37.06	-90.44	-229.50	4,328.19	6,288.49	6,172.41	116.08	54.175		
17,100.00	7,730.00	7,855.05	7,655.31	137.97	37.06	-90.45	-229.50	4,328.20	6,387.68	6,271.54	116.14	55.002		
17,200.00	7,730.00	7,855.25	7,655.50	139.57	37.06	-90.46	-229.50	4,328.20	6,486.90	6,370.70	116.19	55.828		
17,300.00	7,730.00	7,855.44	7,655.69	141.18	37.06	-90.48	-229.50	4,328.20	6,586.14	6,469.89	116.25	56.654		
17,400.00	7,730.00	7,855.64	7,655.89	142.79	37.06	-90.49	-229.50	4,328.20	6,685.40	6,569.10	116.31	57.481		
17,500.00	7,730.00	7,855.83	7,656.08	144.41	37.06	-90.50	-229.50	4,328.20	6,784.69	6,668.33	116.36	58.307		
17,600.00	7,730.00	7,856.02	7,656.27	146.03	37.06	-90.52	-229.50	4,328.20	6,883.99	6,767.58	116.42	59.133		
17,700.00	7,730.00	7,856.21	7,656.47	147.65	37.06	-90.53	-229.50	4,328.21	6,983.32	6,866.85	116.47	59.958		
17,800.00	7,730.00	7,856.41	7,656.66	149.28	37.06	-90.55	-229.50	4,328.21	7,082.67	6,966.14	116.52	60.784		
17,900.00	7,730.00	7,856.60	7,656.85	150.91	37.06	-90.56	-229.50	4,328.21	7,182.03	7,065.45	116.57	61.609		
18,000.00	7,730.00	7,856.79	7,657.04	152.54	37.06	-90.57	-229.50	4,328.21	7,281.41	7,164.78	116.63	62.434		
18,100.00	7,730.00	7,856.98	7,657.23	154.18	37.06	-90.59	-229.50	4,328.21	7,380.81	7,264.13	116.68	63.259		
18,200.00	7,730.00	7,857.17	7,657.42	155.82	37.06	-90.60	-229.50	4,328.21	7,480.22	7,363.49	116.73	64.083		
18,300.00	7,730.00	7,857.36	7,657.61	157.46	37.06	-90.61	-229.50	4,328.22	7,579.65	7,462.87	116.78	64.907		
18,400.00	7,730.00	7,857.55	7,657.80	159.11	37.06	-90.63	-229.50	4,328.22	7,679.09	7,562.27	116.83	65.731		
18,500.00	7,730.00	7,857.74	7,657.99	160.75	37.07	-90.64	-229.50	4,328.22	7,778.55	7,661.68	116.88	66.554		
18,600.00	7,730.00	7,857.93	7,658.18	162.40	37.07	-90.65	-229.50	4,328.22	7,878.02	7,761.10	116.92	67.377		
18,700.00	7,730.00	7,858.12	7,658.37	164.05	37.07	-90.67	-229.50	4,328.22	7,977.51	7,860.54	116.97	68.200		
18,800.00	7,730.00	7,858.31	7,658.56	165.71	37.07	-90.68	-229.50	4,328.22	8,077.00	7,959.99	117.02	69.023		
18,900.00	7,730.00	7,858.50	7,658.75	167.36	37.07	-90.70	-229.51	4,328.23	8,176.51	8,059.45	117.07	69.845		
18,942.39	7,730.00	7,858.58	7,658.83	168.07	37.07	-90.70	-229.51	4,328.23	8,218.70	8,101.61	117.09	70.193		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 0-4-23 - OWB - FINAL SURVEY													Offset Site Error: 0.00 usft	
Survey Program: 122-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	134.12	-2,069.43	2,134.08	2,973.04					
100.00	100.00	71.68	71.68	0.13	0.12	134.12	-2,069.32	2,133.89	2,972.52	2,972.27	0.25	N/A		
200.00	200.00	184.76	184.76	0.49	0.42	134.12	-2,068.76	2,132.97	2,971.58	2,970.66	0.92	3,244.788		
300.00	300.00	300.02	300.00	0.85	0.84	134.12	-2,067.77	2,131.95	2,970.35	2,968.67	1.69	1,760.399		
400.00	400.00	395.35	395.32	1.21	1.18	134.12	-2,066.78	2,130.94	2,968.87	2,966.48	2.39	1,243.679		
500.00	500.00	485.53	485.50	1.57	1.50	134.12	-2,065.67	2,130.48	2,967.65	2,964.58	3.07	967.954		
600.00	600.00	645.81	645.73	1.93	2.07	134.09	-2,062.28	2,128.82	2,965.35	2,961.35	4.00	741.898		
700.00	700.00	766.10	765.94	2.29	2.51	134.07	-2,058.65	2,126.52	2,961.87	2,957.08	4.79	618.820		
800.00	800.00	856.41	856.18	2.64	2.83	134.05	-2,055.54	2,125.01	2,958.27	2,952.80	5.47	540.972		
900.00	899.98	1,730.06	1,715.18	3.00	6.46	74.75	-1,946.98	2,037.26	2,946.21	2,937.34	8.86	332.386		
1,000.00	999.84	1,998.74	1,969.57	3.35	7.99	75.58	-1,882.30	1,980.22	2,913.00	2,902.85	10.15	286.966		
1,100.00	1,099.45	2,151.36	2,111.92	3.71	8.96	76.56	-1,840.68	1,944.20	2,874.94	2,863.88	11.05	260.098		
1,200.00	1,198.70	2,216.48	2,172.53	4.08	9.38	77.53	-1,822.94	1,928.34	2,835.69	2,824.02	11.68	242.882		
1,300.00	1,297.47	2,288.20	2,239.56	4.47	9.85	78.59	-1,803.97	1,911.24	2,796.68	2,784.34	12.33	226.751		
1,400.00	1,395.62	2,371.74	2,317.74	4.87	10.40	79.77	-1,782.57	1,891.03	2,757.44	2,744.39	13.05	211.295		
1,500.00	1,493.06	2,455.60	2,396.28	5.31	10.96	81.04	-1,760.75	1,871.33	2,717.98	2,704.18	13.79	197.056		
1,600.00	1,589.64	2,541.97	2,477.21	5.77	11.53	82.39	-1,737.84	1,851.70	2,678.36	2,663.78	14.57	183.770		
1,700.00	1,685.27	2,650.55	2,578.76	6.28	12.27	84.01	-1,708.95	1,826.39	2,638.07	2,622.61	15.46	170.641		
1,800.00	1,779.82	2,731.44	2,654.37	6.83	12.82	85.55	-1,687.50	1,807.22	2,597.62	2,581.32	16.30	159.341		
1,900.00	1,873.17	2,805.15	2,723.35	7.43	13.32	87.08	-1,667.81	1,790.27	2,557.62	2,540.45	17.17	148.936		
2,000.00	1,965.21	2,933.54	2,843.23	8.08	14.21	89.27	-1,633.22	1,760.03	2,517.53	2,499.28	18.25	137.963		
2,100.00	2,055.84	3,045.69	2,947.21	8.79	15.02	91.46	-1,601.65	1,732.31	2,476.45	2,457.12	19.33	128.110		
2,200.00	2,144.94	3,119.11	3,015.16	9.56	15.55	93.28	-1,580.85	1,713.85	2,435.93	2,415.56	20.38	119.538		
2,300.00	2,232.39	3,175.49	3,067.48	10.39	15.96	94.91	-1,565.35	1,699.68	2,397.07	2,375.62	21.46	111.714		
2,400.00	2,318.11	3,251.77	3,138.42	11.30	16.51	96.85	-1,544.72	1,680.69	2,360.04	2,337.38	22.66	104.155		
2,504.60	2,405.78	3,336.51	3,217.15	12.31	17.12	98.99	-1,521.27	1,659.88	2,322.87	2,298.86	24.01	96.751		
2,600.00	2,484.79	3,415.95	3,290.84	13.28	17.71	100.33	-1,499.30	1,639.98	2,290.41	2,265.11	25.30	90.526		
2,700.00	2,567.60	3,514.09	3,381.61	14.32	18.43	102.02	-1,471.62	1,614.91	2,257.39	2,230.67	26.72	84.494		
2,800.00	2,650.41	3,596.89	3,457.83	15.37	19.06	103.47	-1,447.43	1,593.43	2,225.14	2,197.01	28.13	79.092		
2,900.00	2,733.23	3,651.27	3,508.00	16.44	19.47	104.43	-1,431.59	1,579.68	2,194.96	2,165.42	29.54	74.312		
3,000.00	2,816.04	3,701.57	3,554.58	17.52	19.84	105.32	-1,417.20	1,567.33	2,167.19	2,136.23	30.96	70.000		
3,100.00	2,898.85	3,750.62	3,600.22	18.60	20.20	106.20	-1,403.63	1,555.51	2,142.06	2,109.65	32.40	66.106		
3,200.00	2,981.67	3,828.19	3,672.55	19.69	20.76	107.61	-1,382.48	1,537.13	2,119.25	2,085.34	33.90	62.511		
3,300.00	3,064.48	3,919.23	3,757.24	20.79	21.42	109.28	-1,357.21	1,515.32	2,097.93	2,062.50	35.43	59.209		
3,400.00	3,147.30	3,998.70	3,830.87	21.90	22.01	110.78	-1,335.03	1,495.24	2,078.13	2,041.17	36.96	56.220		
3,500.00	3,230.11	4,069.47	3,896.48	23.00	22.53	112.12	-1,315.03	1,477.84	2,060.38	2,021.88	38.49	53.527		
3,600.00	3,312.92	4,135.25	3,957.61	24.12	23.02	113.36	-1,296.44	1,462.18	2,044.96	2,004.94	40.02	51.104		
3,700.00	3,395.74	4,199.79	4,017.69	25.23	23.48	114.59	-1,278.41	1,446.98	2,031.98	1,990.44	41.54	48.922		
3,800.00	3,478.55	4,278.63	4,091.11	26.35	24.06	116.10	-1,256.63	1,428.24	2,021.39	1,978.32	43.06	46.938		
3,900.00	3,561.36	4,363.31	4,169.80	27.47	24.68	117.73	-1,232.68	1,408.15	2,012.51	1,967.92	44.59	45.132		
4,000.00	3,644.18	4,435.46	4,236.74	28.59	25.21	119.13	-1,212.21	1,390.64	2,005.76	1,959.66	46.10	43.512		
4,100.00	3,726.99	4,499.13	4,295.87	29.72	25.68	120.37	-1,194.33	1,375.24	2,001.54	1,953.96	47.58	42.069		
4,198.20	3,808.32	4,554.06	4,347.03	30.83	26.08	121.44	-1,179.19	1,362.18	2,000.09	1,951.09	48.99	40.823 CC		
4,200.00	3,809.81	4,555.02	4,347.92	30.85	26.09	121.46	-1,178.93	1,361.95	2,000.09	1,951.07	49.02	40.802 ES		
4,300.00	3,892.62	4,609.00	4,398.42	31.98	26.48	122.50	-1,164.55	1,349.39	2,001.65	1,951.23	50.43	39.695		
4,400.00	3,975.43	4,658.05	4,444.52	33.11	26.81	123.44	-1,151.98	1,338.33	2,006.31	1,954.53	51.78	38.749		
4,500.00	4,058.25	4,704.00	4,487.94	34.24	27.13	124.31	-1,140.70	1,328.37	2,014.08	1,961.01	53.08	37.947		
4,600.00	4,141.06	4,759.37	4,540.53	35.37	27.48	125.34	-1,127.75	1,316.86	2,024.88	1,970.55	54.33	37.268		
4,700.00	4,223.87	4,798.00	4,577.38	36.50	27.73	126.05	-1,119.13	1,309.15	2,038.69	1,983.19	55.50	36.732		
4,800.00	4,306.69	4,855.00	4,632.07	37.64	28.07	127.08	-1,107.21	1,298.37	2,055.42	1,998.78	56.65	36.285		
4,900.00	4,389.50	4,904.43	4,679.80	38.77	28.35	127.95	-1,097.75	1,289.69	2,075.19	2,017.47	57.72	35.954		
5,000.00	4,472.32	4,969.42	4,742.81	39.91	28.71	129.06	-1,085.96	1,278.99	2,097.38	2,038.61	58.77	35.685		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 0-4-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	5,025.95	4,797.79	41.05	29.00	130.00	-1,076.19	1,270.26	2,121.79	2,062.04	59.75	35.509		
5,200.00	4,637.94	5,081.00	4,851.55	42.18	29.29	130.89	-1,067.41	1,262.24	2,148.61	2,087.94	60.68	35.411		
5,300.00	4,720.76	5,140.10	4,909.44	43.32	29.57	131.82	-1,058.69	1,254.13	2,177.65	2,116.09	61.56	35.374		
5,400.00	4,803.57	5,198.19	4,966.50	44.46	29.83	132.71	-1,050.73	1,246.70	2,208.67	2,146.28	62.39	35.400		
5,500.00	4,886.39	5,252.94	5,020.54	45.60	30.07	133.50	-1,044.16	1,240.89	2,241.77	2,178.60	63.16	35.492		
5,600.00	4,969.20	5,311.05	5,078.14	46.74	30.29	134.29	-1,038.21	1,236.02	2,276.78	2,212.88	63.90	35.630		
5,700.00	5,052.01	5,371.20	5,137.90	47.88	30.51	135.07	-1,032.91	1,231.83	2,313.52	2,248.91	64.61	35.808		
5,800.00	5,134.83	5,436.04	5,202.46	49.02	30.72	135.87	-1,028.09	1,228.28	2,351.75	2,286.45	65.30	36.015		
5,900.00	5,217.64	5,504.87	5,271.11	50.16	30.93	136.66	-1,023.88	1,225.71	2,391.28	2,325.30	65.98	36.243		
6,000.00	5,300.45	5,569.90	5,336.06	51.30	31.11	137.37	-1,020.70	1,224.43	2,431.90	2,365.28	66.62	36.505		
6,100.00	5,383.27	5,621.57	5,387.70	52.45	31.24	137.90	-1,018.96	1,223.84	2,474.01	2,406.84	67.16	36.836		
6,200.00	5,466.08	5,677.56	5,443.67	53.59	31.38	138.45	-1,017.93	1,223.42	2,517.64	2,449.94	67.71	37.185		
6,300.00	5,548.90	5,742.00	5,508.11	54.73	31.53	139.07	-1,017.42	1,222.99	2,562.52	2,494.25	68.27	37.533		
6,400.00	5,631.71	5,827.63	5,593.74	55.87	31.72	139.85	-1,017.16	1,222.72	2,608.11	2,539.17	68.94	37.830		
6,500.00	5,714.52	5,917.22	5,683.32	57.02	31.92	140.65	-1,016.63	1,222.52	2,653.86	2,584.23	69.63	38.115		
6,600.00	5,797.34	5,997.33	5,763.43	58.16	32.11	141.35	-1,015.87	1,221.92	2,699.91	2,629.66	70.25	38.431		
6,700.00	5,880.15	6,079.35	5,845.44	59.30	32.31	142.05	-1,015.14	1,221.20	2,746.43	2,675.55	70.88	38.746		
6,800.00	5,962.96	6,158.99	5,925.08	60.45	32.50	142.71	-1,014.39	1,220.40	2,793.32	2,721.83	71.49	39.072		
6,900.00	6,045.78	6,236.35	6,002.43	61.59	32.69	143.33	-1,013.78	1,219.52	2,840.73	2,768.64	72.08	39.410		
7,000.00	6,128.59	6,319.40	6,085.47	62.73	32.90	143.99	-1,013.17	1,218.53	2,888.51	2,815.81	72.70	39.732		
7,100.00	6,211.41	6,407.30	6,173.36	63.88	33.11	144.66	-1,012.44	1,217.55	2,936.52	2,863.18	73.34	40.040		
7,200.00	6,294.22	6,487.94	6,253.99	65.02	33.31	145.25	-1,011.80	1,216.78	2,984.78	2,910.84	73.94	40.369		
7,300.00	6,377.03	6,570.53	6,336.58	66.17	33.51	145.83	-1,011.32	1,216.25	3,033.34	2,958.80	74.54	40.694		
7,400.00	6,459.85	6,667.22	6,433.26	67.31	33.74	146.49	-1,010.92	1,216.24	3,082.03	3,006.81	75.22	40.972		
7,500.00	6,542.66	6,745.26	6,511.30	68.46	33.93	146.99	-1,010.58	1,216.63	3,130.72	3,054.92	75.80	41.305		
7,600.00	6,625.48	6,828.18	6,594.22	69.60	34.13	147.52	-1,010.14	1,216.50	3,179.84	3,103.44	76.40	41.624		
7,700.00	6,708.29	6,910.98	6,677.02	70.75	34.34	148.04	-1,009.42	1,216.21	3,229.04	3,152.04	76.99	41.939		
7,800.00	6,791.10	6,984.92	6,750.96	71.89	34.53	148.49	-1,008.96	1,215.87	3,278.68	3,201.14	77.54	42.284		
7,900.00	6,873.92	7,079.26	6,845.29	73.04	34.77	149.05	-1,008.39	1,215.59	3,328.46	3,250.25	78.20	42.561		
8,000.00	6,956.73	7,176.68	6,942.72	74.18	35.01	149.60	-1,007.68	1,215.80	3,378.11	3,299.22	78.89	42.822		
8,100.00	7,039.54	7,261.62	7,027.65	75.33	35.23	150.07	-1,006.89	1,216.05	3,427.77	3,348.27	79.50	43.119		
8,165.32	7,093.63	7,307.63	7,073.66	76.08	35.35	150.32	-1,006.41	1,216.05	3,460.34	3,380.51	79.84	43.342		
8,200.00	7,122.60	7,332.84	7,098.86	76.47	35.42	144.59	-1,006.15	1,215.97	3,476.96	3,396.93	80.02	43.450		
8,250.00	7,165.05	7,377.21	7,143.23	77.01	35.53	135.94	-1,005.63	1,215.70	3,498.23	3,417.89	80.34	43.544		
8,300.00	7,208.03	7,427.32	7,193.33	77.52	35.67	126.98	-1,004.83	1,215.25	3,516.12	3,435.44	80.69	43.578		
8,350.00	7,251.22	7,470.02	7,236.03	77.99	35.79	117.96	-1,004.00	1,214.74	3,530.56	3,449.57	80.99	43.595		
8,400.00	7,294.28	7,509.01	7,274.99	78.41	35.90	109.29	-1,003.18	1,214.14	3,541.57	3,460.31	81.25	43.586		
8,450.00	7,336.90	7,548.04	7,314.02	78.78	36.01	101.40	-1,002.32	1,213.42	3,549.12	3,467.61	81.51	43.541		
8,500.00	7,378.73	7,588.34	7,354.30	79.10	36.12	94.52	-1,001.54	1,212.78	3,553.18	3,471.42	81.76	43.457		
8,550.00	7,419.47	7,627.85	7,393.80	79.37	36.23	88.76	-1,000.93	1,212.35	3,553.75	3,471.75	82.00	43.339		
8,600.00	7,458.81	7,668.84	7,448.79	79.59	36.37	84.26	-1,000.45	1,212.43	3,550.79	3,468.48	82.31	43.141		
8,650.00	7,496.44	7,738.90	7,504.83	79.76	36.51	80.82	-1,000.58	1,213.75	3,544.23	3,461.61	82.62	42.900		
8,700.00	7,532.08	7,755.79	7,521.71	79.88	36.55	77.91	-1,000.64	1,214.10	3,534.40	3,451.74	82.66	42.758		
8,750.00	7,565.46	7,778.56	7,544.49	79.95	36.60	75.89	-1,000.75	1,214.54	3,521.48	3,438.75	82.73	42.568		
8,800.00	7,596.33	7,799.52	7,565.44	79.98	36.65	74.62	-1,000.84	1,214.85	3,505.57	3,422.80	82.77	42.356		
8,850.00	7,624.44	7,819.00	7,584.92	79.97	36.69	74.03	-1,000.93	1,215.04	3,486.81	3,404.03	82.78	42.121		
8,900.00	7,649.59	7,835.42	7,601.34	79.93	36.73	74.06	-1,001.01	1,215.14	3,465.34	3,382.58	82.77	41.868		
8,950.00	7,671.59	7,850.24	7,616.16	79.84	36.77	74.69	-1,001.09	1,215.20	3,441.33	3,358.60	82.74	41.594		
9,000.00	7,690.26	7,862.87	7,628.79	79.73	36.80	75.92	-1,001.18	1,215.23	3,414.95	3,332.27	82.68	41.301		
9,050.00	7,705.47	7,873.22	7,639.14	79.59	36.82	77.73	-1,001.25	1,215.23	3,386.38	3,303.77	82.62	40.989		
9,100.00	7,717.09	7,881.22	7,647.14	79.43	36.84	80.13	-1,001.32	1,215.22	3,355.82	3,273.29	82.54	40.658		
9,150.00	7,725.04	7,886.80	7,652.72	79.26	36.86	83.13	-1,001.36	1,215.21	3,323.48	3,241.04	82.45	40.311		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 0-4-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program:		122-MWD OWSG											Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,889.91	7,655.83	79.06	36.86	86.75	-1,001.39	1,215.20	3,289.57	3,207.22	82.35	39.946		
9,231.13	7,730.00	7,890.58	7,656.50	78.93	36.87	89.32	-1,001.40	1,215.20	3,267.76	3,185.48	82.29	39.711		
9,300.00	7,730.00	7,890.99	7,656.91	78.65	36.87	89.33	-1,001.40	1,215.20	3,219.36	3,137.21	82.15	39.189		
9,400.00	7,730.00	7,891.58	7,657.50	78.26	36.87	89.34	-1,001.40	1,215.20	3,150.42	3,068.47	81.95	38.444		
9,500.00	7,730.00	7,892.19	7,658.10	77.89	36.87	89.36	-1,001.41	1,215.19	3,083.19	3,001.44	81.75	37.714		
9,600.00	7,730.00	7,892.79	7,658.71	77.53	36.87	89.37	-1,001.42	1,215.19	3,017.78	2,936.21	81.56	36.999		
9,700.00	7,730.00	7,893.40	7,659.32	77.19	36.87	89.39	-1,001.42	1,215.19	2,954.30	2,872.92	81.38	36.302		
9,800.00	7,730.00	7,894.02	7,659.94	76.88	36.87	89.40	-1,001.43	1,215.19	2,892.88	2,811.67	81.21	35.622		
9,900.00	7,730.00	7,894.64	7,660.56	76.58	36.88	89.42	-1,001.43	1,215.19	2,833.67	2,752.61	81.05	34.961		
10,000.00	7,730.00	7,895.27	7,661.19	76.30	36.88	89.43	-1,001.44	1,215.18	2,776.79	2,695.88	80.91	34.318		
10,100.00	7,730.00	7,895.90	7,661.82	76.04	36.88	89.45	-1,001.44	1,215.18	2,722.40	2,641.61	80.79	33.695		
10,200.00	7,730.00	7,896.54	7,662.46	75.79	36.88	89.46	-1,001.45	1,215.18	2,670.65	2,589.95	80.70	33.093		
10,300.00	7,730.00	7,897.18	7,663.10	75.57	36.88	89.48	-1,001.46	1,215.18	2,621.69	2,541.06	80.63	32.514		
10,400.00	7,730.00	7,897.83	7,663.75	75.36	36.88	89.50	-1,001.46	1,215.17	2,575.68	2,495.09	80.60	31.957		
10,500.00	7,730.00	7,898.49	7,664.41	75.18	36.88	89.51	-1,001.47	1,215.17	2,532.79	2,452.20	80.60	31.426		
10,600.00	7,730.00	7,899.15	7,665.07	75.01	36.89	89.53	-1,001.47	1,215.17	2,493.18	2,412.55	80.63	30.920		
10,700.00	7,730.00	7,899.82	7,665.74	74.86	36.89	89.55	-1,001.48	1,215.16	2,456.99	2,376.29	80.71	30.443		
10,800.00	7,730.00	7,900.49	7,666.41	74.74	36.89	89.56	-1,001.49	1,215.16	2,424.40	2,343.57	80.82	29.996		
10,900.00	7,730.00	7,901.17	7,667.09	74.64	36.89	89.58	-1,001.49	1,215.16	2,395.54	2,314.55	80.98	29.581		
11,000.00	7,730.00	7,901.86	7,667.78	74.56	36.89	89.60	-1,001.50	1,215.15	2,370.54	2,289.36	81.18	29.201		
11,100.00	7,730.00	7,902.55	7,668.47	74.51	36.89	89.61	-1,001.51	1,215.15	2,349.55	2,268.13	81.42	28.857		
11,200.00	7,730.00	7,903.25	7,669.17	74.48	36.90	89.63	-1,001.51	1,215.15	2,332.65	2,250.95	81.70	28.553		
11,300.00	7,730.00	7,903.95	7,669.87	74.48	36.90	89.65	-1,001.52	1,215.14	2,319.94	2,237.94	82.01	28.290		
11,400.00	7,730.00	7,904.67	7,670.58	74.50	36.90	89.67	-1,001.53	1,215.14	2,311.49	2,229.15	82.34	28.071		
11,500.00	7,730.00	7,905.39	7,671.30	74.56	36.90	89.68	-1,001.53	1,215.14	2,307.36	2,224.65	82.71	27.898		
11,545.61	7,730.00	7,905.72	7,671.63	74.60	36.90	89.69	-1,001.54	1,215.13	2,306.90	2,224.02	82.88	27.833		
11,600.00	7,730.00	7,906.11	7,672.03	74.66	36.90	89.70	-1,001.54	1,215.13	2,307.55	2,224.46	83.09	27.772		
11,700.00	7,730.00	7,906.84	7,672.76	74.79	36.90	89.72	-1,001.55	1,215.13	2,312.06	2,228.58	83.48	27.695		
11,800.00	7,730.00	7,907.58	7,673.50	74.96	36.91	89.74	-1,001.55	1,215.12	2,320.89	2,237.00	83.89	27.667 SF		
11,900.00	7,730.00	7,908.33	7,674.25	75.17	36.91	89.76	-1,001.56	1,215.12	2,333.96	2,249.67	84.29	27.689		
12,000.00	7,730.00	7,909.08	7,675.00	75.43	36.91	89.78	-1,001.57	1,215.12	2,351.22	2,266.53	84.70	27.761		
12,100.00	7,730.00	7,909.84	7,675.76	75.73	36.91	89.80	-1,001.58	1,215.11	2,372.58	2,287.48	85.10	27.881		
12,200.00	7,730.00	7,914.00	7,679.92	76.09	36.92	89.90	-1,001.62	1,215.08	2,397.92	2,312.40	85.51	28.041		
12,300.00	7,730.00	7,914.00	7,679.92	76.51	36.92	89.90	-1,001.62	1,215.08	2,427.11	2,341.23	85.89	28.260		
12,400.00	7,730.00	7,914.00	7,679.92	76.97	36.92	89.90	-1,001.62	1,215.08	2,460.03	2,373.78	86.24	28.524		
12,500.00	7,730.00	7,914.00	7,679.92	77.50	36.92	89.90	-1,001.62	1,215.08	2,496.52	2,409.93	86.59	28.832		
12,600.00	7,730.00	7,914.00	7,679.92	78.09	36.92	89.90	-1,001.62	1,215.08	2,536.43	2,449.51	86.92	29.182		
12,700.00	7,730.00	7,914.66	7,680.58	78.74	36.92	89.92	-1,001.63	1,215.08	2,579.60	2,492.36	87.23	29.571		
12,800.00	7,730.00	7,915.61	7,681.53	79.45	36.93	89.94	-1,001.64	1,215.07	2,625.87	2,538.33	87.54	29.998		
12,900.00	7,730.00	7,916.59	7,682.50	80.22	36.93	89.96	-1,001.65	1,215.07	2,675.08	2,587.25	87.82	30.460		
13,000.00	7,730.00	7,917.58	7,683.49	81.05	36.93	89.99	-1,001.66	1,215.06	2,727.06	2,638.97	88.09	30.957		
13,100.00	7,730.00	7,918.58	7,684.50	81.94	36.93	90.01	-1,001.67	1,215.05	2,781.68	2,693.33	88.34	31.487		
13,200.00	7,730.00	7,919.61	7,685.53	82.87	36.93	90.04	-1,001.68	1,215.05	2,838.76	2,750.18	88.58	32.046		
13,300.00	7,730.00	7,920.65	7,686.57	83.86	36.94	90.06	-1,001.69	1,215.04	2,898.18	2,809.37	88.81	32.634		
13,400.00	7,730.00	7,921.72	7,687.63	84.90	36.94	90.09	-1,001.70	1,215.03	2,959.78	2,870.76	89.02	33.249		
13,500.00	7,730.00	7,922.80	7,688.72	85.97	36.94	90.12	-1,001.71	1,215.02	3,023.43	2,934.21	89.22	33.889		
13,600.00	7,730.00	7,923.91	7,689.82	87.09	36.95	90.14	-1,001.73	1,215.01	3,089.01	2,999.60	89.40	34.552		
13,700.00	7,730.00	7,925.03	7,690.95	88.25	36.95	90.17	-1,001.74	1,215.01	3,156.39	3,066.81	89.58	35.237		
13,800.00	7,730.00	7,926.18	7,692.10	89.44	36.95	90.20	-1,001.75	1,215.00	3,225.47	3,135.73	89.74	35.943		
13,900.00	7,730.00	7,927.35	7,693.27	90.66	36.95	90.23	-1,001.76	1,214.99	3,296.13	3,206.24	89.89	36.668		
14,000.00	7,730.00	7,928.55	7,694.46	91.92	36.96	90.26	-1,001.78	1,214.98	3,368.28	3,278.24	90.03	37.411		
14,100.00	7,730.00	7,929.76	7,695.68	93.20	36.96	90.29	-1,001.79	1,214.97	3,441.82	3,351.65	90.17	38.171		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 0-4-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,931.01	7,696.92	94.50	36.96	90.32	-1,001.81	1,214.96	3,516.67	3,426.37	90.30	38.946		
14,300.00	7,730.00	7,932.28	7,698.19	95.83	36.97	90.35	-1,001.82	1,214.95	3,592.74	3,502.32	90.42	39.736		
14,400.00	7,730.00	7,933.57	7,699.49	97.17	36.97	90.38	-1,001.84	1,214.94	3,669.96	3,579.43	90.53	40.540		
14,500.00	7,730.00	7,934.89	7,700.81	98.54	36.97	90.42	-1,001.85	1,214.93	3,748.25	3,657.62	90.63	41.357		
14,600.00	7,730.00	7,936.24	7,702.16	99.92	36.98	90.45	-1,001.87	1,214.92	3,827.56	3,736.83	90.73	42.185		
14,700.00	7,730.00	7,937.62	7,703.54	101.32	36.98	90.49	-1,001.89	1,214.90	3,907.82	3,816.99	90.83	43.025		
14,800.00	7,730.00	7,939.03	7,704.95	102.74	36.98	90.52	-1,001.91	1,214.89	3,988.96	3,898.05	90.91	43.876		
14,900.00	7,730.00	7,940.47	7,706.38	104.17	36.99	90.56	-1,001.92	1,214.88	4,070.95	3,979.95	91.00	44.736		
15,000.00	7,730.00	7,941.94	7,707.86	105.62	36.99	90.59	-1,001.94	1,214.86	4,153.72	4,062.65	91.08	45.606		
15,100.00	7,730.00	7,943.44	7,709.36	107.07	36.99	90.63	-1,001.96	1,214.85	4,237.24	4,146.09	91.15	46.485		
15,200.00	7,730.00	7,944.98	7,710.90	108.54	37.00	90.67	-1,001.98	1,214.84	4,321.46	4,230.23	91.23	47.371		
15,300.00	7,730.00	7,946.56	7,712.47	110.02	37.00	90.71	-1,002.00	1,214.82	4,406.34	4,315.04	91.29	48.265		
15,400.00	7,730.00	7,948.16	7,714.08	111.51	37.00	90.75	-1,002.03	1,214.81	4,491.83	4,400.47	91.36	49.167		
15,500.00	7,730.00	7,949.81	7,715.73	113.01	37.01	90.79	-1,002.05	1,214.79	4,577.92	4,486.50	91.42	50.074		
15,600.00	7,730.00	7,951.50	7,717.41	114.52	37.01	90.83	-1,002.07	1,214.77	4,664.56	4,573.08	91.48	50.989		
15,700.00	7,730.00	7,953.22	7,719.14	116.04	37.02	90.87	-1,002.10	1,214.76	4,751.73	4,660.19	91.54	51.909		
15,800.00	7,730.00	7,954.99	7,720.91	117.56	37.02	90.92	-1,002.12	1,214.74	4,839.39	4,747.79	91.60	52.835		
15,900.00	7,730.00	7,956.80	7,722.72	119.09	37.02	90.96	-1,002.15	1,214.72	4,927.52	4,835.87	91.65	53.765		
16,000.00	7,730.00	7,958.66	7,724.57	120.63	37.03	91.01	-1,002.17	1,214.70	5,016.09	4,924.39	91.70	54.701		
16,100.00	7,730.00	7,960.56	7,726.47	122.18	37.03	91.05	-1,002.20	1,214.68	5,105.09	5,013.34	91.75	55.641		
16,200.00	7,730.00	7,962.51	7,728.43	123.73	37.04	91.10	-1,002.23	1,214.66	5,194.48	5,102.68	91.80	56.586		
16,300.00	7,730.00	7,964.52	7,730.43	125.29	37.04	91.15	-1,002.26	1,214.64	5,284.26	5,192.41	91.85	57.534		
16,400.00	7,730.00	7,966.57	7,732.48	126.86	37.05	91.20	-1,002.29	1,214.61	5,374.39	5,282.50	91.89	58.486		
16,500.00	7,730.00	7,968.68	7,734.59	128.43	37.05	91.26	-1,002.32	1,214.59	5,464.87	5,372.94	91.94	59.442		
16,600.00	7,730.00	7,970.84	7,736.75	130.01	37.06	91.31	-1,002.36	1,214.56	5,555.68	5,463.70	91.98	60.401		
16,700.00	7,730.00	7,973.07	7,738.98	131.59	37.06	91.36	-1,002.39	1,214.54	5,646.79	5,554.77	92.02	61.362		
16,800.00	7,730.00	7,975.35	7,741.26	133.18	37.07	91.42	-1,002.43	1,214.51	5,738.20	5,646.14	92.07	62.327		
16,900.00	7,730.00	7,977.70	7,743.61	134.77	37.08	91.48	-1,002.47	1,214.48	5,829.89	5,737.79	92.11	63.294		
17,000.00	7,730.00	7,980.12	7,746.02	136.37	37.08	91.54	-1,002.51	1,214.45	5,921.85	5,829.70	92.15	64.264		
17,100.00	7,730.00	7,982.60	7,748.51	137.97	37.09	91.60	-1,002.55	1,214.42	6,014.07	5,921.88	92.19	65.236		
17,200.00	7,730.00	7,985.16	7,751.07	139.57	37.09	91.66	-1,002.59	1,214.39	6,106.53	6,014.30	92.23	66.210		
17,300.00	7,730.00	7,987.79	7,753.70	141.18	37.10	91.73	-1,002.64	1,214.35	6,199.22	6,106.95	92.27	67.187		
17,400.00	7,730.00	7,990.50	7,756.41	142.79	37.11	91.80	-1,002.68	1,214.32	6,292.14	6,199.83	92.31	68.164		
17,500.00	7,730.00	7,993.30	7,759.20	144.41	37.11	91.87	-1,002.73	1,214.28	6,385.27	6,292.92	92.35	69.144		
17,600.00	7,730.00	7,996.18	7,762.08	146.03	37.12	91.94	-1,002.79	1,214.24	6,478.60	6,386.22	92.39	70.125		
17,700.00	7,730.00	7,999.15	7,765.05	147.65	37.13	92.01	-1,002.84	1,214.20	6,572.13	6,479.71	92.43	71.107		
17,800.00	7,730.00	8,002.22	7,768.12	149.28	37.13	92.09	-1,002.90	1,214.15	6,665.85	6,573.38	92.46	72.091		
17,900.00	7,730.00	8,005.38	7,771.29	150.91	37.14	92.17	-1,002.96	1,214.11	6,759.74	6,667.24	92.50	73.076		
18,000.00	7,730.00	8,008.65	7,774.56	152.54	37.15	92.25	-1,003.02	1,214.06	6,853.81	6,761.27	92.54	74.062		
18,100.00	7,730.00	8,012.04	7,777.94	154.18	37.16	92.33	-1,003.09	1,214.01	6,948.04	6,855.46	92.58	75.048		
18,200.00	7,730.00	8,015.53	7,781.43	155.82	37.17	92.42	-1,003.16	1,213.95	7,042.43	6,949.81	92.62	76.036		
18,300.00	7,730.00	8,019.15	7,785.05	157.46	37.18	92.51	-1,003.23	1,213.89	7,136.97	7,044.31	92.66	77.024		
18,400.00	7,730.00	8,022.89	7,788.79	159.11	37.18	92.60	-1,003.30	1,213.83	7,231.66	7,138.96	92.70	78.013		
18,500.00	7,730.00	8,026.78	7,792.67	160.75	37.19	92.70	-1,003.39	1,213.77	7,326.49	7,233.75	92.74	79.002		
18,600.00	7,730.00	8,020.27	7,786.16	162.40	37.18	92.53	-1,003.24	1,213.89	7,421.46	7,328.70	92.76	80.004		
18,700.00	7,730.00	8,022.20	7,788.10	164.05	37.18	92.58	-1,003.28	1,213.86	7,516.55	7,423.75	92.80	80.997		
18,800.00	7,730.00	8,024.13	7,790.03	165.71	37.19	92.63	-1,003.31	1,213.84	7,611.77	7,518.94	92.84	81.990		
18,900.00	7,730.00	8,026.04	7,791.94	167.36	37.19	92.68	-1,003.35	1,213.81	7,707.11	7,614.24	92.88	82.984		
18,942.39	7,730.00	8,026.85	7,792.75	168.07	37.19	92.70	-1,003.37	1,213.80	7,747.56	7,654.67	92.89	83.405		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 14-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	134.28	-2,073.07	2,125.68	2,969.56					
100.00	100.00	62.69	62.69	0.13	0.10	134.28	-2,072.96	2,125.66	2,969.12	2,968.88	0.24	N/A		
200.00	200.00	166.61	166.60	0.49	0.36	134.27	-2,072.38	2,125.56	2,968.66	2,967.81	0.85	3,477.631		
300.00	300.00	265.55	265.55	0.85	0.72	134.27	-2,071.98	2,125.47	2,968.31	2,966.74	1.57	1,894.723		
400.00	400.00	372.88	372.88	1.21	1.10	134.27	-2,071.48	2,125.21	2,967.81	2,965.50	2.31	1,285.615		
500.00	500.00	611.96	611.80	1.57	1.95	134.33	-2,069.50	2,118.15	2,965.52	2,962.00	3.52	842.518		
600.00	600.00	732.01	731.40	1.93	2.39	134.48	-2,069.81	2,107.80	2,959.46	2,955.15	4.31	686.722		
700.00	700.00	820.80	819.69	2.29	2.73	134.63	-2,071.81	2,098.65	2,953.67	2,948.67	4.99	591.386		
800.00	800.00	897.25	895.58	2.64	3.02	134.79	-2,074.87	2,089.93	2,948.38	2,942.74	5.64	522.606		
900.00	899.98	965.02	962.70	3.00	3.29	75.49	-2,079.09	2,081.69	2,943.68	2,937.42	6.26	470.300		
1,000.00	999.84	1,030.73	1,027.62	3.35	3.55	75.84	-2,084.72	2,073.17	2,939.28	2,932.40	6.88	427.506		
1,100.00	1,099.45	1,082.43	1,078.55	3.71	3.76	76.17	-2,090.28	2,066.23	2,935.43	2,927.98	7.45	394.181		
1,200.00	1,198.70	1,139.00	1,134.18	4.08	4.00	76.55	-2,097.52	2,058.94	2,932.60	2,924.54	8.05	364.236		
1,300.00	1,297.47	1,176.00	1,170.50	4.47	4.16	76.83	-2,102.88	2,054.38	2,930.78	2,922.19	8.59	341.195		
1,400.00	1,395.62	1,233.00	1,226.36	4.87	4.40	77.27	-2,112.09	2,047.78	2,930.22	2,920.99	9.24	317.268		
1,414.57	1,409.86	1,233.00	1,226.36	4.94	4.40	77.27	-2,112.09	2,047.78	2,930.19	2,920.90	9.30	315.207		
1,500.00	1,493.06	1,262.00	1,254.72	5.31	4.53	77.49	-2,117.26	2,044.63	2,930.84	2,921.06	9.78	299.614		
1,600.00	1,589.64	1,312.52	1,304.04	5.77	4.75	77.89	-2,126.92	2,039.39	2,932.78	2,922.33	10.46	280.397		
1,700.00	1,685.27	1,360.05	1,350.32	6.28	4.96	78.28	-2,136.61	2,034.65	2,935.87	2,924.71	11.16	263.028		
1,800.00	1,779.82	1,402.89	1,391.90	6.83	5.15	78.62	-2,146.05	2,030.52	2,940.34	2,928.46	11.88	247.439		
1,900.00	1,873.17	1,433.00	1,421.04	7.43	5.29	78.83	-2,153.09	2,027.69	2,946.35	2,933.77	12.59	234.112		
2,000.00	1,965.21	1,478.88	1,465.29	8.08	5.51	79.20	-2,164.50	2,023.63	2,953.95	2,940.53	13.42	220.118		
2,100.00	2,055.84	1,527.00	1,511.51	8.79	5.74	79.59	-2,177.32	2,019.80	2,963.42	2,949.10	14.32	206.953		
2,200.00	2,144.94	1,527.00	1,511.51	9.56	5.74	79.37	-2,177.32	2,019.80	2,974.71	2,959.70	15.01	198.194		
2,300.00	2,232.39	1,580.07	1,562.27	10.39	6.01	79.79	-2,192.39	2,016.21	2,987.61	2,971.56	16.04	186.209		
2,400.00	2,318.11	1,622.00	1,602.22	11.30	6.22	80.06	-2,204.92	2,013.93	3,002.58	2,985.51	17.07	175.850		
2,504.60	2,405.78	1,663.65	1,641.84	12.31	6.43	80.28	-2,217.60	2,012.04	3,020.05	3,001.85	18.20	165.954		
2,600.00	2,484.79	1,723.66	1,699.00	13.28	6.74	81.11	-2,235.77	2,009.83	3,037.56	3,018.18	19.38	156.699		
2,700.00	2,567.60	1,830.61	1,801.19	14.32	7.30	82.57	-2,267.06	2,006.06	3,056.81	3,035.92	20.89	146.295		
2,800.00	2,650.41	1,881.12	1,849.53	15.37	7.56	83.24	-2,281.66	2,004.56	3,077.68	3,055.60	22.08	139.407		
2,900.00	2,733.23	1,965.86	1,930.67	16.44	8.01	84.36	-2,306.03	2,002.80	3,100.28	3,076.83	23.46	132.170		
3,000.00	2,816.04	2,044.59	2,006.31	17.52	8.43	85.38	-2,327.82	2,001.67	3,123.78	3,098.98	24.80	125.980		
3,100.00	2,898.85	2,110.58	2,069.72	18.60	8.78	86.23	-2,346.09	2,000.92	3,148.78	3,122.73	26.05	120.853		
3,200.00	2,981.67	2,182.88	2,139.06	19.69	9.18	87.15	-2,366.47	1,999.28	3,175.17	3,147.82	27.35	116.103		
3,300.00	3,064.48	2,227.14	2,181.43	20.79	9.42	87.72	-2,379.21	1,997.98	3,203.18	3,174.72	28.46	112.547		
3,400.00	3,147.30	2,282.00	2,233.84	21.90	9.73	88.42	-2,395.39	1,996.88	3,233.16	3,203.54	29.63	109.131		
3,500.00	3,230.11	2,376.59	2,324.46	23.00	10.26	89.58	-2,422.52	1,996.78	3,264.46	3,233.44	31.02	105.234		
3,600.00	3,312.92	2,425.03	2,370.95	24.12	10.53	90.16	-2,436.11	1,997.17	3,296.64	3,264.53	32.11	102.655		
3,700.00	3,395.74	2,476.07	2,419.79	25.23	10.81	90.78	-2,450.91	1,997.16	3,330.46	3,297.26	33.21	100.295		
3,800.00	3,478.55	2,565.04	2,504.91	26.35	11.32	91.85	-2,476.83	1,996.72	3,365.42	3,330.88	34.54	97.446		
3,900.00	3,561.36	2,626.41	2,563.68	27.47	11.67	92.56	-2,494.47	1,997.02	3,401.39	3,365.73	35.67	95.362		
4,000.00	3,644.18	2,846.00	2,774.77	28.59	12.90	95.10	-2,554.56	1,994.40	3,437.46	3,399.65	37.81	90.908		
4,100.00	3,726.99	2,899.73	2,826.54	29.72	13.21	95.74	-2,568.60	1,991.22	3,472.65	3,433.76	38.89	89.297		
4,200.00	3,809.81	2,945.33	2,870.44	30.85	13.47	96.27	-2,580.73	1,989.25	3,509.47	3,469.58	39.90	87.966		
4,300.00	3,892.62	3,007.17	2,930.00	31.98	13.82	96.97	-2,597.28	1,987.51	3,547.66	3,506.67	40.99	86.555		
4,400.00	3,975.43	3,086.78	3,006.72	33.11	14.27	97.85	-2,618.52	1,986.01	3,586.89	3,544.71	42.18	85.030		
4,500.00	4,058.25	3,155.48	3,072.87	34.24	14.67	98.61	-2,636.84	1,983.43	3,626.84	3,583.54	43.29	83.771		
4,600.00	4,141.06	3,204.06	3,119.55	35.37	14.95	99.15	-2,650.09	1,981.09	3,668.05	3,623.80	44.26	82.881		
4,700.00	4,223.87	3,277.55	3,190.06	36.50	15.38	99.97	-2,670.45	1,977.14	3,710.47	3,665.10	45.37	81.776		
4,800.00	4,306.69	3,353.59	3,263.10	37.64	15.83	100.80	-2,691.22	1,973.23	3,753.53	3,707.04	46.49	80.732		
4,900.00	4,389.50	3,412.00	3,319.24	38.77	16.17	101.42	-2,707.16	1,970.78	3,797.52	3,750.04	47.48	79.981		
5,000.00	4,472.32	3,461.95	3,367.21	39.91	16.46	101.94	-2,720.96	1,968.95	3,842.64	3,794.24	48.39	79.405		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 14-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	3,508.01	3,411.36	41.05	16.73	102.42	-2,733.97	1,967.35	3,888.98	3,839.72	49.26	78.944		
5,200.00	4,637.94	3,587.68	3,487.73	42.18	17.20	103.22	-2,756.58	1,965.15	3,936.20	3,885.84	50.36	78.160		
5,300.00	4,720.76	3,657.40	3,554.61	43.32	17.61	103.90	-2,776.23	1,963.99	3,984.03	3,932.66	51.38	77.544		
5,400.00	4,803.57	3,720.51	3,615.15	44.46	17.98	104.51	-2,794.06	1,963.37	4,032.61	3,980.27	52.34	77.049		
5,500.00	4,886.39	3,776.50	3,668.80	45.60	18.32	105.04	-2,810.05	1,962.53	4,082.04	4,028.81	53.23	76.681		
5,600.00	4,969.20	3,825.12	3,715.32	46.74	18.61	105.50	-2,824.14	1,961.32	4,132.40	4,078.33	54.06	76.434		
5,700.00	5,052.01	3,870.28	3,758.43	47.88	18.88	105.93	-2,837.46	1,959.48	4,183.78	4,128.93	54.85	76.271		
5,800.00	5,134.83	5,074.47	4,941.85	49.02	24.30	115.93	-3,030.42	1,931.38	4,218.21	4,155.93	62.28	67.730		
5,900.00	5,217.64	5,172.46	5,039.78	50.16	24.60	116.65	-3,033.61	1,930.23	4,250.54	4,187.18	63.36	67.082		
6,000.00	5,300.45	5,246.22	5,113.50	51.30	24.82	117.18	-3,035.86	1,929.41	4,283.27	4,218.92	64.35	66.565		
6,100.00	5,383.27	5,401.68	5,268.89	52.45	25.29	118.28	-3,040.36	1,928.32	4,316.73	4,251.10	65.63	65.778		
6,200.00	5,466.08	5,473.74	5,340.93	53.59	25.50	118.77	-3,041.59	1,928.44	4,349.34	4,282.75	66.59	65.316		
6,300.00	5,548.90	5,559.17	5,426.35	54.73	25.74	119.35	-3,043.17	1,928.68	4,382.54	4,314.95	67.59	64.837		
6,400.00	5,631.71	5,647.90	5,515.07	55.87	26.00	119.95	-3,044.67	1,928.88	4,416.10	4,347.50	68.60	64.373		
6,500.00	5,714.52	5,742.60	5,609.75	57.02	26.27	120.57	-3,046.09	1,928.99	4,449.98	4,380.35	69.62	63.914		
6,600.00	5,797.34	5,847.99	5,715.14	58.16	26.57	121.26	-3,047.26	1,929.18	4,483.99	4,413.31	70.68	63.443		
6,700.00	5,880.15	5,964.07	5,831.21	59.30	26.88	122.01	-3,047.82	1,929.56	4,517.92	4,446.17	71.75	62.964		
6,800.00	5,962.96	6,073.68	5,940.83	60.45	27.16	122.70	-3,047.47	1,929.43	4,551.65	4,478.87	72.78	62.536		
6,900.00	6,045.78	6,143.55	6,010.70	61.59	27.34	123.15	-3,047.14	1,929.03	4,585.78	4,512.11	73.67	62.247		
7,000.00	6,128.59	6,210.92	6,078.06	62.73	27.52	123.57	-3,047.02	1,928.47	4,620.58	4,546.04	74.54	61.985		
7,100.00	6,211.41	6,290.75	6,157.89	63.88	27.74	124.07	-3,047.10	1,927.87	4,656.04	4,580.59	75.45	61.710		
7,200.00	6,294.22	6,409.14	6,276.28	65.02	28.04	124.79	-3,046.93	1,927.77	4,691.66	4,615.17	76.48	61.342		
7,300.00	6,377.03	6,505.01	6,372.14	66.17	28.28	125.37	-3,046.10	1,927.64	4,727.05	4,649.62	77.43	61.053		
7,400.00	6,459.85	6,582.47	6,449.59	67.31	28.49	125.83	-3,045.28	1,926.76	4,762.84	4,684.54	78.30	60.832		
7,500.00	6,542.66	6,653.24	6,520.33	68.46	28.67	126.27	-3,044.49	1,925.00	4,799.18	4,720.05	79.13	60.650		
7,600.00	6,625.48	6,718.47	6,585.53	69.60	28.85	126.67	-3,043.86	1,922.89	4,836.18	4,756.25	79.93	60.502		
7,700.00	6,708.29	6,780.40	6,647.42	70.75	29.02	127.05	-3,043.44	1,920.64	4,873.89	4,793.17	80.72	60.381		
7,800.00	6,791.10	6,843.84	6,710.81	71.89	29.20	127.43	-3,043.27	1,918.27	4,912.32	4,830.82	81.50	60.275		
7,900.00	6,873.92	6,910.72	6,777.66	73.04	29.40	127.83	-3,043.39	1,916.24	4,951.40	4,869.11	82.29	60.172		
8,000.00	6,956.73	6,979.41	6,846.32	74.18	29.60	128.23	-3,043.75	1,914.30	4,991.07	4,907.99	83.08	60.076		
8,100.00	7,039.54	7,161.04	7,027.82	75.33	30.12	129.29	-3,043.04	1,907.44	5,030.80	4,946.52	84.28	59.692		
8,165.32	7,093.63	7,225.69	7,092.39	76.08	30.30	129.67	-3,041.69	1,904.66	5,055.98	4,971.13	84.85	59.588		
8,200.00	7,122.60	7,245.77	7,112.46	76.47	30.35	124.65	-3,041.34	1,903.94	5,068.52	4,983.42	85.10	59.557		
8,250.00	7,165.05	7,275.32	7,141.98	77.01	30.44	116.80	-3,040.93	1,903.03	5,083.38	4,997.90	85.48	59.467		
8,300.00	7,208.03	7,313.87	7,180.52	77.52	30.54	108.48	-3,040.55	1,902.16	5,094.33	5,008.42	85.90	59.303		
8,350.00	7,251.22	7,361.34	7,227.99	77.99	30.67	100.03	-3,040.22	1,901.66	5,101.19	5,014.83	86.36	59.067		
8,400.00	7,294.28	7,400.82	7,267.47	78.41	30.78	91.79	-3,040.04	1,901.69	5,103.93	5,017.14	86.79	58.806		
8,450.00	7,336.90	7,432.29	7,298.94	78.78	30.87	84.16	-3,039.94	1,901.64	5,102.64	5,015.46	87.18	58.528		
8,500.00	7,378.73	7,463.02	7,329.67	79.10	30.95	77.45	-3,039.87	1,901.46	5,097.35	5,009.80	87.56	58.217		
8,550.00	7,419.47	7,494.93	7,361.58	79.37	31.05	71.78	-3,039.83	1,901.14	5,088.11	5,000.18	87.92	57.870		
8,600.00	7,458.81	7,528.05	7,394.70	79.59	31.14	67.14	-3,039.82	1,900.78	5,074.95	4,986.67	88.28	57.487		
8,650.00	7,496.44	8,650.00	7,480.38	79.76	34.31	63.87	-3,039.62	1,900.28	5,057.84	4,965.62	92.22	54.845		
8,700.00	7,532.08	8,700.00	7,515.87	79.88	34.45	61.16	-3,039.41	1,900.30	5,036.78	4,944.18	92.60	54.394		
8,750.00	7,565.46	7,701.72	7,568.35	79.95	31.64	59.42	-3,038.96	1,900.76	5,011.95	4,922.40	89.55	55.967		
8,800.00	7,596.33	7,716.69	7,583.32	79.98	31.68	58.15	-3,038.89	1,900.94	4,983.90	4,894.14	89.77	55.520		
8,850.00	7,624.44	7,730.41	7,597.04	79.97	31.72	57.59	-3,038.87	1,901.10	4,952.78	4,862.83	89.96	55.056		
8,900.00	7,649.59	7,761.00	7,627.63	79.93	31.80	58.00	-3,038.96	1,901.44	4,918.87	4,828.66	90.21	54.529		
8,950.00	7,671.59	7,761.00	7,627.63	79.84	31.80	58.84	-3,038.96	1,901.44	4,882.18	4,791.88	90.31	54.061		
9,000.00	7,690.26	7,761.00	7,627.63	79.73	31.80	60.57	-3,038.96	1,901.44	4,843.15	4,752.75	90.39	53.578		
9,050.00	7,705.47	7,761.00	7,627.63	79.59	31.80	63.35	-3,038.96	1,901.44	4,802.00	4,711.53	90.47	53.079		
9,100.00	7,717.09	7,761.00	7,627.63	79.43	31.80	67.47	-3,038.96	1,901.44	4,759.01	4,668.48	90.53	52.568		
9,150.00	7,725.04	7,781.83	7,648.45	79.26	31.87	73.90	-3,039.14	1,901.65	4,714.37	4,623.69	90.68	51.987		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 14-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,784.32	7,650.95	79.06	31.87	82.25	-3,039.17	1,901.68	4,668.53	4,577.78	90.75	51.446		
9,231.13	7,730.00	7,784.89	7,651.52	78.93	31.88	88.85	-3,039.17	1,901.69	4,639.49	4,548.71	90.78	51.107		
9,300.00	7,730.00	7,785.30	7,651.93	78.65	31.88	88.86	-3,039.18	1,901.69	4,574.99	4,484.14	90.85	50.358		
9,400.00	7,730.00	7,785.91	7,652.54	78.26	31.88	88.88	-3,039.18	1,901.70	4,481.56	4,390.60	90.95	49.273		
9,500.00	7,730.00	7,786.53	7,653.16	77.89	31.88	88.90	-3,039.19	1,901.70	4,388.41	4,297.35	91.07	48.190		
9,600.00	7,730.00	7,787.17	7,653.80	77.53	31.88	88.93	-3,039.20	1,901.71	4,295.58	4,204.39	91.18	47.109		
9,700.00	7,730.00	7,787.82	7,654.45	77.19	31.89	88.95	-3,039.21	1,901.72	4,203.07	4,111.76	91.31	46.030		
9,800.00	7,730.00	7,788.49	7,655.12	76.88	31.89	88.97	-3,039.22	1,901.72	4,110.91	4,019.47	91.45	44.955		
9,900.00	7,730.00	7,789.17	7,655.80	76.58	31.89	89.00	-3,039.22	1,901.73	4,019.13	3,927.54	91.59	43.882		
10,000.00	7,730.00	7,789.87	7,656.50	76.30	31.89	89.02	-3,039.23	1,901.74	3,927.75	3,836.00	91.74	42.812		
10,100.00	7,730.00	7,790.59	7,657.21	76.04	31.89	89.05	-3,039.24	1,901.74	3,836.80	3,744.89	91.91	41.746		
10,200.00	7,730.00	7,791.32	7,657.95	75.79	31.90	89.07	-3,039.25	1,901.75	3,746.31	3,654.22	92.08	40.684		
10,300.00	7,730.00	7,792.07	7,658.70	75.57	31.90	89.10	-3,039.26	1,901.76	3,656.31	3,564.04	92.27	39.626		
10,400.00	7,730.00	7,792.84	7,659.47	75.36	31.90	89.13	-3,039.27	1,901.77	3,566.85	3,474.38	92.47	38.573		
10,500.00	7,730.00	7,793.63	7,660.26	75.18	31.90	89.16	-3,039.28	1,901.78	3,477.96	3,385.28	92.68	37.525		
10,600.00	7,730.00	7,794.44	7,661.07	75.01	31.91	89.19	-3,039.29	1,901.78	3,389.69	3,296.78	92.91	36.482		
10,700.00	7,730.00	7,795.27	7,661.90	74.86	31.91	89.22	-3,039.30	1,901.79	3,302.09	3,208.93	93.16	35.446		
10,800.00	7,730.00	7,796.13	7,662.75	74.74	31.91	89.25	-3,039.31	1,901.80	3,215.21	3,121.79	93.42	34.416		
10,900.00	7,730.00	7,797.00	7,663.63	74.64	31.91	89.28	-3,039.33	1,901.81	3,129.12	3,035.41	93.70	33.394		
11,000.00	7,730.00	7,797.90	7,664.53	74.56	31.92	89.31	-3,039.34	1,901.82	3,043.87	2,949.87	94.00	32.381		
11,100.00	7,730.00	7,798.82	7,665.45	74.51	31.92	89.34	-3,039.35	1,901.83	2,959.55	2,865.22	94.33	31.376		
11,200.00	7,730.00	7,799.77	7,666.40	74.48	31.92	89.37	-3,039.37	1,901.84	2,876.23	2,781.56	94.67	30.381		
11,300.00	7,730.00	7,800.75	7,667.38	74.48	31.93	89.41	-3,039.38	1,901.85	2,794.01	2,698.97	95.04	29.398		
11,400.00	7,730.00	7,801.76	7,668.38	74.50	31.93	89.45	-3,039.39	1,901.86	2,712.98	2,617.54	95.44	28.427		
11,500.00	7,730.00	7,802.79	7,669.41	74.56	31.93	89.48	-3,039.41	1,901.87	2,633.25	2,537.39	95.86	27.469		
11,600.00	7,730.00	7,803.85	7,670.48	74.66	31.93	89.52	-3,039.43	1,901.88	2,554.95	2,458.64	96.31	26.527		
11,700.00	7,730.00	7,804.95	7,671.57	74.79	31.94	89.56	-3,039.44	1,901.89	2,478.22	2,381.42	96.80	25.602		
11,800.00	7,730.00	7,806.08	7,672.70	74.96	31.94	89.60	-3,039.46	1,901.91	2,403.19	2,305.88	97.31	24.696		
11,900.00	7,730.00	7,807.24	7,673.87	75.17	31.95	89.64	-3,039.48	1,901.92	2,330.04	2,232.18	97.86	23.810		
12,000.00	7,730.00	7,808.44	7,675.07	75.43	31.95	89.68	-3,039.50	1,901.93	2,258.94	2,160.51	98.44	22.948		
12,100.00	7,730.00	7,809.68	7,676.31	75.73	31.95	89.73	-3,039.52	1,901.94	2,190.11	2,091.06	99.05	22.111		
12,200.00	7,730.00	7,810.96	7,677.58	76.09	31.96	89.77	-3,039.54	1,901.96	2,123.75	2,024.06	99.69	21.303		
12,300.00	7,730.00	7,812.28	7,678.91	76.51	31.96	89.82	-3,039.56	1,901.97	2,060.11	1,959.75	100.36	20.527		
12,400.00	7,730.00	7,813.65	7,680.27	76.97	31.96	89.87	-3,039.59	1,901.98	1,999.45	1,898.40	101.05	19.786		
12,500.00	7,730.00	7,815.06	7,681.68	77.50	31.97	89.92	-3,039.61	1,902.00	1,942.04	1,840.28	101.76	19.084		
12,600.00	7,730.00	7,816.52	7,683.14	78.09	31.97	89.97	-3,039.64	1,902.01	1,888.19	1,785.71	102.48	18.425		
12,700.00	7,730.00	7,818.03	7,684.65	78.74	31.98	90.02	-3,039.66	1,902.03	1,838.20	1,735.00	103.20	17.812		
12,800.00	7,730.00	7,819.60	7,686.22	79.45	31.98	90.08	-3,039.69	1,902.04	1,792.40	1,688.49	103.91	17.250		
12,900.00	7,730.00	7,821.22	7,687.84	80.22	31.99	90.14	-3,039.72	1,902.06	1,751.11	1,646.53	104.59	16.743		
13,000.00	7,730.00	7,822.90	7,689.52	81.05	31.99	90.20	-3,039.76	1,902.08	1,714.67	1,609.45	105.22	16.295		
13,100.00	7,730.00	7,824.65	7,691.27	81.94	32.00	90.26	-3,039.79	1,902.10	1,683.39	1,577.59	105.80	15.911		
13,200.00	7,730.00	7,826.46	7,693.08	82.87	32.00	90.32	-3,039.83	1,902.12	1,657.55	1,551.26	106.30	15.594		
13,300.00	7,730.00	7,828.35	7,694.97	83.86	32.01	90.39	-3,039.86	1,902.13	1,637.43	1,530.73	106.70	15.347		
13,400.00	7,730.00	7,830.31	7,696.93	84.90	32.02	90.46	-3,039.90	1,902.15	1,623.22	1,516.23	106.99	15.172		
13,500.00	7,730.00	7,832.35	7,698.97	85.97	32.02	90.53	-3,039.95	1,902.18	1,615.09	1,507.93	107.15	15.073		
13,581.73	7,730.00	7,834.08	7,700.70	86.89	32.03	90.59	-3,039.98	1,902.19	1,613.02	1,505.82	107.20	15.048	CC, ES, SF	
13,600.00	7,730.00	7,834.48	7,701.09	87.09	32.03	90.61	-3,039.99	1,902.20	1,613.12	1,505.93	107.19	15.049		
13,700.00	7,730.00	7,836.69	7,703.31	88.25	32.04	90.69	-3,040.04	1,902.22	1,617.35	1,510.25	107.10	15.101		
13,800.00	7,730.00	7,839.01	7,705.62	89.44	32.04	90.77	-3,040.09	1,902.24	1,627.71	1,520.83	106.88	15.229		
13,900.00	7,730.00	7,841.42	7,708.04	90.66	32.05	90.85	-3,040.15	1,902.27	1,644.10	1,537.56	106.54	15.431		
14,000.00	7,730.00	7,843.95	7,710.56	91.92	32.06	90.94	-3,040.21	1,902.30	1,666.34	1,560.24	106.10	15.705		
14,100.00	7,730.00	7,846.59	7,713.21	93.20	32.07	91.04	-3,040.27	1,902.32	1,694.19	1,588.62	105.57	16.048		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 14-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,849.36	7,715.98	94.50	32.07	91.14	-3,040.34	1,902.35	1,727.39	1,622.42	104.97	16.455		
14,300.00	7,730.00	7,852.27	7,718.88	95.83	32.08	91.24	-3,040.41	1,902.38	1,765.63	1,661.31	104.32	16.924		
14,400.00	7,730.00	7,855.32	7,721.93	97.17	32.09	91.35	-3,040.49	1,902.41	1,808.60	1,704.96	103.64	17.451		
14,500.00	7,730.00	7,858.53	7,725.14	98.54	32.10	91.46	-3,040.57	1,902.44	1,855.95	1,753.02	102.94	18.030		
14,600.00	7,730.00	7,861.91	7,728.52	99.92	32.11	91.58	-3,040.67	1,902.48	1,907.38	1,805.15	102.23	18.658		
14,700.00	7,730.00	7,865.47	7,732.08	101.32	32.12	91.71	-3,040.77	1,902.52	1,962.55	1,861.02	101.53	19.330		
14,800.00	7,730.00	7,869.23	7,735.84	102.74	32.14	91.84	-3,040.87	1,902.55	2,021.16	1,920.31	100.85	20.042		
14,900.00	7,730.00	7,873.21	7,739.81	104.17	32.15	91.98	-3,040.99	1,902.59	2,082.92	1,982.73	100.18	20.791		
15,000.00	7,730.00	7,870.93	7,737.53	105.62	32.14	91.90	-3,040.90	1,902.57	2,147.58	2,048.08	99.50	21.583		
15,100.00	7,730.00	7,873.58	7,740.19	107.07	32.15	92.00	-3,040.97	1,902.60	2,214.85	2,115.96	98.89	22.397		
15,200.00	7,730.00	7,876.26	7,742.86	108.54	32.16	92.09	-3,041.04	1,902.62	2,284.51	2,186.20	98.31	23.237		
15,300.00	7,730.00	7,878.94	7,745.54	110.02	32.17	92.19	-3,041.11	1,902.65	2,356.36	2,258.60	97.77	24.102		
15,400.00	7,730.00	7,881.64	7,748.24	111.51	32.18	92.28	-3,041.18	1,902.67	2,430.20	2,332.94	97.26	24.987		
15,500.00	7,730.00	7,884.36	7,750.96	113.01	32.19	92.38	-3,041.26	1,902.70	2,505.85	2,409.07	96.78	25.892		
15,600.00	7,730.00	7,887.09	7,753.69	114.52	32.20	92.47	-3,041.33	1,902.73	2,583.15	2,486.81	96.34	26.814		
15,700.00	7,730.00	7,889.83	7,756.43	116.04	32.20	92.57	-3,041.40	1,902.75	2,661.96	2,566.04	95.92	27.751		
15,800.00	7,730.00	7,892.59	7,759.19	117.56	32.21	92.67	-3,041.48	1,902.78	2,742.15	2,646.61	95.54	28.702		
15,900.00	7,730.00	7,895.37	7,761.96	119.09	32.22	92.77	-3,041.55	1,902.81	2,823.61	2,728.42	95.19	29.664		
16,000.00	7,730.00	7,898.16	7,764.75	120.63	32.23	92.87	-3,041.63	1,902.83	2,906.22	2,811.36	94.86	30.638		
16,100.00	7,730.00	7,900.96	7,767.55	122.18	32.24	92.97	-3,041.70	1,902.86	2,989.88	2,895.33	94.55	31.621		
16,200.00	7,730.00	7,903.78	7,770.37	123.73	32.25	93.07	-3,041.78	1,902.88	3,074.53	2,980.25	94.27	32.613		
16,300.00	7,730.00	7,906.61	7,773.20	125.29	32.26	93.17	-3,041.86	1,902.91	3,160.06	3,066.05	94.01	33.613		
16,400.00	7,730.00	7,909.46	7,776.05	126.86	32.27	93.27	-3,041.94	1,902.94	3,246.42	3,152.65	93.78	34.619		
16,500.00	7,730.00	7,912.33	7,778.92	128.43	32.28	93.37	-3,042.01	1,902.96	3,333.55	3,239.99	93.55	35.632		
16,600.00	7,730.00	7,915.21	7,781.80	130.01	32.29	93.47	-3,042.09	1,902.99	3,421.37	3,328.02	93.35	36.650		
16,700.00	7,730.00	7,918.11	7,784.69	131.59	32.30	93.57	-3,042.17	1,903.02	3,509.84	3,416.68	93.16	37.673		
16,800.00	7,730.00	7,921.02	7,787.61	133.18	32.31	93.68	-3,042.25	1,903.04	3,598.92	3,505.92	92.99	38.701		
16,900.00	7,730.00	7,923.95	7,790.53	134.77	32.31	93.78	-3,042.34	1,903.07	3,688.55	3,595.71	92.83	39.733		
17,000.00	7,730.00	7,926.90	7,793.48	136.37	32.32	93.89	-3,042.42	1,903.09	3,778.70	3,686.01	92.69	40.768		
17,100.00	7,730.00	7,929.86	7,796.44	137.97	32.33	93.99	-3,042.50	1,903.12	3,869.33	3,776.78	92.56	41.806		
17,200.00	7,730.00	7,932.84	7,799.42	139.57	32.34	94.10	-3,042.58	1,903.15	3,960.41	3,867.98	92.43	42.847		
17,300.00	7,730.00	7,935.84	7,802.41	141.18	32.35	94.20	-3,042.67	1,903.17	4,051.91	3,959.59	92.32	43.890		
17,400.00	7,730.00	7,938.85	7,805.42	142.79	32.36	94.31	-3,042.75	1,903.20	4,143.80	4,051.59	92.22	44.935		
17,500.00	7,730.00	7,941.88	7,808.45	144.41	32.37	94.41	-3,042.84	1,903.22	4,236.06	4,143.94	92.12	45.983		
17,600.00	7,730.00	7,944.92	7,811.50	146.03	32.38	94.52	-3,042.92	1,903.25	4,328.66	4,236.62	92.04	47.032		
17,700.00	7,730.00	7,947.99	7,814.56	147.65	32.39	94.63	-3,043.01	1,903.28	4,421.58	4,329.62	91.96	48.082		
17,800.00	7,730.00	7,951.07	7,817.64	149.28	32.40	94.74	-3,043.10	1,903.30	4,514.79	4,422.91	91.89	49.134		
17,900.00	7,730.00	7,954.17	7,820.74	150.91	32.41	94.85	-3,043.19	1,903.33	4,608.30	4,516.47	91.82	50.187		
18,000.00	7,730.00	7,957.29	7,823.85	152.54	32.42	94.96	-3,043.28	1,903.35	4,702.06	4,610.30	91.76	51.241		
18,100.00	7,730.00	7,960.42	7,826.99	154.18	32.43	95.07	-3,043.37	1,903.38	4,796.08	4,704.37	91.71	52.295		
18,200.00	7,730.00	7,963.57	7,830.14	155.82	32.44	95.18	-3,043.46	1,903.40	4,890.33	4,798.67	91.66	53.350		
18,300.00	7,730.00	7,966.13	7,832.69	157.46	32.45	95.27	-3,043.53	1,903.42	4,984.81	4,893.19	91.62	54.406		
18,400.00	7,730.00	7,969.20	7,835.77	159.11	32.46	95.38	-3,043.62	1,903.44	5,079.49	4,987.91	91.58	55.462		
18,500.00	7,730.00	7,972.30	7,838.86	160.75	32.47	95.49	-3,043.71	1,903.47	5,174.38	5,082.82	91.55	56.518		
18,600.00	7,730.00	7,975.42	7,841.98	162.40	32.48	95.60	-3,043.80	1,903.49	5,269.45	5,177.92	91.52	57.575		
18,700.00	7,730.00	7,978.55	7,845.11	164.05	32.49	95.71	-3,043.89	1,903.51	5,364.70	5,273.20	91.50	58.631		
18,800.00	7,730.00	7,981.70	7,848.26	165.71	32.50	95.82	-3,043.98	1,903.53	5,460.11	5,368.63	91.48	59.687		
18,900.00	7,730.00	7,984.88	7,851.43	167.36	32.51	95.93	-3,044.08	1,903.55	5,555.69	5,464.23	91.46	60.743		
18,942.39	7,730.00	7,986.23	7,852.79	168.07	32.52	95.98	-3,044.12	1,903.56	5,596.25	5,504.79	91.46	61.191		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 4-6-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	109.20	-1,475.37	4,236.97	4,486.76					
100.00	100.00	33.41	33.41	0.13	0.05	109.20	-1,475.36	4,237.04	4,486.60	4,486.41	0.19	N/A		
200.00	200.00	98.92	98.91	0.49	0.16	109.20	-1,475.29	4,237.61	4,487.37	4,486.72	0.65	6,916.164		
300.00	300.00	244.13	244.12	0.85	0.63	109.18	-1,474.80	4,239.05	4,488.28	4,486.80	1.48	3,034.101		
400.00	400.00	521.01	520.60	1.21	1.60	109.32	-1,483.60	4,230.84	4,486.62	4,483.81	2.81	1,595.936		
500.00	500.00	618.68	617.56	1.57	1.97	109.47	-1,492.77	4,223.43	4,482.58	4,479.04	3.54	1,266.227		
600.00	600.00	686.93	684.95	1.93	2.25	109.60	-1,501.99	4,217.85	4,479.31	4,475.13	4.17	1,072.932		
700.00	700.00	791.80	787.69	2.29	2.72	109.87	-1,520.40	4,207.88	4,476.22	4,471.22	5.00	895.962		
800.00	800.00	874.63	868.24	2.64	3.11	110.11	-1,537.60	4,199.14	4,473.34	4,467.59	5.75	778.078		
900.00	899.98	950.00	941.29	3.00	3.49	50.83	-1,554.39	4,191.23	4,469.99	4,463.51	6.48	689.683		
1,000.00	999.84	1,097.32	1,083.93	3.35	4.26	51.46	-1,587.60	4,175.31	4,464.57	4,456.97	7.60	587.330		
1,100.00	1,099.45	1,218.00	1,200.90	3.71	4.90	52.08	-1,613.62	4,160.99	4,455.73	4,447.13	8.59	518.416		
1,200.00	1,198.70	1,272.05	1,253.36	4.08	5.18	52.48	-1,625.13	4,154.86	4,445.40	4,436.15	9.24	480.868		
1,300.00	1,297.47	1,352.75	1,331.69	4.47	5.62	53.04	-1,642.51	4,146.31	4,433.92	4,423.87	10.05	441.212		
1,400.00	1,395.62	1,442.14	1,418.12	4.87	6.11	53.72	-1,662.93	4,136.14	4,420.50	4,409.57	10.93	404.562		
1,500.00	1,493.06	1,511.57	1,485.07	5.31	6.49	54.36	-1,679.56	4,128.27	4,405.82	4,394.10	11.72	375.849		
1,600.00	1,589.64	1,600.54	1,570.75	5.77	7.00	55.17	-1,701.27	4,118.12	4,389.69	4,377.03	12.66	346.770		
1,700.00	1,685.27	1,661.14	1,629.10	6.28	7.35	55.86	-1,716.16	4,111.37	4,372.37	4,358.90	13.46	324.730		
1,800.00	1,779.82	1,754.34	1,718.93	6.83	7.87	56.82	-1,738.92	4,101.38	4,353.98	4,339.49	14.49	300.495		
1,900.00	1,873.17	1,855.21	1,816.33	7.43	8.44	57.90	-1,762.72	4,090.41	4,333.91	4,318.31	15.59	277.936		
2,000.00	1,965.21	1,981.88	1,938.88	8.08	9.15	59.24	-1,791.47	4,076.24	4,312.18	4,295.30	16.88	255.455		
2,100.00	2,055.84	2,168.80	2,120.03	8.79	10.18	61.18	-1,831.46	4,053.33	4,288.50	4,269.97	18.54	231.372		
2,200.00	2,144.94	2,243.01	2,192.03	9.56	10.58	62.28	-1,846.43	4,043.42	4,262.46	4,242.83	19.63	217.161		
2,300.00	2,232.39	2,315.31	2,262.23	10.39	10.98	63.41	-1,860.86	4,033.90	4,235.73	4,214.96	20.77	203.932		
2,400.00	2,318.11	2,373.19	2,318.42	11.30	11.29	64.46	-1,872.47	4,026.32	4,208.51	4,186.61	21.90	192.170		
2,504.60	2,405.78	2,422.55	2,366.39	12.31	11.56	65.48	-1,882.38	4,020.15	4,179.95	4,156.85	23.09	180.996		
2,600.00	2,484.79	2,472.53	2,414.97	13.28	11.83	65.98	-1,892.45	4,014.19	4,154.54	4,130.28	24.26	171.253		
2,700.00	2,567.60	2,528.79	2,469.64	14.32	12.13	66.54	-1,903.99	4,007.54	4,129.19	4,103.66	25.53	161.726		
2,800.00	2,650.41	2,646.73	2,584.18	15.37	12.77	67.74	-1,928.02	3,992.95	4,104.54	4,077.37	27.17	151.057		
2,900.00	2,733.23	2,697.85	2,633.86	16.44	13.05	68.26	-1,938.24	3,986.59	4,080.90	4,052.43	28.47	143.344		
3,000.00	2,816.04	2,749.55	2,684.16	17.52	13.32	68.78	-1,948.52	3,980.47	4,058.72	4,028.93	29.79	136.262		
3,100.00	2,898.85	2,802.07	2,735.33	18.60	13.60	69.32	-1,958.80	3,974.63	4,037.99	4,006.86	31.12	129.751		
3,200.00	2,981.67	2,872.59	2,804.13	19.69	13.97	70.03	-1,972.40	3,967.20	4,018.61	3,986.05	32.56	123.406		
3,300.00	3,064.48	2,951.34	2,880.98	20.79	14.38	70.83	-1,987.41	3,958.85	4,000.29	3,966.22	34.06	117.434		
3,400.00	3,147.30	3,030.18	2,957.95	21.90	14.79	71.63	-2,002.27	3,950.41	3,983.00	3,947.42	35.58	111.956		
3,500.00	3,230.11	3,081.97	3,008.38	23.00	15.07	72.17	-2,012.52	3,944.63	3,967.06	3,930.10	36.96	107.337		
3,600.00	3,312.92	3,136.87	3,061.73	24.12	15.36	72.75	-2,023.82	3,938.33	3,952.59	3,914.22	38.37	103.014		
3,700.00	3,395.74	3,190.26	3,113.54	25.23	15.65	73.31	-2,035.15	3,932.16	3,939.65	3,899.88	39.78	99.038		
3,800.00	3,478.55	3,245.61	3,167.26	26.35	15.95	73.89	-2,046.97	3,925.98	3,928.28	3,887.08	41.20	95.346		
3,900.00	3,561.36	3,301.93	3,222.07	27.47	16.26	74.48	-2,058.63	3,920.31	3,918.43	3,875.80	42.62	91.928		
4,000.00	3,644.18	3,356.25	3,275.00	28.59	16.54	75.05	-2,069.73	3,915.28	3,910.12	3,866.09	44.03	88.806		
4,100.00	3,726.99	3,431.59	3,348.43	29.72	16.94	75.83	-2,085.15	3,908.53	3,903.26	3,857.70	45.56	85.672		
4,200.00	3,809.81	3,518.96	3,433.46	30.85	17.41	76.75	-2,103.31	3,899.91	3,897.41	3,850.24	47.16	82.635		
4,300.00	3,892.62	3,620.55	3,532.21	31.98	17.95	77.82	-2,124.52	3,888.94	3,892.51	3,843.66	48.85	79.689		
4,400.00	3,975.43	3,744.27	3,652.93	33.11	18.60	79.12	-2,148.20	3,875.87	3,888.08	3,837.43	50.65	76.767		
4,500.00	4,058.25	3,830.25	3,737.19	34.24	19.01	80.01	-2,163.08	3,867.45	3,884.28	3,832.08	52.20	74.418		
4,600.00	4,141.06	3,915.49	3,821.05	35.37	19.42	80.87	-2,176.57	3,860.25	3,881.49	3,827.76	53.73	72.243		
4,700.00	4,223.87	4,119.55	4,023.07	36.50	20.29	82.85	-2,201.66	3,846.79	3,878.89	3,823.13	55.76	69.570		
4,800.00	4,306.69	4,263.07	4,166.05	37.64	20.80	84.17	-2,212.16	3,840.25	3,874.99	3,817.59	57.40	67.514		
4,900.00	4,389.50	4,386.49	4,289.31	38.77	21.19	85.26	-2,217.35	3,836.85	3,870.91	3,811.99	58.91	65.706		
5,000.00	4,472.32	4,498.55	4,401.32	39.91	21.52	86.23	-2,220.09	3,834.82	3,867.04	3,806.67	60.36	64.065		
5,100.00	4,555.13	4,613.01	4,515.76	41.05	21.85	87.20	-2,221.11	3,833.66	3,863.35	3,801.54	61.81	62.504		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,723.76	4,626.51	42.18	22.14	88.13	-2,220.93	3,832.70	3,859.85	3,796.64	63.21	61.063		
5,300.00	4,720.76	4,824.57	4,727.31	43.32	22.39	88.97	-2,220.01	3,831.79	3,856.63	3,792.06	64.58	59.723		
5,400.00	4,803.57	4,914.20	4,816.93	44.46	22.61	89.72	-2,218.98	3,830.87	3,854.02	3,788.11	65.91	58.475		
5,500.00	4,886.39	5,000.47	4,903.19	45.60	22.83	90.44	-2,217.94	3,829.70	3,852.05	3,784.82	67.24	57.291		
5,600.00	4,969.20	5,067.45	4,970.16	46.74	23.01	91.01	-2,217.32	3,828.77	3,851.09	3,782.57	68.52	56.202		
5,632.23	4,995.89	5,089.01	4,991.72	47.11	23.07	91.19	-2,217.18	3,828.47	3,851.03	3,782.10	68.93	55.865		
5,700.00	5,052.01	5,134.31	5,037.01	47.88	23.20	91.57	-2,216.98	3,827.88	3,851.30	3,781.50	69.80	55.177		
5,800.00	5,134.83	5,201.05	5,103.74	49.02	23.38	92.14	-2,216.92	3,827.06	3,852.68	3,781.61	71.07	54.212		
5,900.00	5,217.64	5,267.91	5,170.60	50.16	23.56	92.70	-2,217.13	3,826.29	3,855.23	3,782.90	72.32	53.305		
6,000.00	5,300.45	5,344.30	5,246.98	51.30	23.78	93.35	-2,217.57	3,825.47	3,858.84	3,785.23	73.61	52.425		
6,100.00	5,383.27	5,425.86	5,328.54	52.45	24.02	94.04	-2,218.11	3,824.63	3,863.37	3,788.47	74.90	51.583		
6,200.00	5,466.08	5,523.52	5,426.19	53.59	24.31	94.86	-2,218.61	3,823.58	3,868.62	3,792.40	76.22	50.755		
6,300.00	5,548.90	5,616.48	5,519.15	54.73	24.58	95.65	-2,218.71	3,822.45	3,874.33	3,796.81	77.52	49.978		
6,400.00	5,631.71	5,705.48	5,608.14	55.87	24.83	96.39	-2,218.62	3,821.38	3,880.72	3,801.93	78.80	49.250		
6,500.00	5,714.52	5,778.79	5,681.45	57.02	25.04	97.01	-2,218.50	3,820.49	3,887.89	3,807.88	80.02	48.588		
6,600.00	5,797.34	5,864.57	5,767.22	58.16	25.29	97.72	-2,218.73	3,819.38	3,896.19	3,814.93	81.26	47.945		
6,700.00	5,880.15	5,989.44	5,892.07	59.30	25.65	98.76	-2,217.81	3,817.57	3,904.40	3,821.79	82.60	47.268		
6,800.00	5,962.96	6,067.96	5,970.57	60.45	25.86	99.41	-2,216.92	3,816.41	3,913.18	3,829.38	83.80	46.698		
6,900.00	6,045.78	6,144.07	6,046.68	61.59	26.08	100.04	-2,216.21	3,815.40	3,922.95	3,837.98	84.97	46.166		
7,000.00	6,128.59	6,229.76	6,132.36	62.73	26.32	100.74	-2,215.39	3,814.33	3,933.51	3,847.34	86.17	45.650		
7,100.00	6,211.41	6,314.25	6,216.83	63.88	26.56	101.43	-2,214.59	3,813.04	3,944.80	3,857.45	87.34	45.164		
7,200.00	6,294.22	6,389.59	6,292.15	65.02	26.78	102.05	-2,213.98	3,811.74	3,956.93	3,868.44	88.48	44.719		
7,300.00	6,377.03	6,469.88	6,372.43	66.17	27.01	102.71	-2,213.46	3,810.24	3,969.93	3,880.30	89.63	44.294		
7,400.00	6,459.85	6,539.91	6,442.45	67.31	27.22	103.28	-2,213.09	3,808.91	3,983.81	3,893.08	90.73	43.910		
7,500.00	6,542.66	6,608.45	6,510.98	68.46	27.43	103.83	-2,212.95	3,807.88	3,998.78	3,906.97	91.81	43.556		
7,600.00	6,625.48	6,687.87	6,590.39	69.60	27.67	104.47	-2,212.85	3,806.95	4,014.65	3,921.74	92.91	43.210		
7,700.00	6,708.29	6,755.38	6,657.90	70.75	27.88	105.00	-2,212.91	3,806.26	4,031.44	3,937.48	93.96	42.906		
7,800.00	6,791.10	6,827.24	6,729.76	71.89	28.10	105.57	-2,213.20	3,805.53	4,049.22	3,954.21	95.01	42.619		
7,900.00	6,873.92	6,901.14	6,803.65	73.04	28.33	106.16	-2,213.69	3,804.65	4,067.90	3,971.85	96.05	42.351		
8,000.00	6,956.73	6,975.36	6,877.86	74.18	28.57	106.74	-2,214.36	3,803.63	4,087.45	3,990.37	97.08	42.103		
8,100.00	7,039.54	7,049.51	6,951.99	75.33	28.81	107.33	-2,215.21	3,802.34	4,107.87	4,009.77	98.10	41.875		
8,165.32	7,093.63	7,105.03	7,007.50	76.08	28.99	107.77	-2,215.93	3,801.14	4,121.64	4,022.86	98.78	41.725		
8,200.00	7,122.60	7,136.05	7,038.51	76.47	29.09	103.28	-2,216.32	3,800.38	4,128.03	4,028.88	99.15	41.636		
8,250.00	7,165.05	7,176.55	7,078.98	77.01	29.23	96.01	-2,216.83	3,799.29	4,133.76	4,034.11	99.65	41.481		
8,300.00	7,208.03	7,213.64	7,116.06	77.52	29.35	88.01	-2,217.34	3,798.26	4,135.39	4,035.25	100.14	41.296		
8,350.00	7,251.22	7,250.96	7,153.36	77.99	29.47	79.69	-2,217.90	3,797.19	4,132.93	4,032.31	100.62	41.077		
8,400.00	7,294.28	7,289.82	7,192.19	78.41	29.60	71.50	-2,218.54	3,796.03	4,126.36	4,025.28	101.08	40.823		
8,450.00	7,336.90	7,328.29	7,230.64	78.78	29.73	63.81	-2,219.20	3,794.85	4,115.72	4,014.20	101.52	40.541		
8,500.00	7,378.73	7,366.10	7,268.43	79.10	29.86	56.88	-2,219.89	3,793.64	4,101.07	3,999.13	101.93	40.233		
8,550.00	7,419.47	7,402.98	7,305.28	79.37	29.99	50.81	-2,220.60	3,792.43	4,082.50	3,980.19	102.32	39.901		
8,600.00	7,458.81	7,425.09	7,327.28	79.59	30.68	47.05	-2,219.68	3,786.98	4,059.19	3,955.89	103.30	39.295		
8,650.00	7,496.44	7,458.77	7,360.94	79.76	30.77	42.64	-2,218.73	3,786.74	4,031.47	3,927.85	103.62	38.907		
8,700.00	7,532.08	7,488.94	7,391.11	79.88	30.85	38.88	-2,217.91	3,786.52	4,000.36	3,896.47	103.90	38.503		
8,750.00	7,565.46	7,517.15	7,419.30	79.95	30.93	35.66	-2,217.18	3,786.33	3,966.09	3,861.94	104.14	38.083		
8,800.00	7,596.33	7,546.62	7,448.76	79.98	31.02	32.89	-2,216.43	3,786.15	3,928.86	3,824.50	104.37	37.645		
8,850.00	7,624.44	7,573.91	7,476.05	79.97	31.09	30.42	-2,215.73	3,786.06	3,888.93	3,784.37	104.56	37.194		
8,900.00	7,649.59	7,598.20	7,500.33	79.93	31.16	28.12	-2,215.10	3,786.03	3,846.58	3,741.86	104.72	36.732		
8,950.00	7,671.59	7,619.28	7,521.40	79.84	31.22	25.81	-2,214.55	3,786.04	3,802.11	3,697.26	104.85	36.263		
9,000.00	7,690.26	7,636.34	7,538.45	79.73	31.27	23.19	-2,214.11	3,786.07	3,755.86	3,650.91	104.95	35.788		
9,050.00	7,705.47	7,650.07	7,552.18	79.59	31.30	19.68	-2,213.75	3,786.10	3,708.15	3,603.14	105.02	35.310		
9,100.00	7,717.09	7,660.26	7,562.36	79.43	31.33	13.60	-2,213.49	3,786.12	3,659.35	3,554.29	105.06	34.831		
9,150.00	7,725.04	7,666.82	7,568.92	79.26	31.35	-2.11	-2,213.32	3,786.14	3,609.83	3,504.75	105.08	34.353		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 4-6-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,869.70	7,771.81	79.06	31.36	-66.26	-2,213.24	3,786.15	3,559.95	3,454.87	105.08	33.879		
9,231.13	7,730.00	7,869.63	7,771.73	78.93	31.36	-108.69	-2,213.24	3,786.14	3,528.88	3,423.81	105.07	33.587		
9,300.00	7,730.00	7,867.87	7,769.97	78.65	31.35	-108.35	-2,213.29	3,786.14	3,460.24	3,355.20	105.03	32.944		
9,400.00	7,730.00	7,865.31	7,767.42	78.26	31.35	-107.86	-2,213.35	3,786.13	3,360.58	3,255.60	104.98	32.010		
9,500.00	7,730.00	7,862.76	7,764.86	77.89	31.34	-107.36	-2,213.42	3,786.13	3,260.94	3,156.01	104.93	31.077		
9,600.00	7,730.00	7,860.20	7,762.31	77.53	31.33	-106.87	-2,213.49	3,786.12	3,161.32	3,056.45	104.88	30.143		
9,700.00	7,730.00	7,857.64	7,759.75	77.19	31.32	-106.36	-2,213.55	3,786.11	3,061.73	2,956.91	104.82	29.210		
9,800.00	7,730.00	7,855.08	7,757.19	76.88	31.32	-105.86	-2,213.62	3,786.11	2,962.16	2,857.40	104.76	28.276		
9,900.00	7,730.00	7,852.52	7,754.63	76.58	31.31	-105.35	-2,213.69	3,786.10	2,862.62	2,757.92	104.69	27.343		
10,000.00	7,730.00	7,849.96	7,752.07	76.30	31.30	-104.84	-2,213.75	3,786.09	2,763.11	2,658.48	104.63	26.410		
10,100.00	7,730.00	7,847.39	7,749.50	76.04	31.30	-104.33	-2,213.82	3,786.09	2,663.63	2,559.08	104.55	25.477		
10,200.00	7,730.00	7,844.83	7,746.94	75.79	31.29	-103.81	-2,213.89	3,786.08	2,564.19	2,459.72	104.47	24.544		
10,300.00	7,730.00	7,842.26	7,744.37	75.57	31.28	-103.30	-2,213.95	3,786.08	2,464.79	2,360.41	104.39	23.612		
10,400.00	7,730.00	7,839.69	7,741.80	75.36	31.27	-102.78	-2,214.02	3,786.07	2,365.45	2,261.15	104.30	22.680		
10,500.00	7,730.00	7,837.12	7,739.23	75.18	31.27	-102.25	-2,214.09	3,786.07	2,266.15	2,161.95	104.20	21.748		
10,600.00	7,730.00	7,834.55	7,736.66	75.01	31.26	-101.73	-2,214.16	3,786.06	2,166.92	2,062.83	104.09	20.817		
10,700.00	7,730.00	7,831.97	7,734.09	74.86	31.25	-101.20	-2,214.22	3,786.06	2,067.76	1,963.79	103.97	19.887		
10,800.00	7,730.00	7,829.40	7,731.52	74.74	31.25	-100.67	-2,214.29	3,786.05	1,968.68	1,864.84	103.84	18.958		
10,900.00	7,730.00	7,826.82	7,728.94	74.64	31.24	-100.14	-2,214.36	3,786.05	1,869.69	1,766.00	103.70	18.030		
11,000.00	7,730.00	7,824.30	7,726.42	74.56	31.23	-99.61	-2,214.42	3,786.05	1,770.82	1,667.28	103.54	17.103		
11,100.00	7,730.00	7,821.70	7,723.82	74.51	31.23	-99.07	-2,214.49	3,786.04	1,672.07	1,568.72	103.36	16.178		
11,200.00	7,730.00	7,819.10	7,721.22	74.48	31.22	-98.53	-2,214.56	3,786.04	1,573.48	1,470.33	103.15	15.254		
11,300.00	7,730.00	7,816.50	7,718.62	74.48	31.21	-97.99	-2,214.63	3,786.04	1,475.08	1,372.16	102.92	14.332		
11,400.00	7,730.00	7,813.91	7,716.03	74.50	31.20	-97.44	-2,214.69	3,786.03	1,376.90	1,274.25	102.65	13.414		
11,500.00	7,730.00	7,811.33	7,713.45	74.56	31.20	-96.90	-2,214.76	3,786.03	1,278.99	1,176.66	102.33	12.498		
11,600.00	7,730.00	7,808.75	7,710.87	74.66	31.19	-96.36	-2,214.83	3,786.03	1,181.43	1,079.47	101.96	11.587		
11,700.00	7,730.00	7,806.17	7,708.30	74.79	31.18	-95.81	-2,214.90	3,786.03	1,084.31	982.79	101.52	10.681		
11,800.00	7,730.00	7,803.60	7,705.73	74.96	31.17	-95.27	-2,214.96	3,786.03	987.76	886.77	100.99	9.781		
11,900.00	7,730.00	7,801.03	7,703.16	75.17	31.17	-94.73	-2,215.03	3,786.03	891.96	791.63	100.32	8.891		
12,000.00	7,730.00	7,798.47	7,700.60	75.43	31.16	-94.18	-2,215.10	3,786.03	797.18	697.69	99.49	8.012		
12,100.00	7,730.00	7,795.92	7,698.04	75.73	31.15	-93.64	-2,215.16	3,786.03	703.84	605.41	98.43	7.151		
12,200.00	7,730.00	7,793.36	7,695.49	76.09	31.15	-93.09	-2,215.23	3,786.03	612.60	515.56	97.03	6.313		
12,300.00	7,730.00	7,790.82	7,692.95	76.51	31.14	-92.55	-2,215.30	3,786.03	524.54	429.35	95.19	5.511		
12,400.00	7,730.00	7,788.27	7,690.41	76.97	31.13	-92.01	-2,215.36	3,786.03	441.59	348.81	92.78	4.760		
12,500.00	7,730.00	7,785.74	7,687.87	77.50	31.12	-91.47	-2,215.43	3,786.04	367.21	277.25	89.96	4.082		
12,600.00	7,730.00	7,783.20	7,685.34	78.09	31.12	-90.93	-2,215.49	3,786.04	307.69	219.67	88.02	3.496		
12,700.00	7,730.00	7,780.67	7,682.81	78.74	31.11	-90.39	-2,215.56	3,786.05	272.93	182.59	90.33	3.021		
12,750.98	7,730.00	7,779.39	7,681.52	79.10	31.11	-90.11	-2,215.59	3,786.05	268.13	174.40	93.73	2.861 CC, ES		
12,800.00	7,730.00	7,778.15	7,680.29	79.45	31.10	-89.85	-2,215.62	3,786.05	272.57	174.92	97.64	2.791 SF		
12,900.00	7,730.00	7,775.63	7,677.77	80.22	31.10	-89.31	-2,215.69	3,786.05	306.73	202.24	104.49	2.935		
13,000.00	7,730.00	7,773.12	7,675.25	81.05	31.09	-88.77	-2,215.75	3,786.06	365.87	257.69	108.18	3.382		
13,100.00	7,730.00	7,770.61	7,672.74	81.94	31.08	-88.24	-2,215.82	3,786.07	440.03	330.33	109.70	4.011		
13,200.00	7,730.00	7,768.10	7,670.24	82.87	31.08	-87.70	-2,215.88	3,786.07	522.86	412.66	110.20	4.745		
13,300.00	7,730.00	7,765.60	7,667.74	83.86	31.07	-87.17	-2,215.95	3,786.08	610.83	500.58	110.25	5.540		
13,400.00	7,730.00	7,763.10	7,665.24	84.90	31.06	-86.64	-2,216.01	3,786.09	702.03	591.90	110.13	6.375		
13,500.00	7,730.00	7,760.61	7,662.75	85.97	31.05	-86.11	-2,216.07	3,786.10	795.33	685.39	109.94	7.234		
13,600.00	7,730.00	7,758.12	7,660.27	87.09	31.05	-85.58	-2,216.14	3,786.11	890.09	780.35	109.74	8.111		
13,700.00	7,730.00	7,755.64	7,657.78	88.25	31.04	-85.05	-2,216.20	3,786.12	985.87	876.33	109.54	9.000		
13,800.00	7,730.00	7,753.16	7,655.31	89.44	31.03	-84.53	-2,216.27	3,786.13	1,082.41	973.06	109.36	9.898		
13,900.00	7,730.00	7,750.69	7,652.83	90.66	31.03	-84.01	-2,216.33	3,786.14	1,179.53	1,070.34	109.19	10.803		
14,000.00	7,730.00	7,748.22	7,650.37	91.92	31.02	-83.48	-2,216.39	3,786.15	1,277.08	1,168.05	109.03	11.713		
14,100.00	7,730.00	7,745.76	7,647.90	93.20	31.01	-82.97	-2,216.45	3,786.16	1,374.98	1,266.09	108.89	12.627		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 4-6-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,743.30	7,645.44	94.50	31.01	-82.45	-2,216.52	3,786.17	1,473.16	1,364.39	108.77	13.544		
14,300.00	7,730.00	7,740.84	7,642.99	95.83	31.00	-81.93	-2,216.58	3,786.18	1,571.56	1,462.91	108.65	14.464		
14,400.00	7,730.00	7,738.39	7,640.54	97.17	30.99	-81.42	-2,216.64	3,786.19	1,670.15	1,561.60	108.55	15.386		
14,500.00	7,730.00	7,735.94	7,638.09	98.54	30.99	-80.91	-2,216.70	3,786.21	1,768.90	1,660.44	108.46	16.310		
14,600.00	7,730.00	7,733.50	7,635.65	99.92	30.98	-80.41	-2,216.77	3,786.22	1,867.77	1,759.40	108.37	17.235		
14,700.00	7,730.00	7,732.26	7,634.41	101.32	30.98	-80.15	-2,216.80	3,786.22	1,966.75	1,858.46	108.29	18.161		
14,800.00	7,730.00	7,729.58	7,631.73	102.74	30.97	-79.60	-2,216.87	3,786.24	2,065.84	1,957.61	108.23	19.088		
14,900.00	7,730.00	7,726.88	7,629.03	104.17	30.96	-79.04	-2,216.94	3,786.26	2,165.00	2,056.83	108.16	20.016		
15,000.00	7,730.00	7,724.15	7,626.30	105.62	30.95	-78.48	-2,217.00	3,786.28	2,264.23	2,156.12	108.11	20.944		
15,100.00	7,730.00	7,721.40	7,623.56	107.07	30.95	-77.92	-2,217.07	3,786.30	2,363.53	2,255.47	108.06	21.873		
15,200.00	7,730.00	7,718.63	7,620.79	108.54	30.94	-77.36	-2,217.14	3,786.32	2,462.88	2,354.87	108.01	22.802		
15,300.00	7,730.00	7,715.84	7,618.00	110.02	30.93	-76.79	-2,217.21	3,786.33	2,562.27	2,454.30	107.97	23.731		
15,400.00	7,730.00	7,713.03	7,615.18	111.51	30.92	-76.22	-2,217.29	3,786.35	2,661.71	2,553.78	107.93	24.661		
15,500.00	7,730.00	7,710.19	7,612.34	113.01	30.91	-75.65	-2,217.36	3,786.37	2,761.19	2,653.29	107.90	25.591		
15,600.00	7,730.00	7,707.33	7,609.48	114.52	30.91	-75.08	-2,217.43	3,786.39	2,860.70	2,752.84	107.87	26.521		
15,700.00	7,730.00	7,704.44	7,606.60	116.04	30.90	-74.51	-2,217.51	3,786.41	2,960.24	2,852.41	107.84	27.451		
15,800.00	7,730.00	7,701.53	7,603.69	117.56	30.89	-73.94	-2,217.58	3,786.43	3,059.81	2,952.00	107.81	28.381		
15,900.00	7,730.00	7,698.60	7,600.76	119.09	30.88	-73.36	-2,217.66	3,786.45	3,159.41	3,051.62	107.79	29.311		
16,000.00	7,730.00	7,695.64	7,597.80	120.63	30.87	-72.79	-2,217.74	3,786.47	3,259.02	3,151.26	107.77	30.241		
16,100.00	7,730.00	7,692.66	7,594.82	122.18	30.87	-72.21	-2,217.81	3,786.49	3,358.66	3,250.91	107.75	31.171		
16,200.00	7,730.00	7,689.65	7,591.81	123.73	30.86	-71.63	-2,217.89	3,786.52	3,458.32	3,350.59	107.73	32.101		
16,300.00	7,730.00	7,686.61	7,588.78	125.29	30.85	-71.05	-2,217.97	3,786.54	3,557.99	3,450.27	107.72	33.031		
16,400.00	7,730.00	7,683.56	7,585.72	126.86	30.84	-70.47	-2,218.06	3,786.56	3,657.68	3,549.97	107.70	33.960		
16,500.00	7,730.00	7,680.47	7,582.64	128.43	30.83	-69.89	-2,218.14	3,786.58	3,757.38	3,649.69	107.69	34.889		
16,600.00	7,730.00	7,677.36	7,579.53	130.01	30.82	-69.31	-2,218.22	3,786.60	3,857.10	3,749.41	107.68	35.819		
16,700.00	7,730.00	7,674.22	7,576.39	131.59	30.81	-68.73	-2,218.31	3,786.62	3,956.83	3,849.15	107.68	36.747		
16,800.00	7,730.00	7,671.05	7,573.23	133.18	30.80	-68.15	-2,218.39	3,786.65	4,056.57	3,948.90	107.67	37.676		
16,900.00	7,730.00	7,667.86	7,570.03	134.77	30.80	-67.56	-2,218.48	3,786.67	4,156.32	4,048.65	107.66	38.604		
17,000.00	7,730.00	7,664.64	7,566.81	136.37	30.79	-66.98	-2,218.57	3,786.69	4,256.08	4,148.42	107.66	39.532		
17,100.00	7,730.00	7,661.39	7,563.56	137.97	30.78	-66.40	-2,218.66	3,786.72	4,355.84	4,248.19	107.66	40.460		
17,200.00	7,730.00	7,658.11	7,560.29	139.57	30.77	-65.82	-2,218.75	3,786.74	4,455.62	4,347.97	107.66	41.388		
17,300.00	7,730.00	7,654.80	7,556.98	141.18	30.76	-65.24	-2,218.84	3,786.76	4,555.41	4,447.75	107.66	42.315		
17,400.00	7,730.00	7,651.46	7,553.64	142.79	30.75	-64.66	-2,218.93	3,786.79	4,655.20	4,547.54	107.66	43.241		
17,500.00	7,730.00	7,648.10	7,550.28	144.41	30.74	-64.07	-2,219.02	3,786.81	4,755.00	4,647.34	107.66	44.168		
17,600.00	7,730.00	7,644.70	7,546.88	146.03	30.73	-63.49	-2,219.12	3,786.84	4,854.80	4,747.14	107.66	45.094		
17,700.00	7,730.00	7,641.27	7,543.46	147.65	30.72	-62.91	-2,219.22	3,786.86	4,954.61	4,846.95	107.66	46.019		
17,800.00	7,730.00	7,637.81	7,540.00	149.28	30.71	-62.34	-2,219.31	3,786.89	5,054.43	4,946.76	107.67	46.945		
17,900.00	7,730.00	7,634.32	7,536.51	150.91	30.70	-61.76	-2,219.41	3,786.91	5,154.25	5,046.58	107.67	47.869		
18,000.00	7,730.00	7,630.80	7,532.99	152.54	30.69	-61.18	-2,219.51	3,786.94	5,254.08	5,146.40	107.68	48.794		
18,100.00	7,730.00	7,628.00	7,530.19	154.18	30.68	-60.73	-2,219.59	3,786.96	5,353.91	5,246.22	107.69	49.718		
18,200.00	7,730.00	7,628.00	7,530.19	155.82	30.68	-60.73	-2,219.59	3,786.96	5,453.75	5,346.05	107.69	50.641		
18,300.00	7,730.00	7,628.00	7,530.19	157.46	30.68	-60.73	-2,219.59	3,786.96	5,553.59	5,445.89	107.70	51.563		
18,400.00	7,730.00	7,628.00	7,530.19	159.11	30.68	-60.73	-2,219.59	3,786.96	5,653.44	5,545.72	107.71	52.485		
18,500.00	7,730.00	7,628.00	7,530.19	160.75	30.68	-60.73	-2,219.59	3,786.96	5,753.29	5,645.57	107.73	53.407		
18,600.00	7,730.00	7,628.00	7,530.19	162.40	30.68	-60.73	-2,219.59	3,786.96	5,853.15	5,745.41	107.74	54.328		
18,700.00	7,730.00	7,628.00	7,530.19	164.05	30.68	-60.73	-2,219.59	3,786.96	5,953.01	5,845.26	107.75	55.248		
18,800.00	7,730.00	7,628.00	7,530.19	165.71	30.68	-60.73	-2,219.59	3,786.96	6,052.88	5,945.12	107.76	56.168		
18,900.00	7,730.00	7,628.00	7,530.19	167.36	30.68	-60.73	-2,219.59	3,786.96	6,152.75	6,044.97	107.78	57.087		
18,942.39	7,730.00	7,628.00	7,530.19	168.07	30.68	-60.73	-2,219.59	3,786.96	6,195.09	6,087.31	107.79	57.476		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	123.85	-3,056.33	4,556.48	5,486.78					
100.00	100.00	48.99	48.99	0.13	0.08	123.85	-3,056.41	4,556.45	5,486.61	5,486.40	0.21	N/A		
200.00	200.00	149.94	149.94	0.49	0.35	123.86	-3,057.00	4,556.21	5,486.74	5,485.89	0.85	6,483.938		
300.00	300.00	207.77	207.76	0.85	0.56	123.86	-3,057.37	4,556.12	5,487.07	5,485.66	1.41	3,890.238		
400.00	400.00	246.00	245.99	1.21	0.69	123.86	-3,057.72	4,556.54	5,488.47	5,486.57	1.90	2,882.105		
500.00	500.00	273.00	272.98	1.57	0.79	123.86	-3,058.02	4,557.11	5,491.03	5,488.68	2.36	2,328.339		
600.00	600.00	316.42	316.38	1.93	0.94	123.86	-3,058.57	4,558.59	5,494.73	5,491.86	2.87	1,915.127		
700.00	700.00	364.00	363.88	2.29	1.11	123.85	-3,059.23	4,561.12	5,499.71	5,496.32	3.39	1,621.179		
800.00	800.00	364.00	363.88	2.64	1.11	123.85	-3,059.23	4,561.12	5,505.89	5,502.14	3.75	1,468.081		
900.00	899.98	405.45	405.21	3.00	1.27	64.14	-3,059.95	4,564.16	5,512.53	5,508.28	4.25	1,297.303		
1,000.00	999.84	455.00	454.51	3.35	1.45	64.03	-3,061.14	4,568.97	5,519.25	5,514.48	4.77	1,156.690		
1,100.00	1,099.45	455.00	454.51	3.71	1.45	63.92	-3,061.14	4,568.97	5,525.40	5,520.28	5.12	1,078.740		
1,200.00	1,198.70	779.10	775.27	4.08	2.71	63.97	-3,055.27	4,604.85	5,526.97	5,520.28	6.68	826.880		
1,300.00	1,297.47	824.00	819.44	4.47	2.88	63.97	-3,054.99	4,612.65	5,530.49	5,523.27	7.22	765.571		
1,400.00	1,395.62	824.00	819.44	4.87	2.88	63.97	-3,054.99	4,612.65	5,530.83	5,523.21	7.61	726.367		
1,500.00	1,493.06	824.00	819.44	5.31	2.88	63.96	-3,054.99	4,612.65	5,531.44	5,523.41	8.03	689.211		
1,600.00	1,589.64	824.00	819.44	5.77	2.88	63.94	-3,054.99	4,612.65	5,532.32	5,523.86	8.46	653.688		
1,700.00	1,685.27	824.00	819.44	6.28	2.88	63.92	-3,054.99	4,612.65	5,533.48	5,524.55	8.93	619.521		
1,800.00	1,779.82	824.00	819.44	6.83	2.88	63.90	-3,054.99	4,612.65	5,534.91	5,525.48	9.44	586.547		
1,900.00	1,873.17	824.00	819.44	7.43	2.88	63.86	-3,054.99	4,612.65	5,536.62	5,526.63	9.98	554.687		
2,000.00	1,965.21	824.00	819.44	8.08	2.88	63.83	-3,054.99	4,612.65	5,538.59	5,528.02	10.57	523.931		
2,100.00	2,055.84	824.00	819.44	8.79	2.88	63.79	-3,054.99	4,612.65	5,540.82	5,529.61	11.21	494.305		
2,200.00	2,144.94	866.75	860.99	9.56	3.09	63.90	-3,057.31	4,622.42	5,542.87	5,530.79	12.07	459.107		
2,300.00	2,232.39	919.00	911.53	10.39	3.35	64.06	-3,060.02	4,635.39	5,544.70	5,531.66	13.04	425.207		
2,400.00	2,318.11	919.00	911.53	11.30	3.35	64.03	-3,060.02	4,635.39	5,546.13	5,532.29	13.84	400.704		
2,504.60	2,405.78	958.76	949.78	12.31	3.56	64.17	-3,062.19	4,646.00	5,547.43	5,532.50	14.93	371.672		
2,600.00	2,484.79	1,013.00	1,001.65	13.28	3.85	64.40	-3,065.64	4,661.48	5,549.47	5,533.43	16.03	346.110		
2,700.00	2,567.60	1,013.00	1,001.65	14.32	3.85	64.40	-3,065.64	4,661.48	5,552.40	5,535.44	16.96	327.452		
2,800.00	2,650.41	1,013.00	1,001.65	15.37	3.85	64.40	-3,065.64	4,661.48	5,557.13	5,539.24	17.89	310.637		
2,900.00	2,733.23	1,060.50	1,046.76	16.44	4.14	64.60	-3,069.29	4,675.90	5,562.92	5,543.85	19.06	291.805		
3,000.00	2,816.04	1,107.00	1,090.64	17.52	4.42	64.80	-3,073.58	4,690.70	5,570.39	5,550.15	20.25	275.124		
3,100.00	2,898.85	1,107.00	1,090.64	18.60	4.42	64.80	-3,073.58	4,690.70	5,578.95	5,557.75	21.20	263.170		
3,200.00	2,981.67	1,159.61	1,139.99	19.69	4.76	65.02	-3,078.74	4,708.20	5,588.80	5,566.36	22.44	249.100		
3,300.00	3,064.48	1,214.00	1,190.73	20.79	5.12	65.24	-3,083.84	4,727.09	5,599.68	5,575.99	23.69	236.384		
3,400.00	3,147.30	1,275.27	1,247.73	21.90	5.55	65.48	-3,089.63	4,748.79	5,611.39	5,586.39	25.00	224.487		
3,500.00	3,230.11	1,364.75	1,330.97	23.00	6.19	65.84	-3,098.40	4,780.45	5,623.60	5,597.12	26.48	212.368		
3,600.00	3,312.92	1,462.42	1,421.70	24.12	6.90	66.22	-3,107.19	4,815.51	5,635.96	5,607.93	28.03	201.042		
3,700.00	3,395.74	1,531.81	1,486.07	25.23	7.41	66.49	-3,113.09	4,840.75	5,648.65	5,619.22	29.43	191.925		
3,800.00	3,478.55	1,591.00	1,540.83	26.35	7.86	66.71	-3,118.33	4,862.60	5,662.15	5,631.37	30.77	183.990		
3,900.00	3,561.36	1,668.06	1,612.00	27.47	8.45	67.01	-3,125.32	4,891.30	5,676.29	5,644.05	32.24	176.058		
4,000.00	3,644.18	1,811.34	1,744.57	28.59	9.56	67.54	-3,137.62	4,944.23	5,690.04	5,655.88	34.15	166.604		
4,100.00	3,726.99	1,874.00	1,802.53	29.72	10.04	67.78	-3,143.07	4,967.41	5,704.19	5,668.64	35.55	160.468		
4,200.00	3,809.81	2,100.02	2,012.46	30.85	11.77	68.64	-3,163.22	5,048.68	5,718.52	5,680.49	38.03	150.382		
4,300.00	3,892.62	2,158.00	2,066.63	31.98	12.20	68.86	-3,167.87	5,068.80	5,731.23	5,691.82	39.41	145.441		
4,400.00	3,975.43	2,211.34	2,116.31	33.11	12.61	69.06	-3,172.16	5,087.75	5,744.77	5,704.01	40.76	140.932		
4,500.00	4,058.25	2,252.00	2,153.97	34.24	12.93	69.21	-3,175.57	5,102.70	5,759.50	5,717.46	42.03	137.028		
4,600.00	4,141.06	2,381.32	2,273.81	35.37	13.94	69.68	-3,186.45	5,150.06	5,774.36	5,730.43	43.93	131.451		
4,700.00	4,223.87	2,471.02	2,356.93	36.50	14.63	70.01	-3,193.95	5,182.93	5,789.47	5,743.92	45.55	127.094		
4,800.00	4,306.69	2,564.38	2,443.66	37.64	15.36	70.35	-3,201.79	5,216.59	5,804.41	5,757.20	47.21	122.946		
4,900.00	4,389.50	2,607.34	2,483.45	38.77	15.70	70.51	-3,205.53	5,232.34	5,820.22	5,771.71	48.51	119.977		
5,000.00	4,472.32	2,659.53	2,531.60	39.91	16.12	70.70	-3,210.21	5,251.92	5,836.99	5,787.11	49.88	117.021		
5,100.00	4,555.13	2,724.00	2,590.91	41.05	16.64	70.92	-3,216.02	5,276.53	5,854.48	5,803.14	51.34	114.025		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	2,807.32	2,667.43	42.18	17.33	71.21	-3,223.62	5,308.60	5,872.47	5,819.51	52.96	110.889		
5,300.00	4,720.76	2,943.94	2,793.23	43.32	18.44	71.69	-3,235.93	5,360.47	5,890.17	5,835.18	54.99	107.117		
5,400.00	4,803.57	3,010.12	2,854.21	44.46	18.97	71.93	-3,242.05	5,385.41	5,908.12	5,851.64	56.48	104.610		
5,500.00	4,886.39	3,084.40	2,922.56	45.60	19.58	72.19	-3,249.04	5,413.67	5,926.62	5,868.58	58.03	102.122		
5,600.00	4,969.20	3,143.45	2,976.74	46.74	20.07	72.39	-3,254.55	5,436.47	5,945.68	5,886.20	59.48	99.968		
5,700.00	5,052.01	5,700.00	3,073.77	47.88	41.55	72.74	-3,264.24	5,478.17	5,965.27	5,889.04	76.23	78.251		
5,800.00	5,134.83	3,357.47	3,172.75	49.02	21.86	73.10	-3,273.61	5,520.25	5,984.43	5,921.27	63.16	94.752		
5,900.00	5,217.64	3,481.00	3,286.37	50.16	22.88	73.52	-3,285.31	5,567.33	6,003.87	5,938.73	65.14	92.175		
6,000.00	5,300.45	3,581.05	3,378.55	51.30	23.69	73.86	-3,294.46	5,605.10	6,022.98	5,956.06	66.92	89.998		
6,100.00	5,383.27	3,609.24	3,404.43	52.45	23.93	73.96	-3,297.03	5,616.00	6,042.75	5,974.62	68.13	88.698		
6,200.00	5,466.08	3,668.00	3,458.03	53.59	24.43	74.15	-3,302.72	5,639.37	6,063.75	5,994.17	69.58	87.145		
6,300.00	5,548.90	3,826.33	3,602.98	54.73	25.76	74.66	-3,317.37	5,701.35	6,084.45	6,012.56	71.90	84.629		
6,400.00	5,631.71	3,923.89	3,692.88	55.87	26.56	74.99	-3,326.99	5,738.00	6,104.72	6,031.04	73.68	82.855		
6,500.00	5,714.52	4,043.72	3,803.41	57.02	27.53	75.39	-3,338.50	5,782.83	6,124.91	6,049.25	75.66	80.958		
6,600.00	5,797.34	4,184.49	3,933.35	58.16	28.67	75.85	-3,351.02	5,835.49	6,144.79	6,066.97	77.82	78.965		
6,700.00	5,880.15	4,276.91	4,018.89	59.30	29.40	76.16	-3,358.80	5,869.64	6,164.17	6,084.60	79.57	77.469		
6,800.00	5,962.96	4,332.75	4,070.53	60.45	29.85	76.34	-3,363.87	5,890.25	6,184.22	6,103.20	81.01	76.335		
6,900.00	6,045.78	6,366.65	6,042.61	61.59	39.72	84.79	-3,455.95	6,276.15	6,198.20	6,105.81	92.39	67.086		
7,000.00	6,128.59	6,449.85	6,125.81	62.73	39.86	85.22	-3,455.49	6,275.79	6,191.48	6,097.57	93.91	65.932		
7,100.00	6,211.41	6,535.56	6,211.52	63.88	40.02	85.67	-3,455.00	6,275.43	6,185.26	6,089.83	95.42	64.818		
7,200.00	6,294.22	6,624.54	6,300.50	65.02	40.18	86.13	-3,454.33	6,275.14	6,179.45	6,082.50	96.95	63.740		
7,300.00	6,377.03	6,705.56	6,381.51	66.17	40.33	86.55	-3,453.68	6,274.87	6,174.11	6,075.65	98.46	62.709		
7,400.00	6,459.85	6,776.07	6,452.02	67.31	40.47	86.91	-3,453.05	6,274.89	6,169.39	6,069.44	99.95	61.724		
7,500.00	6,542.66	6,834.32	6,510.26	68.46	40.59	87.21	-3,452.49	6,275.26	6,165.40	6,063.97	101.42	60.788		
7,600.00	6,625.48	6,893.76	6,569.70	69.60	40.72	87.51	-3,451.92	6,276.11	6,162.26	6,059.36	102.90	59.887		
7,700.00	6,708.29	6,968.35	6,644.27	70.75	40.89	87.89	-3,451.18	6,277.56	6,159.82	6,055.42	104.40	59.002		
7,800.00	6,791.10	7,093.53	6,769.41	71.89	41.17	88.52	-3,449.64	6,279.89	6,157.66	6,051.66	106.00	58.092		
7,900.00	6,873.92	7,198.72	6,874.58	73.04	41.40	89.05	-3,447.88	6,281.41	6,155.45	6,047.90	107.55	57.233		
8,000.00	6,956.73	7,288.87	6,964.71	74.18	41.60	89.51	-3,446.37	6,282.57	6,153.66	6,044.59	109.07	56.420		
8,100.00	7,039.54	7,375.72	7,051.54	75.33	41.79	89.95	-3,444.89	6,283.24	6,152.11	6,041.54	110.57	55.640		
8,165.32	7,093.63	7,405.86	7,081.68	76.08	41.85	90.10	-3,444.57	6,283.34	6,151.53	6,040.04	111.49	55.173		
8,200.00	7,122.60	7,421.92	7,097.74	76.47	41.88	85.32	-3,444.47	6,283.36	6,150.46	6,038.48	111.98	54.926		
8,250.00	7,165.05	7,448.00	7,123.82	77.01	41.93	77.58	-3,444.43	6,283.35	6,145.81	6,033.16	112.65	54.556		
8,300.00	7,208.03	7,530.61	7,206.43	77.52	42.09	69.29	-3,444.26	6,283.04	6,137.32	6,023.93	113.38	54.129		
8,350.00	7,251.22	7,628.09	7,303.90	77.99	42.28	60.59	-3,443.45	6,282.17	6,124.72	6,010.63	114.09	53.682		
8,400.00	7,294.28	7,750.72	7,426.49	78.41	42.52	51.92	-3,440.96	6,280.62	6,107.83	5,993.05	114.78	53.213		
8,450.00	7,336.90	7,788.25	7,464.01	78.78	42.60	43.21	-3,439.97	6,280.17	6,087.27	5,971.98	115.29	52.801		
8,500.00	7,378.73	7,825.03	7,500.78	79.10	42.67	35.04	-3,439.02	6,279.76	6,063.31	5,947.58	115.73	52.391		
8,550.00	7,419.47	7,823.00	7,498.75	79.37	42.67	27.34	-3,439.07	6,279.78	6,036.26	5,920.20	116.06	52.010		
8,600.00	7,458.81	7,823.00	7,498.75	79.59	42.67	20.22	-3,439.07	6,279.78	6,006.38	5,890.06	116.32	51.635		
8,650.00	7,496.44	7,856.38	7,532.12	79.76	42.74	13.56	-3,438.40	6,279.56	5,973.54	5,856.96	116.58	51.238		
8,700.00	7,532.08	7,866.41	7,542.15	79.88	42.76	7.04	-3,438.27	6,279.56	5,938.37	5,821.63	116.74	50.868		
8,750.00	7,565.46	7,875.87	7,551.61	79.95	42.78	0.46	-3,438.18	6,279.58	5,900.96	5,784.12	116.84	50.506		
8,800.00	7,596.33	7,884.69	7,560.43	79.98	42.80	-6.41	-3,438.12	6,279.62	5,861.55	5,744.68	116.87	50.153		
8,850.00	7,624.44	7,918.00	7,593.74	79.97	42.87	-13.95	-3,438.14	6,279.95	5,820.61	5,703.72	116.90	49.792		
8,900.00	7,649.59	7,918.00	7,593.74	79.93	42.87	-22.24	-3,438.14	6,279.95	5,777.97	5,661.16	116.81	49.466		
8,950.00	7,671.59	7,918.00	7,593.74	79.84	42.87	-31.49	-3,438.14	6,279.95	5,734.25	5,617.58	116.66	49.152		
9,000.00	7,690.26	7,918.00	7,593.74	79.73	42.87	-41.71	-3,438.14	6,279.95	5,689.75	5,573.28	116.47	48.852		
9,050.00	7,705.47	7,918.00	7,593.74	79.59	42.87	-52.61	-3,438.14	6,279.95	5,644.81	5,528.58	116.23	48.565		
9,100.00	7,717.09	7,924.07	7,599.81	79.43	42.89	-63.73	-3,438.18	6,280.04	5,599.76	5,483.79	115.97	48.287		
9,150.00	7,725.04	7,930.74	7,606.47	79.26	42.91	-74.25	-3,438.22	6,280.14	5,554.93	5,439.26	115.67	48.025		
9,200.00	7,729.27	7,934.39	7,610.13	79.06	42.91	-83.50	-3,438.24	6,280.20	5,510.69	5,395.36	115.33	47.783		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	7,935.13	7,610.87	78.93	42.92	-88.49	-3,438.25	6,280.21	5,483.59	5,368.50	115.10	47.643		
9,300.00	7,730.00	7,935.46	7,611.20	78.65	42.92	-88.49	-3,438.25	6,280.22	5,424.25	5,309.68	114.57	47.345		
9,400.00	7,730.00	7,935.94	7,611.68	78.26	42.92	-88.50	-3,438.25	6,280.23	5,338.49	5,224.71	113.78	46.919		
9,500.00	7,730.00	7,936.42	7,612.15	77.89	42.92	-88.51	-3,438.25	6,280.23	5,253.23	5,140.26	112.97	46.500		
9,600.00	7,730.00	7,936.90	7,612.63	77.53	42.92	-88.52	-3,438.26	6,280.24	5,168.50	5,056.36	112.14	46.089		
9,700.00	7,730.00	7,937.38	7,613.11	77.19	42.92	-88.53	-3,438.26	6,280.25	5,084.32	4,973.04	111.29	45.686		
9,800.00	7,730.00	7,937.86	7,613.59	76.88	42.92	-88.54	-3,438.26	6,280.26	5,000.73	4,890.32	110.41	45.292		
9,900.00	7,730.00	7,938.33	7,614.07	76.58	42.92	-88.55	-3,438.27	6,280.26	4,917.75	4,808.24	109.51	44.907		
10,000.00	7,730.00	7,938.81	7,614.54	76.30	42.93	-88.56	-3,438.27	6,280.27	4,835.41	4,726.83	108.58	44.532		
10,100.00	7,730.00	7,939.29	7,615.02	76.04	42.93	-88.57	-3,438.27	6,280.28	4,753.75	4,646.12	107.63	44.166		
10,200.00	7,730.00	7,939.76	7,615.50	75.79	42.93	-88.58	-3,438.27	6,280.29	4,672.81	4,566.14	106.66	43.809		
10,300.00	7,730.00	7,940.24	7,615.97	75.57	42.93	-88.59	-3,438.28	6,280.30	4,592.61	4,486.94	105.67	43.463		
10,400.00	7,730.00	7,940.72	7,616.45	75.36	42.93	-88.60	-3,438.28	6,280.30	4,513.21	4,408.55	104.65	43.126		
10,500.00	7,730.00	7,941.19	7,616.92	75.18	42.93	-88.61	-3,438.28	6,280.31	4,434.63	4,331.02	103.62	42.799		
10,600.00	7,730.00	7,941.67	7,617.40	75.01	42.93	-88.62	-3,438.29	6,280.32	4,356.94	4,254.38	102.56	42.482		
10,700.00	7,730.00	7,942.14	7,617.87	74.86	42.93	-88.63	-3,438.29	6,280.33	4,280.17	4,178.68	101.49	42.174		
10,800.00	7,730.00	7,942.61	7,618.35	74.74	42.93	-88.64	-3,438.29	6,280.34	4,204.38	4,103.98	100.40	41.876		
10,900.00	7,730.00	7,943.09	7,618.82	74.64	42.94	-88.65	-3,438.29	6,280.34	4,129.62	4,030.32	99.30	41.586		
11,000.00	7,730.00	7,943.56	7,619.29	74.56	42.94	-88.66	-3,438.30	6,280.35	4,055.95	3,957.75	98.20	41.303		
11,100.00	7,730.00	7,944.03	7,619.76	74.51	42.94	-88.67	-3,438.30	6,280.36	3,983.42	3,886.33	97.09	41.027		
11,200.00	7,730.00	7,944.50	7,620.24	74.48	42.94	-88.68	-3,438.30	6,280.37	3,912.11	3,816.12	95.99	40.756		
11,300.00	7,730.00	7,944.98	7,620.71	74.48	42.94	-88.69	-3,438.31	6,280.38	3,842.08	3,747.18	94.90	40.487		
11,400.00	7,730.00	7,945.45	7,621.18	74.50	42.94	-88.70	-3,438.31	6,280.38	3,773.39	3,679.57	93.82	40.218		
11,500.00	7,730.00	7,945.92	7,621.65	74.56	42.94	-88.71	-3,438.31	6,280.39	3,706.14	3,613.36	92.78	39.947		
11,600.00	7,730.00	7,946.39	7,622.12	74.66	42.94	-88.72	-3,438.31	6,280.40	3,640.38	3,548.62	91.77	39.669		
11,700.00	7,730.00	7,946.86	7,622.59	74.79	42.95	-88.73	-3,438.32	6,280.41	3,576.22	3,485.41	90.81	39.381		
11,800.00	7,730.00	7,947.33	7,623.06	74.96	42.95	-88.74	-3,438.32	6,280.42	3,513.73	3,423.81	89.92	39.077		
11,900.00	7,730.00	7,947.80	7,623.53	75.17	42.95	-88.75	-3,438.32	6,280.42	3,453.00	3,363.90	89.11	38.752		
12,000.00	7,730.00	7,948.27	7,624.00	75.43	42.95	-88.76	-3,438.33	6,280.43	3,394.14	3,305.75	88.39	38.400		
12,100.00	7,730.00	7,948.74	7,624.47	75.73	42.95	-88.77	-3,438.33	6,280.44	3,337.23	3,249.45	87.78	38.016		
12,200.00	7,730.00	7,949.20	7,624.93	76.09	42.95	-88.78	-3,438.33	6,280.45	3,282.39	3,195.07	87.31	37.594		
12,300.00	7,730.00	7,949.67	7,625.40	76.51	42.95	-88.79	-3,438.33	6,280.46	3,229.71	3,142.72	86.99	37.127		
12,400.00	7,730.00	7,950.14	7,625.87	76.97	42.95	-88.80	-3,438.34	6,280.47	3,179.30	3,092.46	86.84	36.613		
12,500.00	7,730.00	7,950.61	7,626.34	77.50	42.95	-88.81	-3,438.34	6,280.47	3,131.27	3,044.41	86.87	36.047		
12,600.00	7,730.00	7,951.07	7,626.80	78.09	42.96	-88.82	-3,438.34	6,280.48	3,085.74	2,998.64	87.10	35.428		
12,700.00	7,730.00	7,951.54	7,627.27	78.74	42.96	-88.83	-3,438.35	6,280.49	3,042.82	2,955.27	87.55	34.757		
12,800.00	7,730.00	7,952.00	7,627.73	79.45	42.96	-88.83	-3,438.35	6,280.50	3,002.62	2,914.40	88.22	34.036		
12,900.00	7,730.00	7,952.47	7,628.20	80.22	42.96	-88.84	-3,438.35	6,280.51	2,965.24	2,876.12	89.12	33.273		
13,000.00	7,730.00	7,952.93	7,628.66	81.05	42.96	-88.85	-3,438.35	6,280.52	2,930.80	2,840.54	90.25	32.473		
13,100.00	7,730.00	7,953.40	7,629.13	81.94	42.96	-88.86	-3,438.36	6,280.52	2,899.40	2,807.78	91.62	31.646		
13,200.00	7,730.00	7,953.86	7,629.59	82.87	42.96	-88.87	-3,438.36	6,280.53	2,871.14	2,777.93	93.21	30.803		
13,300.00	7,730.00	7,954.33	7,630.06	83.86	42.96	-88.88	-3,438.36	6,280.54	2,846.12	2,751.10	95.02	29.954		
13,400.00	7,730.00	7,954.79	7,630.52	84.90	42.96	-88.89	-3,438.36	6,280.55	2,824.41	2,727.39	97.02	29.110		
13,500.00	7,730.00	7,955.25	7,630.98	85.97	42.97	-88.90	-3,438.37	6,280.56	2,806.11	2,706.89	99.22	28.283		
13,600.00	7,730.00	7,955.72	7,631.45	87.09	42.97	-88.91	-3,438.37	6,280.57	2,791.27	2,689.70	101.57	27.480		
13,700.00	7,730.00	7,956.18	7,631.91	88.25	42.97	-88.92	-3,438.37	6,280.57	2,779.95	2,675.88	104.07	26.711		
13,800.00	7,730.00	7,956.64	7,632.37	89.44	42.97	-88.93	-3,438.38	6,280.58	2,772.19	2,665.50	106.69	25.983		
13,900.00	7,730.00	7,957.10	7,632.83	90.66	42.97	-88.94	-3,438.38	6,280.59	2,768.03	2,658.62	109.41	25.300		
13,965.34	7,730.00	7,957.40	7,633.13	91.48	42.97	-88.95	-3,438.38	6,280.60	2,767.26	2,656.03	111.22	24.880 CC		
14,000.00	7,730.00	7,957.56	7,633.29	91.92	42.97	-88.95	-3,438.38	6,280.60	2,767.47	2,655.28	112.20	24.666 ES		
14,100.00	7,730.00	7,958.02	7,633.75	93.20	42.97	-88.96	-3,438.38	6,280.61	2,770.53	2,655.50	115.03	24.086		
14,200.00	7,730.00	7,958.48	7,634.21	94.50	42.97	-88.97	-3,438.39	6,280.62	2,777.19	2,659.31	117.88	23.559		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,958.94	7,634.67	95.83	42.98	-88.98	-3,438.39	6,280.62	2,787.42	2,666.68	120.74	23.087		
14,400.00	7,730.00	7,959.40	7,635.13	97.17	42.98	-88.99	-3,438.39	6,280.63	2,801.19	2,677.62	123.57	22.669		
14,500.00	7,730.00	7,959.86	7,635.59	98.54	42.98	-89.00	-3,438.39	6,280.64	2,818.43	2,692.07	126.36	22.304		
14,600.00	7,730.00	7,960.32	7,636.05	99.92	42.98	-89.01	-3,438.40	6,280.65	2,839.10	2,710.01	129.10	21.992		
14,700.00	7,730.00	7,960.78	7,636.51	101.32	42.98	-89.02	-3,438.40	6,280.66	2,863.11	2,731.36	131.76	21.731		
14,800.00	7,730.00	7,961.24	7,636.97	102.74	42.98	-89.03	-3,438.40	6,280.67	2,890.39	2,756.06	134.33	21.517		
14,900.00	7,730.00	7,961.69	7,637.42	104.17	42.98	-89.04	-3,438.41	6,280.68	2,920.84	2,784.03	136.81	21.350		
15,000.00	7,730.00	7,962.15	7,637.88	105.62	42.98	-89.05	-3,438.41	6,280.68	2,954.35	2,815.17	139.18	21.227		
15,100.00	7,730.00	7,962.61	7,638.34	107.07	42.98	-89.05	-3,438.41	6,280.69	2,990.84	2,849.40	141.45	21.145		
15,200.00	7,730.00	7,963.06	7,638.79	108.54	42.99	-89.06	-3,438.41	6,280.70	3,030.19	2,886.60	143.59	21.102		
15,300.00	7,730.00	7,963.52	7,639.25	110.02	42.99	-89.07	-3,438.42	6,280.71	3,072.29	2,926.67	145.63	21.097 SF		
15,400.00	7,730.00	7,963.98	7,639.70	111.51	42.99	-89.08	-3,438.42	6,280.72	3,117.04	2,969.49	147.54	21.126		
15,500.00	7,730.00	7,964.43	7,640.16	113.01	42.99	-89.09	-3,438.42	6,280.73	3,164.31	3,014.96	149.34	21.188		
15,600.00	7,730.00	7,964.89	7,640.61	114.52	42.99	-89.10	-3,438.42	6,280.74	3,213.99	3,062.97	151.03	21.281		
15,700.00	7,730.00	7,965.34	7,641.07	116.04	42.99	-89.11	-3,438.43	6,280.75	3,265.99	3,113.39	152.60	21.402		
15,800.00	7,730.00	7,965.79	7,641.52	117.56	42.99	-89.12	-3,438.43	6,280.75	3,320.18	3,166.12	154.07	21.551		
15,900.00	7,730.00	7,966.25	7,641.98	119.09	42.99	-89.13	-3,438.43	6,280.76	3,376.47	3,221.04	155.43	21.724		
16,000.00	7,730.00	7,966.70	7,642.43	120.63	42.99	-89.14	-3,438.44	6,280.77	3,434.74	3,278.05	156.69	21.921		
16,100.00	7,730.00	7,967.15	7,642.88	122.18	43.00	-89.15	-3,438.44	6,280.78	3,494.91	3,337.05	157.85	22.140		
16,200.00	7,730.00	7,967.61	7,643.33	123.73	43.00	-89.16	-3,438.44	6,280.79	3,556.86	3,397.93	158.93	22.380		
16,300.00	7,730.00	7,968.06	7,643.79	125.29	43.00	-89.17	-3,438.44	6,280.80	3,620.53	3,460.60	159.92	22.639		
16,400.00	7,730.00	7,968.51	7,644.24	126.86	43.00	-89.18	-3,438.45	6,280.81	3,685.80	3,524.96	160.84	22.916		
16,500.00	7,730.00	7,968.96	7,644.69	128.43	43.00	-89.19	-3,438.45	6,280.82	3,752.60	3,590.93	161.68	23.211		
16,600.00	7,730.00	7,969.41	7,645.14	130.01	43.00	-89.20	-3,438.45	6,280.82	3,820.86	3,658.41	162.45	23.521		
16,700.00	7,730.00	7,969.86	7,645.59	131.59	43.00	-89.20	-3,438.45	6,280.83	3,890.49	3,727.34	163.15	23.846		
16,800.00	7,730.00	7,970.31	7,646.04	133.18	43.00	-89.21	-3,438.46	6,280.84	3,961.41	3,797.62	163.79	24.186		
16,900.00	7,730.00	7,970.76	7,646.49	134.77	43.00	-89.22	-3,438.46	6,280.85	4,033.57	3,869.19	164.38	24.538		
17,000.00	7,730.00	7,971.21	7,646.94	136.37	43.01	-89.23	-3,438.46	6,280.86	4,106.90	3,941.99	164.91	24.903		
17,100.00	7,730.00	7,971.66	7,647.39	137.97	43.01	-89.24	-3,438.46	6,280.87	4,181.33	4,015.93	165.40	25.280		
17,200.00	7,730.00	7,972.11	7,647.84	139.57	43.01	-89.25	-3,438.47	6,280.88	4,256.81	4,090.97	165.84	25.668		
17,300.00	7,730.00	7,972.56	7,648.29	141.18	43.01	-89.26	-3,438.47	6,280.89	4,333.29	4,167.04	166.24	26.066		
17,400.00	7,730.00	7,973.01	7,648.73	142.79	43.01	-89.27	-3,438.47	6,280.90	4,410.70	4,244.09	166.61	26.474		
17,500.00	7,730.00	7,973.46	7,649.18	144.41	43.01	-89.28	-3,438.47	6,280.90	4,489.01	4,322.08	166.93	26.891		
17,600.00	7,730.00	7,973.90	7,649.63	146.03	43.01	-89.29	-3,438.48	6,280.91	4,568.16	4,400.93	167.23	27.317		
17,700.00	7,730.00	7,974.35	7,650.08	147.65	43.01	-89.30	-3,438.48	6,280.92	4,648.12	4,480.63	167.49	27.751		
17,800.00	7,730.00	7,974.80	7,650.52	149.28	43.01	-89.31	-3,438.48	6,280.93	4,728.84	4,561.11	167.73	28.193		
17,900.00	7,730.00	7,975.24	7,650.97	150.91	43.02	-89.32	-3,438.49	6,280.94	4,810.29	4,642.34	167.94	28.642		
18,000.00	7,730.00	7,975.69	7,651.41	152.54	43.02	-89.33	-3,438.49	6,280.95	4,892.42	4,724.28	168.13	29.098		
18,100.00	7,730.00	7,976.13	7,651.86	154.18	43.02	-89.33	-3,438.49	6,280.96	4,975.21	4,806.90	168.30	29.561		
18,200.00	7,730.00	7,976.58	7,652.30	155.82	43.02	-89.34	-3,438.49	6,280.97	5,058.61	4,890.16	168.45	30.030		
18,300.00	7,730.00	7,977.02	7,652.75	157.46	43.02	-89.35	-3,438.50	6,280.98	5,142.62	4,974.03	168.58	30.505		
18,400.00	7,730.00	7,977.47	7,653.19	159.11	43.02	-89.36	-3,438.50	6,280.98	5,227.18	5,058.48	168.69	30.986		
18,500.00	7,730.00	7,977.91	7,653.64	160.75	43.02	-89.37	-3,438.50	6,280.99	5,312.28	5,143.49	168.79	31.472		
18,600.00	7,730.00	7,978.35	7,654.08	162.40	43.02	-89.38	-3,438.50	6,281.00	5,397.89	5,229.01	168.88	31.963		
18,700.00	7,730.00	7,978.80	7,654.52	164.05	43.02	-89.39	-3,438.51	6,281.01	5,483.99	5,315.04	168.95	32.459		
18,800.00	7,730.00	7,979.24	7,654.97	165.71	43.03	-89.40	-3,438.51	6,281.02	5,570.55	5,401.54	169.01	32.959		
18,900.00	7,730.00	7,979.68	7,655.41	167.36	43.03	-89.41	-3,438.51	6,281.03	5,657.56	5,488.49	169.06	33.464		
18,942.39	7,730.00	7,979.87	7,655.60	168.07	43.03	-89.41	-3,438.51	6,281.03	5,694.57	5,525.49	169.08	33.680		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT BURY CRANDELL C UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	81.90	771.79	5,425.16	5,480.51					
100.00	100.00	11.00	11.00	0.13	0.09	81.90	771.79	5,425.16	5,479.79	5,479.57	0.22	N/A		
200.00	200.00	111.00	111.00	0.49	0.97	81.90	771.79	5,425.16	5,479.79	5,478.32	1.46	3,749.279		
300.00	300.00	211.00	211.00	0.85	2.71	81.90	771.79	5,425.16	5,479.79	5,476.22	3.57	1,536.952		
400.00	400.00	311.00	311.00	1.21	4.46	81.90	771.79	5,425.16	5,479.79	5,474.12	5.67	966.596		
500.00	500.00	411.00	411.00	1.57	6.20	81.90	771.79	5,425.16	5,479.79	5,472.01	7.77	704.981		
600.00	600.00	511.00	511.00	1.93	7.95	81.90	771.79	5,425.16	5,479.79	5,469.91	9.88	554.816		
700.00	700.00	611.00	611.00	2.29	9.70	81.90	771.79	5,425.16	5,479.79	5,467.80	11.98	457.390		
800.00	800.00	711.00	711.00	2.64	11.44	81.90	771.79	5,425.16	5,479.79	5,465.70	14.08	389.069		
900.00	899.98	810.98	810.98	3.00	13.19	22.34	771.79	5,425.16	5,478.17	5,461.99	16.18	338.501		
1,000.00	999.84	910.84	910.84	3.35	14.93	22.39	771.79	5,425.16	5,473.33	5,455.05	18.28	299.431		
1,100.00	1,099.45	1,010.45	1,010.45	3.71	16.67	22.49	771.79	5,425.16	5,465.27	5,444.90	20.37	268.265		
1,200.00	1,198.70	1,109.70	1,109.70	4.08	18.40	22.63	771.79	5,425.16	5,454.00	5,431.54	22.46	242.807		
1,300.00	1,297.47	1,208.47	1,208.47	4.47	20.12	22.80	771.79	5,425.16	5,439.55	5,415.00	24.55	221.601		
1,400.00	1,395.62	1,306.62	1,306.62	4.87	21.84	23.02	771.79	5,425.16	5,421.92	5,395.30	26.62	203.643		
1,500.00	1,493.06	1,404.06	1,404.06	5.31	23.54	23.28	771.79	5,425.16	5,401.16	5,372.46	28.70	188.225		
1,600.00	1,589.64	1,500.64	1,500.64	5.77	25.22	23.58	771.79	5,425.16	5,377.29	5,346.53	30.76	174.826		
1,700.00	1,685.27	1,603.73	1,596.27	6.28	27.02	23.94	771.79	5,425.16	5,350.34	5,317.40	32.94	162.416		
1,800.00	1,779.82	1,709.18	1,690.82	6.83	28.86	24.33	771.79	5,425.16	5,320.36	5,285.18	35.18	151.243		
1,900.00	1,873.17	1,784.17	1,784.17	7.43	30.17	24.78	771.79	5,425.16	5,287.40	5,250.51	36.89	143.320		
2,000.00	1,965.21	1,876.21	1,876.21	8.08	31.78	25.29	771.79	5,425.16	5,251.50	5,212.59	38.92	134.939		
2,100.00	2,055.84	1,966.84	1,966.84	8.79	33.36	25.85	771.79	5,425.16	5,212.73	5,171.80	40.93	127.348		
2,200.00	2,144.94	2,055.94	2,055.94	9.56	34.91	26.47	771.79	5,425.16	5,171.14	5,128.20	42.94	120.433		
2,300.00	2,232.39	2,143.39	2,143.39	10.39	36.44	27.15	771.79	5,425.16	5,126.80	5,081.86	44.93	114.101		
2,400.00	2,318.11	2,229.11	2,229.11	11.30	37.94	27.90	771.79	5,425.16	5,079.77	5,032.85	46.92	108.273		
2,504.60	2,405.78	2,316.78	2,316.78	12.31	39.47	28.77	771.79	5,425.16	5,027.79	4,978.81	48.98	102.648		
2,600.00	2,484.79	2,404.21	2,395.79	13.28	40.99	29.05	771.79	5,425.16	4,979.16	4,928.15	51.01	97.609		
2,700.00	2,567.60	2,478.60	2,478.60	14.32	42.29	29.35	771.79	5,425.16	4,928.30	4,875.44	52.85	93.248		
2,800.00	2,650.41	2,561.41	2,561.41	15.37	43.74	29.67	771.79	5,425.16	4,877.54	4,822.69	54.86	88.915		
2,900.00	2,733.23	2,644.23	2,644.23	16.44	45.18	29.98	771.79	5,425.16	4,826.90	4,770.03	56.88	84.866		
3,000.00	2,816.04	2,727.04	2,727.04	17.52	46.63	30.30	771.79	5,425.16	4,776.39	4,717.48	58.91	81.076		
3,100.00	2,898.85	2,809.85	2,809.85	18.60	48.07	30.63	771.79	5,425.16	4,726.00	4,665.04	60.96	77.524		
3,200.00	2,981.67	2,907.33	2,892.67	19.69	49.77	30.97	771.79	5,425.16	4,675.74	4,612.46	63.28	73.887		
3,300.00	3,064.48	2,975.48	2,975.48	20.79	50.96	31.31	771.79	5,425.16	4,625.61	4,560.51	65.10	71.050		
3,400.00	3,147.30	3,058.30	3,058.30	21.90	52.41	31.66	771.79	5,425.16	4,575.62	4,508.42	67.19	68.096		
3,500.00	3,230.11	3,141.11	3,141.11	23.00	53.85	32.01	771.79	5,425.16	4,525.77	4,456.47	69.30	65.309		
3,600.00	3,312.92	3,223.92	3,223.92	24.12	55.30	32.38	771.79	5,425.16	4,476.07	4,404.65	71.41	62.677		
3,700.00	3,395.74	3,306.74	3,306.74	25.23	56.74	32.75	771.79	5,425.16	4,426.51	4,352.97	73.54	60.188		
3,800.00	3,478.55	3,389.55	3,389.55	26.35	58.19	33.12	771.79	5,425.16	4,377.12	4,301.43	75.69	57.832		
3,900.00	3,561.36	3,472.36	3,472.36	27.47	59.64	33.51	771.79	5,425.16	4,327.89	4,250.05	77.84	55.598		
4,000.00	3,644.18	3,555.18	3,555.18	28.59	61.08	33.90	771.79	5,425.16	4,278.83	4,198.81	80.01	53.477		
4,100.00	3,726.99	3,637.99	3,637.99	29.72	62.53	34.30	771.79	5,425.16	4,229.94	4,147.74	82.19	51.462		
4,200.00	3,809.81	3,720.81	3,720.81	30.85	63.97	34.72	771.79	5,425.16	4,181.23	4,096.83	84.39	49.546		
4,300.00	3,892.62	3,803.62	3,803.62	31.98	65.42	35.13	771.79	5,425.16	4,132.70	4,046.10	86.60	47.722		
4,400.00	3,975.43	3,886.43	3,886.43	33.11	66.86	35.56	771.79	5,425.16	4,084.37	3,995.55	88.82	45.983		
4,500.00	4,058.25	3,969.25	3,969.25	34.24	68.31	36.00	771.79	5,425.16	4,036.24	3,945.18	91.06	44.324		
4,600.00	4,141.06	4,052.06	4,052.06	35.37	69.75	36.45	771.79	5,425.16	3,988.31	3,895.00	93.32	42.740		
4,700.00	4,223.87	4,134.87	4,134.87	36.50	71.20	36.90	771.79	5,425.16	3,940.60	3,845.02	95.58	41.227		
4,800.00	4,306.69	4,217.69	4,217.69	37.64	72.64	37.37	771.79	5,425.16	3,893.11	3,795.25	97.87	39.780		
4,900.00	4,389.50	4,300.50	4,300.50	38.77	74.09	37.84	771.79	5,425.16	3,845.86	3,745.69	100.17	38.395		
5,000.00	4,472.32	4,383.32	4,383.32	39.91	75.53	38.33	771.79	5,425.16	3,798.84	3,696.36	102.48	37.068		
5,100.00	4,555.13	4,466.13	4,466.13	41.05	76.98	38.83	771.79	5,425.16	3,752.07	3,647.26	104.81	35.797		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT BURY CRANDELL C UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,548.94	4,548.94	42.18	78.43	39.33	771.79	5,425.16	3,705.56	3,598.39	107.16	34.579		
5,300.00	4,720.76	4,631.76	4,631.76	43.32	79.87	39.85	771.79	5,425.16	3,659.31	3,549.78	109.53	33.409		
5,400.00	4,803.57	4,714.57	4,714.57	44.46	81.32	40.38	771.79	5,425.16	3,613.34	3,501.43	111.91	32.287		
5,500.00	4,886.39	4,802.61	4,797.39	45.60	82.85	40.93	771.79	5,425.16	3,567.67	3,453.26	114.41	31.183		
5,600.00	4,969.20	4,880.20	4,880.20	46.74	84.21	41.48	771.79	5,425.16	3,522.29	3,405.54	116.74	30.172		
5,700.00	5,052.01	4,963.01	4,963.01	47.88	85.65	42.05	771.79	5,425.16	3,477.22	3,358.03	119.18	29.175		
5,800.00	5,134.83	5,045.83	5,045.83	49.02	87.10	42.63	771.79	5,425.16	3,432.47	3,310.83	121.64	28.217		
5,900.00	5,217.64	5,128.64	5,128.64	50.16	88.54	43.22	771.79	5,425.16	3,388.07	3,263.94	124.13	27.295		
6,000.00	5,300.45	5,211.45	5,211.45	51.30	89.99	43.83	771.79	5,425.16	3,344.01	3,217.38	126.63	26.407		
6,100.00	5,383.27	5,305.73	5,294.27	52.45	91.63	44.45	771.79	5,425.16	3,300.31	3,170.96	129.36	25.513		
6,200.00	5,466.08	5,377.08	5,377.08	53.59	92.88	45.08	771.79	5,425.16	3,257.00	3,125.29	131.70	24.730		
6,300.00	5,548.90	5,459.90	5,459.90	54.73	94.32	45.73	771.79	5,425.16	3,214.07	3,079.80	134.27	23.937		
6,400.00	5,631.71	5,542.71	5,542.71	55.87	95.77	46.39	771.79	5,425.16	3,171.56	3,034.70	136.87	23.173		
6,500.00	5,714.52	5,625.52	5,625.52	57.02	97.22	47.07	771.79	5,425.16	3,129.48	2,989.99	139.48	22.436		
6,600.00	5,797.34	5,708.34	5,708.34	58.16	98.66	47.76	771.79	5,425.16	3,087.84	2,945.71	142.13	21.726		
6,700.00	5,880.15	5,808.85	5,791.15	59.30	100.41	48.47	771.79	5,425.16	3,046.66	2,901.56	145.10	20.997		
6,800.00	5,962.96	5,873.96	5,873.96	60.45	101.55	49.19	771.79	5,425.16	3,005.96	2,858.48	147.48	20.382		
6,900.00	6,045.78	5,956.78	5,956.78	61.59	103.00	49.93	771.79	5,425.16	2,965.76	2,815.56	150.20	19.746		
7,000.00	6,128.59	6,039.59	6,039.59	62.73	104.44	50.69	771.79	5,425.16	2,926.08	2,773.15	152.94	19.133		
7,100.00	6,211.41	6,122.41	6,122.41	63.88	105.89	51.47	771.79	5,425.16	2,886.95	2,731.25	155.70	18.541		
7,200.00	6,294.22	6,205.22	6,205.22	65.02	107.33	52.26	771.79	5,425.16	2,848.38	2,689.89	158.50	17.971		
7,300.00	6,377.03	6,288.03	6,288.03	66.17	108.78	53.06	771.79	5,425.16	2,810.40	2,649.09	161.31	17.422		
7,400.00	6,459.85	6,370.85	6,370.85	67.31	110.22	53.89	771.79	5,425.16	2,773.04	2,608.88	164.16	16.892		
7,500.00	6,542.66	6,453.66	6,453.66	68.46	111.67	54.73	771.79	5,425.16	2,736.31	2,569.28	167.03	16.382		
7,600.00	6,625.48	6,536.48	6,536.48	69.60	113.11	55.59	771.79	5,425.16	2,700.25	2,530.32	169.92	15.891		
7,700.00	6,708.29	6,619.29	6,619.29	70.75	114.56	56.47	771.79	5,425.16	2,664.87	2,492.03	172.85	15.418		
7,800.00	6,791.10	6,702.10	6,702.10	71.89	116.01	57.37	771.79	5,425.16	2,630.22	2,454.43	175.79	14.962		
7,900.00	6,873.92	6,784.92	6,784.92	73.04	117.45	58.29	771.79	5,425.16	2,596.31	2,417.55	178.76	14.524		
8,000.00	6,956.73	6,867.73	6,867.73	74.18	118.90	59.22	771.79	5,425.16	2,563.18	2,381.43	181.76	14.102		
8,100.00	7,039.54	6,950.54	6,950.54	75.33	120.34	60.17	771.79	5,425.16	2,530.86	2,346.09	184.77	13.697		
8,165.32	7,093.63	7,004.63	7,004.63	76.08	121.29	60.80	771.79	5,425.16	2,510.20	2,323.45	186.75	13.441		
8,200.00	7,122.60	7,033.60	7,033.60	76.47	121.79	55.32	771.79	5,425.16	2,498.82	2,311.03	187.79	13.307		
8,250.00	7,165.05	7,076.05	7,076.05	77.01	122.53	46.45	771.79	5,425.16	2,480.61	2,291.40	189.21	13.110		
8,300.00	7,208.03	7,119.03	7,119.03	77.52	123.28	36.65	771.79	5,425.16	2,460.34	2,269.81	190.53	12.913		
8,350.00	7,251.22	7,162.22	7,162.22	77.99	124.04	26.25	771.79	5,425.16	2,438.10	2,246.36	191.74	12.716		
8,400.00	7,294.28	7,205.28	7,205.28	78.41	124.79	15.64	771.79	5,425.16	2,414.00	2,221.17	192.83	12.519		
8,450.00	7,336.90	7,247.90	7,247.90	78.78	125.53	5.20	771.79	5,425.16	2,388.18	2,194.40	193.78	12.324		
8,500.00	7,378.73	7,289.73	7,289.73	79.10	126.26	-4.83	771.79	5,425.16	2,360.83	2,166.23	194.60	12.132		
8,550.00	7,419.47	7,330.47	7,330.47	79.37	126.97	-14.36	771.79	5,425.16	2,332.15	2,136.88	195.27	11.943		
8,600.00	7,458.81	7,369.81	7,369.81	79.59	127.66	-23.36	771.79	5,425.16	2,302.37	2,106.60	195.78	11.760		
8,650.00	7,496.44	7,407.44	7,407.44	79.76	128.32	-31.88	771.79	5,425.16	2,271.78	2,075.65	196.13	11.583		
8,700.00	7,532.08	7,443.08	7,443.08	79.88	128.94	-39.95	771.79	5,425.16	2,240.66	2,044.35	196.32	11.414		
8,750.00	7,565.46	7,476.46	7,476.46	79.95	129.52	-47.56	771.79	5,425.16	2,209.34	2,013.01	196.33	11.253		
8,800.00	7,596.33	7,507.33	7,507.33	79.98	130.06	-54.70	771.79	5,425.16	2,178.16	1,981.98	196.18	11.103		
8,850.00	7,624.44	7,535.44	7,535.44	79.97	130.55	-61.30	771.79	5,425.16	2,147.48	1,951.63	195.85	10.965		
8,900.00	7,649.59	7,560.59	7,560.59	79.93	130.99	-67.30	771.79	5,425.16	2,117.69	1,922.33	195.35	10.840		
8,950.00	7,671.59	7,582.59	7,582.59	79.84	131.37	-72.66	771.79	5,425.16	2,089.15	1,894.46	194.69	10.731		
9,000.00	7,690.26	7,601.26	7,601.26	79.73	131.70	-77.34	771.79	5,425.16	2,062.24	1,868.38	193.86	10.638		
9,050.00	7,705.47	7,616.47	7,616.47	79.59	131.96	-81.32	771.79	5,425.16	2,037.33	1,844.45	192.88	10.563		
9,100.00	7,717.09	7,628.09	7,628.09	79.43	132.17	-84.61	771.79	5,425.16	2,014.78	1,823.01	191.76	10.507		
9,150.00	7,725.04	7,636.04	7,636.04	79.26	132.31	-87.20	771.79	5,425.16	1,994.88	1,804.36	190.52	10.471		
9,200.00	7,729.27	7,640.27	7,640.27	79.06	132.38	-89.13	771.79	5,425.16	1,977.93	1,788.77	189.17	10.456 SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	7,641.00	7,641.00	78.93	132.39	-90.00	771.79	5,425.16	1,968.97	1,780.69	188.28	10.458		
9,300.00	7,730.00	7,641.00	7,641.00	78.65	132.39	-90.00	771.79	5,425.16	1,951.67	1,765.38	186.29	10.477		
9,400.00	7,730.00	7,641.00	7,641.00	78.26	132.39	-90.00	771.79	5,425.16	1,930.64	1,747.20	183.44	10.524		
9,500.00	7,730.00	7,641.00	7,641.00	77.89	132.39	-90.00	771.79	5,425.16	1,914.62	1,733.90	180.72	10.594		
9,600.00	7,730.00	7,641.00	7,641.00	77.53	132.39	-90.00	771.79	5,425.16	1,903.72	1,725.51	178.21	10.683		
9,700.00	7,730.00	7,641.00	7,641.00	77.19	132.39	-90.00	771.79	5,425.16	1,898.03	1,722.04	175.99	10.785	ES	
9,758.08	7,730.00	7,641.00	7,641.00	77.01	132.39	-90.00	771.79	5,425.16	1,897.14	1,722.25	174.89	10.848	CC	
9,800.00	7,730.00	7,641.00	7,641.00	76.88	132.39	-90.00	771.79	5,425.16	1,897.61	1,723.43	174.18	10.895		
9,900.00	7,730.00	7,641.00	7,641.00	76.58	132.39	-90.00	771.79	5,425.16	1,902.45	1,729.60	172.84	11.007		
10,000.00	7,730.00	7,641.00	7,641.00	76.30	132.39	-90.00	771.79	5,425.16	1,912.51	1,740.45	172.06	11.116		
10,100.00	7,730.00	7,641.00	7,641.00	76.04	132.39	-90.00	771.79	5,425.16	1,927.71	1,755.87	171.84	11.218		
10,200.00	7,730.00	7,641.00	7,641.00	75.79	132.39	-90.00	771.79	5,425.16	1,947.94	1,775.75	172.19	11.313		
10,300.00	7,730.00	7,641.00	7,641.00	75.57	132.39	-90.00	771.79	5,425.16	1,973.03	1,799.99	173.04	11.402		
10,400.00	7,730.00	7,641.00	7,641.00	75.36	132.39	-90.00	771.79	5,425.16	2,002.80	1,828.48	174.32	11.489		
10,500.00	7,730.00	7,641.00	7,641.00	75.18	132.39	-90.00	771.79	5,425.16	2,037.06	1,861.12	175.94	11.578		
10,600.00	7,730.00	7,641.00	7,641.00	75.01	132.39	-90.00	771.79	5,425.16	2,075.57	1,897.77	177.80	11.674		
10,700.00	7,730.00	7,641.00	7,641.00	74.86	132.39	-90.00	771.79	5,425.16	2,118.11	1,938.29	179.82	11.779		
10,800.00	7,730.00	7,641.00	7,641.00	74.74	132.39	-90.00	771.79	5,425.16	2,164.43	1,982.49	181.93	11.897		
10,900.00	7,730.00	7,641.00	7,641.00	74.64	132.39	-90.00	771.79	5,425.16	2,214.30	2,030.22	184.09	12.029		
11,000.00	7,730.00	7,641.00	7,641.00	74.56	132.39	-90.00	771.79	5,425.16	2,267.49	2,081.26	186.23	12.176		
11,100.00	7,730.00	7,641.00	7,641.00	74.51	132.39	-90.00	771.79	5,425.16	2,323.77	2,135.43	188.34	12.338		
11,200.00	7,730.00	7,641.00	7,641.00	74.48	132.39	-90.00	771.79	5,425.16	2,382.92	2,192.53	190.39	12.516		
11,300.00	7,730.00	7,641.00	7,641.00	74.48	132.39	-90.00	771.79	5,425.16	2,444.72	2,252.37	192.36	12.709		
11,400.00	7,730.00	7,641.00	7,641.00	74.50	132.39	-90.00	771.79	5,425.16	2,509.00	2,314.76	194.24	12.917		
11,500.00	7,730.00	7,641.00	7,641.00	74.56	132.39	-90.00	771.79	5,425.16	2,575.55	2,379.51	196.03	13.138		
11,600.00	7,730.00	7,641.00	7,641.00	74.66	132.39	-90.00	771.79	5,425.16	2,644.21	2,446.47	197.73	13.373		
11,700.00	7,730.00	7,641.00	7,641.00	74.79	132.39	-90.00	771.79	5,425.16	2,714.81	2,515.47	199.34	13.619		
11,800.00	7,730.00	7,641.00	7,641.00	74.96	132.39	-90.00	771.79	5,425.16	2,787.22	2,586.36	200.86	13.877		
11,900.00	7,730.00	7,641.00	7,641.00	75.17	132.39	-90.00	771.79	5,425.16	2,861.29	2,659.01	202.28	14.145		
12,000.00	7,730.00	7,641.00	7,641.00	75.43	132.39	-90.00	771.79	5,425.16	2,936.90	2,733.27	203.62	14.423		
12,100.00	7,730.00	7,641.00	7,641.00	75.73	132.39	-90.00	771.79	5,425.16	3,013.92	2,809.04	204.89	14.710		
12,200.00	7,730.00	7,641.00	7,641.00	76.09	132.39	-90.00	771.79	5,425.16	3,092.27	2,886.20	206.07	15.006		
12,300.00	7,730.00	7,641.00	7,641.00	76.51	132.39	-90.00	771.79	5,425.16	3,171.83	2,964.64	207.19	15.309		
12,400.00	7,730.00	7,641.00	7,641.00	76.97	132.39	-90.00	771.79	5,425.16	3,252.52	3,044.29	208.23	15.620		
12,500.00	7,730.00	7,641.00	7,641.00	77.50	132.39	-90.00	771.79	5,425.16	3,334.26	3,125.04	209.22	15.937		
12,600.00	7,730.00	7,641.00	7,641.00	78.09	132.39	-90.00	771.79	5,425.16	3,416.97	3,206.83	210.14	16.260		
12,700.00	7,730.00	7,641.00	7,641.00	78.74	132.39	-90.00	771.79	5,425.16	3,500.58	3,289.57	211.01	16.590		
12,800.00	7,730.00	7,641.00	7,641.00	79.45	132.39	-90.00	771.79	5,425.16	3,585.03	3,373.20	211.83	16.924		
12,900.00	7,730.00	7,641.00	7,641.00	80.22	132.39	-90.00	771.79	5,425.16	3,670.26	3,457.66	212.60	17.264		
13,000.00	7,730.00	7,641.00	7,641.00	81.05	132.39	-90.00	771.79	5,425.16	3,756.22	3,542.89	213.33	17.608		
13,100.00	7,730.00	7,641.00	7,641.00	81.94	132.39	-90.00	771.79	5,425.16	3,842.86	3,628.85	214.02	17.956		
13,200.00	7,730.00	7,641.00	7,641.00	82.87	132.39	-90.00	771.79	5,425.16	3,930.14	3,715.47	214.66	18.308		
13,300.00	7,730.00	7,641.00	7,641.00	83.86	132.39	-90.00	771.79	5,425.16	4,018.00	3,802.73	215.28	18.664		
13,400.00	7,730.00	7,641.00	7,641.00	84.90	132.39	-90.00	771.79	5,425.16	4,106.43	3,890.57	215.86	19.024		
13,500.00	7,730.00	7,641.00	7,641.00	85.97	132.39	-90.00	771.79	5,425.16	4,195.37	3,978.96	216.40	19.387		
13,600.00	7,730.00	7,641.00	7,641.00	87.09	132.39	-90.00	771.79	5,425.16	4,284.80	4,067.88	216.92	19.753		
13,700.00	7,730.00	7,641.00	7,641.00	88.25	132.39	-90.00	771.79	5,425.16	4,374.69	4,157.27	217.42	20.121		
13,800.00	7,730.00	7,641.00	7,641.00	89.44	132.39	-90.00	771.79	5,425.16	4,465.00	4,247.12	217.88	20.493		
13,900.00	7,730.00	7,641.00	7,641.00	90.66	132.39	-90.00	771.79	5,425.16	4,555.73	4,337.40	218.33	20.866		
14,000.00	7,730.00	7,641.00	7,641.00	91.92	132.39	-90.00	771.79	5,425.16	4,646.83	4,428.08	218.75	21.243		
14,100.00	7,730.00	7,641.00	7,641.00	93.20	132.39	-90.00	771.79	5,425.16	4,738.29	4,519.14	219.15	21.621		
14,200.00	7,730.00	7,641.00	7,641.00	94.50	132.39	-90.00	771.79	5,425.16	4,830.09	4,610.56	219.54	22.001		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT BURY CRANDELL C UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,641.00	7,641.00	95.83	132.39	-90.00	771.79	5,425.16	4,922.21	4,702.31	219.90	22.384		
14,400.00	7,730.00	7,641.00	7,641.00	97.17	132.39	-90.00	771.79	5,425.16	5,014.64	4,794.38	220.25	22.768		
14,500.00	7,730.00	7,641.00	7,641.00	98.54	132.39	-90.00	771.79	5,425.16	5,107.34	4,886.76	220.59	23.154		
14,600.00	7,730.00	7,641.00	7,641.00	99.92	132.39	-90.00	771.79	5,425.16	5,200.32	4,979.42	220.90	23.541		
14,700.00	7,730.00	7,641.00	7,641.00	101.32	132.39	-90.00	771.79	5,425.16	5,293.55	5,072.35	221.21	23.930		
14,800.00	7,730.00	7,641.00	7,641.00	102.74	132.39	-90.00	771.79	5,425.16	5,387.03	5,165.53	221.50	24.321		
14,900.00	7,730.00	7,641.00	7,641.00	104.17	132.39	-90.00	771.79	5,425.16	5,480.74	5,258.96	221.78	24.712		
15,000.00	7,730.00	7,641.00	7,641.00	105.62	132.39	-90.00	771.79	5,425.16	5,574.66	5,352.61	222.05	25.105		
15,100.00	7,730.00	7,641.00	7,641.00	107.07	132.39	-90.00	771.79	5,425.16	5,668.80	5,446.49	222.31	25.500		
15,200.00	7,730.00	7,641.00	7,641.00	108.54	132.39	-90.00	771.79	5,425.16	5,763.13	5,540.57	222.56	25.895		
15,300.00	7,730.00	7,641.00	7,641.00	110.02	132.39	-90.00	771.79	5,425.16	5,857.65	5,634.85	222.79	26.292		
15,400.00	7,730.00	7,641.00	7,641.00	111.51	132.39	-90.00	771.79	5,425.16	5,952.34	5,729.32	223.02	26.689		
15,500.00	7,730.00	7,641.00	7,641.00	113.01	132.39	-90.00	771.79	5,425.16	6,047.21	5,823.97	223.24	27.088		
15,600.00	7,730.00	7,641.00	7,641.00	114.52	132.39	-90.00	771.79	5,425.16	6,142.25	5,918.79	223.46	27.487		
15,700.00	7,730.00	7,641.00	7,641.00	116.04	132.39	-90.00	771.79	5,425.16	6,237.43	6,013.77	223.66	27.888		
15,800.00	7,730.00	7,641.00	7,641.00	117.56	132.39	-90.00	771.79	5,425.16	6,332.77	6,108.91	223.86	28.289		
15,900.00	7,730.00	7,641.00	7,641.00	119.09	132.39	-90.00	771.79	5,425.16	6,428.24	6,204.19	224.05	28.691		
16,000.00	7,730.00	7,641.00	7,641.00	120.63	132.39	-90.00	771.79	5,425.16	6,523.86	6,299.62	224.24	29.093		
16,100.00	7,730.00	7,641.00	7,641.00	122.18	132.39	-90.00	771.79	5,425.16	6,619.60	6,395.18	224.42	29.497		
16,200.00	7,730.00	7,641.00	7,641.00	123.73	132.39	-90.00	771.79	5,425.16	6,715.47	6,490.87	224.59	29.901		
16,300.00	7,730.00	7,641.00	7,641.00	125.29	132.39	-90.00	771.79	5,425.16	6,811.45	6,586.69	224.76	30.306		
16,400.00	7,730.00	7,641.00	7,641.00	126.86	132.39	-90.00	771.79	5,425.16	6,907.55	6,682.63	224.92	30.711		
16,500.00	7,730.00	7,641.00	7,641.00	128.43	132.39	-90.00	771.79	5,425.16	7,003.76	6,778.68	225.08	31.117		
16,600.00	7,730.00	7,641.00	7,641.00	130.01	132.39	-90.00	771.79	5,425.16	7,100.07	6,874.84	225.23	31.523		
16,700.00	7,730.00	7,641.00	7,641.00	131.59	132.39	-90.00	771.79	5,425.16	7,196.49	6,971.10	225.38	31.930		
16,800.00	7,730.00	7,641.00	7,641.00	133.18	132.39	-90.00	771.79	5,425.16	7,293.00	7,067.47	225.53	32.338		
16,900.00	7,730.00	7,641.00	7,641.00	134.77	132.39	-90.00	771.79	5,425.16	7,389.60	7,163.93	225.67	32.746		
17,000.00	7,730.00	7,641.00	7,641.00	136.37	132.39	-90.00	771.79	5,425.16	7,486.29	7,260.49	225.80	33.154		
17,100.00	7,730.00	7,641.00	7,641.00	137.97	132.39	-90.00	771.79	5,425.16	7,583.07	7,357.13	225.94	33.563		
17,200.00	7,730.00	7,641.00	7,641.00	139.57	132.39	-90.00	771.79	5,425.16	7,679.93	7,453.86	226.07	33.972		
17,300.00	7,730.00	7,641.00	7,641.00	141.18	132.39	-90.00	771.79	5,425.16	7,776.87	7,550.68	226.19	34.382		
17,400.00	7,730.00	7,641.00	7,641.00	142.79	132.39	-90.00	771.79	5,425.16	7,873.89	7,647.57	226.32	34.792		
17,500.00	7,730.00	7,641.00	7,641.00	144.41	132.39	-90.00	771.79	5,425.16	7,970.98	7,744.54	226.44	35.202		
17,600.00	7,730.00	7,641.00	7,641.00	146.03	132.39	-90.00	771.79	5,425.16	8,068.14	7,841.58	226.55	35.612		
17,700.00	7,730.00	7,641.00	7,641.00	147.65	132.39	-90.00	771.79	5,425.16	8,165.37	7,938.70	226.67	36.023		
17,800.00	7,730.00	7,641.00	7,641.00	149.28	132.39	-90.00	771.79	5,425.16	8,262.66	8,035.88	226.78	36.434		
17,900.00	7,730.00	7,641.00	7,641.00	150.91	132.39	-90.00	771.79	5,425.16	8,360.02	8,133.13	226.89	36.846		
18,000.00	7,730.00	7,641.00	7,641.00	152.54	132.39	-90.00	771.79	5,425.16	8,457.45	8,230.45	227.00	37.258		
18,100.00	7,730.00	7,641.00	7,641.00	154.18	132.39	-90.00	771.79	5,425.16	8,554.93	8,327.82	227.10	37.670		
18,200.00	7,730.00	7,641.00	7,641.00	155.82	132.39	-90.00	771.79	5,425.16	8,652.47	8,425.26	227.21	38.082		
18,300.00	7,730.00	7,641.00	7,641.00	157.46	132.39	-90.00	771.79	5,425.16	8,750.06	8,522.75	227.31	38.494		
18,400.00	7,730.00	7,641.00	7,641.00	159.11	132.39	-90.00	771.79	5,425.16	8,847.71	8,620.30	227.41	38.907		
18,500.00	7,730.00	7,641.00	7,641.00	160.75	132.39	-90.00	771.79	5,425.16	8,945.41	8,717.90	227.50	39.320		
18,600.00	7,730.00	7,641.00	7,641.00	162.40	132.39	-90.00	771.79	5,425.16	9,043.16	8,815.56	227.60	39.733		
18,700.00	7,730.00	7,641.00	7,641.00	164.05	132.39	-90.00	771.79	5,425.16	9,140.96	8,913.26	227.69	40.146		
18,800.00	7,730.00	7,641.00	7,641.00	165.71	132.39	-90.00	771.79	5,425.16	9,238.80	9,011.02	227.79	40.559		
18,900.00	7,730.00	7,641.00	7,641.00	167.36	132.39	-90.00	771.79	5,425.16	9,336.69	9,108.82	227.88	40.973		
18,942.39	7,730.00	7,641.00	7,641.00	168.07	132.39	-90.00	771.79	5,425.16	9,378.20	9,150.29	227.91	41.148		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 23-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	115.80	-1,439.13	2,976.88	3,307.00					
100.00	100.00	42.00	42.00	0.13	0.32	115.80	-1,439.13	2,976.88	3,306.49	3,306.04	0.46	7,235.782		
200.00	200.00	142.00	142.00	0.49	1.50	115.80	-1,439.13	2,976.88	3,306.49	3,304.50	1.99	1,658.319		
300.00	300.00	242.00	242.00	0.85	3.25	115.80	-1,439.13	2,976.88	3,306.49	3,302.40	4.10	806.918		
400.00	400.00	342.00	342.00	1.21	4.99	115.80	-1,439.13	2,976.88	3,306.49	3,300.29	6.20	533.178		
500.00	500.00	442.00	442.00	1.57	6.74	115.80	-1,439.13	2,976.88	3,306.49	3,298.19	8.31	398.119		
600.00	600.00	542.00	542.00	1.93	8.48	115.80	-1,439.13	2,976.88	3,306.49	3,296.08	10.41	317.655		
700.00	700.00	642.00	642.00	2.29	10.23	115.80	-1,439.13	2,976.88	3,306.49	3,293.98	12.51	264.247		
800.00	800.00	742.00	742.00	2.64	11.97	115.80	-1,439.13	2,976.88	3,306.49	3,291.88	14.62	226.214		
900.00	899.98	841.98	841.98	3.00	13.72	56.26	-1,439.13	2,976.88	3,305.52	3,288.81	16.72	197.748		
1,000.00	999.84	941.84	941.84	3.35	15.46	56.38	-1,439.13	2,976.88	3,302.62	3,283.81	18.81	175.568		
1,100.00	1,099.45	1,041.45	1,041.45	3.71	17.20	56.59	-1,439.13	2,976.88	3,297.79	3,276.89	20.91	157.741		
1,200.00	1,198.70	1,140.70	1,140.70	4.08	18.93	56.87	-1,439.13	2,976.88	3,291.07	3,268.07	23.00	143.074		
1,300.00	1,297.47	1,239.47	1,239.47	4.47	20.66	57.25	-1,439.13	2,976.88	3,282.49	3,257.39	25.10	130.770		
1,400.00	1,395.62	1,337.62	1,337.62	4.87	22.37	57.70	-1,439.13	2,976.88	3,272.09	3,244.89	27.20	120.277		
1,500.00	1,493.06	1,435.06	1,435.06	5.31	24.07	58.24	-1,439.13	2,976.88	3,259.94	3,230.62	29.32	111.202		
1,600.00	1,589.64	1,531.64	1,531.64	5.77	25.75	58.85	-1,439.13	2,976.88	3,246.09	3,214.65	31.44	103.257		
1,700.00	1,685.27	1,627.27	1,627.27	6.28	27.42	59.55	-1,439.13	2,976.88	3,230.62	3,197.05	33.57	96.230		
1,800.00	1,779.82	1,721.82	1,721.82	6.83	29.07	60.33	-1,439.13	2,976.88	3,213.63	3,177.90	35.72	89.957		
1,900.00	1,873.17	1,815.17	1,815.17	7.43	30.70	61.19	-1,439.13	2,976.88	3,195.20	3,157.30	37.90	84.312		
2,000.00	1,965.21	1,907.21	1,907.21	8.08	32.31	62.13	-1,439.13	2,976.88	3,175.44	3,135.35	40.09	79.199		
2,100.00	2,055.84	2,002.16	1,997.84	8.79	33.97	63.14	-1,439.13	2,976.88	3,154.48	3,112.09	42.40	74.407		
2,200.00	2,144.94	2,086.94	2,086.94	9.56	35.45	64.22	-1,439.13	2,976.88	3,132.44	3,087.87	44.58	70.272		
2,300.00	2,232.39	2,174.39	2,174.39	10.39	36.97	65.37	-1,439.13	2,976.88	3,109.47	3,062.60	46.87	66.346		
2,400.00	2,318.11	2,260.11	2,260.11	11.30	38.47	66.58	-1,439.13	2,976.88	3,085.71	3,036.51	49.20	62.723		
2,504.60	2,405.78	2,347.78	2,347.78	12.31	40.00	67.92	-1,439.13	2,976.88	3,060.19	3,008.51	51.67	59.221		
2,600.00	2,484.79	2,426.79	2,426.79	13.28	41.38	68.71	-1,439.13	2,976.88	3,037.04	2,983.07	53.97	56.272		
2,700.00	2,567.60	2,509.60	2,509.60	14.32	42.82	69.56	-1,439.13	2,976.88	3,013.60	2,957.19	56.41	53.423		
2,800.00	2,650.41	2,607.59	2,592.41	15.37	44.53	70.41	-1,439.13	2,976.88	2,991.04	2,931.89	59.14	50.573		
2,900.00	2,733.23	2,675.23	2,675.23	16.44	45.71	71.28	-1,439.13	2,976.88	2,969.36	2,907.98	61.37	48.384		
3,000.00	2,816.04	2,758.04	2,758.04	17.52	47.16	72.15	-1,439.13	2,976.88	2,948.58	2,884.69	63.89	46.153		
3,100.00	2,898.85	2,840.85	2,840.85	18.60	48.60	73.03	-1,439.13	2,976.88	2,928.73	2,862.31	66.42	44.092		
3,200.00	2,981.67	2,923.67	2,923.67	19.69	50.05	73.92	-1,439.13	2,976.88	2,909.83	2,840.85	68.98	42.186		
3,300.00	3,064.48	3,006.48	3,006.48	20.79	51.50	74.82	-1,439.13	2,976.88	2,891.88	2,820.34	71.54	40.421		
3,400.00	3,147.30	3,089.30	3,089.30	21.90	52.94	75.72	-1,439.13	2,976.88	2,874.92	2,800.80	74.13	38.784		
3,500.00	3,230.11	3,172.11	3,172.11	23.00	54.39	76.64	-1,439.13	2,976.88	2,858.96	2,782.24	76.72	37.264		
3,600.00	3,312.92	3,254.92	3,254.92	24.12	55.83	77.55	-1,439.13	2,976.88	2,844.01	2,764.69	79.33	35.852		
3,700.00	3,395.74	3,337.74	3,337.74	25.23	57.28	78.48	-1,439.13	2,976.88	2,830.10	2,748.16	81.94	34.539		
3,800.00	3,478.55	3,420.55	3,420.55	26.35	58.72	79.41	-1,439.13	2,976.88	2,817.23	2,732.67	84.56	33.316		
3,900.00	3,561.36	3,503.36	3,503.36	27.47	60.17	80.35	-1,439.13	2,976.88	2,805.42	2,718.23	87.19	32.177		
4,000.00	3,644.18	3,586.18	3,586.18	28.59	61.61	81.29	-1,439.13	2,976.88	2,794.69	2,704.87	89.82	31.116		
4,100.00	3,726.99	3,668.99	3,668.99	29.72	63.06	82.24	-1,439.13	2,976.88	2,785.04	2,692.59	92.45	30.126		
4,200.00	3,809.81	3,751.81	3,751.81	30.85	64.50	83.19	-1,439.13	2,976.88	2,776.49	2,681.41	95.08	29.202		
4,300.00	3,892.62	3,834.62	3,834.62	31.98	65.95	84.15	-1,439.13	2,976.88	2,769.05	2,671.34	97.71	28.339		
4,400.00	3,975.43	3,917.43	3,917.43	33.11	67.39	85.11	-1,439.13	2,976.88	2,762.73	2,662.39	100.34	27.534		
4,500.00	4,058.25	4,000.25	4,000.25	34.24	68.84	86.07	-1,439.13	2,976.88	2,757.53	2,654.57	102.96	26.782		
4,600.00	4,141.06	4,083.06	4,083.06	35.37	70.29	87.04	-1,439.13	2,976.88	2,753.47	2,647.88	105.58	26.079		
4,700.00	4,223.87	4,165.87	4,165.87	36.50	71.73	88.00	-1,439.13	2,976.88	2,750.54	2,642.34	108.20	25.422		
4,800.00	4,306.69	4,248.69	4,248.69	37.64	73.18	88.97	-1,439.13	2,976.88	2,748.75	2,637.95	110.80	24.808		
4,900.00	4,389.50	4,331.50	4,331.50	38.77	74.62	89.94	-1,439.13	2,976.88	2,748.10	2,634.71	113.39	24.235		
4,906.56	4,394.94	4,336.94	4,336.94	38.85	74.72	90.00	-1,439.13	2,976.88	2,748.10	2,634.54	113.56	24.199		
5,000.00	4,472.32	4,414.32	4,414.32	39.91	76.07	90.90	-1,439.13	2,976.88	2,748.60	2,632.62	115.98	23.700		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 23-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,502.87	4,497.13	41.05	77.61	91.87	-1,439.13	2,976.88	2,750.24	2,631.59	118.65	23.180		
5,200.00	4,637.94	4,579.94	4,579.94	42.18	78.96	92.84	-1,439.13	2,976.88	2,753.02	2,631.92	121.10	22.733		
5,300.00	4,720.76	4,662.76	4,662.76	43.32	80.40	93.80	-1,439.13	2,976.88	2,756.93	2,633.29	123.64	22.297		
5,400.00	4,803.57	4,745.57	4,745.57	44.46	81.85	94.76	-1,439.13	2,976.88	2,761.98	2,635.81	126.17	21.891		
5,500.00	4,886.39	4,828.39	4,828.39	45.60	83.29	95.72	-1,439.13	2,976.88	2,768.16	2,639.48	128.68	21.512		
5,600.00	4,969.20	4,911.20	4,911.20	46.74	84.74	96.68	-1,439.13	2,976.88	2,775.45	2,644.28	131.17	21.159		
5,700.00	5,052.01	5,005.99	4,994.01	47.88	86.39	97.63	-1,439.13	2,976.88	2,783.86	2,650.00	133.85	20.798		
5,800.00	5,134.83	5,076.83	5,076.83	49.02	87.63	98.58	-1,439.13	2,976.88	2,793.36	2,657.26	136.10	20.525		
5,900.00	5,217.64	5,159.64	5,159.64	50.16	89.08	99.53	-1,439.13	2,976.88	2,803.95	2,665.42	138.53	20.240		
6,000.00	5,300.45	5,242.45	5,242.45	51.30	90.52	100.46	-1,439.13	2,976.88	2,815.62	2,674.67	140.95	19.977		
6,100.00	5,383.27	5,325.27	5,325.27	52.45	91.97	101.40	-1,439.13	2,976.88	2,828.35	2,685.01	143.34	19.732		
6,200.00	5,466.08	5,408.08	5,408.08	53.59	93.41	102.32	-1,439.13	2,976.88	2,842.13	2,696.42	145.71	19.505		
6,300.00	5,548.90	5,509.10	5,490.90	54.73	95.17	103.24	-1,439.13	2,976.88	2,856.94	2,708.56	148.38	19.255		
6,400.00	5,631.71	5,573.71	5,573.71	55.87	96.30	104.16	-1,439.13	2,976.88	2,872.77	2,722.38	150.39	19.102		
6,500.00	5,714.52	5,656.52	5,656.52	57.02	97.75	105.06	-1,439.13	2,976.88	2,889.60	2,736.91	152.69	18.924		
6,600.00	5,797.34	5,739.34	5,739.34	58.16	99.19	105.96	-1,439.13	2,976.88	2,907.41	2,752.44	154.98	18.760		
6,700.00	5,880.15	5,822.15	5,822.15	59.30	100.64	106.85	-1,439.13	2,976.88	2,926.19	2,768.95	157.24	18.609		
6,800.00	5,962.96	5,904.96	5,904.96	60.45	102.08	107.74	-1,439.13	2,976.88	2,945.92	2,786.44	159.48	18.472		
6,900.00	6,045.78	5,987.78	5,987.78	61.59	103.53	108.61	-1,439.13	2,976.88	2,966.58	2,804.87	161.70	18.346		
7,000.00	6,128.59	6,070.59	6,070.59	62.73	104.97	109.47	-1,439.13	2,976.88	2,988.14	2,824.24	163.90	18.231		
7,100.00	6,211.41	6,153.41	6,153.41	63.88	106.42	110.33	-1,439.13	2,976.88	3,010.59	2,844.51	166.08	18.127		
7,200.00	6,294.22	6,236.22	6,236.22	65.02	107.87	111.18	-1,439.13	2,976.88	3,033.91	2,865.67	168.24	18.033		
7,300.00	6,377.03	6,319.03	6,319.03	66.17	109.31	112.01	-1,439.13	2,976.88	3,058.09	2,887.71	170.38	17.949		
7,400.00	6,459.85	6,401.85	6,401.85	67.31	110.76	112.84	-1,439.13	2,976.88	3,083.09	2,910.59	172.50	17.873		
7,500.00	6,542.66	6,484.66	6,484.66	68.46	112.20	113.66	-1,439.13	2,976.88	3,108.90	2,934.30	174.60	17.806		
7,600.00	6,625.48	6,567.48	6,567.48	69.60	113.65	114.46	-1,439.13	2,976.88	3,135.50	2,958.82	176.68	17.747		
7,700.00	6,708.29	6,650.29	6,650.29	70.75	115.09	115.26	-1,439.13	2,976.88	3,162.87	2,984.13	178.74	17.695		
7,800.00	6,791.10	6,733.10	6,733.10	71.89	116.54	116.05	-1,439.13	2,976.88	3,190.99	3,010.20	180.79	17.650		
7,900.00	6,873.92	6,815.92	6,815.92	73.04	117.98	116.82	-1,439.13	2,976.88	3,219.84	3,037.03	182.82	17.612		
8,000.00	6,956.73	6,901.27	6,898.73	74.18	119.47	117.59	-1,439.13	2,976.88	3,249.40	3,064.53	184.87	17.576		
8,100.00	7,039.54	6,981.54	6,981.54	75.33	120.87	118.34	-1,439.13	2,976.88	3,279.66	3,092.83	186.83	17.554		
8,165.32	7,093.63	7,035.63	7,035.63	76.08	121.82	118.83	-1,439.13	2,976.88	3,299.78	3,111.66	188.12	17.540		
8,200.00	7,122.60	7,064.60	7,064.60	76.47	122.32	114.22	-1,439.13	2,976.88	3,309.58	3,120.77	188.81	17.528		
8,250.00	7,165.05	7,107.05	7,107.05	77.01	123.06	106.87	-1,439.13	2,976.88	3,320.28	3,130.45	189.83	17.491		
8,300.00	7,208.03	7,150.03	7,150.03	77.52	123.81	98.91	-1,439.13	2,976.88	3,326.87	3,136.02	190.84	17.432		
8,350.00	7,251.22	7,206.78	7,193.22	77.99	124.80	90.71	-1,439.13	2,976.88	3,329.31	3,137.21	192.10	17.331		
8,400.00	7,294.28	7,236.28	7,236.28	78.41	125.32	82.70	-1,439.13	2,976.88	3,327.59	3,134.73	192.86	17.254		
8,450.00	7,336.90	7,278.90	7,278.90	78.78	126.06	75.28	-1,439.13	2,976.88	3,321.73	3,127.88	193.84	17.136		
8,500.00	7,378.73	7,320.73	7,320.73	79.10	126.79	68.73	-1,439.13	2,976.88	3,311.77	3,116.98	194.79	17.002		
8,550.00	7,419.47	7,361.47	7,361.47	79.37	127.50	63.14	-1,439.13	2,976.88	3,297.79	3,102.09	195.70	16.851		
8,600.00	7,458.81	7,400.81	7,400.81	79.59	128.19	58.53	-1,439.13	2,976.88	3,279.90	3,083.33	196.56	16.686		
8,650.00	7,496.44	7,438.44	7,438.44	79.76	128.85	54.84	-1,439.13	2,976.88	3,258.21	3,060.84	197.37	16.508		
8,700.00	7,532.08	7,474.08	7,474.08	79.88	129.47	51.97	-1,439.13	2,976.88	3,232.89	3,034.76	198.13	16.317		
8,750.00	7,565.46	7,507.46	7,507.46	79.95	130.05	49.86	-1,439.13	2,976.88	3,204.11	3,005.29	198.82	16.116		
8,800.00	7,596.33	7,538.33	7,538.33	79.98	130.59	48.45	-1,439.13	2,976.88	3,172.09	2,972.64	199.45	15.904		
8,850.00	7,624.44	7,566.44	7,566.44	79.97	131.08	47.72	-1,439.13	2,976.88	3,137.04	2,937.02	200.01	15.684		
8,900.00	7,649.59	7,608.41	7,591.59	79.93	131.81	47.68	-1,439.13	2,976.88	3,099.20	2,898.41	200.80	15.434		
8,950.00	7,671.59	7,613.59	7,613.59	79.84	131.90	48.41	-1,439.13	2,976.88	3,058.86	2,857.93	200.93	15.224		
9,000.00	7,690.26	7,632.26	7,632.26	79.73	132.23	50.07	-1,439.13	2,976.88	3,016.28	2,815.01	201.27	14.986		
9,050.00	7,705.47	7,647.47	7,647.47	79.59	132.50	52.98	-1,439.13	2,976.88	2,971.78	2,770.23	201.55	14.745		
9,100.00	7,717.09	7,659.09	7,659.09	79.43	132.70	57.73	-1,439.13	2,976.88	2,925.65	2,723.90	201.76	14.501		
9,150.00	7,725.04	7,667.04	7,667.04	79.26	132.84	65.43	-1,439.13	2,976.88	2,878.24	2,676.35	201.89	14.256		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 23-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,671.27	7,671.27	79.06	132.91	78.18	-1,439.13	2,976.88	2,829.87	2,627.91	201.96	14.012		
9,231.13	7,730.00	7,672.00	7,672.00	78.93	132.92	90.00	-1,439.13	2,976.88	2,799.42	2,597.45	201.97	13.861		
9,300.00	7,730.00	7,672.00	7,672.00	78.65	132.92	90.00	-1,439.13	2,976.88	2,731.89	2,529.93	201.96	13.527		
9,400.00	7,730.00	7,672.00	7,672.00	78.26	132.92	90.00	-1,439.13	2,976.88	2,633.97	2,432.03	201.94	13.043		
9,500.00	7,730.00	7,672.00	7,672.00	77.89	132.92	90.00	-1,439.13	2,976.88	2,536.21	2,334.28	201.93	12.560		
9,600.00	7,730.00	7,672.00	7,672.00	77.53	132.92	90.00	-1,439.13	2,976.88	2,438.63	2,236.72	201.90	12.078		
9,700.00	7,730.00	7,672.00	7,672.00	77.19	132.92	90.00	-1,439.13	2,976.88	2,341.25	2,139.37	201.88	11.597		
9,800.00	7,730.00	7,672.00	7,672.00	76.88	132.92	90.00	-1,439.13	2,976.88	2,244.10	2,042.25	201.85	11.118		
9,900.00	7,730.00	7,672.00	7,672.00	76.58	132.92	90.00	-1,439.13	2,976.88	2,147.22	1,945.40	201.82	10.639		
10,000.00	7,730.00	7,672.00	7,672.00	76.30	132.92	90.00	-1,439.13	2,976.88	2,050.63	1,848.86	201.78	10.163		
10,100.00	7,730.00	7,672.00	7,672.00	76.04	132.92	90.00	-1,439.13	2,976.88	1,954.39	1,752.66	201.73	9.688		
10,200.00	7,730.00	7,672.00	7,672.00	75.79	132.92	90.00	-1,439.13	2,976.88	1,858.55	1,656.88	201.67	9.216		
10,300.00	7,730.00	7,672.00	7,672.00	75.57	132.92	90.00	-1,439.13	2,976.88	1,763.16	1,561.57	201.60	8.746		
10,400.00	7,730.00	7,672.00	7,672.00	75.36	132.92	90.00	-1,439.13	2,976.88	1,668.32	1,466.81	201.51	8.279		
10,500.00	7,730.00	7,672.00	7,672.00	75.18	132.92	90.00	-1,439.13	2,976.88	1,574.12	1,372.72	201.40	7.816		
10,600.00	7,730.00	7,672.00	7,672.00	75.01	132.92	90.00	-1,439.13	2,976.88	1,480.67	1,279.41	201.26	7.357		
10,700.00	7,730.00	7,672.00	7,672.00	74.86	132.92	90.00	-1,439.13	2,976.88	1,388.14	1,187.05	201.09	6.903		
10,800.00	7,730.00	7,672.00	7,672.00	74.74	132.92	90.00	-1,439.13	2,976.88	1,296.72	1,095.84	200.88	6.455		
10,900.00	7,730.00	7,672.00	7,672.00	74.64	132.92	90.00	-1,439.13	2,976.88	1,206.66	1,006.06	200.60	6.015		
11,000.00	7,730.00	7,672.00	7,672.00	74.56	132.92	90.00	-1,439.13	2,976.88	1,118.30	918.04	200.25	5.584		
11,100.00	7,730.00	7,672.00	7,672.00	74.51	132.92	90.00	-1,439.13	2,976.88	1,032.05	832.26	199.79	5.166		
11,200.00	7,730.00	7,672.00	7,672.00	74.48	132.92	90.00	-1,439.13	2,976.88	948.52	749.32	199.19	4.762		
11,300.00	7,730.00	7,672.00	7,672.00	74.48	132.92	90.00	-1,439.13	2,976.88	868.47	670.06	198.40	4.377		
11,400.00	7,730.00	7,672.00	7,672.00	74.50	132.92	90.00	-1,439.13	2,976.88	792.96	595.59	197.36	4.018		
11,500.00	7,730.00	7,672.00	7,672.00	74.56	132.92	90.00	-1,439.13	2,976.88	723.42	527.41	196.01	3.691		
11,600.00	7,730.00	7,672.00	7,672.00	74.66	132.92	90.00	-1,439.13	2,976.88	661.73	467.43	194.29	3.406		
11,700.00	7,730.00	7,672.00	7,672.00	74.79	132.92	90.00	-1,439.13	2,976.88	610.27	418.04	192.23	3.175		
11,800.00	7,730.00	7,672.00	7,672.00	74.96	132.92	90.00	-1,439.13	2,976.88	571.82	381.82	190.00	3.010		
11,900.00	7,730.00	7,672.00	7,672.00	75.17	132.92	90.00	-1,439.13	2,976.88	549.12	361.10	188.02	2.921		
11,977.25	7,730.00	7,672.00	7,672.00	75.36	132.92	90.00	-1,439.13	2,976.88	543.66	356.66	187.00	2.907	CC, ES, SF	
12,000.00	7,730.00	7,672.00	7,672.00	75.43	132.92	90.00	-1,439.13	2,976.88	544.13	357.32	186.82	2.913		
12,100.00	7,730.00	7,672.00	7,672.00	75.73	132.92	90.00	-1,439.13	2,976.88	557.34	370.61	186.73	2.985		
12,200.00	7,730.00	7,672.00	7,672.00	76.09	132.92	90.00	-1,439.13	2,976.88	587.52	399.88	187.64	3.131		
12,300.00	7,730.00	7,672.00	7,672.00	76.51	132.92	90.00	-1,439.13	2,976.88	632.24	443.13	189.11	3.343		
12,400.00	7,730.00	7,672.00	7,672.00	76.97	132.92	90.00	-1,439.13	2,976.88	688.68	497.93	190.75	3.610		
12,500.00	7,730.00	7,672.00	7,672.00	77.50	132.92	90.00	-1,439.13	2,976.88	754.21	561.92	192.28	3.922		
12,600.00	7,730.00	7,672.00	7,672.00	78.09	132.92	90.00	-1,439.13	2,976.88	826.67	633.04	193.62	4.269		
12,700.00	7,730.00	7,672.00	7,672.00	78.74	132.92	90.00	-1,439.13	2,976.88	904.39	709.64	194.75	4.644		
12,800.00	7,730.00	7,672.00	7,672.00	79.45	132.92	90.00	-1,439.13	2,976.88	986.14	790.46	195.68	5.039		
12,900.00	7,730.00	7,672.00	7,672.00	80.22	132.92	90.00	-1,439.13	2,976.88	1,070.99	874.54	196.45	5.452		
13,000.00	7,730.00	7,672.00	7,672.00	81.05	132.92	90.00	-1,439.13	2,976.88	1,158.26	961.17	197.09	5.877		
13,100.00	7,730.00	7,672.00	7,672.00	81.94	132.92	90.00	-1,439.13	2,976.88	1,247.45	1,049.82	197.62	6.312		
13,200.00	7,730.00	7,672.00	7,672.00	82.87	132.92	90.00	-1,439.13	2,976.88	1,338.16	1,140.09	198.07	6.756		
13,300.00	7,730.00	7,672.00	7,672.00	83.86	132.92	90.00	-1,439.13	2,976.88	1,430.11	1,231.67	198.45	7.207		
13,400.00	7,730.00	7,672.00	7,672.00	84.90	132.92	90.00	-1,439.13	2,976.88	1,523.08	1,324.31	198.77	7.663		
13,500.00	7,730.00	7,672.00	7,672.00	85.97	132.92	90.00	-1,439.13	2,976.88	1,616.89	1,417.84	199.05	8.123		
13,600.00	7,730.00	7,672.00	7,672.00	87.09	132.92	90.00	-1,439.13	2,976.88	1,711.39	1,512.11	199.29	8.587		
13,700.00	7,730.00	7,672.00	7,672.00	88.25	132.92	90.00	-1,439.13	2,976.88	1,806.49	1,606.99	199.50	9.055		
13,800.00	7,730.00	7,672.00	7,672.00	89.44	132.92	90.00	-1,439.13	2,976.88	1,902.10	1,702.41	199.69	9.525		
13,900.00	7,730.00	7,672.00	7,672.00	90.66	132.92	90.00	-1,439.13	2,976.88	1,998.13	1,798.27	199.85	9.998		
14,000.00	7,730.00	7,672.00	7,672.00	91.92	132.92	90.00	-1,439.13	2,976.88	2,094.53	1,894.53	200.00	10.472		
14,100.00	7,730.00	7,672.00	7,672.00	93.20	132.92	90.00	-1,439.13	2,976.88	2,191.26	1,991.12	200.14	10.949		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 23-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,672.00	7,672.00	94.50	132.92	90.00	-1,439.13	2,976.88	2,288.27	2,088.01	200.26	11.426		
14,300.00	7,730.00	7,672.00	7,672.00	95.83	132.92	90.00	-1,439.13	2,976.88	2,385.52	2,185.15	200.37	11.905		
14,400.00	7,730.00	7,672.00	7,672.00	97.17	132.92	90.00	-1,439.13	2,976.88	2,483.00	2,282.52	200.47	12.386		
14,500.00	7,730.00	7,672.00	7,672.00	98.54	132.92	90.00	-1,439.13	2,976.88	2,580.66	2,380.09	200.57	12.867		
14,600.00	7,730.00	7,672.00	7,672.00	99.92	132.92	90.00	-1,439.13	2,976.88	2,678.50	2,477.85	200.66	13.349		
14,700.00	7,730.00	7,672.00	7,672.00	101.32	132.92	90.00	-1,439.13	2,976.88	2,776.49	2,575.76	200.74	13.831		
14,800.00	7,730.00	7,672.00	7,672.00	102.74	132.92	90.00	-1,439.13	2,976.88	2,874.62	2,673.81	200.81	14.315		
14,900.00	7,730.00	7,672.00	7,672.00	104.17	132.92	90.00	-1,439.13	2,976.88	2,972.88	2,771.99	200.89	14.799		
15,000.00	7,730.00	7,672.00	7,672.00	105.62	132.92	90.00	-1,439.13	2,976.88	3,071.25	2,870.30	200.95	15.283		
15,100.00	7,730.00	7,672.00	7,672.00	107.07	132.92	90.00	-1,439.13	2,976.88	3,169.72	2,968.70	201.02	15.768		
15,200.00	7,730.00	7,672.00	7,672.00	108.54	132.92	90.00	-1,439.13	2,976.88	3,268.28	3,067.20	201.08	16.254		
15,300.00	7,730.00	7,672.00	7,672.00	110.02	132.92	90.00	-1,439.13	2,976.88	3,366.93	3,165.79	201.14	16.740		
15,400.00	7,730.00	7,672.00	7,672.00	111.51	132.92	90.00	-1,439.13	2,976.88	3,465.65	3,264.46	201.19	17.226		
15,500.00	7,730.00	7,672.00	7,672.00	113.01	132.92	90.00	-1,439.13	2,976.88	3,564.45	3,363.20	201.25	17.712		
15,600.00	7,730.00	7,672.00	7,672.00	114.52	132.92	90.00	-1,439.13	2,976.88	3,663.31	3,462.01	201.30	18.198		
15,700.00	7,730.00	7,672.00	7,672.00	116.04	132.92	90.00	-1,439.13	2,976.88	3,762.23	3,560.89	201.35	18.685		
15,800.00	7,730.00	7,672.00	7,672.00	117.56	132.92	90.00	-1,439.13	2,976.88	3,861.21	3,659.82	201.40	19.172		
15,900.00	7,730.00	7,672.00	7,672.00	119.09	132.92	90.00	-1,439.13	2,976.88	3,960.24	3,758.80	201.44	19.659		
16,000.00	7,730.00	7,672.00	7,672.00	120.63	132.92	90.00	-1,439.13	2,976.88	4,059.32	3,857.83	201.49	20.146		
16,100.00	7,730.00	7,672.00	7,672.00	122.18	132.92	90.00	-1,439.13	2,976.88	4,158.44	3,956.90	201.54	20.634		
16,200.00	7,730.00	7,672.00	7,672.00	123.73	132.92	90.00	-1,439.13	2,976.88	4,257.60	4,056.02	201.58	21.121		
16,300.00	7,730.00	7,672.00	7,672.00	125.29	132.92	90.00	-1,439.13	2,976.88	4,356.80	4,155.18	201.62	21.609		
16,400.00	7,730.00	7,672.00	7,672.00	126.86	132.92	90.00	-1,439.13	2,976.88	4,456.04	4,254.37	201.66	22.096		
16,500.00	7,730.00	7,672.00	7,672.00	128.43	132.92	90.00	-1,439.13	2,976.88	4,555.31	4,353.60	201.71	22.584		
16,600.00	7,730.00	7,672.00	7,672.00	130.01	132.92	90.00	-1,439.13	2,976.88	4,654.61	4,452.86	201.75	23.071		
16,700.00	7,730.00	7,672.00	7,672.00	131.59	132.92	90.00	-1,439.13	2,976.88	4,753.94	4,552.15	201.79	23.559		
16,800.00	7,730.00	7,672.00	7,672.00	133.18	132.92	90.00	-1,439.13	2,976.88	4,853.29	4,651.47	201.83	24.047		
16,900.00	7,730.00	7,672.00	7,672.00	134.77	132.92	90.00	-1,439.13	2,976.88	4,952.68	4,750.81	201.87	24.534		
17,000.00	7,730.00	7,672.00	7,672.00	136.37	132.92	90.00	-1,439.13	2,976.88	5,052.08	4,850.18	201.91	25.022		
17,100.00	7,730.00	7,672.00	7,672.00	137.97	132.92	90.00	-1,439.13	2,976.88	5,151.51	4,949.57	201.95	25.509		
17,200.00	7,730.00	7,672.00	7,672.00	139.57	132.92	90.00	-1,439.13	2,976.88	5,250.97	5,048.98	201.98	25.997		
17,300.00	7,730.00	7,672.00	7,672.00	141.18	132.92	90.00	-1,439.13	2,976.88	5,350.44	5,148.42	202.02	26.484		
17,400.00	7,730.00	7,672.00	7,672.00	142.79	132.92	90.00	-1,439.13	2,976.88	5,449.93	5,247.87	202.06	26.972		
17,500.00	7,730.00	7,672.00	7,672.00	144.41	132.92	90.00	-1,439.13	2,976.88	5,549.44	5,347.34	202.10	27.459		
17,600.00	7,730.00	7,672.00	7,672.00	146.03	132.92	90.00	-1,439.13	2,976.88	5,648.97	5,446.83	202.14	27.946		
17,700.00	7,730.00	7,672.00	7,672.00	147.65	132.92	90.00	-1,439.13	2,976.88	5,748.51	5,546.34	202.18	28.433		
17,800.00	7,730.00	7,672.00	7,672.00	149.28	132.92	90.00	-1,439.13	2,976.88	5,848.07	5,645.86	202.21	28.920		
17,900.00	7,730.00	7,672.00	7,672.00	150.91	132.92	90.00	-1,439.13	2,976.88	5,947.65	5,745.40	202.25	29.407		
18,000.00	7,730.00	7,672.00	7,672.00	152.54	132.92	90.00	-1,439.13	2,976.88	6,047.23	5,844.95	202.29	29.894		
18,100.00	7,730.00	7,672.00	7,672.00	154.18	132.92	90.00	-1,439.13	2,976.88	6,146.84	5,944.51	202.33	30.381		
18,200.00	7,730.00	7,672.00	7,672.00	155.82	132.92	90.00	-1,439.13	2,976.88	6,246.45	6,044.09	202.36	30.867		
18,300.00	7,730.00	7,672.00	7,672.00	157.46	132.92	90.00	-1,439.13	2,976.88	6,346.08	6,143.67	202.40	31.354		
18,400.00	7,730.00	7,672.00	7,672.00	159.11	132.92	90.00	-1,439.13	2,976.88	6,445.72	6,243.27	202.44	31.840		
18,500.00	7,730.00	7,672.00	7,672.00	160.75	132.92	90.00	-1,439.13	2,976.88	6,545.36	6,342.89	202.48	32.326		
18,600.00	7,730.00	7,672.00	7,672.00	162.40	132.92	90.00	-1,439.13	2,976.88	6,645.02	6,442.51	202.52	32.812		
18,700.00	7,730.00	7,672.00	7,672.00	164.05	132.92	90.00	-1,439.13	2,976.88	6,744.69	6,542.14	202.55	33.298		
18,800.00	7,730.00	7,672.00	7,672.00	165.71	132.92	90.00	-1,439.13	2,976.88	6,844.37	6,641.78	202.59	33.784		
18,900.00	7,730.00	7,672.00	7,672.00	167.36	132.92	90.00	-1,439.13	2,976.88	6,944.06	6,741.43	202.63	34.269		
18,942.39	7,730.00	7,672.00	7,672.00	168.07	132.92	90.00	-1,439.13	2,976.88	6,986.32	6,783.67	202.65	34.475		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 33-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	108.59	-1,435.29	4,267.77	4,502.81					
100.00	100.00	63.00	63.00	0.13	0.48	108.59	-1,435.29	4,267.77	4,502.66	4,502.04	0.61	7,348.453		
200.00	200.00	163.00	163.00	0.49	1.86	108.59	-1,435.29	4,267.77	4,502.66	4,500.30	2.35	1,914.659		
300.00	300.00	263.00	263.00	0.85	3.60	108.59	-1,435.29	4,267.77	4,502.66	4,498.20	4.46	1,010.589		
400.00	400.00	363.00	363.00	1.21	5.35	108.59	-1,435.29	4,267.77	4,502.66	4,496.10	6.56	686.456		
500.00	500.00	463.00	463.00	1.57	7.09	108.59	-1,435.29	4,267.77	4,502.66	4,493.99	8.66	519.752		
600.00	600.00	563.00	563.00	1.93	8.84	108.59	-1,435.29	4,267.77	4,502.66	4,491.89	10.77	418.195		
700.00	700.00	663.00	663.00	2.29	10.59	108.59	-1,435.29	4,267.77	4,502.66	4,489.78	12.87	349.838		
800.00	800.00	763.00	763.00	2.64	12.33	108.59	-1,435.29	4,267.77	4,502.66	4,487.68	14.97	300.689		
900.00	899.98	862.98	862.98	3.00	14.08	49.04	-1,435.29	4,267.77	4,501.51	4,484.44	17.07	263.653		
1,000.00	999.84	962.84	962.84	3.35	15.82	49.14	-1,435.29	4,267.77	4,498.08	4,478.91	19.17	234.657		
1,100.00	1,099.45	1,062.45	1,062.45	3.71	17.56	49.31	-1,435.29	4,267.77	4,492.38	4,471.11	21.26	211.272		
1,200.00	1,198.70	1,161.70	1,161.70	4.08	19.29	49.55	-1,435.29	4,267.77	4,484.41	4,461.06	23.36	191.986		
1,300.00	1,297.47	1,260.47	1,260.47	4.47	21.01	49.86	-1,435.29	4,267.77	4,474.22	4,448.77	25.45	175.783		
1,400.00	1,395.62	1,358.62	1,358.62	4.87	22.73	50.23	-1,435.29	4,267.77	4,461.84	4,434.29	27.55	161.951		
1,500.00	1,493.06	1,456.06	1,456.06	5.31	24.43	50.68	-1,435.29	4,267.77	4,447.29	4,417.64	29.65	149.984		
1,600.00	1,589.64	1,552.64	1,552.64	5.77	26.11	51.19	-1,435.29	4,267.77	4,430.64	4,398.88	31.76	139.507		
1,700.00	1,685.27	1,648.27	1,648.27	6.28	27.78	51.78	-1,435.29	4,267.77	4,411.94	4,378.06	33.88	130.240		
1,800.00	1,779.82	1,742.82	1,742.82	6.83	29.43	52.44	-1,435.29	4,267.77	4,391.25	4,355.25	36.00	121.969		
1,900.00	1,873.17	1,836.17	1,836.17	7.43	31.06	53.17	-1,435.29	4,267.77	4,368.64	4,330.50	38.14	114.530		
2,000.00	1,965.21	1,928.21	1,928.21	8.08	32.67	53.96	-1,435.29	4,267.77	4,344.20	4,303.89	40.30	107.790		
2,100.00	2,055.84	2,018.84	2,018.84	8.79	34.25	54.83	-1,435.29	4,267.77	4,318.00	4,275.52	42.48	101.648		
2,200.00	2,144.94	2,107.94	2,107.94	9.56	35.80	55.77	-1,435.29	4,267.77	4,290.14	4,245.46	44.68	96.020		
2,300.00	2,232.39	2,204.61	2,195.39	10.39	37.49	56.78	-1,435.29	4,267.77	4,260.72	4,213.66	47.07	90.528		
2,400.00	2,318.11	2,281.11	2,281.11	11.30	38.83	57.85	-1,435.29	4,267.77	4,229.85	4,180.70	49.16	86.048		
2,504.60	2,405.78	2,368.78	2,368.78	12.31	40.36	59.04	-1,435.29	4,267.77	4,196.14	4,144.60	51.55	81.407		
2,600.00	2,484.79	2,447.79	2,447.79	13.28	41.74	59.59	-1,435.29	4,267.77	4,165.00	4,111.25	53.75	77.484		
2,700.00	2,567.60	2,530.60	2,530.60	14.32	43.18	60.18	-1,435.29	4,267.77	4,132.84	4,076.75	56.10	73.673		
2,800.00	2,650.41	2,613.41	2,613.41	15.37	44.63	60.77	-1,435.29	4,267.77	4,101.20	4,042.74	58.47	70.144		
2,900.00	2,733.23	2,703.77	2,696.23	16.44	46.20	61.37	-1,435.29	4,267.77	4,070.09	4,009.09	61.00	66.726		
3,000.00	2,816.04	2,779.04	2,779.04	17.52	47.52	61.98	-1,435.29	4,267.77	4,039.51	3,976.23	63.28	63.831		
3,100.00	2,898.85	2,861.85	2,861.85	18.60	48.96	62.59	-1,435.29	4,267.77	4,009.49	3,943.76	65.73	61.003		
3,200.00	2,981.67	2,944.67	2,944.67	19.69	50.41	63.21	-1,435.29	4,267.77	3,980.02	3,911.84	68.19	58.370		
3,300.00	3,064.48	3,027.48	3,027.48	20.79	51.85	63.84	-1,435.29	4,267.77	3,951.14	3,880.47	70.67	55.913		
3,400.00	3,147.30	3,110.30	3,110.30	21.90	53.30	64.47	-1,435.29	4,267.77	3,922.84	3,849.67	73.16	53.618		
3,500.00	3,230.11	3,206.89	3,193.11	23.00	54.98	65.11	-1,435.29	4,267.77	3,895.14	3,819.22	75.92	51.308		
3,600.00	3,312.92	3,275.92	3,275.92	24.12	56.19	65.76	-1,435.29	4,267.77	3,868.05	3,789.85	78.20	49.461		
3,700.00	3,395.74	3,358.74	3,358.74	25.23	57.63	66.42	-1,435.29	4,267.77	3,841.60	3,760.85	80.75	47.575		
3,800.00	3,478.55	3,441.55	3,441.55	26.35	59.08	67.08	-1,435.29	4,267.77	3,815.78	3,732.47	83.31	45.805		
3,900.00	3,561.36	3,524.36	3,524.36	27.47	60.53	67.74	-1,435.29	4,267.77	3,790.61	3,704.74	85.88	44.140		
4,000.00	3,644.18	3,607.18	3,607.18	28.59	61.97	68.42	-1,435.29	4,267.77	3,766.12	3,677.65	88.46	42.574		
4,100.00	3,726.99	3,689.99	3,689.99	29.72	63.42	69.10	-1,435.29	4,267.77	3,742.30	3,651.24	91.06	41.099		
4,200.00	3,809.81	3,772.81	3,772.81	30.85	64.86	69.78	-1,435.29	4,267.77	3,719.17	3,625.51	93.66	39.708		
4,300.00	3,892.62	3,855.62	3,855.62	31.98	66.31	70.47	-1,435.29	4,267.77	3,696.75	3,600.47	96.28	38.395		
4,400.00	3,975.43	3,938.43	3,938.43	33.11	67.75	71.17	-1,435.29	4,267.77	3,675.05	3,576.14	98.91	37.156		
4,500.00	4,058.25	4,021.25	4,021.25	34.24	69.20	71.88	-1,435.29	4,267.77	3,654.07	3,552.53	101.55	35.984		
4,600.00	4,141.06	4,104.06	4,104.06	35.37	70.64	72.59	-1,435.29	4,267.77	3,633.84	3,529.65	104.19	34.876		
4,700.00	4,223.87	4,186.87	4,186.87	36.50	72.09	73.30	-1,435.29	4,267.77	3,614.37	3,507.53	106.85	33.828		
4,800.00	4,306.69	4,269.69	4,269.69	37.64	73.53	74.02	-1,435.29	4,267.77	3,595.67	3,486.16	109.51	32.835		
4,900.00	4,389.50	4,352.50	4,352.50	38.77	74.98	74.75	-1,435.29	4,267.77	3,577.74	3,465.57	112.18	31.894		
5,000.00	4,472.32	4,435.32	4,435.32	39.91	76.42	75.48	-1,435.29	4,267.77	3,560.61	3,445.77	114.85	31.003		
5,100.00	4,555.13	4,518.13	4,518.13	41.05	77.87	76.22	-1,435.29	4,267.77	3,544.29	3,426.76	117.53	30.158		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 33-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,600.94	4,600.94	42.18	79.32	76.96	-1,435.29	4,267.77	3,528.77	3,408.57	120.21	29.356		
5,300.00	4,720.76	4,683.76	4,683.76	43.32	80.76	77.70	-1,435.29	4,267.77	3,514.09	3,391.19	122.89	28.595		
5,400.00	4,803.57	4,766.57	4,766.57	44.46	82.21	78.45	-1,435.29	4,267.77	3,500.24	3,374.66	125.58	27.873		
5,500.00	4,886.39	4,849.39	4,849.39	45.60	83.65	79.20	-1,435.29	4,267.77	3,487.23	3,358.96	128.27	27.188		
5,600.00	4,969.20	4,932.20	4,932.20	46.74	85.10	79.96	-1,435.29	4,267.77	3,475.08	3,344.13	130.95	26.537		
5,700.00	5,052.01	5,015.01	5,015.01	47.88	86.54	80.72	-1,435.29	4,267.77	3,463.80	3,330.16	133.64	25.919		
5,800.00	5,134.83	5,102.17	5,097.83	49.02	88.06	81.48	-1,435.29	4,267.77	3,453.38	3,316.98	136.40	25.318		
5,900.00	5,217.64	5,180.64	5,180.64	50.16	89.43	82.25	-1,435.29	4,267.77	3,443.85	3,304.85	139.01	24.774		
6,000.00	5,300.45	5,263.45	5,263.45	51.30	90.88	83.02	-1,435.29	4,267.77	3,435.21	3,293.52	141.69	24.245		
6,100.00	5,383.27	5,346.27	5,346.27	52.45	92.32	83.79	-1,435.29	4,267.77	3,427.46	3,283.10	144.36	23.742		
6,200.00	5,466.08	5,429.08	5,429.08	53.59	93.77	84.57	-1,435.29	4,267.77	3,420.62	3,273.59	147.03	23.265		
6,300.00	5,548.90	5,511.90	5,511.90	54.73	95.21	85.34	-1,435.29	4,267.77	3,414.68	3,264.99	149.69	22.811		
6,400.00	5,631.71	5,605.29	5,594.71	55.87	96.84	86.12	-1,435.29	4,267.77	3,409.65	3,257.12	152.53	22.354		
6,500.00	5,714.52	5,677.52	5,677.52	57.02	98.11	86.90	-1,435.29	4,267.77	3,405.54	3,250.54	154.99	21.972		
6,600.00	5,797.34	5,760.34	5,760.34	58.16	99.55	87.68	-1,435.29	4,267.77	3,402.34	3,244.71	157.63	21.584		
6,700.00	5,880.15	5,843.15	5,843.15	59.30	101.00	88.47	-1,435.29	4,267.77	3,400.07	3,239.81	160.26	21.216		
6,800.00	5,962.96	5,925.96	5,925.96	60.45	102.44	89.25	-1,435.29	4,267.77	3,398.72	3,235.85	162.87	20.867		
6,896.12	6,042.56	6,005.56	6,005.56	61.55	103.83	90.00	-1,435.29	4,267.77	3,398.29	3,232.92	165.37	20.549		
6,900.00	6,045.78	6,008.78	6,008.78	61.59	103.89	90.03	-1,435.29	4,267.77	3,398.29	3,232.82	165.48	20.537		
7,000.00	6,128.59	6,108.41	6,091.59	62.73	105.63	90.81	-1,435.29	4,267.77	3,398.79	3,230.43	168.36	20.188		
7,100.00	6,211.41	6,174.41	6,174.41	63.88	106.78	91.60	-1,435.29	4,267.77	3,400.21	3,229.57	170.64	19.926		
7,200.00	6,294.22	6,257.22	6,257.22	65.02	108.22	92.38	-1,435.29	4,267.77	3,402.56	3,229.35	173.20	19.645		
7,300.00	6,377.03	6,340.03	6,340.03	66.17	109.67	93.16	-1,435.29	4,267.77	3,405.82	3,230.07	175.75	19.379		
7,400.00	6,459.85	6,422.85	6,422.85	67.31	111.11	93.94	-1,435.29	4,267.77	3,410.01	3,231.73	178.28	19.127		
7,500.00	6,542.66	6,505.66	6,505.66	68.46	112.56	94.72	-1,435.29	4,267.77	3,415.11	3,234.31	180.80	18.889		
7,600.00	6,625.48	6,588.48	6,588.48	69.60	114.00	95.49	-1,435.29	4,267.77	3,421.12	3,237.82	183.29	18.665		
7,700.00	6,708.29	6,671.29	6,671.29	70.75	115.45	96.27	-1,435.29	4,267.77	3,428.03	3,242.26	185.77	18.453		
7,800.00	6,791.10	6,754.10	6,754.10	71.89	116.90	97.04	-1,435.29	4,267.77	3,435.85	3,247.62	188.23	18.253		
7,900.00	6,873.92	6,836.92	6,836.92	73.04	118.34	97.81	-1,435.29	4,267.77	3,444.56	3,253.88	190.68	18.065		
8,000.00	6,956.73	6,919.73	6,919.73	74.18	119.79	98.57	-1,435.29	4,267.77	3,454.16	3,261.06	193.10	17.888		
8,100.00	7,039.54	7,002.54	7,002.54	75.33	121.23	99.34	-1,435.29	4,267.77	3,464.64	3,269.13	195.51	17.721		
8,165.32	7,093.63	7,056.63	7,056.63	76.08	122.18	99.84	-1,435.29	4,267.77	3,471.96	3,274.89	197.07	17.618		
8,200.00	7,122.60	7,085.60	7,085.60	76.47	122.68	95.36	-1,435.29	4,267.77	3,474.99	3,277.09	197.90	17.560		
8,250.00	7,165.05	7,128.05	7,128.05	77.01	123.42	88.10	-1,435.29	4,267.77	3,475.99	3,276.90	199.09	17.459		
8,300.00	7,208.03	7,171.03	7,171.03	77.52	124.17	80.09	-1,435.29	4,267.77	3,472.97	3,272.70	200.27	17.341		
8,350.00	7,251.22	7,214.22	7,214.22	77.99	124.93	71.69	-1,435.29	4,267.77	3,465.95	3,264.52	201.44	17.206		
8,400.00	7,294.28	7,257.28	7,257.28	78.41	125.68	63.34	-1,435.29	4,267.77	3,454.95	3,252.38	202.57	17.056		
8,450.00	7,336.90	7,300.10	7,299.90	78.78	126.42	55.43	-1,435.29	4,267.77	3,440.02	3,236.35	203.67	16.890		
8,500.00	7,378.73	7,341.73	7,341.73	79.10	127.15	48.19	-1,435.29	4,267.77	3,421.25	3,216.54	204.71	16.713		
8,550.00	7,419.47	7,382.47	7,382.47	79.37	127.86	41.72	-1,435.29	4,267.77	3,398.76	3,193.06	205.70	16.523		
8,600.00	7,458.81	7,421.81	7,421.81	79.59	128.55	35.98	-1,435.29	4,267.77	3,372.69	3,166.06	206.64	16.322		
8,650.00	7,496.44	7,459.44	7,459.44	79.76	129.21	30.84	-1,435.29	4,267.77	3,343.21	3,135.71	207.50	16.112		
8,700.00	7,532.08	7,504.92	7,495.08	79.88	130.00	26.16	-1,435.29	4,267.77	3,310.52	3,102.05	208.47	15.880		
8,750.00	7,565.46	7,528.46	7,528.46	79.95	130.41	21.74	-1,435.29	4,267.77	3,274.85	3,065.83	209.03	15.667		
8,800.00	7,596.33	7,559.33	7,559.33	79.98	130.95	17.37	-1,435.29	4,267.77	3,236.45	3,026.78	209.67	15.436		
8,850.00	7,624.44	7,587.44	7,587.44	79.97	131.44	12.76	-1,435.29	4,267.77	3,195.59	2,985.35	210.24	15.200		
8,900.00	7,649.59	7,612.59	7,612.59	79.93	131.88	7.56	-1,435.29	4,267.77	3,152.57	2,941.85	210.72	14.961		
8,950.00	7,671.59	7,634.59	7,634.59	79.84	132.26	1.21	-1,435.29	4,267.77	3,107.72	2,896.59	211.13	14.720		
9,000.00	7,690.26	7,653.26	7,653.26	79.73	132.59	-7.19	-1,435.29	4,267.77	3,061.36	2,849.91	211.44	14.478		
9,050.00	7,705.47	7,668.47	7,668.47	79.59	132.85	-19.00	-1,435.29	4,267.77	3,013.85	2,802.18	211.68	14.238		
9,100.00	7,717.09	7,680.09	7,680.09	79.43	133.06	-35.83	-1,435.29	4,267.77	2,965.57	2,753.75	211.82	14.000		
9,150.00	7,725.04	7,688.04	7,688.04	79.26	133.20	-57.40	-1,435.29	4,267.77	2,916.89	2,705.00	211.88	13.766		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 33-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,707.73	7,692.27	79.06	133.54	-78.97	-1,435.29	4,267.77	2,868.20	2,656.07	212.13	13.521		
9,231.13	7,730.00	7,707.00	7,693.00	78.93	133.53	-90.00	-1,435.29	4,267.77	2,838.06	2,626.01	212.05	13.384		
9,300.00	7,730.00	7,707.00	7,693.00	78.65	133.53	-90.00	-1,435.29	4,267.77	2,771.68	2,559.80	211.88	13.081		
9,400.00	7,730.00	7,707.00	7,693.00	78.26	133.53	-90.00	-1,435.29	4,267.77	2,675.52	2,463.89	211.63	12.642		
9,500.00	7,730.00	7,707.00	7,693.00	77.89	133.53	-90.00	-1,435.29	4,267.77	2,579.65	2,368.30	211.35	12.205		
9,600.00	7,730.00	7,707.00	7,693.00	77.53	133.53	-90.00	-1,435.29	4,267.77	2,484.11	2,273.06	211.05	11.770		
9,700.00	7,730.00	7,707.00	7,693.00	77.19	133.53	-90.00	-1,435.29	4,267.77	2,388.93	2,178.21	210.72	11.337		
9,800.00	7,730.00	7,707.00	7,693.00	76.88	133.53	-90.00	-1,435.29	4,267.77	2,294.16	2,083.81	210.35	10.906		
9,900.00	7,730.00	7,707.00	7,693.00	76.58	133.53	-90.00	-1,435.29	4,267.77	2,199.85	1,989.90	209.95	10.478		
10,000.00	7,730.00	7,707.00	7,693.00	76.30	133.53	-90.00	-1,435.29	4,267.77	2,106.07	1,896.57	209.50	10.053		
10,100.00	7,730.00	7,707.00	7,693.00	76.04	133.53	-90.00	-1,435.29	4,267.77	2,012.89	1,803.89	209.00	9.631		
10,200.00	7,730.00	7,707.00	7,693.00	75.79	133.53	-90.00	-1,435.29	4,267.77	1,920.39	1,711.95	208.44	9.213		
10,300.00	7,730.00	7,707.00	7,693.00	75.57	133.53	-90.00	-1,435.29	4,267.77	1,828.69	1,620.87	207.82	8.799		
10,400.00	7,730.00	7,707.00	7,693.00	75.36	133.53	-90.00	-1,435.29	4,267.77	1,737.89	1,530.78	207.11	8.391		
10,500.00	7,730.00	7,707.00	7,693.00	75.18	133.53	-90.00	-1,435.29	4,267.77	1,648.17	1,441.85	206.32	7.989		
10,600.00	7,730.00	7,707.00	7,693.00	75.01	133.53	-90.00	-1,435.29	4,267.77	1,559.70	1,354.29	205.41	7.593		
10,700.00	7,730.00	7,707.00	7,693.00	74.86	133.53	-90.00	-1,435.29	4,267.77	1,472.70	1,268.32	204.37	7.206		
10,800.00	7,730.00	7,707.00	7,693.00	74.74	133.53	-90.00	-1,435.29	4,267.77	1,387.45	1,184.26	203.19	6.828		
10,900.00	7,730.00	7,707.00	7,693.00	74.64	133.53	-90.00	-1,435.29	4,267.77	1,304.31	1,102.47	201.83	6.462		
11,000.00	7,730.00	7,707.00	7,693.00	74.56	133.53	-90.00	-1,435.29	4,267.77	1,223.68	1,023.41	200.28	6.110		
11,100.00	7,730.00	7,707.00	7,693.00	74.51	133.53	-90.00	-1,435.29	4,267.77	1,146.12	947.62	198.50	5.774		
11,200.00	7,730.00	7,707.00	7,693.00	74.48	133.53	-90.00	-1,435.29	4,267.77	1,072.28	875.78	196.50	5.457		
11,300.00	7,730.00	7,707.00	7,693.00	74.48	133.53	-90.00	-1,435.29	4,267.77	1,002.98	808.71	194.27	5.163		
11,400.00	7,730.00	7,707.00	7,693.00	74.50	133.53	-90.00	-1,435.29	4,267.77	939.23	747.35	191.88	4.895		
11,500.00	7,730.00	7,707.00	7,693.00	74.56	133.53	-90.00	-1,435.29	4,267.77	882.24	692.78	189.46	4.657		
11,600.00	7,730.00	7,707.00	7,693.00	74.66	133.53	-90.00	-1,435.29	4,267.77	833.38	646.12	187.26	4.450		
11,700.00	7,730.00	7,707.00	7,693.00	74.79	133.53	-90.00	-1,435.29	4,267.77	794.18	608.50	185.68	4.277		
11,800.00	7,730.00	7,707.00	7,693.00	74.96	133.53	-90.00	-1,435.29	4,267.77	766.10	580.94	185.16	4.138		
11,900.00	7,730.00	7,707.00	7,693.00	75.17	133.53	-90.00	-1,435.29	4,267.77	750.39	564.34	186.05	4.033		
11,969.06	7,730.00	7,707.00	7,693.00	75.34	133.53	-90.00	-1,435.29	4,267.77	747.21	559.69	187.51	3.985 CC		
12,000.00	7,730.00	7,707.00	7,693.00	75.43	133.53	-90.00	-1,435.29	4,267.77	747.85	559.49	188.36	3.970 ES		
12,100.00	7,730.00	7,707.00	7,693.00	75.73	133.53	-90.00	-1,435.29	4,267.77	758.59	566.87	191.73	3.957 SF		
12,200.00	7,730.00	7,707.00	7,693.00	76.09	133.53	-90.00	-1,435.29	4,267.77	782.08	586.48	195.60	3.998		
12,300.00	7,730.00	7,707.00	7,693.00	76.51	133.53	-90.00	-1,435.29	4,267.77	817.21	617.75	199.46	4.097		
12,400.00	7,730.00	7,707.00	7,693.00	76.97	133.53	-90.00	-1,435.29	4,267.77	862.57	659.58	202.99	4.249		
12,500.00	7,730.00	7,707.00	7,693.00	77.50	133.53	-90.00	-1,435.29	4,267.77	916.63	710.60	206.03	4.449		
12,600.00	7,730.00	7,707.00	7,693.00	78.09	133.53	-90.00	-1,435.29	4,267.77	977.96	769.41	208.55	4.689		
12,700.00	7,730.00	7,707.00	7,693.00	78.74	133.53	-90.00	-1,435.29	4,267.77	1,045.27	834.68	210.59	4.963		
12,800.00	7,730.00	7,707.00	7,693.00	79.45	133.53	-90.00	-1,435.29	4,267.77	1,117.49	905.26	212.23	5.265		
12,900.00	7,730.00	7,707.00	7,693.00	80.22	133.53	-90.00	-1,435.29	4,267.77	1,193.72	980.19	213.53	5.590		
13,000.00	7,730.00	7,707.00	7,693.00	81.05	133.53	-90.00	-1,435.29	4,267.77	1,273.24	1,058.68	214.57	5.934		
13,100.00	7,730.00	7,707.00	7,693.00	81.94	133.53	-90.00	-1,435.29	4,267.77	1,355.49	1,140.09	215.39	6.293		
13,200.00	7,730.00	7,707.00	7,693.00	82.87	133.53	-90.00	-1,435.29	4,267.77	1,439.97	1,223.92	216.05	6.665		
13,300.00	7,730.00	7,707.00	7,693.00	83.86	133.53	-90.00	-1,435.29	4,267.77	1,526.34	1,309.76	216.58	7.048		
13,400.00	7,730.00	7,707.00	7,693.00	84.90	133.53	-90.00	-1,435.29	4,267.77	1,614.28	1,397.28	217.00	7.439		
13,500.00	7,730.00	7,707.00	7,693.00	85.97	133.53	-90.00	-1,435.29	4,267.77	1,703.55	1,486.21	217.34	7.838		
13,600.00	7,730.00	7,707.00	7,693.00	87.09	133.53	-90.00	-1,435.29	4,267.77	1,793.96	1,576.34	217.62	8.244		
13,700.00	7,730.00	7,707.00	7,693.00	88.25	133.53	-90.00	-1,435.29	4,267.77	1,885.33	1,667.49	217.84	8.655		
13,800.00	7,730.00	7,707.00	7,693.00	89.44	133.53	-90.00	-1,435.29	4,267.77	1,977.54	1,759.51	218.02	9.070		
13,900.00	7,730.00	7,707.00	7,693.00	90.66	133.53	-90.00	-1,435.29	4,267.77	2,070.47	1,852.30	218.17	9.490		
14,000.00	7,730.00	7,707.00	7,693.00	91.92	133.53	-90.00	-1,435.29	4,267.77	2,164.03	1,945.74	218.29	9.913		
14,100.00	7,730.00	7,707.00	7,693.00	93.20	133.53	-90.00	-1,435.29	4,267.77	2,258.14	2,039.75	218.39	10.340		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 33-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,707.00	7,693.00	94.50	133.53	-90.00	-1,435.29	4,267.77	2,352.74	2,134.27	218.48	10.769		
14,300.00	7,730.00	7,707.00	7,693.00	95.83	133.53	-90.00	-1,435.29	4,267.77	2,447.77	2,229.23	218.54	11.200		
14,400.00	7,730.00	7,707.00	7,693.00	97.17	133.53	-90.00	-1,435.29	4,267.77	2,543.18	2,324.58	218.60	11.634		
14,500.00	7,730.00	7,707.00	7,693.00	98.54	133.53	-90.00	-1,435.29	4,267.77	2,638.93	2,420.29	218.65	12.069		
14,600.00	7,730.00	7,707.00	7,693.00	99.92	133.53	-90.00	-1,435.29	4,267.77	2,734.99	2,516.30	218.69	12.507		
14,700.00	7,730.00	7,707.00	7,693.00	101.32	133.53	-90.00	-1,435.29	4,267.77	2,831.31	2,612.60	218.72	12.945		
14,800.00	7,730.00	7,707.00	7,693.00	102.74	133.53	-90.00	-1,435.29	4,267.77	2,927.89	2,709.14	218.74	13.385		
14,900.00	7,730.00	7,707.00	7,693.00	104.17	133.53	-90.00	-1,435.29	4,267.77	3,024.68	2,805.92	218.76	13.826		
15,000.00	7,730.00	7,707.00	7,693.00	105.62	133.53	-90.00	-1,435.29	4,267.77	3,121.68	2,902.90	218.78	14.268		
15,100.00	7,730.00	7,707.00	7,693.00	107.07	133.53	-90.00	-1,435.29	4,267.77	3,218.86	3,000.07	218.80	14.712		
15,200.00	7,730.00	7,707.00	7,693.00	108.54	133.53	-90.00	-1,435.29	4,267.77	3,316.21	3,097.40	218.81	15.156		
15,300.00	7,730.00	7,707.00	7,693.00	110.02	133.53	-90.00	-1,435.29	4,267.77	3,413.72	3,194.90	218.82	15.600		
15,400.00	7,730.00	7,707.00	7,693.00	111.51	133.53	-90.00	-1,435.29	4,267.77	3,511.36	3,292.53	218.83	16.046		
15,500.00	7,730.00	7,707.00	7,693.00	113.01	133.53	-90.00	-1,435.29	4,267.77	3,609.13	3,390.29	218.84	16.492		
15,600.00	7,730.00	7,707.00	7,693.00	114.52	133.53	-90.00	-1,435.29	4,267.77	3,707.02	3,488.18	218.85	16.939		
15,700.00	7,730.00	7,707.00	7,693.00	116.04	133.53	-90.00	-1,435.29	4,267.77	3,805.02	3,586.17	218.85	17.386		
15,800.00	7,730.00	7,707.00	7,693.00	117.56	133.53	-90.00	-1,435.29	4,267.77	3,903.13	3,684.27	218.86	17.834		
15,900.00	7,730.00	7,707.00	7,693.00	119.09	133.53	-90.00	-1,435.29	4,267.77	4,001.32	3,782.46	218.86	18.282		
16,000.00	7,730.00	7,707.00	7,693.00	120.63	133.53	-90.00	-1,435.29	4,267.77	4,099.61	3,880.74	218.87	18.731		
16,100.00	7,730.00	7,707.00	7,693.00	122.18	133.53	-90.00	-1,435.29	4,267.77	4,197.97	3,979.10	218.87	19.180		
16,200.00	7,730.00	7,707.00	7,693.00	123.73	133.53	-90.00	-1,435.29	4,267.77	4,296.41	4,077.54	218.88	19.629		
16,300.00	7,730.00	7,707.00	7,693.00	125.29	133.53	-90.00	-1,435.29	4,267.77	4,394.92	4,176.04	218.88	20.079		
16,400.00	7,730.00	7,707.00	7,693.00	126.86	133.53	-90.00	-1,435.29	4,267.77	4,493.50	4,274.61	218.88	20.529		
16,500.00	7,730.00	7,707.00	7,693.00	128.43	133.53	-90.00	-1,435.29	4,267.77	4,592.14	4,373.25	218.89	20.979		
16,600.00	7,730.00	7,707.00	7,693.00	130.01	133.53	-90.00	-1,435.29	4,267.77	4,690.83	4,471.94	218.89	21.430		
16,700.00	7,730.00	7,707.00	7,693.00	131.59	133.53	-90.00	-1,435.29	4,267.77	4,789.58	4,570.68	218.90	21.880		
16,800.00	7,730.00	7,707.00	7,693.00	133.18	133.53	-90.00	-1,435.29	4,267.77	4,888.38	4,669.48	218.91	22.331		
16,900.00	7,730.00	7,707.00	7,693.00	134.77	133.53	-90.00	-1,435.29	4,267.77	4,987.23	4,768.32	218.91	22.782		
17,000.00	7,730.00	7,707.00	7,693.00	136.37	133.53	-90.00	-1,435.29	4,267.77	5,086.12	4,867.21	218.92	23.233		
17,100.00	7,730.00	7,707.00	7,693.00	137.97	133.53	-90.00	-1,435.29	4,267.77	5,185.06	4,966.13	218.93	23.684		
17,200.00	7,730.00	7,707.00	7,693.00	139.57	133.53	-90.00	-1,435.29	4,267.77	5,284.04	5,065.10	218.93	24.135		
17,300.00	7,730.00	7,707.00	7,693.00	141.18	133.53	-90.00	-1,435.29	4,267.77	5,383.05	5,164.11	218.94	24.587		
17,400.00	7,730.00	7,707.00	7,693.00	142.79	133.53	-90.00	-1,435.29	4,267.77	5,482.10	5,263.15	218.95	25.038		
17,500.00	7,730.00	7,707.00	7,693.00	144.41	133.53	-90.00	-1,435.29	4,267.77	5,581.18	5,362.23	218.96	25.490		
17,600.00	7,730.00	7,707.00	7,693.00	146.03	133.53	-90.00	-1,435.29	4,267.77	5,680.30	5,461.33	218.97	25.941		
17,700.00	7,730.00	7,707.00	7,693.00	147.65	133.53	-90.00	-1,435.29	4,267.77	5,779.44	5,560.47	218.98	26.393		
17,800.00	7,730.00	7,707.00	7,693.00	149.28	133.53	-90.00	-1,435.29	4,267.77	5,878.62	5,659.63	218.99	26.845		
17,900.00	7,730.00	7,707.00	7,693.00	150.91	133.53	-90.00	-1,435.29	4,267.77	5,977.82	5,758.82	219.00	27.297		
18,000.00	7,730.00	7,707.00	7,693.00	152.54	133.53	-90.00	-1,435.29	4,267.77	6,077.05	5,858.04	219.01	27.748		
18,100.00	7,730.00	7,707.00	7,693.00	154.18	133.53	-90.00	-1,435.29	4,267.77	6,176.30	5,957.28	219.02	28.200		
18,200.00	7,730.00	7,707.00	7,693.00	155.82	133.53	-90.00	-1,435.29	4,267.77	6,275.58	6,056.55	219.03	28.652		
18,300.00	7,730.00	7,707.00	7,693.00	157.46	133.53	-90.00	-1,435.29	4,267.77	6,374.88	6,155.84	219.04	29.103		
18,400.00	7,730.00	7,707.00	7,693.00	159.11	133.53	-90.00	-1,435.29	4,267.77	6,474.20	6,255.15	219.06	29.555		
18,500.00	7,730.00	7,707.00	7,693.00	160.75	133.53	-90.00	-1,435.29	4,267.77	6,573.54	6,354.47	219.07	30.007		
18,600.00	7,730.00	7,707.00	7,693.00	162.40	133.53	-90.00	-1,435.29	4,267.77	6,672.90	6,453.82	219.08	30.458		
18,700.00	7,730.00	7,707.00	7,693.00	164.05	133.53	-90.00	-1,435.29	4,267.77	6,772.28	6,553.19	219.10	30.910		
18,800.00	7,730.00	7,707.00	7,693.00	165.71	133.53	-90.00	-1,435.29	4,267.77	6,871.68	6,652.57	219.11	31.362		
18,900.00	7,730.00	7,707.00	7,693.00	167.36	133.53	-90.00	-1,435.29	4,267.77	6,971.10	6,751.97	219.13	31.813		
18,942.39	7,730.00	7,707.00	7,693.00	168.07	133.53	-90.00	-1,435.29	4,267.77	7,013.25	6,794.11	219.13	32.004		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 34-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	123.90	-3,056.33	4,548.08	5,479.81					
100.00	100.00	54.00	54.00	0.13	0.41	123.90	-3,056.33	4,548.08	5,479.62	5,479.07	0.55	9,978.946		
200.00	200.00	154.00	154.00	0.49	1.71	123.90	-3,056.33	4,548.08	5,479.62	5,477.41	2.20	2,486.979		
300.00	300.00	254.00	254.00	0.85	3.46	123.90	-3,056.33	4,548.08	5,479.62	5,475.31	4.31	1,272.222		
400.00	400.00	354.00	354.00	1.21	5.20	123.90	-3,056.33	4,548.08	5,479.62	5,473.21	6.41	854.731		
500.00	500.00	454.00	454.00	1.57	6.95	123.90	-3,056.33	4,548.08	5,479.62	5,471.10	8.51	643.546		
600.00	600.00	554.00	554.00	1.93	8.69	123.90	-3,056.33	4,548.08	5,479.62	5,469.00	10.62	516.043		
700.00	700.00	654.00	654.00	2.29	10.44	123.90	-3,056.33	4,548.08	5,479.62	5,466.89	12.72	430.709		
800.00	800.00	754.00	754.00	2.64	12.18	123.90	-3,056.33	4,548.08	5,479.62	5,464.79	14.83	369.592		
900.00	899.98	853.98	853.98	3.00	13.93	64.34	-3,056.33	4,548.08	5,478.86	5,461.93	16.93	323.708		
1,000.00	999.84	953.84	953.84	3.35	15.67	64.43	-3,056.33	4,548.08	5,476.60	5,457.57	19.02	287.930		
1,100.00	1,099.45	1,053.45	1,053.45	3.71	17.41	64.59	-3,056.33	4,548.08	5,472.83	5,451.72	21.12	259.171		
1,200.00	1,198.70	1,152.70	1,152.70	4.08	19.14	64.79	-3,056.33	4,548.08	5,467.59	5,444.38	23.21	235.523		
1,300.00	1,297.47	1,251.47	1,251.47	4.47	20.86	65.06	-3,056.33	4,548.08	5,460.89	5,435.58	25.32	215.701		
1,400.00	1,395.62	1,349.62	1,349.62	4.87	22.58	65.39	-3,056.33	4,548.08	5,452.77	5,425.35	27.43	198.818		
1,500.00	1,493.06	1,447.06	1,447.06	5.31	24.28	65.77	-3,056.33	4,548.08	5,443.27	5,413.73	29.55	184.236		
1,600.00	1,589.64	1,543.64	1,543.64	5.77	25.96	66.22	-3,056.33	4,548.08	5,432.44	5,400.76	31.68	171.491		
1,700.00	1,685.27	1,639.27	1,639.27	6.28	27.63	66.71	-3,056.33	4,548.08	5,420.32	5,386.49	33.83	160.236		
1,800.00	1,779.82	1,733.82	1,733.82	6.83	29.28	67.26	-3,056.33	4,548.08	5,406.98	5,370.98	36.00	150.209		
1,900.00	1,873.17	1,827.17	1,827.17	7.43	30.91	67.87	-3,056.33	4,548.08	5,392.48	5,354.29	38.19	141.204		
2,000.00	1,965.21	1,919.21	1,919.21	8.08	32.52	68.52	-3,056.33	4,548.08	5,376.90	5,336.49	40.41	133.064		
2,100.00	2,055.84	2,009.84	2,009.84	8.79	34.10	69.22	-3,056.33	4,548.08	5,360.32	5,317.67	42.66	125.661		
2,200.00	2,144.94	2,101.06	2,098.94	9.56	35.69	69.96	-3,056.33	4,548.08	5,342.83	5,297.85	44.97	118.798		
2,300.00	2,232.39	2,186.39	2,186.39	10.39	37.18	70.75	-3,056.33	4,548.08	5,324.51	5,277.26	47.25	112.687		
2,400.00	2,318.11	2,272.11	2,272.11	11.30	38.68	71.58	-3,056.33	4,548.08	5,305.46	5,255.86	49.60	106.966		
2,504.60	2,405.78	2,359.78	2,359.78	12.31	40.21	72.48	-3,056.33	4,548.08	5,284.88	5,232.78	52.10	101.445		
2,600.00	2,484.79	2,438.79	2,438.79	13.28	41.59	72.95	-3,056.33	4,548.08	5,266.07	5,211.66	54.40	96.795		
2,700.00	2,567.60	2,521.60	2,521.60	14.32	43.03	73.44	-3,056.33	4,548.08	5,246.86	5,190.01	56.85	92.295		
2,800.00	2,650.41	2,604.41	2,604.41	15.37	44.48	73.94	-3,056.33	4,548.08	5,228.18	5,168.87	59.32	88.141		
2,900.00	2,733.23	2,687.23	2,687.23	16.44	45.92	74.43	-3,056.33	4,548.08	5,210.04	5,148.24	61.80	84.301		
3,000.00	2,816.04	2,770.04	2,770.04	17.52	47.37	74.94	-3,056.33	4,548.08	5,192.44	5,128.14	64.31	80.746		
3,100.00	2,898.85	2,852.85	2,852.85	18.60	48.81	75.44	-3,056.33	4,548.08	5,175.39	5,108.57	66.82	77.449		
3,200.00	2,981.67	2,935.67	2,935.67	19.69	50.26	75.94	-3,056.33	4,548.08	5,158.89	5,089.54	69.35	74.386		
3,300.00	3,064.48	3,018.48	3,018.48	20.79	51.71	76.45	-3,056.33	4,548.08	5,142.95	5,071.06	71.89	71.534		
3,400.00	3,147.30	3,101.30	3,101.30	21.90	53.15	76.96	-3,056.33	4,548.08	5,127.58	5,053.13	74.45	68.876		
3,500.00	3,230.11	3,184.11	3,184.11	23.00	54.60	77.47	-3,056.33	4,548.08	5,112.77	5,035.76	77.01	66.393		
3,600.00	3,312.92	3,266.92	3,266.92	24.12	56.04	77.99	-3,056.33	4,548.08	5,098.53	5,018.96	79.58	64.071		
3,700.00	3,395.74	3,349.74	3,349.74	25.23	57.49	78.51	-3,056.33	4,548.08	5,084.87	5,002.72	82.15	61.896		
3,800.00	3,478.55	3,432.55	3,432.55	26.35	58.93	79.02	-3,056.33	4,548.08	5,071.80	4,987.06	84.73	59.855		
3,900.00	3,561.36	3,515.36	3,515.36	27.47	60.38	79.54	-3,056.33	4,548.08	5,059.31	4,971.99	87.32	57.938		
4,000.00	3,644.18	3,601.82	3,598.18	28.59	61.89	80.07	-3,056.33	4,548.08	5,047.41	4,957.43	89.98	56.095		
4,100.00	3,726.99	3,680.99	3,680.99	29.72	63.27	80.59	-3,056.33	4,548.08	5,036.11	4,943.60	92.51	54.436		
4,200.00	3,809.81	3,763.81	3,763.81	30.85	64.71	81.11	-3,056.33	4,548.08	5,025.41	4,930.30	95.12	52.835		
4,300.00	3,892.62	3,846.62	3,846.62	31.98	66.16	81.64	-3,056.33	4,548.08	5,015.32	4,917.60	97.72	51.323		
4,400.00	3,975.43	3,929.43	3,929.43	33.11	67.60	82.17	-3,056.33	4,548.08	5,005.83	4,905.50	100.33	49.894		
4,500.00	4,058.25	4,012.25	4,012.25	34.24	69.05	82.70	-3,056.33	4,548.08	4,996.95	4,894.01	102.94	48.543		
4,600.00	4,141.06	4,104.94	4,095.06	35.37	70.67	83.23	-3,056.33	4,548.08	4,988.68	4,882.96	105.72	47.186		
4,700.00	4,223.87	4,177.87	4,177.87	36.50	71.94	83.76	-3,056.33	4,548.08	4,981.04	4,872.87	108.16	46.051		
4,800.00	4,306.69	4,260.69	4,260.69	37.64	73.39	84.29	-3,056.33	4,548.08	4,974.01	4,863.23	110.78	44.901		
4,900.00	4,389.50	4,343.50	4,343.50	38.77	74.83	84.83	-3,056.33	4,548.08	4,967.60	4,854.21	113.39	43.809		
5,000.00	4,472.32	4,426.32	4,426.32	39.91	76.28	85.36	-3,056.33	4,548.08	4,961.82	4,845.82	116.01	42.772		
5,100.00	4,555.13	4,509.13	4,509.13	41.05	77.72	85.90	-3,056.33	4,548.08	4,956.67	4,838.05	118.62	41.786		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 34-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,608.06	4,591.94	42.18	79.45	86.43	-3,056.33	4,548.08	4,952.15	4,830.63	121.51	40.754		
5,300.00	4,720.76	4,674.76	4,674.76	43.32	80.61	86.97	-3,056.33	4,548.08	4,948.25	4,824.41	123.84	39.956		
5,400.00	4,803.57	4,757.57	4,757.57	44.46	82.06	87.51	-3,056.33	4,548.08	4,944.99	4,818.54	126.45	39.106		
5,500.00	4,886.39	4,840.39	4,840.39	45.60	83.50	88.04	-3,056.33	4,548.08	4,942.37	4,813.31	129.06	38.296		
5,600.00	4,969.20	4,923.20	4,923.20	46.74	84.95	88.58	-3,056.33	4,548.08	4,940.37	4,808.71	131.66	37.524		
5,700.00	5,052.01	5,006.01	5,006.01	47.88	86.39	89.12	-3,056.33	4,548.08	4,939.02	4,804.76	134.26	36.787		
5,800.00	5,134.83	5,088.83	5,088.83	49.02	87.84	89.66	-3,056.33	4,548.08	4,938.30	4,801.44	136.85	36.084		
5,863.36	5,187.30	5,141.30	5,141.30	49.74	88.76	90.00	-3,056.33	4,548.08	4,938.17	4,799.67	138.50	35.655		
5,900.00	5,217.64	5,171.64	5,171.64	50.16	89.28	90.20	-3,056.33	4,548.08	4,938.21	4,798.76	139.45	35.413		
6,000.00	5,300.45	5,254.45	5,254.45	51.30	90.73	90.74	-3,056.33	4,548.08	4,938.76	4,796.73	142.03	34.772		
6,100.00	5,383.27	5,337.27	5,337.27	52.45	92.18	91.27	-3,056.33	4,548.08	4,939.95	4,795.33	144.62	34.159		
6,200.00	5,466.08	5,420.08	5,420.08	53.59	93.62	91.81	-3,056.33	4,548.08	4,941.77	4,794.58	147.19	33.574		
6,300.00	5,548.90	5,502.90	5,502.90	54.73	95.07	92.35	-3,056.33	4,548.08	4,944.23	4,794.47	149.76	33.014		
6,400.00	5,631.71	5,585.71	5,585.71	55.87	96.51	92.89	-3,056.33	4,548.08	4,947.32	4,794.99	152.33	32.478		
6,500.00	5,714.52	5,668.52	5,668.52	57.02	97.96	93.42	-3,056.33	4,548.08	4,951.04	4,796.16	154.89	31.966		
6,600.00	5,797.34	5,751.34	5,751.34	58.16	99.40	93.96	-3,056.33	4,548.08	4,955.40	4,797.96	157.44	31.476		
6,700.00	5,880.15	5,834.15	5,834.15	59.30	100.85	94.50	-3,056.33	4,548.08	4,960.38	4,800.40	159.98	31.006		
6,800.00	5,962.96	5,916.96	5,916.96	60.45	102.29	95.03	-3,056.33	4,548.08	4,966.00	4,803.48	162.52	30.557		
6,900.00	6,045.78	6,000.22	5,999.78	61.59	103.75	95.57	-3,056.33	4,548.08	4,972.24	4,807.18	165.05	30.125		
7,000.00	6,128.59	6,082.59	6,082.59	62.73	105.18	96.10	-3,056.33	4,548.08	4,979.10	4,811.53	167.57	29.714		
7,100.00	6,211.41	6,165.41	6,165.41	63.88	106.63	96.63	-3,056.33	4,548.08	4,986.58	4,816.50	170.08	29.319		
7,200.00	6,294.22	6,248.22	6,248.22	65.02	108.07	97.16	-3,056.33	4,548.08	4,994.68	4,822.10	172.58	28.941		
7,300.00	6,377.03	6,331.03	6,331.03	66.17	109.52	97.69	-3,056.33	4,548.08	5,003.39	4,828.32	175.08	28.578		
7,400.00	6,459.85	6,413.85	6,413.85	67.31	110.97	98.22	-3,056.33	4,548.08	5,012.72	4,835.16	177.56	28.231		
7,500.00	6,542.66	6,503.34	6,496.66	68.46	112.53	98.75	-3,056.33	4,548.08	5,022.66	4,842.50	180.15	27.880		
7,600.00	6,625.48	6,579.48	6,579.48	69.60	113.86	99.27	-3,056.33	4,548.08	5,033.20	4,850.69	182.50	27.578		
7,700.00	6,708.29	6,662.29	6,662.29	70.75	115.30	99.80	-3,056.33	4,548.08	5,044.34	4,859.37	184.96	27.272		
7,800.00	6,791.10	6,745.10	6,745.10	71.89	116.75	100.32	-3,056.33	4,548.08	5,056.07	4,868.67	187.41	26.979		
7,900.00	6,873.92	6,827.92	6,827.92	73.04	118.19	100.84	-3,056.33	4,548.08	5,068.40	4,878.56	189.84	26.698		
8,000.00	6,956.73	6,910.73	6,910.73	74.18	119.64	101.36	-3,056.33	4,548.08	5,081.32	4,889.05	192.27	26.428		
8,100.00	7,039.54	7,006.46	6,993.54	75.33	121.31	101.87	-3,056.33	4,548.08	5,094.82	4,899.91	194.91	26.139		
8,165.32	7,093.63	7,047.63	7,047.63	76.08	122.03	102.21	-3,056.33	4,548.08	5,103.96	4,907.70	196.26	26.006		
8,200.00	7,122.60	7,076.60	7,076.60	76.47	122.53	97.66	-3,056.33	4,548.08	5,107.89	4,910.80	197.09	25.916		
8,250.00	7,165.05	7,119.05	7,119.05	77.01	123.27	90.30	-3,056.33	4,548.08	5,110.11	4,911.80	198.30	25.769		
8,300.00	7,208.03	7,162.03	7,162.03	77.52	124.02	82.21	-3,056.33	4,548.08	5,108.21	4,908.70	199.51	25.604		
8,350.00	7,251.22	7,205.22	7,205.22	77.99	124.78	73.76	-3,056.33	4,548.08	5,102.20	4,901.51	200.69	25.423		
8,400.00	7,294.28	7,248.28	7,248.28	78.41	125.53	65.36	-3,056.33	4,548.08	5,092.11	4,890.26	201.85	25.227		
8,450.00	7,336.90	7,309.10	7,290.90	78.78	126.59	57.42	-3,056.33	4,548.08	5,077.99	4,874.71	203.29	24.979		
8,500.00	7,378.73	7,332.73	7,332.73	79.10	127.00	50.17	-3,056.33	4,548.08	5,059.95	4,855.91	204.04	24.799		
8,550.00	7,419.47	7,373.47	7,373.47	79.37	127.71	43.71	-3,056.33	4,548.08	5,038.09	4,833.03	205.06	24.569		
8,600.00	7,458.81	7,412.81	7,412.81	79.59	128.40	37.99	-3,056.33	4,548.08	5,012.57	4,806.55	206.02	24.331		
8,650.00	7,496.44	7,450.44	7,450.44	79.76	129.06	32.92	-3,056.33	4,548.08	4,983.56	4,776.65	206.91	24.086		
8,700.00	7,532.08	7,486.08	7,486.08	79.88	129.68	28.34	-3,056.33	4,548.08	4,951.27	4,743.54	207.73	23.835		
8,750.00	7,565.46	7,519.46	7,519.46	79.95	130.26	24.07	-3,056.33	4,548.08	4,915.92	4,707.44	208.48	23.580		
8,800.00	7,596.33	7,550.33	7,550.33	79.98	130.80	19.90	-3,056.33	4,548.08	4,877.77	4,668.62	209.15	23.322		
8,850.00	7,624.44	7,578.44	7,578.44	79.97	131.29	15.60	-3,056.33	4,548.08	4,837.10	4,627.37	209.73	23.063		
8,900.00	7,649.59	7,603.59	7,603.59	79.93	131.73	10.83	-3,056.33	4,548.08	4,794.20	4,583.97	210.23	22.804		
8,950.00	7,671.59	7,625.59	7,625.59	79.84	132.11	5.07	-3,056.33	4,548.08	4,749.41	4,538.76	210.65	22.547		
9,000.00	7,690.26	7,644.26	7,644.26	79.73	132.44	-2.51	-3,056.33	4,548.08	4,703.04	4,492.07	210.98	22.292		
9,050.00	7,705.47	7,659.47	7,659.47	79.59	132.71	-13.36	-3,056.33	4,548.08	4,655.47	4,444.25	211.22	22.041		
9,100.00	7,717.09	7,671.09	7,671.09	79.43	132.91	-29.64	-3,056.33	4,548.08	4,607.04	4,395.66	211.38	21.795		
9,150.00	7,725.04	7,679.04	7,679.04	79.26	133.05	-52.50	-3,056.33	4,548.08	4,558.14	4,346.69	211.45	21.557		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 34-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,683.27	7,683.27	79.06	133.12	-77.21	-3,056.33	4,548.08	4,509.14	4,297.71	211.43	21.327		
9,231.13	7,730.00	7,684.00	7,684.00	78.93	133.13	-90.00	-3,056.33	4,548.08	4,478.76	4,267.38	211.38	21.188		
9,300.00	7,730.00	7,684.00	7,684.00	78.65	133.13	-90.00	-3,056.33	4,548.08	4,411.78	4,200.55	211.23	20.886		
9,400.00	7,730.00	7,684.00	7,684.00	78.26	133.13	-90.00	-3,056.33	4,548.08	4,314.62	4,103.62	211.01	20.448		
9,500.00	7,730.00	7,684.00	7,684.00	77.89	133.13	-90.00	-3,056.33	4,548.08	4,217.60	4,006.83	210.77	20.010		
9,600.00	7,730.00	7,684.00	7,684.00	77.53	133.13	-90.00	-3,056.33	4,548.08	4,120.72	3,910.20	210.52	19.574		
9,700.00	7,730.00	7,684.00	7,684.00	77.19	133.13	-90.00	-3,056.33	4,548.08	4,023.99	3,813.72	210.27	19.138		
9,800.00	7,730.00	7,684.00	7,684.00	76.88	133.13	-90.00	-3,056.33	4,548.08	3,927.42	3,717.43	210.00	18.702		
9,900.00	7,730.00	7,684.00	7,684.00	76.58	133.13	-90.00	-3,056.33	4,548.08	3,831.04	3,621.32	209.71	18.268		
10,000.00	7,730.00	7,684.00	7,684.00	76.30	133.13	-90.00	-3,056.33	4,548.08	3,734.84	3,525.42	209.41	17.835		
10,100.00	7,730.00	7,684.00	7,684.00	76.04	133.13	-90.00	-3,056.33	4,548.08	3,638.84	3,429.74	209.10	17.402		
10,200.00	7,730.00	7,684.00	7,684.00	75.79	133.13	-90.00	-3,056.33	4,548.08	3,543.07	3,334.30	208.77	16.971		
10,300.00	7,730.00	7,684.00	7,684.00	75.57	133.13	-90.00	-3,056.33	4,548.08	3,447.54	3,239.12	208.42	16.541		
10,400.00	7,730.00	7,684.00	7,684.00	75.36	133.13	-90.00	-3,056.33	4,548.08	3,352.27	3,144.21	208.06	16.112		
10,500.00	7,730.00	7,684.00	7,684.00	75.18	133.13	-90.00	-3,056.33	4,548.08	3,257.28	3,049.61	207.67	15.685		
10,600.00	7,730.00	7,684.00	7,684.00	75.01	133.13	-90.00	-3,056.33	4,548.08	3,162.60	2,955.34	207.26	15.259		
10,700.00	7,730.00	7,684.00	7,684.00	74.86	133.13	-90.00	-3,056.33	4,548.08	3,068.26	2,861.43	206.83	14.835		
10,800.00	7,730.00	7,684.00	7,684.00	74.74	133.13	-90.00	-3,056.33	4,548.08	2,974.29	2,767.92	206.37	14.413		
10,900.00	7,730.00	7,684.00	7,684.00	74.64	133.13	-90.00	-3,056.33	4,548.08	2,880.72	2,674.84	205.88	13.992		
11,000.00	7,730.00	7,684.00	7,684.00	74.56	133.13	-90.00	-3,056.33	4,548.08	2,787.60	2,582.24	205.36	13.574		
11,100.00	7,730.00	7,684.00	7,684.00	74.51	133.13	-90.00	-3,056.33	4,548.08	2,694.98	2,490.16	204.81	13.158		
11,200.00	7,730.00	7,684.00	7,684.00	74.48	133.13	-90.00	-3,056.33	4,548.08	2,602.90	2,398.67	204.23	12.745		
11,300.00	7,730.00	7,684.00	7,684.00	74.48	133.13	-90.00	-3,056.33	4,548.08	2,511.42	2,307.82	203.61	12.335		
11,400.00	7,730.00	7,684.00	7,684.00	74.50	133.13	-90.00	-3,056.33	4,548.08	2,420.62	2,217.68	202.95	11.927		
11,500.00	7,730.00	7,684.00	7,684.00	74.56	133.13	-90.00	-3,056.33	4,548.08	2,330.58	2,128.33	202.24	11.524		
11,600.00	7,730.00	7,684.00	7,684.00	74.66	133.13	-90.00	-3,056.33	4,548.08	2,241.37	2,039.88	201.50	11.124		
11,700.00	7,730.00	7,684.00	7,684.00	74.79	133.13	-90.00	-3,056.33	4,548.08	2,153.12	1,952.42	200.70	10.728		
11,800.00	7,730.00	7,684.00	7,684.00	74.96	133.13	-90.00	-3,056.33	4,548.08	2,065.94	1,866.07	199.87	10.337		
11,900.00	7,730.00	7,684.00	7,684.00	75.17	133.13	-90.00	-3,056.33	4,548.08	1,979.97	1,780.99	198.98	9.950		
12,000.00	7,730.00	7,684.00	7,684.00	75.43	133.13	-90.00	-3,056.33	4,548.08	1,895.38	1,697.32	198.06	9.570		
12,100.00	7,730.00	7,684.00	7,684.00	75.73	133.13	-90.00	-3,056.33	4,548.08	1,812.35	1,615.26	197.10	9.195		
12,200.00	7,730.00	7,684.00	7,684.00	76.09	133.13	-90.00	-3,056.33	4,548.08	1,731.12	1,535.01	196.11	8.827		
12,300.00	7,730.00	7,684.00	7,684.00	76.51	133.13	-90.00	-3,056.33	4,548.08	1,651.96	1,456.84	195.12	8.466		
12,400.00	7,730.00	7,684.00	7,684.00	76.97	133.13	-90.00	-3,056.33	4,548.08	1,575.16	1,381.01	194.15	8.113		
12,500.00	7,730.00	7,684.00	7,684.00	77.50	133.13	-90.00	-3,056.33	4,548.08	1,501.10	1,307.86	193.24	7.768		
12,600.00	7,730.00	7,684.00	7,684.00	78.09	133.13	-90.00	-3,056.33	4,548.08	1,430.20	1,237.76	192.44	7.432		
12,700.00	7,730.00	7,684.00	7,684.00	78.74	133.13	-90.00	-3,056.33	4,548.08	1,362.96	1,171.11	191.84	7.105		
12,800.00	7,730.00	7,684.00	7,684.00	79.45	133.13	-90.00	-3,056.33	4,548.08	1,299.93	1,108.40	191.53	6.787		
12,900.00	7,730.00	7,684.00	7,684.00	80.22	133.13	-90.00	-3,056.33	4,548.08	1,241.77	1,050.16	191.61	6.481		
13,000.00	7,730.00	7,684.00	7,684.00	81.05	133.13	-90.00	-3,056.33	4,548.08	1,189.19	996.97	192.22	6.187		
13,100.00	7,730.00	7,684.00	7,684.00	81.94	133.13	-90.00	-3,056.33	4,548.08	1,142.95	949.50	193.45	5.908		
13,200.00	7,730.00	7,684.00	7,684.00	82.87	133.13	-90.00	-3,056.33	4,548.08	1,103.86	908.49	195.37	5.650		
13,300.00	7,730.00	7,684.00	7,684.00	83.86	133.13	-90.00	-3,056.33	4,548.08	1,072.70	874.71	197.99	5.418		
13,400.00	7,730.00	7,684.00	7,684.00	84.90	133.13	-90.00	-3,056.33	4,548.08	1,050.17	848.95	201.22	5.219		
13,500.00	7,730.00	7,684.00	7,684.00	85.97	133.13	-90.00	-3,056.33	4,548.08	1,036.84	831.93	204.91	5.060		
13,589.14	7,730.00	7,684.00	7,684.00	86.97	133.13	-90.00	-3,056.33	4,548.08	1,033.00	824.60	208.40	4.957 CC		
13,600.00	7,730.00	7,684.00	7,684.00	87.09	133.13	-90.00	-3,056.33	4,548.08	1,033.05	824.22	208.83	4.947 ES		
13,700.00	7,730.00	7,684.00	7,684.00	88.25	133.13	-90.00	-3,056.33	4,548.08	1,038.93	826.16	212.77	4.883		
13,800.00	7,730.00	7,684.00	7,684.00	89.44	133.13	-90.00	-3,056.33	4,548.08	1,054.30	837.78	216.52	4.869 SF		
13,900.00	7,730.00	7,684.00	7,684.00	90.66	133.13	-90.00	-3,056.33	4,548.08	1,078.76	858.84	219.91	4.905		
14,000.00	7,730.00	7,684.00	7,684.00	91.92	133.13	-90.00	-3,056.33	4,548.08	1,111.70	888.83	222.87	4.988		
14,100.00	7,730.00	7,684.00	7,684.00	93.20	133.13	-90.00	-3,056.33	4,548.08	1,152.41	927.06	225.35	5.114		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 34-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,684.00	7,684.00	94.50	133.13	-90.00	-3,056.33	4,548.08	1,200.10	972.73	227.37	5.278		
14,300.00	7,730.00	7,684.00	7,684.00	95.83	133.13	-90.00	-3,056.33	4,548.08	1,253.95	1,025.00	228.96	5.477		
14,400.00	7,730.00	7,684.00	7,684.00	97.17	133.13	-90.00	-3,056.33	4,548.08	1,313.23	1,083.06	230.17	5.705		
14,500.00	7,730.00	7,684.00	7,684.00	98.54	133.13	-90.00	-3,056.33	4,548.08	1,377.22	1,146.15	231.07	5.960		
14,600.00	7,730.00	7,684.00	7,684.00	99.92	133.13	-90.00	-3,056.33	4,548.08	1,445.31	1,213.59	231.72	6.237		
14,700.00	7,730.00	7,684.00	7,684.00	101.32	133.13	-90.00	-3,056.33	4,548.08	1,516.93	1,284.77	232.16	6.534		
14,800.00	7,730.00	7,684.00	7,684.00	102.74	133.13	-90.00	-3,056.33	4,548.08	1,591.62	1,359.18	232.44	6.847		
14,900.00	7,730.00	7,684.00	7,684.00	104.17	133.13	-90.00	-3,056.33	4,548.08	1,668.96	1,436.37	232.60	7.175		
15,000.00	7,730.00	7,684.00	7,684.00	105.62	133.13	-90.00	-3,056.33	4,548.08	1,748.60	1,515.95	232.65	7.516		
15,100.00	7,730.00	7,684.00	7,684.00	107.07	133.13	-90.00	-3,056.33	4,548.08	1,830.24	1,597.61	232.63	7.868		
15,200.00	7,730.00	7,684.00	7,684.00	108.54	133.13	-90.00	-3,056.33	4,548.08	1,913.62	1,681.07	232.56	8.229		
15,300.00	7,730.00	7,684.00	7,684.00	110.02	133.13	-90.00	-3,056.33	4,548.08	1,998.53	1,766.09	232.44	8.598		
15,400.00	7,730.00	7,684.00	7,684.00	111.51	133.13	-90.00	-3,056.33	4,548.08	2,084.78	1,852.49	232.29	8.975		
15,500.00	7,730.00	7,684.00	7,684.00	113.01	133.13	-90.00	-3,056.33	4,548.08	2,172.20	1,940.08	232.12	9.358		
15,600.00	7,730.00	7,684.00	7,684.00	114.52	133.13	-90.00	-3,056.33	4,548.08	2,260.67	2,028.73	231.94	9.747		
15,700.00	7,730.00	7,684.00	7,684.00	116.04	133.13	-90.00	-3,056.33	4,548.08	2,350.07	2,118.32	231.74	10.141		
15,800.00	7,730.00	7,684.00	7,684.00	117.56	133.13	-90.00	-3,056.33	4,548.08	2,440.28	2,208.74	231.54	10.539		
15,900.00	7,730.00	7,684.00	7,684.00	119.09	133.13	-90.00	-3,056.33	4,548.08	2,531.24	2,299.89	231.34	10.941		
16,000.00	7,730.00	7,684.00	7,684.00	120.63	133.13	-90.00	-3,056.33	4,548.08	2,622.85	2,391.71	231.14	11.347		
16,100.00	7,730.00	7,684.00	7,684.00	122.18	133.13	-90.00	-3,056.33	4,548.08	2,715.05	2,484.11	230.94	11.756		
16,200.00	7,730.00	7,684.00	7,684.00	123.73	133.13	-90.00	-3,056.33	4,548.08	2,807.79	2,577.04	230.74	12.168		
16,300.00	7,730.00	7,684.00	7,684.00	125.29	133.13	-90.00	-3,056.33	4,548.08	2,901.01	2,670.46	230.55	12.583		
16,400.00	7,730.00	7,684.00	7,684.00	126.86	133.13	-90.00	-3,056.33	4,548.08	2,994.66	2,764.30	230.36	13.000		
16,500.00	7,730.00	7,684.00	7,684.00	128.43	133.13	-90.00	-3,056.33	4,548.08	3,088.72	2,858.54	230.18	13.419		
16,600.00	7,730.00	7,684.00	7,684.00	130.01	133.13	-90.00	-3,056.33	4,548.08	3,183.14	2,953.14	230.00	13.840		
16,700.00	7,730.00	7,684.00	7,684.00	131.59	133.13	-90.00	-3,056.33	4,548.08	3,277.88	3,048.06	229.83	14.262		
16,800.00	7,730.00	7,684.00	7,684.00	133.18	133.13	-90.00	-3,056.33	4,548.08	3,372.94	3,143.28	229.66	14.687		
16,900.00	7,730.00	7,684.00	7,684.00	134.77	133.13	-90.00	-3,056.33	4,548.08	3,468.27	3,238.77	229.50	15.112		
17,000.00	7,730.00	7,684.00	7,684.00	136.37	133.13	-90.00	-3,056.33	4,548.08	3,563.85	3,334.51	229.34	15.539		
17,100.00	7,730.00	7,684.00	7,684.00	137.97	133.13	-90.00	-3,056.33	4,548.08	3,659.67	3,430.48	229.19	15.968		
17,200.00	7,730.00	7,684.00	7,684.00	139.57	133.13	-90.00	-3,056.33	4,548.08	3,755.71	3,526.66	229.05	16.397		
17,300.00	7,730.00	7,684.00	7,684.00	141.18	133.13	-90.00	-3,056.33	4,548.08	3,851.96	3,623.04	228.91	16.827		
17,400.00	7,730.00	7,684.00	7,684.00	142.79	133.13	-90.00	-3,056.33	4,548.08	3,948.38	3,719.61	228.78	17.259		
17,500.00	7,730.00	7,684.00	7,684.00	144.41	133.13	-90.00	-3,056.33	4,548.08	4,044.99	3,816.33	228.65	17.691		
17,600.00	7,730.00	7,684.00	7,684.00	146.03	133.13	-90.00	-3,056.33	4,548.08	4,141.75	3,913.22	228.53	18.124		
17,700.00	7,730.00	7,684.00	7,684.00	147.65	133.13	-90.00	-3,056.33	4,548.08	4,238.66	4,010.25	228.41	18.557		
17,800.00	7,730.00	7,684.00	7,684.00	149.28	133.13	-90.00	-3,056.33	4,548.08	4,335.71	4,107.42	228.30	18.992		
17,900.00	7,730.00	7,684.00	7,684.00	150.91	133.13	-90.00	-3,056.33	4,548.08	4,432.90	4,204.71	228.19	19.427		
18,000.00	7,730.00	7,684.00	7,684.00	152.54	133.13	-90.00	-3,056.33	4,548.08	4,530.21	4,302.12	228.08	19.862		
18,100.00	7,730.00	7,684.00	7,684.00	154.18	133.13	-90.00	-3,056.33	4,548.08	4,627.63	4,399.64	227.98	20.298		
18,200.00	7,730.00	7,684.00	7,684.00	155.82	133.13	-90.00	-3,056.33	4,548.08	4,725.16	4,497.27	227.89	20.735		
18,300.00	7,730.00	7,684.00	7,684.00	157.46	133.13	-90.00	-3,056.33	4,548.08	4,822.79	4,594.99	227.80	21.172		
18,400.00	7,730.00	7,684.00	7,684.00	159.11	133.13	-90.00	-3,056.33	4,548.08	4,920.51	4,692.81	227.71	21.609		
18,500.00	7,730.00	7,684.00	7,684.00	160.75	133.13	-90.00	-3,056.33	4,548.08	5,018.33	4,790.71	227.62	22.047		
18,600.00	7,730.00	7,684.00	7,684.00	162.40	133.13	-90.00	-3,056.33	4,548.08	5,116.23	4,888.69	227.54	22.485		
18,700.00	7,730.00	7,684.00	7,684.00	164.05	133.13	-90.00	-3,056.33	4,548.08	5,214.21	4,986.74	227.46	22.923		
18,800.00	7,730.00	7,684.00	7,684.00	165.71	133.13	-90.00	-3,056.33	4,548.08	5,312.26	5,084.87	227.39	23.362		
18,900.00	7,730.00	7,684.00	7,684.00	167.36	133.13	-90.00	-3,056.33	4,548.08	5,410.39	5,183.07	227.32	23.801		
18,942.39	7,730.00	7,684.00	7,684.00	168.07	133.13	-90.00	-3,056.33	4,548.08	5,452.01	5,224.72	227.29	23.987		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 43-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	105.04	-1,580.68	5,883.51	6,092.38					
100.00	100.00	46.00	46.00	0.13	0.35	105.04	-1,580.68	5,883.51	6,092.15	6,091.66	0.49	N/A		
200.00	200.00	146.00	146.00	0.49	1.57	105.04	-1,580.68	5,883.51	6,092.15	6,090.08	2.06	2,952.056		
300.00	300.00	246.00	246.00	0.85	3.32	105.04	-1,580.68	5,883.51	6,092.15	6,087.98	4.17	1,461.824		
400.00	400.00	346.00	346.00	1.21	5.06	105.04	-1,580.68	5,883.51	6,092.15	6,085.87	6.27	971.433		
500.00	500.00	446.00	446.00	1.57	6.81	105.04	-1,580.68	5,883.51	6,092.15	6,083.77	8.38	727.412		
600.00	600.00	546.00	546.00	1.93	8.55	105.04	-1,580.68	5,883.51	6,092.15	6,081.67	10.48	581.373		
700.00	700.00	646.00	646.00	2.29	10.30	105.04	-1,580.68	5,883.51	6,092.15	6,079.56	12.58	484.168		
800.00	800.00	746.00	746.00	2.64	12.04	105.04	-1,580.68	5,883.51	6,092.15	6,077.46	14.69	414.813		
900.00	899.98	845.98	845.98	3.00	13.79	45.48	-1,580.68	5,883.51	6,090.92	6,074.14	16.79	362.866		
1,000.00	999.84	945.84	945.84	3.35	15.53	45.57	-1,580.68	5,883.51	6,087.25	6,068.37	18.88	322.405		
1,100.00	1,099.45	1,045.45	1,045.45	3.71	17.27	45.71	-1,580.68	5,883.51	6,081.15	6,060.17	20.98	289.920		
1,200.00	1,198.70	1,144.70	1,144.70	4.08	19.00	45.92	-1,580.68	5,883.51	6,072.62	6,049.55	23.07	263.238		
1,300.00	1,297.47	1,243.47	1,243.47	4.47	20.73	46.18	-1,580.68	5,883.51	6,061.69	6,036.53	25.16	240.904		
1,400.00	1,395.62	1,341.62	1,341.62	4.87	22.44	46.51	-1,580.68	5,883.51	6,048.39	6,021.14	27.26	221.906		
1,500.00	1,493.06	1,439.06	1,439.06	5.31	24.14	46.89	-1,580.68	5,883.51	6,032.75	6,003.40	29.35	205.525		
1,600.00	1,589.64	1,535.64	1,535.64	5.77	25.82	47.33	-1,580.68	5,883.51	6,014.81	5,983.36	31.45	191.230		
1,700.00	1,685.27	1,631.27	1,631.27	6.28	27.49	47.84	-1,580.68	5,883.51	5,994.62	5,961.06	33.56	178.627		
1,800.00	1,779.82	1,725.82	1,725.82	6.83	29.14	48.41	-1,580.68	5,883.51	5,972.22	5,936.54	35.67	167.414		
1,900.00	1,873.17	1,819.17	1,819.17	7.43	30.77	49.04	-1,580.68	5,883.51	5,947.67	5,909.87	37.80	157.357		
2,000.00	1,965.21	1,911.21	1,911.21	8.08	32.38	49.73	-1,580.68	5,883.51	5,921.03	5,881.10	39.93	148.274		
2,100.00	2,055.84	2,001.84	2,001.84	8.79	33.96	50.49	-1,580.68	5,883.51	5,892.38	5,850.29	42.08	140.017		
2,200.00	2,144.94	2,109.06	2,109.06	9.56	35.83	51.31	-1,580.68	5,883.51	5,861.78	5,817.21	44.57	131.530		
2,300.00	2,232.39	2,178.39	2,178.39	10.39	37.04	52.19	-1,580.68	5,883.51	5,829.32	5,782.88	46.43	125.539		
2,400.00	2,318.11	2,264.11	2,264.11	11.30	38.54	53.14	-1,580.68	5,883.51	5,795.08	5,746.44	48.64	119.144		
2,504.60	2,405.78	2,351.78	2,351.78	12.31	40.07	54.20	-1,580.68	5,883.51	5,757.46	5,706.49	50.97	112.959		
2,600.00	2,484.79	2,430.79	2,430.79	13.28	41.45	54.58	-1,580.68	5,883.51	5,722.48	5,669.36	53.12	107.732		
2,700.00	2,567.60	2,513.60	2,513.60	14.32	42.89	54.99	-1,580.68	5,883.51	5,686.13	5,630.73	55.40	102.646		
2,800.00	2,650.41	2,603.59	2,596.41	15.37	44.46	55.41	-1,580.68	5,883.51	5,650.09	5,592.27	57.82	97.715		
2,900.00	2,733.23	2,679.23	2,679.23	16.44	45.78	55.82	-1,580.68	5,883.51	5,614.39	5,554.36	60.02	93.541		
3,000.00	2,816.04	2,762.04	2,762.04	17.52	47.23	56.24	-1,580.68	5,883.51	5,579.01	5,516.65	62.36	89.458		
3,100.00	2,898.85	2,844.85	2,844.85	18.60	48.67	56.67	-1,580.68	5,883.51	5,543.98	5,479.26	64.73	85.652		
3,200.00	2,981.67	2,927.67	2,927.67	19.69	50.12	57.10	-1,580.68	5,883.51	5,509.30	5,442.20	67.11	82.098		
3,300.00	3,064.48	3,010.48	3,010.48	20.79	51.57	57.53	-1,580.68	5,883.51	5,474.97	5,405.47	69.50	78.775		
3,400.00	3,147.30	3,106.70	3,093.30	21.90	53.24	57.97	-1,580.68	5,883.51	5,441.01	5,368.86	72.15	75.416		
3,500.00	3,230.11	3,176.11	3,176.11	23.00	54.46	58.41	-1,580.68	5,883.51	5,407.41	5,333.07	74.34	72.741		
3,600.00	3,312.92	3,258.92	3,258.92	24.12	55.90	58.86	-1,580.68	5,883.51	5,374.18	5,297.41	76.78	69.998		
3,700.00	3,395.74	3,341.74	3,341.74	25.23	57.35	59.31	-1,580.68	5,883.51	5,341.34	5,262.11	79.23	67.416		
3,800.00	3,478.55	3,424.55	3,424.55	26.35	58.79	59.77	-1,580.68	5,883.51	5,308.88	5,227.19	81.69	64.984		
3,900.00	3,561.36	3,507.36	3,507.36	27.47	60.24	60.23	-1,580.68	5,883.51	5,276.83	5,192.65	84.17	62.690		
4,000.00	3,644.18	3,609.82	3,590.18	28.59	62.03	60.69	-1,580.68	5,883.51	5,245.17	5,158.16	87.01	60.285		
4,100.00	3,726.99	3,672.99	3,672.99	29.72	63.13	61.16	-1,580.68	5,883.51	5,213.92	5,124.76	89.17	58.475		
4,200.00	3,809.81	3,755.81	3,755.81	30.85	64.57	61.63	-1,580.68	5,883.51	5,183.10	5,091.42	91.68	56.535		
4,300.00	3,892.62	3,838.62	3,838.62	31.98	66.02	62.11	-1,580.68	5,883.51	5,152.69	5,058.49	94.20	54.697		
4,400.00	3,975.43	3,921.43	3,921.43	33.11	67.46	62.59	-1,580.68	5,883.51	5,122.72	5,025.98	96.74	52.953		
4,500.00	4,058.25	4,004.25	4,004.25	34.24	68.91	63.07	-1,580.68	5,883.51	5,093.20	4,993.91	99.29	51.297		
4,600.00	4,141.06	4,087.06	4,087.06	35.37	70.36	63.56	-1,580.68	5,883.51	5,064.11	4,962.27	101.85	49.723		
4,700.00	4,223.87	4,169.87	4,169.87	36.50	71.80	64.05	-1,580.68	5,883.51	5,035.49	4,931.08	104.41	48.226		
4,800.00	4,306.69	4,252.69	4,252.69	37.64	73.25	64.55	-1,580.68	5,883.51	5,007.33	4,900.34	106.99	46.801		
4,900.00	4,389.50	4,335.50	4,335.50	38.77	74.69	65.05	-1,580.68	5,883.51	4,979.64	4,870.06	109.58	45.443		
5,000.00	4,472.32	4,418.32	4,418.32	39.91	76.14	65.56	-1,580.68	5,883.51	4,952.43	4,840.25	112.18	44.148		
5,100.00	4,555.13	4,501.13	4,501.13	41.05	77.58	66.07	-1,580.68	5,883.51	4,925.71	4,810.92	114.78	42.913		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 43-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,583.94	4,583.94	42.18	79.03	66.58	-1,580.68	5,883.51	4,899.48	4,782.08	117.40	41.733		
5,300.00	4,720.76	4,666.76	4,666.76	43.32	80.47	67.10	-1,580.68	5,883.51	4,873.76	4,753.73	120.03	40.606		
5,400.00	4,803.57	4,749.57	4,749.57	44.46	81.92	67.62	-1,580.68	5,883.51	4,848.55	4,725.89	122.66	39.529		
5,500.00	4,886.39	4,832.39	4,832.39	45.60	83.36	68.15	-1,580.68	5,883.51	4,823.86	4,698.56	125.30	38.498		
5,600.00	4,969.20	4,915.20	4,915.20	46.74	84.81	68.68	-1,580.68	5,883.51	4,799.69	4,671.74	127.95	37.512		
5,700.00	5,052.01	5,001.99	4,998.01	47.88	86.32	69.21	-1,580.68	5,883.51	4,776.06	4,645.39	130.68	36.549		
5,800.00	5,134.83	5,080.83	5,080.83	49.02	87.70	69.75	-1,580.68	5,883.51	4,752.98	4,619.71	133.27	35.664		
5,900.00	5,217.64	5,163.64	5,163.64	50.16	89.15	70.29	-1,580.68	5,883.51	4,730.45	4,594.50	135.94	34.797		
6,000.00	5,300.45	5,246.45	5,246.45	51.30	90.59	70.83	-1,580.68	5,883.51	4,708.47	4,569.85	138.62	33.967		
6,100.00	5,383.27	5,329.27	5,329.27	52.45	92.04	71.38	-1,580.68	5,883.51	4,687.07	4,545.76	141.30	33.170		
6,200.00	5,466.08	5,412.08	5,412.08	53.59	93.48	71.94	-1,580.68	5,883.51	4,666.24	4,522.24	143.99	32.406		
6,300.00	5,548.90	5,505.10	5,494.90	54.73	95.10	72.49	-1,580.68	5,883.51	4,645.99	4,499.12	146.87	31.634		
6,400.00	5,631.71	5,577.71	5,577.71	55.87	96.37	73.05	-1,580.68	5,883.51	4,626.33	4,476.94	149.39	30.968		
6,500.00	5,714.52	5,660.52	5,660.52	57.02	97.82	73.61	-1,580.68	5,883.51	4,607.27	4,455.18	152.09	30.293		
6,600.00	5,797.34	5,743.34	5,743.34	58.16	99.26	74.18	-1,580.68	5,883.51	4,588.82	4,434.01	154.80	29.643		
6,700.00	5,880.15	5,826.15	5,826.15	59.30	100.71	74.75	-1,580.68	5,883.51	4,570.97	4,413.46	157.51	29.020		
6,800.00	5,962.96	5,908.96	5,908.96	60.45	102.15	75.32	-1,580.68	5,883.51	4,553.75	4,393.53	160.23	28.421		
6,900.00	6,045.78	6,008.22	5,991.78	61.59	103.89	75.89	-1,580.68	5,883.51	4,537.16	4,373.93	163.23	27.796		
7,000.00	6,128.59	6,074.59	6,074.59	62.73	105.04	76.47	-1,580.68	5,883.51	4,521.20	4,355.54	165.66	27.292		
7,100.00	6,211.41	6,157.41	6,157.41	63.88	106.49	77.05	-1,580.68	5,883.51	4,505.88	4,337.50	168.38	26.760		
7,200.00	6,294.22	6,240.22	6,240.22	65.02	107.93	77.63	-1,580.68	5,883.51	4,491.21	4,320.11	171.10	26.249		
7,300.00	6,377.03	6,323.03	6,323.03	66.17	109.38	78.22	-1,580.68	5,883.51	4,477.19	4,303.37	173.82	25.757		
7,400.00	6,459.85	6,405.85	6,405.85	67.31	110.83	78.81	-1,580.68	5,883.51	4,463.83	4,287.29	176.54	25.285		
7,500.00	6,542.66	6,488.66	6,488.66	68.46	112.27	79.40	-1,580.68	5,883.51	4,451.14	4,271.88	179.26	24.830		
7,600.00	6,625.48	6,571.48	6,571.48	69.60	113.72	79.99	-1,580.68	5,883.51	4,439.12	4,257.14	181.98	24.393		
7,700.00	6,708.29	6,654.29	6,654.29	70.75	115.16	80.59	-1,580.68	5,883.51	4,427.77	4,243.08	184.70	23.973		
7,800.00	6,791.10	6,737.10	6,737.10	71.89	116.61	81.18	-1,580.68	5,883.51	4,417.11	4,229.70	187.41	23.569		
7,900.00	6,873.92	6,819.92	6,819.92	73.04	118.05	81.78	-1,580.68	5,883.51	4,407.14	4,217.02	190.12	23.181		
8,000.00	6,956.73	6,902.73	6,902.73	74.18	119.50	82.38	-1,580.68	5,883.51	4,397.86	4,205.03	192.83	22.807		
8,100.00	7,039.54	6,985.54	6,985.54	75.33	120.94	82.99	-1,580.68	5,883.51	4,389.27	4,193.74	195.53	22.448		
8,165.32	7,093.63	7,039.63	7,039.63	76.08	121.89	83.38	-1,580.68	5,883.51	4,384.04	4,186.75	197.29	22.221		
8,200.00	7,122.60	7,068.60	7,068.60	76.47	122.39	78.57	-1,580.68	5,883.51	4,380.50	4,182.28	198.22	22.099		
8,250.00	7,165.05	7,111.05	7,111.05	77.01	123.13	70.76	-1,580.68	5,883.51	4,372.45	4,172.92	199.54	21.913		
8,300.00	7,208.03	7,154.03	7,154.03	77.52	123.88	62.09	-1,580.68	5,883.51	4,360.95	4,160.13	200.82	21.716		
8,350.00	7,251.22	7,202.78	7,197.22	77.99	124.73	52.92	-1,580.68	5,883.51	4,346.03	4,143.88	202.14	21.500		
8,400.00	7,294.28	7,240.28	7,240.28	78.41	125.39	43.65	-1,580.68	5,883.51	4,327.78	4,124.56	203.22	21.296		
8,450.00	7,336.90	7,282.90	7,282.90	78.78	126.13	34.64	-1,580.68	5,883.51	4,306.30	4,101.98	204.32	21.077		
8,500.00	7,378.73	7,324.73	7,324.73	79.10	126.86	26.10	-1,580.68	5,883.51	4,281.73	4,076.39	205.34	20.852		
8,550.00	7,419.47	7,365.47	7,365.47	79.37	127.57	18.09	-1,580.68	5,883.51	4,254.23	4,047.95	206.28	20.624		
8,600.00	7,458.81	7,404.81	7,404.81	79.59	128.26	10.52	-1,580.68	5,883.51	4,223.98	4,016.86	207.13	20.393		
8,650.00	7,496.44	7,442.44	7,442.44	79.76	128.92	3.22	-1,580.68	5,883.51	4,191.22	3,983.34	207.88	20.161		
8,700.00	7,532.08	7,478.08	7,478.08	79.88	129.54	-3.99	-1,580.68	5,883.51	4,156.18	3,947.64	208.54	19.930		
8,750.00	7,565.46	7,511.46	7,511.46	79.95	130.12	-11.34	-1,580.68	5,883.51	4,119.12	3,910.02	209.10	19.699		
8,800.00	7,596.33	7,542.33	7,542.33	79.98	130.66	-19.03	-1,580.68	5,883.51	4,080.34	3,870.79	209.55	19.472		
8,850.00	7,624.44	7,570.44	7,570.44	79.97	131.15	-27.21	-1,580.68	5,883.51	4,040.15	3,830.26	209.90	19.248		
8,900.00	7,649.59	7,604.41	7,595.59	79.93	131.74	-35.94	-1,580.68	5,883.51	3,998.88	3,788.59	210.29	19.016		
8,950.00	7,671.59	7,617.59	7,617.59	79.84	131.97	-45.12	-1,580.68	5,883.51	3,956.86	3,746.59	210.27	18.818		
9,000.00	7,690.26	7,636.26	7,636.26	79.73	132.30	-54.51	-1,580.68	5,883.51	3,914.46	3,704.17	210.29	18.614		
9,050.00	7,705.47	7,651.47	7,651.47	79.59	132.57	-63.71	-1,580.68	5,883.51	3,872.03	3,661.83	210.21	18.420		
9,100.00	7,717.09	7,663.09	7,663.09	79.43	132.77	-72.30	-1,580.68	5,883.51	3,829.96	3,619.94	210.02	18.236		
9,150.00	7,725.04	7,671.04	7,671.04	79.26	132.91	-79.96	-1,580.68	5,883.51	3,788.60	3,578.87	209.73	18.064		
9,200.00	7,729.27	7,675.27	7,675.27	79.06	132.98	-86.50	-1,580.68	5,883.51	3,748.33	3,538.99	209.34	17.906		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 43-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	7,676.00	7,676.00	78.93	132.99	-90.00	-1,580.68	5,883.51	3,723.96	3,514.92	209.04	17.814		
9,300.00	7,730.00	7,676.00	7,676.00	78.65	132.99	-90.00	-1,580.68	5,883.51	3,671.00	3,462.66	208.35	17.620		
9,400.00	7,730.00	7,676.00	7,676.00	78.26	132.99	-90.00	-1,580.68	5,883.51	3,595.06	3,387.76	207.30	17.343		
9,500.00	7,730.00	7,676.00	7,676.00	77.89	132.99	-90.00	-1,580.68	5,883.51	3,520.32	3,314.12	206.20	17.072		
9,600.00	7,730.00	7,676.00	7,676.00	77.53	132.99	-90.00	-1,580.68	5,883.51	3,446.86	3,241.80	205.06	16.809		
9,700.00	7,730.00	7,676.00	7,676.00	77.19	132.99	-90.00	-1,580.68	5,883.51	3,374.77	3,170.89	203.88	16.553		
9,800.00	7,730.00	7,676.00	7,676.00	76.88	132.99	-90.00	-1,580.68	5,883.51	3,304.13	3,101.48	202.65	16.305		
9,900.00	7,730.00	7,676.00	7,676.00	76.58	132.99	-90.00	-1,580.68	5,883.51	3,235.04	3,033.66	201.37	16.065		
10,000.00	7,730.00	7,676.00	7,676.00	76.30	132.99	-90.00	-1,580.68	5,883.51	3,167.60	2,967.54	200.06	15.833		
10,100.00	7,730.00	7,676.00	7,676.00	76.04	132.99	-90.00	-1,580.68	5,883.51	3,101.91	2,903.21	198.70	15.611		
10,200.00	7,730.00	7,676.00	7,676.00	75.79	132.99	-90.00	-1,580.68	5,883.51	3,038.10	2,840.79	197.32	15.397		
10,300.00	7,730.00	7,676.00	7,676.00	75.57	132.99	-90.00	-1,580.68	5,883.51	2,976.28	2,780.38	195.90	15.193		
10,400.00	7,730.00	7,676.00	7,676.00	75.36	132.99	-90.00	-1,580.68	5,883.51	2,916.58	2,722.11	194.47	14.997		
10,500.00	7,730.00	7,676.00	7,676.00	75.18	132.99	-90.00	-1,580.68	5,883.51	2,859.14	2,666.10	193.04	14.811		
10,600.00	7,730.00	7,676.00	7,676.00	75.01	132.99	-90.00	-1,580.68	5,883.51	2,804.08	2,612.47	191.61	14.635		
10,700.00	7,730.00	7,676.00	7,676.00	74.86	132.99	-90.00	-1,580.68	5,883.51	2,751.56	2,561.35	190.21	14.466		
10,800.00	7,730.00	7,676.00	7,676.00	74.74	132.99	-90.00	-1,580.68	5,883.51	2,701.72	2,512.86	188.85	14.306		
10,900.00	7,730.00	7,676.00	7,676.00	74.64	132.99	-90.00	-1,580.68	5,883.51	2,654.71	2,467.14	187.57	14.153		
11,000.00	7,730.00	7,676.00	7,676.00	74.56	132.99	-90.00	-1,580.68	5,883.51	2,610.69	2,424.29	186.40	14.006		
11,100.00	7,730.00	7,676.00	7,676.00	74.51	132.99	-90.00	-1,580.68	5,883.51	2,569.80	2,384.45	185.35	13.864		
11,200.00	7,730.00	7,676.00	7,676.00	74.48	132.99	-90.00	-1,580.68	5,883.51	2,532.21	2,347.73	184.48	13.726		
11,300.00	7,730.00	7,676.00	7,676.00	74.48	132.99	-90.00	-1,580.68	5,883.51	2,498.06	2,314.24	183.81	13.590		
11,400.00	7,730.00	7,676.00	7,676.00	74.50	132.99	-90.00	-1,580.68	5,883.51	2,467.49	2,284.10	183.38	13.455		
11,500.00	7,730.00	7,676.00	7,676.00	74.56	132.99	-90.00	-1,580.68	5,883.51	2,440.63	2,257.41	183.22	13.321		
11,600.00	7,730.00	7,676.00	7,676.00	74.66	132.99	-90.00	-1,580.68	5,883.51	2,417.62	2,234.28	183.34	13.186		
11,700.00	7,730.00	7,676.00	7,676.00	74.79	132.99	-90.00	-1,580.68	5,883.51	2,398.56	2,214.79	183.77	13.052		
11,800.00	7,730.00	7,676.00	7,676.00	74.96	132.99	-90.00	-1,580.68	5,883.51	2,383.55	2,199.04	184.51	12.918		
11,900.00	7,730.00	7,676.00	7,676.00	75.17	132.99	-90.00	-1,580.68	5,883.51	2,372.66	2,187.12	185.54	12.788		
12,000.00	7,730.00	7,676.00	7,676.00	75.43	132.99	-90.00	-1,580.68	5,883.51	2,365.94	2,179.10	186.85	12.662		
12,100.00	7,730.00	7,676.00	7,676.00	75.73	132.99	-90.00	-1,580.68	5,883.51	2,363.45	2,175.05	188.40	12.545		
12,108.99	7,730.00	7,676.00	7,676.00	75.76	132.99	-90.00	-1,580.68	5,883.51	2,363.43	2,174.88	188.56	12.534 CC, ES		
12,200.00	7,730.00	7,676.00	7,676.00	76.09	132.99	-90.00	-1,580.68	5,883.51	2,365.18	2,175.01	190.18	12.437		
12,300.00	7,730.00	7,676.00	7,676.00	76.51	132.99	-90.00	-1,580.68	5,883.51	2,371.14	2,179.01	192.13	12.342		
12,400.00	7,730.00	7,676.00	7,676.00	76.97	132.99	-90.00	-1,580.68	5,883.51	2,381.28	2,187.07	194.21	12.261		
12,500.00	7,730.00	7,676.00	7,676.00	77.50	132.99	-90.00	-1,580.68	5,883.51	2,395.56	2,199.17	196.39	12.198		
12,600.00	7,730.00	7,676.00	7,676.00	78.09	132.99	-90.00	-1,580.68	5,883.51	2,413.90	2,215.26	198.64	12.152		
12,700.00	7,730.00	7,676.00	7,676.00	78.74	132.99	-90.00	-1,580.68	5,883.51	2,436.21	2,235.30	200.91	12.126		
12,800.00	7,730.00	7,676.00	7,676.00	79.45	132.99	-90.00	-1,580.68	5,883.51	2,462.38	2,259.20	203.18	12.119 SF		
12,900.00	7,730.00	7,676.00	7,676.00	80.22	132.99	-90.00	-1,580.68	5,883.51	2,492.29	2,286.86	205.43	12.132		
13,000.00	7,730.00	7,676.00	7,676.00	81.05	132.99	-90.00	-1,580.68	5,883.51	2,525.81	2,318.19	207.62	12.165		
13,100.00	7,730.00	7,676.00	7,676.00	81.94	132.99	-90.00	-1,580.68	5,883.51	2,562.79	2,353.04	209.76	12.218		
13,200.00	7,730.00	7,676.00	7,676.00	82.87	132.99	-90.00	-1,580.68	5,883.51	2,603.10	2,391.28	211.81	12.290		
13,300.00	7,730.00	7,676.00	7,676.00	83.86	132.99	-90.00	-1,580.68	5,883.51	2,646.57	2,432.78	213.78	12.380		
13,400.00	7,730.00	7,676.00	7,676.00	84.90	132.99	-90.00	-1,580.68	5,883.51	2,693.05	2,477.39	215.66	12.487		
13,500.00	7,730.00	7,676.00	7,676.00	85.97	132.99	-90.00	-1,580.68	5,883.51	2,742.39	2,524.95	217.45	12.612		
13,600.00	7,730.00	7,676.00	7,676.00	87.09	132.99	-90.00	-1,580.68	5,883.51	2,794.45	2,575.31	219.13	12.752		
13,700.00	7,730.00	7,676.00	7,676.00	88.25	132.99	-90.00	-1,580.68	5,883.51	2,849.06	2,628.34	220.72	12.908		
13,800.00	7,730.00	7,676.00	7,676.00	89.44	132.99	-90.00	-1,580.68	5,883.51	2,906.08	2,683.88	222.21	13.078		
13,900.00	7,730.00	7,676.00	7,676.00	90.66	132.99	-90.00	-1,580.68	5,883.51	2,965.39	2,741.78	223.60	13.262		
14,000.00	7,730.00	7,676.00	7,676.00	91.92	132.99	-90.00	-1,580.68	5,883.51	3,026.84	2,801.92	224.91	13.458		
14,100.00	7,730.00	7,676.00	7,676.00	93.20	132.99	-90.00	-1,580.68	5,883.51	3,090.30	2,864.17	226.13	13.666		
14,200.00	7,730.00	7,676.00	7,676.00	94.50	132.99	-90.00	-1,580.68	5,883.51	3,155.65	2,928.39	227.27	13.885		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 43-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,676.00	7,676.00	95.83	132.99	-90.00	-1,580.68	5,883.51	3,222.78	2,994.46	228.32	14.115		
14,400.00	7,730.00	7,676.00	7,676.00	97.17	132.99	-90.00	-1,580.68	5,883.51	3,291.59	3,062.28	229.31	14.354		
14,500.00	7,730.00	7,676.00	7,676.00	98.54	132.99	-90.00	-1,580.68	5,883.51	3,361.95	3,131.73	230.22	14.603		
14,600.00	7,730.00	7,676.00	7,676.00	99.92	132.99	-90.00	-1,580.68	5,883.51	3,433.79	3,202.72	231.07	14.860		
14,700.00	7,730.00	7,676.00	7,676.00	101.32	132.99	-90.00	-1,580.68	5,883.51	3,507.01	3,275.15	231.86	15.126		
14,800.00	7,730.00	7,676.00	7,676.00	102.74	132.99	-90.00	-1,580.68	5,883.51	3,581.53	3,348.93	232.59	15.398		
14,900.00	7,730.00	7,676.00	7,676.00	104.17	132.99	-90.00	-1,580.68	5,883.51	3,657.26	3,423.99	233.27	15.678		
15,000.00	7,730.00	7,676.00	7,676.00	105.62	132.99	-90.00	-1,580.68	5,883.51	3,734.13	3,500.23	233.91	15.964		
15,100.00	7,730.00	7,676.00	7,676.00	107.07	132.99	-90.00	-1,580.68	5,883.51	3,812.08	3,577.59	234.49	16.257		
15,200.00	7,730.00	7,676.00	7,676.00	108.54	132.99	-90.00	-1,580.68	5,883.51	3,891.03	3,656.00	235.04	16.555		
15,300.00	7,730.00	7,676.00	7,676.00	110.02	132.99	-90.00	-1,580.68	5,883.51	3,970.94	3,735.40	235.54	16.859		
15,400.00	7,730.00	7,676.00	7,676.00	111.51	132.99	-90.00	-1,580.68	5,883.51	4,051.73	3,815.72	236.01	17.167		
15,500.00	7,730.00	7,676.00	7,676.00	113.01	132.99	-90.00	-1,580.68	5,883.51	4,133.37	3,896.92	236.45	17.481		
15,600.00	7,730.00	7,676.00	7,676.00	114.52	132.99	-90.00	-1,580.68	5,883.51	4,215.80	3,978.94	236.86	17.799		
15,700.00	7,730.00	7,676.00	7,676.00	116.04	132.99	-90.00	-1,580.68	5,883.51	4,298.97	4,061.74	237.24	18.121		
15,800.00	7,730.00	7,676.00	7,676.00	117.56	132.99	-90.00	-1,580.68	5,883.51	4,382.85	4,145.26	237.59	18.447		
15,900.00	7,730.00	7,676.00	7,676.00	119.09	132.99	-90.00	-1,580.68	5,883.51	4,467.39	4,229.47	237.92	18.777		
16,000.00	7,730.00	7,676.00	7,676.00	120.63	132.99	-90.00	-1,580.68	5,883.51	4,552.56	4,314.33	238.22	19.111		
16,100.00	7,730.00	7,676.00	7,676.00	122.18	132.99	-90.00	-1,580.68	5,883.51	4,638.32	4,399.81	238.51	19.447		
16,200.00	7,730.00	7,676.00	7,676.00	123.73	132.99	-90.00	-1,580.68	5,883.51	4,724.63	4,485.86	238.77	19.787		
16,300.00	7,730.00	7,676.00	7,676.00	125.29	132.99	-90.00	-1,580.68	5,883.51	4,811.48	4,572.46	239.02	20.130		
16,400.00	7,730.00	7,676.00	7,676.00	126.86	132.99	-90.00	-1,580.68	5,883.51	4,898.83	4,659.58	239.25	20.475		
16,500.00	7,730.00	7,676.00	7,676.00	128.43	132.99	-90.00	-1,580.68	5,883.51	4,986.66	4,747.19	239.47	20.824		
16,600.00	7,730.00	7,676.00	7,676.00	130.01	132.99	-90.00	-1,580.68	5,883.51	5,074.94	4,835.26	239.67	21.174		
16,700.00	7,730.00	7,676.00	7,676.00	131.59	132.99	-90.00	-1,580.68	5,883.51	5,163.64	4,923.78	239.86	21.527		
16,800.00	7,730.00	7,676.00	7,676.00	133.18	132.99	-90.00	-1,580.68	5,883.51	5,252.75	5,012.71	240.04	21.883		
16,900.00	7,730.00	7,676.00	7,676.00	134.77	132.99	-90.00	-1,580.68	5,883.51	5,342.25	5,102.04	240.21	22.240		
17,000.00	7,730.00	7,676.00	7,676.00	136.37	132.99	-90.00	-1,580.68	5,883.51	5,432.11	5,191.74	240.37	22.599		
17,100.00	7,730.00	7,676.00	7,676.00	137.97	132.99	-90.00	-1,580.68	5,883.51	5,522.32	5,281.80	240.51	22.961		
17,200.00	7,730.00	7,676.00	7,676.00	139.57	132.99	-90.00	-1,580.68	5,883.51	5,612.86	5,372.21	240.65	23.324		
17,300.00	7,730.00	7,676.00	7,676.00	141.18	132.99	-90.00	-1,580.68	5,883.51	5,703.72	5,462.94	240.78	23.688		
17,400.00	7,730.00	7,676.00	7,676.00	142.79	132.99	-90.00	-1,580.68	5,883.51	5,794.88	5,553.97	240.90	24.055		
17,500.00	7,730.00	7,676.00	7,676.00	144.41	132.99	-90.00	-1,580.68	5,883.51	5,886.32	5,645.30	241.02	24.423		
17,600.00	7,730.00	7,676.00	7,676.00	146.03	132.99	-90.00	-1,580.68	5,883.51	5,978.04	5,736.92	241.13	24.792		
17,700.00	7,730.00	7,676.00	7,676.00	147.65	132.99	-90.00	-1,580.68	5,883.51	6,070.02	5,828.80	241.23	25.163		
17,800.00	7,730.00	7,676.00	7,676.00	149.28	132.99	-90.00	-1,580.68	5,883.51	6,162.26	5,920.93	241.33	25.535		
17,900.00	7,730.00	7,676.00	7,676.00	150.91	132.99	-90.00	-1,580.68	5,883.51	6,254.73	6,013.31	241.42	25.908		
18,000.00	7,730.00	7,676.00	7,676.00	152.54	132.99	-90.00	-1,580.68	5,883.51	6,347.42	6,105.92	241.50	26.283		
18,100.00	7,730.00	7,676.00	7,676.00	154.18	132.99	-90.00	-1,580.68	5,883.51	6,440.34	6,198.76	241.59	26.659		
18,200.00	7,730.00	7,676.00	7,676.00	155.82	132.99	-90.00	-1,580.68	5,883.51	6,533.47	6,291.80	241.66	27.035		
18,300.00	7,730.00	7,676.00	7,676.00	157.46	132.99	-90.00	-1,580.68	5,883.51	6,626.79	6,385.06	241.74	27.413		
18,400.00	7,730.00	7,676.00	7,676.00	159.11	132.99	-90.00	-1,580.68	5,883.51	6,720.31	6,478.51	241.81	27.792		
18,500.00	7,730.00	7,676.00	7,676.00	160.75	132.99	-90.00	-1,580.68	5,883.51	6,814.02	6,572.14	241.87	28.172		
18,600.00	7,730.00	7,676.00	7,676.00	162.40	132.99	-90.00	-1,580.68	5,883.51	6,907.89	6,665.96	241.94	28.552		
18,700.00	7,730.00	7,676.00	7,676.00	164.05	132.99	-90.00	-1,580.68	5,883.51	7,001.94	6,759.95	242.00	28.934		
18,800.00	7,730.00	7,676.00	7,676.00	165.71	132.99	-90.00	-1,580.68	5,883.51	7,096.16	6,854.10	242.05	29.316		
18,900.00	7,730.00	7,676.00	7,676.00	167.36	132.99	-90.00	-1,580.68	5,883.51	7,190.52	6,948.41	242.11	29.699		
18,942.39	7,730.00	7,676.00	7,676.00	168.07	132.99	-90.00	-1,580.68	5,883.51	7,230.57	6,988.44	242.13	29.862		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN E UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	114.96	-2,506.81	5,386.67	5,941.61					
100.00	100.00	52.00	52.00	0.13	0.40	114.96	-2,506.81	5,386.67	5,941.41	5,940.88	0.53	N/A		
200.00	200.00	152.00	152.00	0.49	1.68	114.96	-2,506.81	5,386.67	5,941.41	5,939.24	2.17	2,739.978		
300.00	300.00	252.00	252.00	0.85	3.42	114.96	-2,506.81	5,386.67	5,941.41	5,937.14	4.27	1,390.709		
400.00	400.00	352.00	352.00	1.21	5.17	114.96	-2,506.81	5,386.67	5,941.41	5,935.04	6.38	931.837		
500.00	500.00	452.00	452.00	1.57	6.91	114.96	-2,506.81	5,386.67	5,941.41	5,932.93	8.48	700.653		
600.00	600.00	552.00	552.00	1.93	8.66	114.96	-2,506.81	5,386.67	5,941.41	5,930.83	10.58	561.378		
700.00	700.00	652.00	652.00	2.29	10.40	114.96	-2,506.81	5,386.67	5,941.41	5,928.72	12.69	468.292		
800.00	800.00	752.00	752.00	2.64	12.15	114.96	-2,506.81	5,386.67	5,941.41	5,926.62	14.79	401.685		
900.00	899.98	851.98	851.98	3.00	13.89	55.40	-2,506.81	5,386.67	5,940.42	5,923.53	16.89	351.705		
1,000.00	999.84	951.84	951.84	3.35	15.64	55.49	-2,506.81	5,386.67	5,937.45	5,918.46	18.99	312.736		
1,100.00	1,099.45	1,051.45	1,051.45	3.71	17.37	55.64	-2,506.81	5,386.67	5,932.51	5,911.43	21.08	281.418		
1,200.00	1,198.70	1,150.70	1,150.70	4.08	19.11	55.85	-2,506.81	5,386.67	5,925.61	5,902.44	23.18	255.671		
1,300.00	1,297.47	1,249.47	1,249.47	4.47	20.83	56.12	-2,506.81	5,386.67	5,916.79	5,891.51	25.27	234.097		
1,400.00	1,395.62	1,347.62	1,347.62	4.87	22.54	56.45	-2,506.81	5,386.67	5,906.06	5,878.68	27.38	215.729		
1,500.00	1,493.06	1,445.06	1,445.06	5.31	24.24	56.85	-2,506.81	5,386.67	5,893.47	5,863.98	29.49	199.872		
1,600.00	1,589.64	1,541.64	1,541.64	5.77	25.93	57.30	-2,506.81	5,386.67	5,879.05	5,847.45	31.60	186.020		
1,700.00	1,685.27	1,637.27	1,637.27	6.28	27.60	57.81	-2,506.81	5,386.67	5,862.87	5,829.13	33.73	173.794		
1,800.00	1,779.82	1,731.82	1,731.82	6.83	29.25	58.38	-2,506.81	5,386.67	5,844.96	5,809.08	35.88	162.905		
1,900.00	1,873.17	1,825.17	1,825.17	7.43	30.88	59.00	-2,506.81	5,386.67	5,825.40	5,787.35	38.04	153.129		
2,000.00	1,965.21	1,917.21	1,917.21	8.08	32.48	59.69	-2,506.81	5,386.67	5,804.24	5,764.02	40.23	144.292		
2,100.00	2,055.84	2,007.84	2,007.84	8.79	34.07	60.43	-2,506.81	5,386.67	5,781.57	5,739.14	42.43	136.255		
2,200.00	2,144.94	2,103.06	2,096.94	9.56	35.73	61.22	-2,506.81	5,386.67	5,757.46	5,712.69	44.77	128.598		
2,300.00	2,232.39	2,184.39	2,184.39	10.39	37.15	62.07	-2,506.81	5,386.67	5,732.01	5,685.08	46.92	122.156		
2,400.00	2,318.11	2,270.11	2,270.11	11.30	38.64	62.97	-2,506.81	5,386.67	5,705.29	5,656.07	49.21	115.931		
2,504.60	2,405.78	2,357.78	2,357.78	12.31	40.17	63.96	-2,506.81	5,386.67	5,676.10	5,624.45	51.64	109.914		
2,600.00	2,484.79	2,436.79	2,436.79	13.28	41.55	64.38	-2,506.81	5,386.67	5,649.11	5,595.23	53.88	104.837		
2,700.00	2,567.60	2,519.60	2,519.60	14.32	43.00	64.83	-2,506.81	5,386.67	5,621.24	5,564.97	56.26	99.911		
2,800.00	2,650.41	2,602.41	2,602.41	15.37	44.44	65.27	-2,506.81	5,386.67	5,593.78	5,535.12	58.66	95.352		
2,900.00	2,733.23	2,685.23	2,685.23	16.44	45.89	65.72	-2,506.81	5,386.67	5,566.76	5,505.67	61.09	91.127		
3,000.00	2,816.04	2,768.04	2,768.04	17.52	47.33	66.18	-2,506.81	5,386.67	5,540.17	5,476.64	63.53	87.206		
3,100.00	2,898.85	2,850.85	2,850.85	18.60	48.78	66.64	-2,506.81	5,386.67	5,514.02	5,448.03	65.99	83.560		
3,200.00	2,981.67	2,933.67	2,933.67	19.69	50.22	67.10	-2,506.81	5,386.67	5,488.32	5,419.86	68.46	80.165		
3,300.00	3,064.48	3,016.48	3,016.48	20.79	51.67	67.56	-2,506.81	5,386.67	5,463.07	5,392.12	70.95	76.997		
3,400.00	3,147.30	3,100.70	3,099.30	21.90	53.14	68.02	-2,506.81	5,386.67	5,438.29	5,364.81	73.48	74.013		
3,500.00	3,230.11	3,182.11	3,182.11	23.00	54.56	68.49	-2,506.81	5,386.67	5,413.97	5,338.00	75.97	71.268		
3,600.00	3,312.92	3,264.92	3,264.92	24.12	56.01	68.97	-2,506.81	5,386.67	5,390.13	5,311.63	78.49	68.671		
3,700.00	3,395.74	3,347.74	3,347.74	25.23	57.45	69.44	-2,506.81	5,386.67	5,366.76	5,285.73	81.03	66.233		
3,800.00	3,478.55	3,430.55	3,430.55	26.35	58.90	69.92	-2,506.81	5,386.67	5,343.88	5,260.31	83.57	63.942		
3,900.00	3,561.36	3,513.36	3,513.36	27.47	60.34	70.40	-2,506.81	5,386.67	5,321.49	5,235.36	86.13	61.784		
4,000.00	3,644.18	3,603.82	3,596.18	28.59	61.92	70.89	-2,506.81	5,386.67	5,299.60	5,210.77	88.83	59.661		
4,100.00	3,726.99	3,678.99	3,678.99	29.72	63.23	71.37	-2,506.81	5,386.67	5,278.22	5,186.95	91.27	57.832		
4,200.00	3,809.81	3,761.81	3,761.81	30.85	64.68	71.86	-2,506.81	5,386.67	5,257.34	5,163.49	93.85	56.019		
4,300.00	3,892.62	3,844.62	3,844.62	31.98	66.12	72.36	-2,506.81	5,386.67	5,236.99	5,140.55	96.44	54.304		
4,400.00	3,975.43	3,927.43	3,927.43	33.11	67.57	72.85	-2,506.81	5,386.67	5,217.15	5,118.12	99.03	52.680		
4,500.00	4,058.25	4,010.25	4,010.25	34.24	69.01	73.35	-2,506.81	5,386.67	5,197.84	5,096.21	101.64	51.141		
4,600.00	4,141.06	4,106.94	4,093.06	35.37	70.70	73.85	-2,506.81	5,386.67	5,179.07	5,074.58	104.49	49.566		
4,700.00	4,223.87	4,175.87	4,175.87	36.50	71.91	74.35	-2,506.81	5,386.67	5,160.84	5,053.98	106.86	48.294		
4,800.00	4,306.69	4,258.69	4,258.69	37.64	73.35	74.86	-2,506.81	5,386.67	5,143.16	5,033.67	109.48	46.977		
4,900.00	4,389.50	4,341.50	4,341.50	38.77	74.80	75.37	-2,506.81	5,386.67	5,126.03	5,013.92	112.11	45.724		
5,000.00	4,472.32	4,424.32	4,424.32	39.91	76.24	75.88	-2,506.81	5,386.67	5,109.45	4,994.71	114.74	44.531		
5,100.00	4,555.13	4,507.13	4,507.13	41.05	77.69	76.39	-2,506.81	5,386.67	5,093.44	4,976.06	117.38	43.395		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN E UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,589.94	4,589.94	42.18	79.13	76.90	-2,506.81	5,386.67	5,077.99	4,957.98	120.01	42.312		
5,300.00	4,720.76	4,672.76	4,672.76	43.32	80.58	77.42	-2,506.81	5,386.67	5,063.12	4,940.47	122.66	41.279		
5,400.00	4,803.57	4,755.57	4,755.57	44.46	82.02	77.94	-2,506.81	5,386.67	5,048.83	4,923.53	125.30	40.293		
5,500.00	4,886.39	4,838.39	4,838.39	45.60	83.47	78.46	-2,506.81	5,386.67	5,035.12	4,907.17	127.95	39.352		
5,600.00	4,969.20	4,921.20	4,921.20	46.74	84.91	78.99	-2,506.81	5,386.67	5,022.00	4,891.40	130.60	38.453		
5,700.00	5,052.01	5,004.01	5,004.01	47.88	86.36	79.51	-2,506.81	5,386.67	5,009.48	4,876.22	133.25	37.593		
5,800.00	5,134.83	5,086.83	5,086.83	49.02	87.80	80.04	-2,506.81	5,386.67	4,997.55	4,861.64	135.91	36.771		
5,900.00	5,217.64	5,169.64	5,169.64	50.16	89.25	80.57	-2,506.81	5,386.67	4,986.22	4,847.65	138.56	35.985		
6,000.00	5,300.45	5,252.45	5,252.45	51.30	90.70	81.10	-2,506.81	5,386.67	4,975.50	4,834.28	141.22	35.232		
6,100.00	5,383.27	5,335.27	5,335.27	52.45	92.14	81.63	-2,506.81	5,386.67	4,965.38	4,821.51	143.88	34.512		
6,200.00	5,466.08	5,418.08	5,418.08	53.59	93.59	82.16	-2,506.81	5,386.67	4,955.88	4,809.35	146.53	33.821		
6,300.00	5,548.90	5,500.90	5,500.90	54.73	95.03	82.70	-2,506.81	5,386.67	4,947.00	4,797.82	149.19	33.160		
6,400.00	5,631.71	5,583.71	5,583.71	55.87	96.48	83.23	-2,506.81	5,386.67	4,938.74	4,786.90	151.84	32.526		
6,500.00	5,714.52	5,666.52	5,666.52	57.02	97.92	83.77	-2,506.81	5,386.67	4,931.10	4,776.61	154.49	31.919		
6,600.00	5,797.34	5,749.34	5,749.34	58.16	99.37	84.31	-2,506.81	5,386.67	4,924.09	4,766.95	157.14	31.336		
6,700.00	5,880.15	5,832.15	5,832.15	59.30	100.81	84.85	-2,506.81	5,386.67	4,917.70	4,757.92	159.79	30.777		
6,800.00	5,962.96	5,914.96	5,914.96	60.45	102.26	85.39	-2,506.81	5,386.67	4,911.95	4,749.52	162.43	30.240		
6,900.00	6,045.78	6,002.22	6,002.22	61.59	103.78	85.93	-2,506.81	5,386.67	4,906.83	4,741.68	165.15	29.712		
7,000.00	6,128.59	6,080.59	6,080.59	62.73	105.15	86.47	-2,506.81	5,386.67	4,902.35	4,734.64	167.71	29.232		
7,100.00	6,211.41	6,163.41	6,163.41	63.88	106.59	87.01	-2,506.81	5,386.67	4,898.50	4,728.16	170.34	28.757		
7,200.00	6,294.22	6,246.22	6,246.22	65.02	108.04	87.55	-2,506.81	5,386.67	4,895.29	4,722.33	172.97	28.302		
7,300.00	6,377.03	6,329.03	6,329.03	66.17	109.49	88.10	-2,506.81	5,386.67	4,892.73	4,717.14	175.59	27.865		
7,400.00	6,459.85	6,411.85	6,411.85	67.31	110.93	88.64	-2,506.81	5,386.67	4,890.80	4,712.60	178.20	27.445		
7,500.00	6,542.66	6,505.34	6,494.66	68.46	112.56	89.18	-2,506.81	5,386.67	4,889.52	4,708.52	181.00	27.014		
7,600.00	6,625.48	6,577.48	6,577.48	69.60	113.82	89.73	-2,506.81	5,386.67	4,888.88	4,705.46	183.42	26.654		
7,649.87	6,666.77	6,618.77	6,618.77	70.17	114.54	90.00	-2,506.81	5,386.67	4,888.80	4,704.08	184.71	26.467		
7,700.00	6,708.29	6,660.29	6,660.29	70.75	115.27	90.27	-2,506.81	5,386.67	4,888.88	4,702.86	186.01	26.282		
7,800.00	6,791.10	6,743.10	6,743.10	71.89	116.71	90.82	-2,506.81	5,386.67	4,889.52	4,700.92	188.60	25.925		
7,900.00	6,873.92	6,825.92	6,825.92	73.04	118.16	91.36	-2,506.81	5,386.67	4,890.81	4,699.62	191.19	25.581		
8,000.00	6,956.73	6,908.73	6,908.73	74.18	119.60	91.90	-2,506.81	5,386.67	4,892.73	4,698.97	193.76	25.252		
8,100.00	7,039.54	7,008.46	6,991.54	75.33	121.34	92.45	-2,506.81	5,386.67	4,895.30	4,698.68	196.62	24.897		
8,165.32	7,093.63	7,045.63	7,045.63	76.08	121.99	92.80	-2,506.81	5,386.67	4,897.33	4,699.33	198.00	24.735		
8,200.00	7,122.60	7,074.60	7,074.60	76.47	122.50	88.18	-2,506.81	5,386.67	4,897.55	4,698.66	198.88	24.626		
8,250.00	7,165.05	7,117.05	7,117.05	77.01	123.24	80.66	-2,506.81	5,386.67	4,894.59	4,694.44	200.15	24.455		
8,300.00	7,208.03	7,160.03	7,160.03	77.52	123.99	72.35	-2,506.81	5,386.67	4,887.77	4,686.38	201.40	24.270		
8,350.00	7,251.22	7,203.22	7,203.22	77.99	124.74	63.61	-2,506.81	5,386.67	4,877.11	4,674.50	202.61	24.071		
8,400.00	7,294.28	7,246.28	7,246.28	78.41	125.49	54.84	-2,506.81	5,386.67	4,862.68	4,658.89	203.78	23.862		
8,450.00	7,336.90	7,288.90	7,288.90	78.78	126.24	46.43	-2,506.81	5,386.67	4,844.54	4,639.63	204.90	23.643		
8,500.00	7,378.73	7,330.73	7,330.73	79.10	126.97	38.61	-2,506.81	5,386.67	4,822.82	4,616.85	205.97	23.416		
8,550.00	7,419.47	7,371.47	7,371.47	79.37	127.68	31.43	-2,506.81	5,386.67	4,797.65	4,590.69	206.96	23.182		
8,600.00	7,458.81	7,410.81	7,410.81	79.59	128.37	24.84	-2,506.81	5,386.67	4,769.21	4,561.33	207.88	22.942		
8,650.00	7,496.44	7,448.44	7,448.44	79.76	129.02	18.68	-2,506.81	5,386.67	4,737.70	4,528.98	208.72	22.699		
8,700.00	7,532.08	7,484.08	7,484.08	79.88	129.64	12.75	-2,506.81	5,386.67	4,703.34	4,493.86	209.48	22.453		
8,750.00	7,565.46	7,517.46	7,517.46	79.95	130.23	6.81	-2,506.81	5,386.67	4,666.38	4,456.23	210.15	22.205		
8,800.00	7,596.33	7,548.33	7,548.33	79.98	130.77	0.58	-2,506.81	5,386.67	4,627.10	4,416.36	210.73	21.957		
8,850.00	7,624.44	7,576.44	7,576.44	79.97	131.26	-6.28	-2,506.81	5,386.67	4,585.78	4,374.56	211.22	21.711		
8,900.00	7,649.59	7,601.59	7,601.59	79.93	131.70	-14.13	-2,506.81	5,386.67	4,542.76	4,331.14	211.62	21.467		
8,950.00	7,671.59	7,623.59	7,623.59	79.84	132.08	-23.38	-2,506.81	5,386.67	4,498.36	4,286.44	211.92	21.227		
9,000.00	7,690.26	7,642.26	7,642.26	79.73	132.41	-34.31	-2,506.81	5,386.67	4,452.93	4,240.80	212.13	20.992		
9,050.00	7,705.47	7,657.47	7,657.47	79.59	132.67	-46.79	-2,506.81	5,386.67	4,406.83	4,194.59	212.24	20.764		
9,100.00	7,717.09	7,669.09	7,669.09	79.43	132.87	-60.08	-2,506.81	5,386.67	4,360.44	4,148.19	212.25	20.544		
9,150.00	7,725.04	7,677.04	7,677.04	79.26	133.01	-72.90	-2,506.81	5,386.67	4,314.14	4,101.96	212.18	20.333		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN E UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,681.27	7,681.27	79.06	133.09	-84.10	-2,506.81	5,386.67	4,268.30	4,056.29	212.01	20.133		
9,231.13	7,730.00	7,682.00	7,682.00	78.93	133.10	-90.00	-2,506.81	5,386.67	4,240.16	4,028.30	211.86	20.014		
9,300.00	7,730.00	7,682.00	7,682.00	78.65	133.10	-90.00	-2,506.81	5,386.67	4,178.46	3,966.98	211.48	19.758		
9,400.00	7,730.00	7,682.00	7,682.00	78.26	133.10	-90.00	-2,506.81	5,386.67	4,089.28	3,878.36	210.91	19.388		
9,500.00	7,730.00	7,682.00	7,682.00	77.89	133.10	-90.00	-2,506.81	5,386.67	4,000.60	3,790.28	210.32	19.021		
9,600.00	7,730.00	7,682.00	7,682.00	77.53	133.10	-90.00	-2,506.81	5,386.67	3,912.47	3,702.77	209.71	18.657		
9,700.00	7,730.00	7,682.00	7,682.00	77.19	133.10	-90.00	-2,506.81	5,386.67	3,824.93	3,615.87	209.06	18.296		
9,800.00	7,730.00	7,682.00	7,682.00	76.88	133.10	-90.00	-2,506.81	5,386.67	3,738.01	3,529.63	208.39	17.938		
9,900.00	7,730.00	7,682.00	7,682.00	76.58	133.10	-90.00	-2,506.81	5,386.67	3,651.76	3,444.08	207.68	17.584		
10,000.00	7,730.00	7,682.00	7,682.00	76.30	133.10	-90.00	-2,506.81	5,386.67	3,566.23	3,359.29	206.94	17.233		
10,100.00	7,730.00	7,682.00	7,682.00	76.04	133.10	-90.00	-2,506.81	5,386.67	3,481.47	3,275.30	206.17	16.886		
10,200.00	7,730.00	7,682.00	7,682.00	75.79	133.10	-90.00	-2,506.81	5,386.67	3,397.54	3,192.18	205.37	16.544		
10,300.00	7,730.00	7,682.00	7,682.00	75.57	133.10	-90.00	-2,506.81	5,386.67	3,314.50	3,109.98	204.53	16.206		
10,400.00	7,730.00	7,682.00	7,682.00	75.36	133.10	-90.00	-2,506.81	5,386.67	3,232.43	3,028.78	203.65	15.873		
10,500.00	7,730.00	7,682.00	7,682.00	75.18	133.10	-90.00	-2,506.81	5,386.67	3,151.38	2,948.65	202.73	15.544		
10,600.00	7,730.00	7,682.00	7,682.00	75.01	133.10	-90.00	-2,506.81	5,386.67	3,071.46	2,869.68	201.78	15.222		
10,700.00	7,730.00	7,682.00	7,682.00	74.86	133.10	-90.00	-2,506.81	5,386.67	2,992.74	2,791.94	200.80	14.904		
10,800.00	7,730.00	7,682.00	7,682.00	74.74	133.10	-90.00	-2,506.81	5,386.67	2,915.33	2,715.55	199.78	14.593		
10,900.00	7,730.00	7,682.00	7,682.00	74.64	133.10	-90.00	-2,506.81	5,386.67	2,839.33	2,640.60	198.73	14.287		
11,000.00	7,730.00	7,682.00	7,682.00	74.56	133.10	-90.00	-2,506.81	5,386.67	2,764.86	2,567.20	197.65	13.989		
11,100.00	7,730.00	7,682.00	7,682.00	74.51	133.10	-90.00	-2,506.81	5,386.67	2,692.04	2,495.48	196.55	13.696		
11,200.00	7,730.00	7,682.00	7,682.00	74.48	133.10	-90.00	-2,506.81	5,386.67	2,621.01	2,425.57	195.44	13.411		
11,300.00	7,730.00	7,682.00	7,682.00	74.48	133.10	-90.00	-2,506.81	5,386.67	2,551.93	2,357.60	194.33	13.132		
11,400.00	7,730.00	7,682.00	7,682.00	74.50	133.10	-90.00	-2,506.81	5,386.67	2,484.95	2,291.72	193.23	12.860		
11,500.00	7,730.00	7,682.00	7,682.00	74.56	133.10	-90.00	-2,506.81	5,386.67	2,420.25	2,228.09	192.16	12.595		
11,600.00	7,730.00	7,682.00	7,682.00	74.66	133.10	-90.00	-2,506.81	5,386.67	2,358.02	2,166.87	191.15	12.336		
11,700.00	7,730.00	7,682.00	7,682.00	74.79	133.10	-90.00	-2,506.81	5,386.67	2,298.46	2,108.25	190.21	12.084		
11,800.00	7,730.00	7,682.00	7,682.00	74.96	133.10	-90.00	-2,506.81	5,386.67	2,241.77	2,052.38	189.39	11.837		
11,900.00	7,730.00	7,682.00	7,682.00	75.17	133.10	-90.00	-2,506.81	5,386.67	2,188.19	1,999.48	188.72	11.595		
12,000.00	7,730.00	7,682.00	7,682.00	75.43	133.10	-90.00	-2,506.81	5,386.67	2,137.95	1,949.72	188.23	11.358		
12,100.00	7,730.00	7,682.00	7,682.00	75.73	133.10	-90.00	-2,506.81	5,386.67	2,091.28	1,903.31	187.98	11.125		
12,200.00	7,730.00	7,682.00	7,682.00	76.09	133.10	-90.00	-2,506.81	5,386.67	2,048.44	1,860.45	187.99	10.897		
12,300.00	7,730.00	7,682.00	7,682.00	76.51	133.10	-90.00	-2,506.81	5,386.67	2,009.66	1,821.36	188.31	10.672		
12,400.00	7,730.00	7,682.00	7,682.00	76.97	133.10	-90.00	-2,506.81	5,386.67	1,975.19	1,786.24	188.96	10.453		
12,500.00	7,730.00	7,682.00	7,682.00	77.50	133.10	-90.00	-2,506.81	5,386.67	1,945.26	1,755.31	189.95	10.241		
12,600.00	7,730.00	7,682.00	7,682.00	78.09	133.10	-90.00	-2,506.81	5,386.67	1,920.07	1,728.78	191.29	10.037		
12,700.00	7,730.00	7,682.00	7,682.00	78.74	133.10	-90.00	-2,506.81	5,386.67	1,899.82	1,706.86	192.96	9.846		
12,800.00	7,730.00	7,682.00	7,682.00	79.45	133.10	-90.00	-2,506.81	5,386.67	1,884.66	1,689.74	194.93	9.669		
12,900.00	7,730.00	7,682.00	7,682.00	80.22	133.10	-90.00	-2,506.81	5,386.67	1,874.73	1,677.58	197.15	9.509		
13,000.00	7,730.00	7,682.00	7,682.00	81.05	133.10	-90.00	-2,506.81	5,386.67	1,870.09	1,670.52	199.57	9.371		
13,036.80	7,730.00	7,682.00	7,682.00	81.37	133.10	-90.00	-2,506.81	5,386.67	1,869.73	1,669.22	200.50	9.325 CC		
13,100.00	7,730.00	7,682.00	7,682.00	81.94	133.10	-90.00	-2,506.81	5,386.67	1,870.80	1,668.66	202.14	9.255 ES		
13,200.00	7,730.00	7,682.00	7,682.00	82.87	133.10	-90.00	-2,506.81	5,386.67	1,876.84	1,672.04	204.80	9.164		
13,300.00	7,730.00	7,682.00	7,682.00	83.86	133.10	-90.00	-2,506.81	5,386.67	1,888.16	1,680.67	207.49	9.100		
13,400.00	7,730.00	7,682.00	7,682.00	84.90	133.10	-90.00	-2,506.81	5,386.67	1,904.68	1,694.51	210.17	9.063		
13,500.00	7,730.00	7,682.00	7,682.00	85.97	133.10	-90.00	-2,506.81	5,386.67	1,926.25	1,713.46	212.79	9.052 SF		
13,600.00	7,730.00	7,682.00	7,682.00	87.09	133.10	-90.00	-2,506.81	5,386.67	1,952.71	1,737.40	215.31	9.069		
13,700.00	7,730.00	7,682.00	7,682.00	88.25	133.10	-90.00	-2,506.81	5,386.67	1,983.86	1,766.15	217.71	9.112		
13,800.00	7,730.00	7,682.00	7,682.00	89.44	133.10	-90.00	-2,506.81	5,386.67	2,019.50	1,799.52	219.97	9.181		
13,900.00	7,730.00	7,682.00	7,682.00	90.66	133.10	-90.00	-2,506.81	5,386.67	2,059.37	1,837.29	222.08	9.273		
14,000.00	7,730.00	7,682.00	7,682.00	91.92	133.10	-90.00	-2,506.81	5,386.67	2,103.25	1,879.22	224.03	9.388		
14,100.00	7,730.00	7,682.00	7,682.00	93.20	133.10	-90.00	-2,506.81	5,386.67	2,150.88	1,925.07	225.81	9.525		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 23-T1N-R68W - EXIST VERT HELEN E UNIT 1 - OWB - Design #1													<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-INC-ONLY													<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,682.00	7,682.00	94.50	133.10	-90.00	-2,506.81	5,386.67	2,202.03	1,974.59	227.44	9.682		
14,300.00	7,730.00	7,682.00	7,682.00	95.83	133.10	-90.00	-2,506.81	5,386.67	2,256.45	2,027.54	228.91	9.857		
14,400.00	7,730.00	7,682.00	7,682.00	97.17	133.10	-90.00	-2,506.81	5,386.67	2,313.92	2,083.67	230.24	10.050		
14,500.00	7,730.00	7,682.00	7,682.00	98.54	133.10	-90.00	-2,506.81	5,386.67	2,374.20	2,142.77	231.43	10.259		
14,600.00	7,730.00	7,682.00	7,682.00	99.92	133.10	-90.00	-2,506.81	5,386.67	2,437.11	2,204.61	232.50	10.482		
14,700.00	7,730.00	7,682.00	7,682.00	101.32	133.10	-90.00	-2,506.81	5,386.67	2,502.42	2,268.98	233.45	10.719		
14,800.00	7,730.00	7,682.00	7,682.00	102.74	133.10	-90.00	-2,506.81	5,386.67	2,569.97	2,335.68	234.29	10.969		
14,900.00	7,730.00	7,682.00	7,682.00	104.17	133.10	-90.00	-2,506.81	5,386.67	2,639.58	2,404.55	235.04	11.230		
15,000.00	7,730.00	7,682.00	7,682.00	105.62	133.10	-90.00	-2,506.81	5,386.67	2,711.10	2,475.40	235.70	11.502		
15,100.00	7,730.00	7,682.00	7,682.00	107.07	133.10	-90.00	-2,506.81	5,386.67	2,784.36	2,548.08	236.28	11.784		
15,200.00	7,730.00	7,682.00	7,682.00	108.54	133.10	-90.00	-2,506.81	5,386.67	2,859.25	2,622.46	236.79	12.075		
15,300.00	7,730.00	7,682.00	7,682.00	110.02	133.10	-90.00	-2,506.81	5,386.67	2,935.64	2,698.39	237.24	12.374		
15,400.00	7,730.00	7,682.00	7,682.00	111.51	133.10	-90.00	-2,506.81	5,386.67	3,013.40	2,775.77	237.64	12.681		
15,500.00	7,730.00	7,682.00	7,682.00	113.01	133.10	-90.00	-2,506.81	5,386.67	3,092.45	2,854.47	237.98	12.994		
15,600.00	7,730.00	7,682.00	7,682.00	114.52	133.10	-90.00	-2,506.81	5,386.67	3,172.68	2,934.40	238.28	13.315		
15,700.00	7,730.00	7,682.00	7,682.00	116.04	133.10	-90.00	-2,506.81	5,386.67	3,254.00	3,015.46	238.54	13.641		
15,800.00	7,730.00	7,682.00	7,682.00	117.56	133.10	-90.00	-2,506.81	5,386.67	3,336.34	3,097.57	238.77	13.973		
15,900.00	7,730.00	7,682.00	7,682.00	119.09	133.10	-90.00	-2,506.81	5,386.67	3,419.62	3,180.66	238.96	14.310		
16,000.00	7,730.00	7,682.00	7,682.00	120.63	133.10	-90.00	-2,506.81	5,386.67	3,503.78	3,264.65	239.13	14.652		
16,100.00	7,730.00	7,682.00	7,682.00	122.18	133.10	-90.00	-2,506.81	5,386.67	3,588.75	3,349.47	239.27	14.999		
16,200.00	7,730.00	7,682.00	7,682.00	123.73	133.10	-90.00	-2,506.81	5,386.67	3,674.47	3,435.08	239.39	15.349		
16,300.00	7,730.00	7,682.00	7,682.00	125.29	133.10	-90.00	-2,506.81	5,386.67	3,760.90	3,521.41	239.50	15.703		
16,400.00	7,730.00	7,682.00	7,682.00	126.86	133.10	-90.00	-2,506.81	5,386.67	3,847.99	3,608.41	239.58	16.061		
16,500.00	7,730.00	7,682.00	7,682.00	128.43	133.10	-90.00	-2,506.81	5,386.67	3,935.69	3,696.04	239.65	16.423		
16,600.00	7,730.00	7,682.00	7,682.00	130.01	133.10	-90.00	-2,506.81	5,386.67	4,023.97	3,784.26	239.71	16.787		
16,700.00	7,730.00	7,682.00	7,682.00	131.59	133.10	-90.00	-2,506.81	5,386.67	4,112.78	3,873.03	239.75	17.154		
16,800.00	7,730.00	7,682.00	7,682.00	133.18	133.10	-90.00	-2,506.81	5,386.67	4,202.09	3,962.31	239.79	17.524		
16,900.00	7,730.00	7,682.00	7,682.00	134.77	133.10	-90.00	-2,506.81	5,386.67	4,291.88	4,052.07	239.81	17.897		
17,000.00	7,730.00	7,682.00	7,682.00	136.37	133.10	-90.00	-2,506.81	5,386.67	4,382.11	4,142.28	239.83	18.272		
17,100.00	7,730.00	7,682.00	7,682.00	137.97	133.10	-90.00	-2,506.81	5,386.67	4,472.75	4,232.91	239.84	18.649		
17,200.00	7,730.00	7,682.00	7,682.00	139.57	133.10	-90.00	-2,506.81	5,386.67	4,563.79	4,323.94	239.84	19.028		
17,300.00	7,730.00	7,682.00	7,682.00	141.18	133.10	-90.00	-2,506.81	5,386.67	4,655.19	4,415.34	239.84	19.409		
17,400.00	7,730.00	7,682.00	7,682.00	142.79	133.10	-90.00	-2,506.81	5,386.67	4,746.94	4,507.10	239.84	19.792		
17,500.00	7,730.00	7,682.00	7,682.00	144.41	133.10	-90.00	-2,506.81	5,386.67	4,839.01	4,599.19	239.83	20.177		
17,600.00	7,730.00	7,682.00	7,682.00	146.03	133.10	-90.00	-2,506.81	5,386.67	4,931.40	4,691.58	239.82	20.563		
17,700.00	7,730.00	7,682.00	7,682.00	147.65	133.10	-90.00	-2,506.81	5,386.67	5,024.08	4,784.28	239.80	20.951		
17,800.00	7,730.00	7,682.00	7,682.00	149.28	133.10	-90.00	-2,506.81	5,386.67	5,117.03	4,877.25	239.78	21.341		
17,900.00	7,730.00	7,682.00	7,682.00	150.91	133.10	-90.00	-2,506.81	5,386.67	5,210.24	4,970.48	239.76	21.731		
18,000.00	7,730.00	7,682.00	7,682.00	152.54	133.10	-90.00	-2,506.81	5,386.67	5,303.70	5,063.97	239.73	22.123		
18,100.00	7,730.00	7,682.00	7,682.00	154.18	133.10	-90.00	-2,506.81	5,386.67	5,397.40	5,157.69	239.71	22.516		
18,200.00	7,730.00	7,682.00	7,682.00	155.82	133.10	-90.00	-2,506.81	5,386.67	5,491.32	5,251.63	239.68	22.911		
18,300.00	7,730.00	7,682.00	7,682.00	157.46	133.10	-90.00	-2,506.81	5,386.67	5,585.44	5,345.79	239.66	23.306		
18,400.00	7,730.00	7,682.00	7,682.00	159.11	133.10	-90.00	-2,506.81	5,386.67	5,679.77	5,440.15	239.63	23.703		
18,500.00	7,730.00	7,682.00	7,682.00	160.75	133.10	-90.00	-2,506.81	5,386.67	5,774.29	5,534.70	239.60	24.100		
18,600.00	7,730.00	7,682.00	7,682.00	162.40	133.10	-90.00	-2,506.81	5,386.67	5,869.00	5,629.43	239.57	24.498		
18,700.00	7,730.00	7,682.00	7,682.00	164.05	133.10	-90.00	-2,506.81	5,386.67	5,963.87	5,724.33	239.54	24.897		
18,800.00	7,730.00	7,682.00	7,682.00	165.71	133.10	-90.00	-2,506.81	5,386.67	6,058.91	5,819.40	239.51	25.297		
18,900.00	7,730.00	7,682.00	7,682.00	167.36	133.10	-90.00	-2,506.81	5,386.67	6,154.11	5,914.63	239.48	25.698		
18,942.39	7,730.00	7,682.00	7,682.00	168.07	133.10	-90.00	-2,506.81	5,386.67	6,194.51	5,955.04	239.47	25.868		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	143.58	-4,237.57	3,127.04	5,266.50					
100.00	100.00	74.00	74.00	0.13	0.61	143.58	-4,237.57	3,127.04	5,266.44	5,265.69	0.75	7,041.534		
200.00	200.00	174.00	174.00	0.49	2.12	143.58	-4,237.57	3,127.04	5,266.44	5,263.83	2.61	2,015.111		
300.00	300.00	274.00	274.00	0.85	3.87	143.58	-4,237.57	3,127.04	5,266.44	5,261.72	4.72	1,116.416		
400.00	400.00	374.00	374.00	1.21	5.61	143.58	-4,237.57	3,127.04	5,266.44	5,259.62	6.82	772.083		
500.00	500.00	474.00	474.00	1.57	7.36	143.58	-4,237.57	3,127.04	5,266.44	5,257.52	8.92	590.085		
600.00	600.00	574.00	574.00	1.93	9.10	143.58	-4,237.57	3,127.04	5,266.44	5,255.41	11.03	477.522		
700.00	700.00	674.00	674.00	2.29	10.85	143.58	-4,237.57	3,127.04	5,266.44	5,253.31	13.13	401.024		
800.00	800.00	774.00	774.00	2.64	12.59	143.58	-4,237.57	3,127.04	5,266.44	5,251.20	15.24	345.651		
900.00	899.98	873.98	873.98	3.00	14.34	84.01	-4,237.57	3,127.04	5,266.26	5,248.92	17.34	303.782		
1,000.00	999.84	973.84	973.84	3.35	16.08	84.08	-4,237.57	3,127.04	5,265.71	5,246.28	19.43	270.989		
1,100.00	1,099.45	1,073.45	1,073.45	3.71	17.82	84.19	-4,237.57	3,127.04	5,264.82	5,243.29	21.53	244.544		
1,200.00	1,198.70	1,172.70	1,172.70	4.08	19.55	84.35	-4,237.57	3,127.04	5,263.59	5,239.96	23.63	222.744		
1,300.00	1,297.47	1,271.47	1,271.47	4.47	21.27	84.54	-4,237.57	3,127.04	5,262.06	5,236.32	25.74	204.438		
1,400.00	1,395.62	1,369.62	1,369.62	4.87	22.99	84.78	-4,237.57	3,127.04	5,260.25	5,232.39	27.86	188.824		
1,500.00	1,493.06	1,467.06	1,467.06	5.31	24.69	85.06	-4,237.57	3,127.04	5,258.21	5,228.22	29.99	175.326		
1,600.00	1,589.64	1,563.64	1,563.64	5.77	26.37	85.38	-4,237.57	3,127.04	5,255.98	5,223.83	32.14	163.522		
1,700.00	1,685.27	1,659.27	1,659.27	6.28	28.04	85.73	-4,237.57	3,127.04	5,253.61	5,219.29	34.32	153.097		
1,800.00	1,779.82	1,753.82	1,753.82	6.83	29.69	86.11	-4,237.57	3,127.04	5,251.16	5,214.64	36.51	143.811		
1,900.00	1,873.17	1,847.17	1,847.17	7.43	31.32	86.53	-4,237.57	3,127.04	5,248.70	5,209.95	38.74	135.480		
2,000.00	1,965.21	1,939.21	1,939.21	8.08	32.93	86.97	-4,237.57	3,127.04	5,246.29	5,205.29	41.00	127.958		
2,100.00	2,055.84	2,029.84	2,029.84	8.79	34.51	87.43	-4,237.57	3,127.04	5,244.01	5,200.72	43.29	121.132		
2,200.00	2,144.94	2,118.94	2,118.94	9.56	36.07	87.91	-4,237.57	3,127.04	5,241.94	5,196.32	45.62	114.909		
2,300.00	2,232.39	2,206.39	2,206.39	10.39	37.59	88.41	-4,237.57	3,127.04	5,240.17	5,192.19	47.98	109.215		
2,400.00	2,318.11	2,307.89	2,292.11	11.30	39.36	88.92	-4,237.57	3,127.04	5,238.77	5,188.12	50.65	103.422		
2,504.60	2,405.78	2,379.78	2,379.78	12.31	40.62	89.46	-4,237.57	3,127.04	5,237.82	5,184.89	52.93	98.964		
2,600.00	2,484.79	2,458.79	2,458.79	13.28	42.00	89.95	-4,237.57	3,127.04	5,237.48	5,182.21	55.28	94.748		
2,610.18	2,493.22	2,467.22	2,467.22	13.39	42.14	90.00	-4,237.57	3,127.04	5,237.48	5,181.95	55.53	94.317		
2,700.00	2,567.60	2,541.60	2,541.60	14.32	43.44	90.46	-4,237.57	3,127.04	5,237.72	5,179.96	57.76	90.678		
2,800.00	2,650.41	2,624.41	2,624.41	15.37	44.89	90.96	-4,237.57	3,127.04	5,238.56	5,178.30	60.26	86.932		
2,900.00	2,733.23	2,707.23	2,707.23	16.44	46.33	91.47	-4,237.57	3,127.04	5,240.00	5,177.23	62.77	83.478		
3,000.00	2,816.04	2,809.96	2,790.04	17.52	48.13	91.98	-4,237.57	3,127.04	5,242.04	5,176.40	65.64	79.862		
3,100.00	2,898.85	2,872.85	2,872.85	18.60	49.22	92.49	-4,237.57	3,127.04	5,244.67	5,176.86	67.82	77.336		
3,200.00	2,981.67	2,955.67	2,955.67	19.69	50.67	92.99	-4,237.57	3,127.04	5,247.91	5,177.56	70.35	74.599		
3,300.00	3,064.48	3,038.48	3,038.48	20.79	52.12	93.50	-4,237.57	3,127.04	5,251.73	5,178.85	72.88	72.057		
3,400.00	3,147.30	3,121.30	3,121.30	21.90	53.56	94.00	-4,237.57	3,127.04	5,256.16	5,180.74	75.42	69.692		
3,500.00	3,230.11	3,204.11	3,204.11	23.00	55.01	94.51	-4,237.57	3,127.04	5,261.18	5,183.22	77.96	67.487		
3,600.00	3,312.92	3,286.92	3,286.92	24.12	56.45	95.01	-4,237.57	3,127.04	5,266.79	5,186.29	80.50	65.429		
3,700.00	3,395.74	3,369.74	3,369.74	25.23	57.90	95.52	-4,237.57	3,127.04	5,272.98	5,189.95	83.03	63.504		
3,800.00	3,478.55	3,452.55	3,452.55	26.35	59.34	96.02	-4,237.57	3,127.04	5,279.77	5,194.20	85.57	61.700		
3,900.00	3,561.36	3,535.36	3,535.36	27.47	60.79	96.52	-4,237.57	3,127.04	5,287.14	5,199.04	88.11	60.009		
4,000.00	3,644.18	3,618.18	3,618.18	28.59	62.23	97.02	-4,237.57	3,127.04	5,295.10	5,204.46	90.64	58.420		
4,100.00	3,726.99	3,700.99	3,700.99	29.72	63.68	97.52	-4,237.57	3,127.04	5,303.64	5,210.47	93.17	56.926		
4,200.00	3,809.81	3,783.81	3,783.81	30.85	65.12	98.02	-4,237.57	3,127.04	5,312.75	5,217.06	95.69	55.519		
4,300.00	3,892.62	3,866.62	3,866.62	31.98	66.57	98.52	-4,237.57	3,127.04	5,322.44	5,224.22	98.21	54.192		
4,400.00	3,975.43	3,949.43	3,949.43	33.11	68.01	99.01	-4,237.57	3,127.04	5,332.70	5,231.97	100.73	52.939		
4,500.00	4,058.25	4,032.25	4,032.25	34.24	69.46	99.51	-4,237.57	3,127.04	5,343.53	5,240.28	103.24	51.756		
4,600.00	4,141.06	4,115.06	4,115.06	35.37	70.91	100.00	-4,237.57	3,127.04	5,354.92	5,249.17	105.75	50.636		
4,700.00	4,223.87	4,202.13	4,197.87	36.50	72.42	100.49	-4,237.57	3,127.04	5,366.88	5,258.55	108.33	49.543		
4,800.00	4,306.69	4,280.69	4,280.69	37.64	73.80	100.98	-4,237.57	3,127.04	5,379.39	5,268.64	110.75	48.572		
4,900.00	4,389.50	4,363.50	4,363.50	38.77	75.24	101.47	-4,237.57	3,127.04	5,392.46	5,279.21	113.24	47.619		
5,000.00	4,472.32	4,446.32	4,446.32	39.91	76.69	101.96	-4,237.57	3,127.04	5,406.07	5,290.35	115.73	46.715		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,529.13	4,529.13	41.05	78.13	102.44	-4,237.57	3,127.04	5,420.23	5,302.03	118.20	45.855		
5,200.00	4,637.94	4,611.94	4,611.94	42.18	79.58	102.93	-4,237.57	3,127.04	5,434.93	5,314.26	120.67	45.038		
5,300.00	4,720.76	4,705.24	4,694.76	43.32	81.21	103.41	-4,237.57	3,127.04	5,450.17	5,326.85	123.32	44.195		
5,400.00	4,803.57	4,777.57	4,777.57	44.46	82.47	103.89	-4,237.57	3,127.04	5,465.94	5,340.35	125.59	43.520		
5,500.00	4,886.39	4,860.39	4,860.39	45.60	83.91	104.37	-4,237.57	3,127.04	5,482.24	5,354.20	128.04	42.815		
5,600.00	4,969.20	4,943.20	4,943.20	46.74	85.36	104.84	-4,237.57	3,127.04	5,499.07	5,368.58	130.49	42.143		
5,700.00	5,052.01	5,026.01	5,026.01	47.88	86.80	105.31	-4,237.57	3,127.04	5,516.41	5,383.49	132.92	41.502		
5,800.00	5,134.83	5,050.00	5,050.00	49.02	87.22	105.45	-4,237.57	3,127.04	5,534.57	5,400.28	134.29	41.213		
5,900.00	5,217.64	5,050.00	5,050.00	50.16	87.22	105.45	-4,237.57	3,127.04	5,554.43	5,419.23	135.20	41.083		
6,000.00	5,300.45	5,050.00	5,050.00	51.30	87.22	105.45	-4,237.57	3,127.04	5,576.01	5,439.94	136.07	40.979		
6,100.00	5,383.27	5,050.00	5,050.00	52.45	87.22	105.45	-4,237.57	3,127.04	5,599.29	5,462.39	136.90	40.900		
6,200.00	5,466.08	5,050.00	5,050.00	53.59	87.22	105.45	-4,237.57	3,127.04	5,624.25	5,486.56	137.69	40.846		
6,300.00	5,548.90	5,050.00	5,050.00	54.73	87.22	105.45	-4,237.57	3,127.04	5,650.88	5,512.43	138.45	40.816		
6,400.00	5,631.71	5,050.00	5,050.00	55.87	87.22	105.45	-4,237.57	3,127.04	5,679.14	5,539.97	139.16	40.809		
6,500.00	5,714.52	5,050.00	5,050.00	57.02	87.22	105.45	-4,237.57	3,127.04	5,709.01	5,569.17	139.84	40.825		
6,600.00	5,797.34	5,050.00	5,050.00	58.16	87.22	105.45	-4,237.57	3,127.04	5,740.47	5,599.99	140.48	40.863		
6,700.00	5,880.15	5,050.00	5,050.00	59.30	87.22	105.45	-4,237.57	3,127.04	5,773.49	5,632.40	141.09	40.922		
6,800.00	5,962.96	5,050.00	5,050.00	60.45	87.22	105.45	-4,237.57	3,127.04	5,808.04	5,666.39	141.65	41.001		
6,900.00	6,045.78	5,050.00	5,050.00	61.59	87.22	105.45	-4,237.57	3,127.04	5,844.10	5,701.91	142.19	41.101		
7,000.00	6,128.59	5,050.00	5,050.00	62.73	87.22	105.45	-4,237.57	3,127.04	5,881.64	5,738.95	142.69	41.220		
7,100.00	6,211.41	5,050.00	5,050.00	63.88	87.22	105.45	-4,237.57	3,127.04	5,920.63	5,777.48	143.15	41.358		
7,200.00	6,294.22	5,050.00	5,050.00	65.02	87.22	105.45	-4,237.57	3,127.04	5,961.05	5,817.46	143.59	41.515		
7,300.00	6,377.03	5,050.00	5,050.00	66.17	87.22	105.45	-4,237.57	3,127.04	6,002.85	5,858.86	143.99	41.689		
7,400.00	6,459.85	5,050.00	5,050.00	67.31	87.22	105.45	-4,237.57	3,127.04	6,046.03	5,901.66	144.37	41.880		
7,500.00	6,542.66	5,050.00	5,050.00	68.46	87.22	105.45	-4,237.57	3,127.04	6,090.54	5,945.83	144.71	42.088		
7,600.00	6,625.48	5,050.00	5,050.00	69.60	87.22	105.45	-4,237.57	3,127.04	6,136.35	5,991.33	145.02	42.312		
7,700.00	6,708.29	5,050.00	5,050.00	70.75	87.22	105.45	-4,237.57	3,127.04	6,183.44	6,038.13	145.31	42.552		
7,800.00	6,791.10	5,050.00	5,050.00	71.89	87.22	105.45	-4,237.57	3,127.04	6,231.79	6,086.21	145.58	42.808		
7,900.00	6,873.92	5,050.00	5,050.00	73.04	87.22	105.45	-4,237.57	3,127.04	6,281.35	6,135.54	145.81	43.078		
8,000.00	6,956.73	5,050.00	5,050.00	74.18	87.22	105.45	-4,237.57	3,127.04	6,332.10	6,186.08	146.03	43.362		
8,100.00	7,039.54	5,050.00	5,050.00	75.33	87.22	105.45	-4,237.57	3,127.04	6,384.02	6,237.80	146.22	43.660		
8,165.32	7,093.63	5,050.00	5,050.00	76.08	87.22	105.45	-4,237.57	3,127.04	6,418.55	6,272.21	146.33	43.862		
8,200.00	7,122.60	5,050.00	5,050.00	76.47	87.22	101.00	-4,237.57	3,127.04	6,436.19	6,289.80	146.39	43.967		
8,250.00	7,165.05	5,050.00	5,050.00	77.01	87.22	93.78	-4,237.57	3,127.04	6,458.69	6,312.24	146.45	44.101		
8,300.00	7,208.03	5,050.00	5,050.00	77.52	87.22	85.83	-4,237.57	3,127.04	6,477.60	6,331.09	146.50	44.215		
8,350.00	7,251.22	5,050.00	5,050.00	77.99	87.22	77.53	-4,237.57	3,127.04	6,492.80	6,346.27	146.53	44.309		
8,400.00	7,294.28	5,050.00	5,050.00	78.41	87.22	69.32	-4,237.57	3,127.04	6,504.22	6,357.68	146.54	44.385		
8,450.00	7,336.90	5,050.00	5,050.00	78.78	87.22	61.60	-4,237.57	3,127.04	6,511.77	6,365.25	146.52	44.443		
8,500.00	7,378.73	5,050.00	5,050.00	79.10	87.22	54.63	-4,237.57	3,127.04	6,515.43	6,368.96	146.47	44.483		
8,550.00	7,419.47	5,050.00	5,050.00	79.37	87.22	48.51	-4,237.57	3,127.04	6,515.16	6,368.76	146.39	44.505		
8,600.00	7,458.81	5,050.00	5,050.00	79.59	87.22	43.24	-4,237.57	3,127.04	6,510.96	6,364.68	146.29	44.509		
8,650.00	7,496.44	5,050.00	5,050.00	79.76	87.22	38.73	-4,237.57	3,127.04	6,502.88	6,356.72	146.15	44.494		
8,700.00	7,532.08	5,050.00	5,050.00	79.88	87.22	34.88	-4,237.57	3,127.04	6,490.94	6,344.95	145.99	44.462		
8,750.00	7,565.46	5,050.00	5,050.00	79.95	87.22	31.57	-4,237.57	3,127.04	6,475.22	6,329.41	145.80	44.411		
8,800.00	7,596.33	5,050.00	5,050.00	79.98	87.22	28.70	-4,237.57	3,127.04	6,455.81	6,310.21	145.59	44.341		
8,850.00	7,624.44	5,050.00	5,050.00	79.97	87.22	26.17	-4,237.57	3,127.04	6,432.83	6,287.46	145.37	44.252		
8,900.00	7,649.59	5,050.00	5,050.00	79.93	87.22	23.90	-4,237.57	3,127.04	6,406.41	6,261.28	145.12	44.144		
8,950.00	7,671.59	5,050.00	5,050.00	79.84	87.22	21.80	-4,237.57	3,127.04	6,376.72	6,231.85	144.87	44.017		
9,000.00	7,690.26	5,050.00	5,050.00	79.73	87.22	19.80	-4,237.57	3,127.04	6,343.93	6,199.32	144.61	43.870		
9,050.00	7,705.47	5,050.00	5,050.00	79.59	87.22	17.79	-4,237.57	3,127.04	6,308.25	6,163.91	144.34	43.703		
9,100.00	7,717.09	5,050.00	5,050.00	79.43	87.22	15.68	-4,237.57	3,127.04	6,269.91	6,125.83	144.08	43.517		
9,150.00	7,725.04	5,050.00	5,050.00	79.26	87.22	13.31	-4,237.57	3,127.04	6,229.15	6,085.32	143.82	43.312		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	5,050.00	5,050.00	79.06	87.22	10.43	-4,237.57	3,127.04	6,186.23	6,042.65	143.57	43.087		
9,231.13	7,730.00	5,050.00	5,050.00	78.93	87.22	8.23	-4,237.57	3,127.04	6,158.54	6,015.11	143.43	42.938		
9,300.00	7,730.00	5,050.00	5,050.00	78.65	87.22	8.23	-4,237.57	3,127.04	6,096.62	5,953.51	143.11	42.602		
9,400.00	7,730.00	5,050.00	5,050.00	78.26	87.22	8.23	-4,237.57	3,127.04	6,006.97	5,864.35	142.62	42.118		
9,500.00	7,730.00	5,050.00	5,050.00	77.89	87.22	8.23	-4,237.57	3,127.04	5,917.66	5,775.54	142.12	41.639		
9,600.00	7,730.00	5,050.00	5,050.00	77.53	87.22	8.23	-4,237.57	3,127.04	5,828.69	5,687.09	141.60	41.164		
9,700.00	7,730.00	5,050.00	5,050.00	77.19	87.22	8.23	-4,237.57	3,127.04	5,740.09	5,599.03	141.06	40.693		
9,800.00	7,730.00	5,050.00	5,050.00	76.88	87.22	8.23	-4,237.57	3,127.04	5,651.86	5,511.36	140.50	40.227		
9,900.00	7,730.00	5,050.00	5,050.00	76.58	87.22	8.23	-4,237.57	3,127.04	5,564.04	5,424.12	139.92	39.766		
10,000.00	7,730.00	5,050.00	5,050.00	76.30	87.22	8.23	-4,237.57	3,127.04	5,476.63	5,337.32	139.32	39.311		
10,100.00	7,730.00	5,050.00	5,050.00	76.04	87.22	8.23	-4,237.57	3,127.04	5,389.66	5,250.97	138.69	38.861		
10,200.00	7,730.00	5,050.00	5,050.00	75.79	87.22	8.23	-4,237.57	3,127.04	5,303.15	5,165.11	138.04	38.418		
10,300.00	7,730.00	5,050.00	5,050.00	75.57	87.22	8.23	-4,237.57	3,127.04	5,217.12	5,079.76	137.36	37.981		
10,400.00	7,730.00	5,050.00	5,050.00	75.36	87.22	8.23	-4,237.57	3,127.04	5,131.60	4,994.94	136.66	37.550		
10,500.00	7,730.00	5,050.00	5,050.00	75.18	87.22	8.23	-4,237.57	3,127.04	5,046.61	4,910.68	135.93	37.126		
10,600.00	7,730.00	5,050.00	5,050.00	75.01	87.22	8.23	-4,237.57	3,127.04	4,962.19	4,827.01	135.17	36.710		
10,700.00	7,730.00	5,050.00	5,050.00	74.86	87.22	8.23	-4,237.57	3,127.04	4,878.35	4,743.96	134.38	36.302		
10,800.00	7,730.00	5,050.00	5,050.00	74.74	87.22	8.23	-4,237.57	3,127.04	4,795.12	4,661.56	133.56	35.902		
10,900.00	7,730.00	5,050.00	5,050.00	74.64	87.22	8.23	-4,237.57	3,127.04	4,712.56	4,579.85	132.71	35.511		
11,000.00	7,730.00	5,050.00	5,050.00	74.56	87.22	8.23	-4,237.57	3,127.04	4,630.67	4,498.86	131.82	35.130		
11,100.00	7,730.00	5,050.00	5,050.00	74.51	87.22	8.23	-4,237.57	3,127.04	4,549.52	4,418.63	130.89	34.758		
11,200.00	7,730.00	5,050.00	5,050.00	74.48	87.22	8.23	-4,237.57	3,127.04	4,469.12	4,339.20	129.93	34.397		
11,300.00	7,730.00	5,050.00	5,050.00	74.48	87.22	8.23	-4,237.57	3,127.04	4,389.54	4,260.61	128.92	34.048		
11,400.00	7,730.00	5,050.00	5,050.00	74.50	87.22	8.23	-4,237.57	3,127.04	4,310.80	4,182.92	127.88	33.710		
11,500.00	7,730.00	5,050.00	5,050.00	74.56	87.22	8.23	-4,237.57	3,127.04	4,232.96	4,106.17	126.80	33.384		
11,600.00	7,730.00	5,050.00	5,050.00	74.66	87.22	8.23	-4,237.57	3,127.04	4,156.07	4,030.41	125.67	33.072		
11,700.00	7,730.00	5,050.00	5,050.00	74.79	87.22	8.23	-4,237.57	3,127.04	4,080.18	3,955.69	124.49	32.774		
11,800.00	7,730.00	5,050.00	5,050.00	74.96	87.22	8.23	-4,237.57	3,127.04	4,005.35	3,882.08	123.27	32.492		
11,900.00	7,730.00	5,050.00	5,050.00	75.17	87.22	8.23	-4,237.57	3,127.04	3,931.65	3,809.64	122.01	32.225		
12,000.00	7,730.00	5,050.00	5,050.00	75.43	87.22	8.23	-4,237.57	3,127.04	3,859.12	3,738.43	120.69	31.975		
12,100.00	7,730.00	5,050.00	5,050.00	75.73	87.22	8.23	-4,237.57	3,127.04	3,787.84	3,668.52	119.33	31.743		
12,200.00	7,730.00	5,050.00	5,050.00	76.09	87.22	8.23	-4,237.57	3,127.04	3,717.89	3,599.98	117.92	31.530		
12,300.00	7,730.00	5,050.00	5,050.00	76.51	87.22	8.23	-4,237.57	3,127.04	3,649.34	3,532.89	116.46	31.337		
12,400.00	7,730.00	5,050.00	5,050.00	76.97	87.22	8.23	-4,237.57	3,127.04	3,582.27	3,467.33	114.95	31.165		
12,500.00	7,730.00	5,050.00	5,050.00	77.50	87.22	8.23	-4,237.57	3,127.04	3,516.76	3,403.38	113.39	31.016		
12,600.00	7,730.00	5,050.00	5,050.00	78.09	87.22	8.23	-4,237.57	3,127.04	3,452.91	3,341.13	111.78	30.890		
12,700.00	7,730.00	5,050.00	5,050.00	78.74	87.22	8.23	-4,237.57	3,127.04	3,390.80	3,280.67	110.13	30.789		
12,800.00	7,730.00	5,050.00	5,050.00	79.45	87.22	8.23	-4,237.57	3,127.04	3,330.54	3,222.10	108.44	30.713		
12,900.00	7,730.00	5,050.00	5,050.00	80.22	87.22	8.23	-4,237.57	3,127.04	3,272.23	3,165.52	106.71	30.665		
13,000.00	7,730.00	5,050.00	5,050.00	81.05	87.22	8.23	-4,237.57	3,127.04	3,215.97	3,111.03	104.94	30.645		
13,100.00	7,730.00	5,050.00	5,050.00	81.94	87.22	8.23	-4,237.57	3,127.04	3,161.87	3,058.72	103.15	30.654		
13,200.00	7,730.00	5,050.00	5,050.00	82.87	87.22	8.23	-4,237.57	3,127.04	3,110.05	3,008.72	101.33	30.692		
13,300.00	7,730.00	5,050.00	5,050.00	83.86	87.22	8.23	-4,237.57	3,127.04	3,060.61	2,961.12	99.50	30.761		
13,400.00	7,730.00	5,050.00	5,050.00	84.90	87.22	8.23	-4,237.57	3,127.04	3,013.69	2,916.03	97.65	30.861		
13,500.00	7,730.00	5,050.00	5,050.00	85.97	87.22	8.23	-4,237.57	3,127.04	2,969.39	2,873.57	95.82	30.990		
13,600.00	7,730.00	5,050.00	5,050.00	87.09	87.22	8.23	-4,237.57	3,127.04	2,927.84	2,833.84	94.00	31.149		
13,700.00	7,730.00	5,050.00	5,050.00	88.25	87.22	8.23	-4,237.57	3,127.04	2,889.15	2,796.95	92.20	31.335		
13,800.00	7,730.00	5,050.00	5,050.00	89.44	87.22	8.23	-4,237.57	3,127.04	2,853.45	2,762.99	90.46	31.544		
13,900.00	7,730.00	5,050.00	5,050.00	90.66	87.22	8.23	-4,237.57	3,127.04	2,820.84	2,732.06	88.78	31.772		
14,000.00	7,730.00	5,050.00	5,050.00	91.92	87.22	8.23	-4,237.57	3,127.04	2,791.43	2,704.23	87.20	32.012		
14,100.00	7,730.00	5,050.00	5,050.00	93.20	87.22	8.23	-4,237.57	3,127.04	2,765.33	2,679.59	85.74	32.252		
14,200.00	7,730.00	5,050.00	5,050.00	94.50	87.22	8.23	-4,237.57	3,127.04	2,742.63	2,658.19	84.45	32.478		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	5,050.00	5,050.00	95.83	87.22	8.23	-4,237.57	3,127.04	2,723.42	2,640.05	83.36	32.670		
14,400.00	7,730.00	5,050.00	5,050.00	97.17	87.22	8.23	-4,237.57	3,127.04	2,707.76	2,625.21	82.55	32.801		
14,500.00	7,730.00	5,050.00	5,050.00	98.54	87.22	8.23	-4,237.57	3,127.04	2,695.72	2,613.64	82.08	32.843		
14,600.00	7,730.00	5,050.00	5,050.00	99.92	87.22	8.23	-4,237.57	3,127.04	2,687.36	2,605.34	82.02	32.764		
14,700.00	7,730.00	5,050.00	5,050.00	101.32	87.22	8.23	-4,237.57	3,127.04	2,682.70	2,600.26	82.44	32.541		
14,775.17	7,730.00	5,050.00	5,050.00	102.39	87.22	8.23	-4,237.57	3,127.04	2,681.64	2,598.55	83.10	32.272 CC		
14,800.00	7,730.00	5,050.00	5,050.00	102.74	87.22	8.23	-4,237.57	3,127.04	2,681.76	2,598.38	83.38	32.164 ES		
14,900.00	7,730.00	5,050.00	5,050.00	104.17	87.22	8.23	-4,237.57	3,127.04	2,684.55	2,599.71	84.83	31.645		
15,000.00	7,730.00	5,050.00	5,050.00	105.62	87.22	8.23	-4,237.57	3,127.04	2,691.05	2,604.28	86.77	31.015		
15,100.00	7,730.00	5,050.00	5,050.00	107.07	87.22	8.23	-4,237.57	3,127.04	2,701.24	2,612.14	89.10	30.316		
15,200.00	7,730.00	5,050.00	5,050.00	108.54	87.22	8.23	-4,237.57	3,127.04	2,715.08	2,623.33	91.76	29.590		
15,300.00	7,730.00	5,050.00	5,050.00	110.02	87.22	8.23	-4,237.57	3,127.04	2,732.52	2,637.88	94.63	28.875		
15,400.00	7,730.00	5,050.00	5,050.00	111.51	87.22	8.23	-4,237.57	3,127.04	2,753.47	2,655.81	97.66	28.195		
15,500.00	7,730.00	5,050.00	5,050.00	113.01	87.22	8.23	-4,237.57	3,127.04	2,777.87	2,677.11	100.77	27.567		
15,600.00	7,730.00	5,050.00	5,050.00	114.52	87.22	8.23	-4,237.57	3,127.04	2,805.63	2,701.72	103.90	27.002		
15,700.00	7,730.00	5,050.00	5,050.00	116.04	87.22	8.23	-4,237.57	3,127.04	2,836.64	2,729.61	107.03	26.503		
15,800.00	7,730.00	5,050.00	5,050.00	117.56	87.22	8.23	-4,237.57	3,127.04	2,870.80	2,760.69	110.11	26.072		
15,900.00	7,730.00	5,050.00	5,050.00	119.09	87.22	8.23	-4,237.57	3,127.04	2,908.00	2,794.88	113.12	25.707		
16,000.00	7,730.00	5,050.00	5,050.00	120.63	87.22	8.23	-4,237.57	3,127.04	2,948.12	2,832.08	116.04	25.405		
16,100.00	7,730.00	5,050.00	5,050.00	122.18	87.22	8.23	-4,237.57	3,127.04	2,991.05	2,872.18	118.87	25.163		
16,200.00	7,730.00	5,050.00	5,050.00	123.73	87.22	8.23	-4,237.57	3,127.04	3,036.67	2,915.09	121.58	24.977		
16,300.00	7,730.00	5,050.00	5,050.00	125.29	87.22	8.23	-4,237.57	3,127.04	3,084.85	2,960.68	124.17	24.843		
16,400.00	7,730.00	5,050.00	5,050.00	126.86	87.22	8.23	-4,237.57	3,127.04	3,135.49	3,008.83	126.65	24.757		
16,500.00	7,730.00	5,050.00	5,050.00	128.43	87.22	8.23	-4,237.57	3,127.04	3,188.45	3,059.45	129.01	24.715		
16,600.00	7,730.00	5,050.00	5,050.00	130.01	87.22	8.23	-4,237.57	3,127.04	3,243.64	3,112.40	131.24	24.715 SF		
16,700.00	7,730.00	5,050.00	5,050.00	131.59	87.22	8.23	-4,237.57	3,127.04	3,300.93	3,167.57	133.36	24.752		
16,800.00	7,730.00	5,050.00	5,050.00	133.18	87.22	8.23	-4,237.57	3,127.04	3,360.23	3,224.87	135.36	24.824		
16,900.00	7,730.00	5,050.00	5,050.00	134.77	87.22	8.23	-4,237.57	3,127.04	3,421.42	3,284.16	137.25	24.928		
17,000.00	7,730.00	5,050.00	5,050.00	136.37	87.22	8.23	-4,237.57	3,127.04	3,484.40	3,345.37	139.03	25.061		
17,100.00	7,730.00	5,050.00	5,050.00	137.97	87.22	8.23	-4,237.57	3,127.04	3,549.09	3,408.37	140.71	25.222		
17,200.00	7,730.00	5,050.00	5,050.00	139.57	87.22	8.23	-4,237.57	3,127.04	3,615.38	3,473.09	142.29	25.408		
17,300.00	7,730.00	5,050.00	5,050.00	141.18	87.22	8.23	-4,237.57	3,127.04	3,683.20	3,539.42	143.78	25.617		
17,400.00	7,730.00	5,050.00	5,050.00	142.79	87.22	8.23	-4,237.57	3,127.04	3,752.46	3,607.28	145.18	25.847		
17,500.00	7,730.00	5,050.00	5,050.00	144.41	87.22	8.23	-4,237.57	3,127.04	3,823.07	3,676.58	146.49	26.097		
17,600.00	7,730.00	5,050.00	5,050.00	146.03	87.22	8.23	-4,237.57	3,127.04	3,894.98	3,747.25	147.73	26.366		
17,700.00	7,730.00	5,050.00	5,050.00	147.65	87.22	8.23	-4,237.57	3,127.04	3,968.10	3,819.21	148.89	26.652		
17,800.00	7,730.00	5,050.00	5,050.00	149.28	87.22	8.23	-4,237.57	3,127.04	4,042.37	3,892.39	149.98	26.953		
17,900.00	7,730.00	5,050.00	5,050.00	150.91	87.22	8.23	-4,237.57	3,127.04	4,117.74	3,966.73	151.00	27.269		
18,000.00	7,730.00	5,050.00	5,050.00	152.54	87.22	8.23	-4,237.57	3,127.04	4,194.13	4,042.16	151.97	27.599		
18,100.00	7,730.00	5,050.00	5,050.00	154.18	87.22	8.23	-4,237.57	3,127.04	4,271.50	4,118.62	152.87	27.942		
18,200.00	7,730.00	5,050.00	5,050.00	155.82	87.22	8.23	-4,237.57	3,127.04	4,349.79	4,196.06	153.72	28.296		
18,300.00	7,730.00	5,050.00	5,050.00	157.46	87.22	8.23	-4,237.57	3,127.04	4,428.95	4,274.43	154.52	28.662		
18,400.00	7,730.00	5,050.00	5,050.00	159.11	87.22	8.23	-4,237.57	3,127.04	4,508.94	4,353.67	155.28	29.038		
18,500.00	7,730.00	5,050.00	5,050.00	160.75	87.22	8.23	-4,237.57	3,127.04	4,589.72	4,433.73	155.99	29.424		
18,600.00	7,730.00	5,050.00	5,050.00	162.40	87.22	8.23	-4,237.57	3,127.04	4,671.24	4,514.59	156.66	29.818		
18,700.00	7,730.00	5,050.00	5,050.00	164.05	87.22	8.23	-4,237.57	3,127.04	4,753.47	4,596.18	157.29	30.222		
18,800.00	7,730.00	5,050.00	5,050.00	165.71	87.22	8.23	-4,237.57	3,127.04	4,836.37	4,678.49	157.88	30.633		
18,900.00	7,730.00	5,050.00	5,050.00	167.36	87.22	8.23	-4,237.57	3,127.04	4,919.90	4,761.46	158.44	31.052		
18,942.39	7,730.00	5,050.00	5,050.00	168.07	87.22	8.23	-4,237.57	3,127.04	4,955.49	4,796.82	158.67	31.232		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	156.89	-4,237.70	1,808.01	4,607.34					
100.00	100.00	76.00	76.00	0.13	0.62	156.89	-4,237.70	1,808.01	4,607.28	4,606.52	0.76	6,079.329		
200.00	200.00	176.00	176.00	0.49	2.15	156.89	-4,237.70	1,808.01	4,607.28	4,604.64	2.64	1,745.409		
300.00	300.00	276.00	276.00	0.85	3.89	156.89	-4,237.70	1,808.01	4,607.28	4,602.53	4.74	971.291		
400.00	400.00	376.00	376.00	1.21	5.64	156.89	-4,237.70	1,808.01	4,607.28	4,600.43	6.85	672.865		
500.00	500.00	476.00	476.00	1.57	7.38	156.89	-4,237.70	1,808.01	4,607.28	4,598.32	8.95	514.719		
600.00	600.00	576.00	576.00	1.93	9.13	156.89	-4,237.70	1,808.01	4,607.28	4,596.22	11.05	416.765		
700.00	700.00	676.00	676.00	2.29	10.87	156.89	-4,237.70	1,808.01	4,607.28	4,594.12	13.16	350.133		
800.00	800.00	776.00	776.00	2.64	12.62	156.89	-4,237.70	1,808.01	4,607.28	4,592.01	15.26	301.870		
900.00	899.88	875.98	875.98	3.00	14.36	97.33	-4,237.70	1,808.01	4,607.50	4,590.14	17.36	265.379		
1,000.00	999.84	975.84	975.84	3.35	16.11	97.38	-4,237.70	1,808.01	4,608.17	4,588.71	19.46	236.823		
1,100.00	1,099.45	1,075.45	1,075.45	3.71	17.85	97.46	-4,237.70	1,808.01	4,609.30	4,587.74	21.56	213.823		
1,200.00	1,198.70	1,174.70	1,174.70	4.08	19.58	97.58	-4,237.70	1,808.01	4,610.91	4,587.25	23.66	194.889		
1,300.00	1,297.47	1,273.47	1,273.47	4.47	21.30	97.73	-4,237.70	1,808.01	4,613.01	4,587.25	25.77	179.017		
1,400.00	1,395.62	1,371.62	1,371.62	4.87	23.01	97.90	-4,237.70	1,808.01	4,615.66	4,587.77	27.89	165.505		
1,500.00	1,493.06	1,469.06	1,469.06	5.31	24.71	98.11	-4,237.70	1,808.01	4,618.87	4,588.85	30.02	153.849		
1,600.00	1,589.64	1,565.64	1,565.64	5.77	26.40	98.34	-4,237.70	1,808.01	4,622.70	4,590.53	32.17	143.681		
1,700.00	1,685.27	1,661.27	1,661.27	6.28	28.07	98.60	-4,237.70	1,808.01	4,627.20	4,592.86	34.35	134.724		
1,800.00	1,779.82	1,755.82	1,755.82	6.83	29.72	98.87	-4,237.70	1,808.01	4,632.42	4,595.88	36.54	126.771		
1,900.00	1,873.17	1,849.17	1,849.17	7.43	31.35	99.16	-4,237.70	1,808.01	4,638.43	4,599.66	38.76	119.657		
2,000.00	1,965.21	1,941.21	1,941.21	8.08	32.96	99.46	-4,237.70	1,808.01	4,645.28	4,604.27	41.01	113.258		
2,100.00	2,055.84	2,031.84	2,031.84	8.79	34.54	99.78	-4,237.70	1,808.01	4,653.05	4,609.76	43.30	107.472		
2,200.00	2,144.94	2,120.94	2,120.94	9.56	36.09	100.09	-4,237.70	1,808.01	4,661.81	4,616.21	45.61	102.219		
2,300.00	2,232.39	2,208.39	2,208.39	10.39	37.62	100.41	-4,237.70	1,808.01	4,671.64	4,623.69	47.95	97.433		
2,400.00	2,318.11	2,305.89	2,294.11	11.30	39.32	100.73	-4,237.70	1,808.01	4,682.60	4,632.08	50.52	92.682		
2,504.60	2,405.78	2,381.78	2,381.78	12.31	40.64	101.06	-4,237.70	1,808.01	4,695.37	4,642.54	52.83	88.880		
2,600.00	2,484.79	2,460.79	2,460.79	13.28	42.02	101.59	-4,237.70	1,808.01	4,707.94	4,652.80	55.14	85.383		
2,700.00	2,567.60	2,543.60	2,543.60	14.32	43.47	102.15	-4,237.70	1,808.01	4,721.73	4,664.15	57.57	82.011		
2,800.00	2,650.41	2,626.41	2,626.41	15.37	44.91	102.70	-4,237.70	1,808.01	4,736.14	4,676.12	60.02	78.911		
2,900.00	2,733.23	2,709.23	2,709.23	16.44	46.36	103.26	-4,237.70	1,808.01	4,751.17	4,688.70	62.47	76.055		
3,000.00	2,816.04	2,807.96	2,792.04	17.52	48.08	103.81	-4,237.70	1,808.01	4,766.81	4,701.61	65.20	73.108		
3,100.00	2,898.85	2,874.85	2,874.85	18.60	49.25	104.35	-4,237.70	1,808.01	4,783.06	4,715.68	67.38	70.986		
3,200.00	2,981.67	2,957.67	2,957.67	19.69	50.70	104.90	-4,237.70	1,808.01	4,799.91	4,730.07	69.84	68.731		
3,300.00	3,064.48	3,040.48	3,040.48	20.79	52.14	105.44	-4,237.70	1,808.01	4,817.35	4,745.06	72.29	66.639		
3,400.00	3,147.30	3,123.30	3,123.30	21.90	53.59	105.98	-4,237.70	1,808.01	4,835.38	4,760.64	74.74	64.694		
3,500.00	3,230.11	3,206.11	3,206.11	23.00	55.03	106.52	-4,237.70	1,808.01	4,853.99	4,776.80	77.19	62.884		
3,600.00	3,312.92	3,288.92	3,288.92	24.12	56.48	107.05	-4,237.70	1,808.01	4,873.17	4,793.54	79.63	61.195		
3,700.00	3,395.74	3,371.74	3,371.74	25.23	57.92	107.58	-4,237.70	1,808.01	4,892.92	4,810.85	82.07	59.617		
3,800.00	3,478.55	3,454.55	3,454.55	26.35	59.37	108.11	-4,237.70	1,808.01	4,913.23	4,828.72	84.50	58.141		
3,900.00	3,561.36	3,537.36	3,537.36	27.47	60.81	108.63	-4,237.70	1,808.01	4,934.09	4,847.16	86.93	56.758		
4,000.00	3,644.18	3,620.18	3,620.18	28.59	62.26	109.15	-4,237.70	1,808.01	4,955.50	4,866.15	89.35	55.461		
4,100.00	3,726.99	3,702.99	3,702.99	29.72	63.70	109.67	-4,237.70	1,808.01	4,977.45	4,885.68	91.76	54.241		
4,200.00	3,809.81	3,785.81	3,785.81	30.85	65.15	110.19	-4,237.70	1,808.01	4,999.93	4,905.75	94.17	53.094		
4,300.00	3,892.62	3,868.62	3,868.62	31.98	66.60	110.70	-4,237.70	1,808.01	5,022.93	4,926.36	96.57	52.014		
4,400.00	3,975.43	3,951.43	3,951.43	33.11	68.04	111.20	-4,237.70	1,808.01	5,046.45	4,947.49	98.96	50.995		
4,500.00	4,058.25	4,034.25	4,034.25	34.24	69.49	111.71	-4,237.70	1,808.01	5,070.49	4,969.14	101.34	50.033		
4,600.00	4,141.06	4,117.06	4,117.06	35.37	70.93	112.21	-4,237.70	1,808.01	5,095.02	4,991.30	103.72	49.124		
4,700.00	4,223.87	4,200.13	4,199.87	36.50	72.38	112.71	-4,237.70	1,808.01	5,120.05	5,013.96	106.09	48.262		
4,800.00	4,306.69	4,282.69	4,282.69	37.64	73.82	113.20	-4,237.70	1,808.01	5,145.57	5,037.13	108.44	47.450		
4,900.00	4,389.50	4,365.50	4,365.50	38.77	75.27	113.69	-4,237.70	1,808.01	5,171.58	5,060.78	110.79	46.678		
5,000.00	4,472.32	4,448.32	4,448.32	39.91	76.71	114.18	-4,237.70	1,808.01	5,198.05	5,084.92	113.13	45.946		
5,100.00	4,555.13	4,531.13	4,531.13	41.05	78.16	114.66	-4,237.70	1,808.01	5,225.00	5,109.53	115.47	45.251		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,613.94	4,613.94	42.18	79.60	115.14	-4,237.70	1,808.01	5,252.40	5,134.61	117.79	44.591		
5,300.00	4,720.76	4,703.24	4,696.76	43.32	81.16	115.61	-4,237.70	1,808.01	5,280.26	5,160.04	120.22	43.922		
5,400.00	4,803.57	4,779.57	4,779.57	44.46	82.49	116.08	-4,237.70	1,808.01	5,308.56	5,186.15	122.41	43.366		
5,500.00	4,886.39	4,862.39	4,862.39	45.60	83.94	116.55	-4,237.70	1,808.01	5,337.30	5,212.59	124.71	42.797		
5,600.00	4,969.20	4,945.20	4,945.20	46.74	85.38	117.01	-4,237.70	1,808.01	5,366.48	5,239.48	127.00	42.255		
5,700.00	5,052.01	5,028.01	5,028.01	47.88	86.83	117.47	-4,237.70	1,808.01	5,396.08	5,266.79	129.28	41.739		
5,800.00	5,134.83	5,110.83	5,110.83	49.02	88.28	117.93	-4,237.70	1,808.01	5,426.09	5,294.54	131.55	41.246		
5,900.00	5,217.64	5,206.36	5,193.64	50.16	89.94	118.38	-4,237.70	1,808.01	5,456.52	5,322.48	134.04	40.708		
6,000.00	5,300.45	5,276.45	5,276.45	51.30	91.17	118.83	-4,237.70	1,808.01	5,487.35	5,351.27	136.07	40.326		
6,100.00	5,383.27	5,359.27	5,359.27	52.45	92.61	119.28	-4,237.70	1,808.01	5,518.57	5,380.25	138.32	39.897		
6,200.00	5,466.08	5,442.08	5,442.08	53.59	94.06	119.72	-4,237.70	1,808.01	5,550.19	5,409.63	140.56	39.486		
6,300.00	5,548.90	5,450.00	5,450.00	54.73	94.20	119.76	-4,237.70	1,808.01	5,582.69	5,441.27	141.42	39.476		
6,400.00	5,631.71	5,450.00	5,450.00	55.87	94.20	119.76	-4,237.70	1,808.01	5,616.78	5,474.69	142.10	39.528		
6,500.00	5,714.52	5,450.00	5,450.00	57.02	94.20	119.76	-4,237.70	1,808.01	5,652.44	5,509.71	142.73	39.602		
6,600.00	5,797.34	5,450.00	5,450.00	58.16	94.20	119.76	-4,237.70	1,808.01	5,689.63	5,546.30	143.33	39.696		
6,700.00	5,880.15	5,450.00	5,450.00	59.30	94.20	119.76	-4,237.70	1,808.01	5,728.32	5,584.43	143.89	39.811		
6,800.00	5,962.96	5,450.00	5,450.00	60.45	94.20	119.76	-4,237.70	1,808.01	5,768.49	5,624.07	144.41	39.944		
6,900.00	6,045.78	5,450.00	5,450.00	61.59	94.20	119.76	-4,237.70	1,808.01	5,810.10	5,665.20	144.90	40.097		
7,000.00	6,128.59	5,450.00	5,450.00	62.73	94.20	119.76	-4,237.70	1,808.01	5,853.12	5,707.77	145.35	40.268		
7,100.00	6,211.41	5,450.00	5,450.00	63.88	94.20	119.76	-4,237.70	1,808.01	5,897.53	5,751.75	145.77	40.457		
7,200.00	6,294.22	5,450.00	5,450.00	65.02	94.20	119.76	-4,237.70	1,808.01	5,943.28	5,797.12	146.16	40.663		
7,300.00	6,377.03	5,450.00	5,450.00	66.17	94.20	119.76	-4,237.70	1,808.01	5,990.36	5,843.84	146.52	40.885		
7,400.00	6,459.85	5,450.00	5,450.00	67.31	94.20	119.76	-4,237.70	1,808.01	6,038.72	5,891.88	146.84	41.124		
7,500.00	6,542.66	5,450.00	5,450.00	68.46	94.20	119.76	-4,237.70	1,808.01	6,088.35	5,941.21	147.14	41.378		
7,600.00	6,625.48	5,450.00	5,450.00	69.60	94.20	119.76	-4,237.70	1,808.01	6,139.20	5,991.79	147.41	41.647		
7,700.00	6,708.29	5,450.00	5,450.00	70.75	94.20	119.76	-4,237.70	1,808.01	6,191.25	6,043.60	147.65	41.931		
7,800.00	6,791.10	5,450.00	5,450.00	71.89	94.20	119.76	-4,237.70	1,808.01	6,244.47	6,096.60	147.87	42.229		
7,900.00	6,873.92	5,450.00	5,450.00	73.04	94.20	119.76	-4,237.70	1,808.01	6,298.82	6,150.76	148.07	42.541		
8,000.00	6,956.73	5,450.00	5,450.00	74.18	94.20	119.76	-4,237.70	1,808.01	6,354.29	6,206.05	148.24	42.866		
8,100.00	7,039.54	5,450.00	5,450.00	75.33	94.20	119.76	-4,237.70	1,808.01	6,410.83	6,262.44	148.39	43.203		
8,165.32	7,093.63	5,450.00	5,450.00	76.08	94.20	119.76	-4,237.70	1,808.01	6,448.33	6,299.86	148.47	43.431		
8,200.00	7,122.60	5,450.00	5,450.00	76.47	94.20	114.79	-4,237.70	1,808.01	6,467.56	6,319.04	148.52	43.548		
8,250.00	7,165.05	5,450.00	5,450.00	77.01	94.20	106.96	-4,237.70	1,808.01	6,492.38	6,343.80	148.58	43.697		
8,300.00	7,208.03	5,450.00	5,450.00	77.52	94.20	98.54	-4,237.70	1,808.01	6,513.64	6,365.01	148.63	43.824		
8,350.00	7,251.22	5,450.00	5,450.00	77.99	94.20	89.87	-4,237.70	1,808.01	6,531.21	6,382.53	148.68	43.929		
8,400.00	7,294.28	5,450.00	5,450.00	78.41	94.20	81.40	-4,237.70	1,808.01	6,544.99	6,396.28	148.71	44.011		
8,450.00	7,336.90	5,450.00	5,450.00	78.78	94.20	73.50	-4,237.70	1,808.01	6,554.90	6,406.18	148.73	44.073		
8,500.00	7,378.73	5,450.00	5,450.00	79.10	94.20	66.44	-4,237.70	1,808.01	6,560.89	6,412.16	148.73	44.113		
8,550.00	7,419.47	5,450.00	5,450.00	79.37	94.20	60.32	-4,237.70	1,808.01	6,562.91	6,414.20	148.71	44.133		
8,600.00	7,458.81	5,450.00	5,450.00	79.59	94.20	55.12	-4,237.70	1,808.01	6,560.95	6,412.29	148.66	44.133		
8,650.00	7,496.44	5,450.00	5,450.00	79.76	94.20	50.77	-4,237.70	1,808.01	6,555.04	6,406.43	148.60	44.112		
8,700.00	7,532.08	5,450.00	5,450.00	79.88	94.20	47.17	-4,237.70	1,808.01	6,545.19	6,396.67	148.52	44.070		
8,750.00	7,565.46	5,450.00	5,450.00	79.95	94.20	44.21	-4,237.70	1,808.01	6,531.47	6,383.05	148.42	44.008		
8,800.00	7,596.33	5,450.00	5,450.00	79.98	94.20	41.80	-4,237.70	1,808.01	6,513.96	6,365.66	148.30	43.925		
8,850.00	7,624.44	5,450.00	5,450.00	79.97	94.20	39.86	-4,237.70	1,808.01	6,492.76	6,344.60	148.16	43.822		
8,900.00	7,649.59	5,450.00	5,450.00	79.93	94.20	38.33	-4,237.70	1,808.01	6,468.00	6,319.99	148.02	43.698		
8,950.00	7,671.59	5,450.00	5,450.00	79.84	94.20	37.17	-4,237.70	1,808.01	6,439.83	6,291.97	147.86	43.554		
9,000.00	7,690.26	5,450.00	5,450.00	79.73	94.20	36.35	-4,237.70	1,808.01	6,408.41	6,260.71	147.70	43.389		
9,050.00	7,705.47	5,450.00	5,450.00	79.59	94.20	35.85	-4,237.70	1,808.01	6,373.94	6,226.41	147.53	43.203		
9,100.00	7,717.09	5,450.00	5,450.00	79.43	94.20	35.68	-4,237.70	1,808.01	6,336.64	6,189.27	147.37	42.998		
9,150.00	7,725.04	5,450.00	5,450.00	79.26	94.20	35.85	-4,237.70	1,808.01	6,296.74	6,149.53	147.21	42.773		
9,200.00	7,729.27	5,450.00	5,450.00	79.06	94.20	36.44	-4,237.70	1,808.01	6,254.50	6,107.44	147.07	42.529		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	5,450.00	5,450.00	78.93	94.20	37.05	-4,237.70	1,808.01	6,227.14	6,080.16	146.98	42.367		
9,300.00	7,730.00	5,450.00	5,450.00	78.65	94.20	37.05	-4,237.70	1,808.01	6,165.85	6,019.06	146.79	42.003		
9,400.00	7,730.00	5,450.00	5,450.00	78.26	94.20	37.05	-4,237.70	1,808.01	6,077.15	5,930.64	146.51	41.478		
9,500.00	7,730.00	5,450.00	5,450.00	77.89	94.20	37.05	-4,237.70	1,808.01	5,988.81	5,842.58	146.23	40.956		
9,600.00	7,730.00	5,450.00	5,450.00	77.53	94.20	37.05	-4,237.70	1,808.01	5,900.84	5,754.91	145.93	40.436		
9,700.00	7,730.00	5,450.00	5,450.00	77.19	94.20	37.05	-4,237.70	1,808.01	5,813.26	5,667.63	145.62	39.920		
9,800.00	7,730.00	5,450.00	5,450.00	76.88	94.20	37.05	-4,237.70	1,808.01	5,726.08	5,580.78	145.31	39.407		
9,900.00	7,730.00	5,450.00	5,450.00	76.58	94.20	37.05	-4,237.70	1,808.01	5,639.33	5,494.35	144.98	38.897		
10,000.00	7,730.00	5,450.00	5,450.00	76.30	94.20	37.05	-4,237.70	1,808.01	5,553.03	5,408.38	144.64	38.391		
10,100.00	7,730.00	5,450.00	5,450.00	76.04	94.20	37.05	-4,237.70	1,808.01	5,467.19	5,322.89	144.30	37.889		
10,200.00	7,730.00	5,450.00	5,450.00	75.79	94.20	37.05	-4,237.70	1,808.01	5,381.84	5,237.90	143.94	37.390		
10,300.00	7,730.00	5,450.00	5,450.00	75.57	94.20	37.05	-4,237.70	1,808.01	5,297.00	5,153.44	143.57	36.896		
10,400.00	7,730.00	5,450.00	5,450.00	75.36	94.20	37.05	-4,237.70	1,808.01	5,212.70	5,069.52	143.18	36.406		
10,500.00	7,730.00	5,450.00	5,450.00	75.18	94.20	37.05	-4,237.70	1,808.01	5,128.97	4,986.18	142.79	35.920		
10,600.00	7,730.00	5,450.00	5,450.00	75.01	94.20	37.05	-4,237.70	1,808.01	5,045.83	4,903.45	142.38	35.439		
10,700.00	7,730.00	5,450.00	5,450.00	74.86	94.20	37.05	-4,237.70	1,808.01	4,963.31	4,821.35	141.96	34.962		
10,800.00	7,730.00	5,450.00	5,450.00	74.74	94.20	37.05	-4,237.70	1,808.01	4,881.44	4,739.92	141.53	34.491		
10,900.00	7,730.00	5,450.00	5,450.00	74.64	94.20	37.05	-4,237.70	1,808.01	4,800.26	4,659.19	141.08	34.026		
11,000.00	7,730.00	5,450.00	5,450.00	74.56	94.20	37.05	-4,237.70	1,808.01	4,719.81	4,579.19	140.62	33.565		
11,100.00	7,730.00	5,450.00	5,450.00	74.51	94.20	37.05	-4,237.70	1,808.01	4,640.11	4,499.97	140.14	33.111		
11,200.00	7,730.00	5,450.00	5,450.00	74.48	94.20	37.05	-4,237.70	1,808.01	4,561.21	4,421.57	139.65	32.663		
11,300.00	7,730.00	5,450.00	5,450.00	74.48	94.20	37.05	-4,237.70	1,808.01	4,483.16	4,344.02	139.14	32.221		
11,400.00	7,730.00	5,450.00	5,450.00	74.50	94.20	37.05	-4,237.70	1,808.01	4,405.99	4,267.38	138.61	31.786		
11,500.00	7,730.00	5,450.00	5,450.00	74.56	94.20	37.05	-4,237.70	1,808.01	4,329.76	4,191.69	138.07	31.358		
11,600.00	7,730.00	5,450.00	5,450.00	74.66	94.20	37.05	-4,237.70	1,808.01	4,254.51	4,116.99	137.52	30.937		
11,700.00	7,730.00	5,450.00	5,450.00	74.79	94.20	37.05	-4,237.70	1,808.01	4,180.30	4,043.35	136.95	30.524		
11,800.00	7,730.00	5,450.00	5,450.00	74.96	94.20	37.05	-4,237.70	1,808.01	4,107.18	3,970.82	136.36	30.119		
11,900.00	7,730.00	5,450.00	5,450.00	75.17	94.20	37.05	-4,237.70	1,808.01	4,035.22	3,899.46	135.76	29.723		
12,000.00	7,730.00	5,450.00	5,450.00	75.43	94.20	37.05	-4,237.70	1,808.01	3,964.48	3,829.33	135.15	29.335		
12,100.00	7,730.00	5,450.00	5,450.00	75.73	94.20	37.05	-4,237.70	1,808.01	3,895.01	3,760.49	134.52	28.956		
12,200.00	7,730.00	5,450.00	5,450.00	76.09	94.20	37.05	-4,237.70	1,808.01	3,826.90	3,693.03	133.87	28.586		
12,300.00	7,730.00	5,450.00	5,450.00	76.51	94.20	37.05	-4,237.70	1,808.01	3,760.21	3,627.00	133.22	28.226		
12,400.00	7,730.00	5,450.00	5,450.00	76.97	94.20	37.05	-4,237.70	1,808.01	3,695.03	3,562.48	132.55	27.876		
12,500.00	7,730.00	5,450.00	5,450.00	77.50	94.20	37.05	-4,237.70	1,808.01	3,631.43	3,499.56	131.88	27.537		
12,600.00	7,730.00	5,450.00	5,450.00	78.09	94.20	37.05	-4,237.70	1,808.01	3,569.50	3,438.31	131.19	27.208		
12,700.00	7,730.00	5,450.00	5,450.00	78.74	94.20	37.05	-4,237.70	1,808.01	3,509.33	3,378.82	130.51	26.890		
12,800.00	7,730.00	5,450.00	5,450.00	79.45	94.20	37.05	-4,237.70	1,808.01	3,451.01	3,321.19	129.82	26.583		
12,900.00	7,730.00	5,450.00	5,450.00	80.22	94.20	37.05	-4,237.70	1,808.01	3,394.63	3,265.50	129.13	26.288		
13,000.00	7,730.00	5,450.00	5,450.00	81.05	94.20	37.05	-4,237.70	1,808.01	3,340.29	3,211.84	128.45	26.004		
13,100.00	7,730.00	5,450.00	5,450.00	81.94	94.20	37.05	-4,237.70	1,808.01	3,288.10	3,160.32	127.78	25.733		
13,200.00	7,730.00	5,450.00	5,450.00	82.87	94.20	37.05	-4,237.70	1,808.01	3,238.15	3,111.03	127.12	25.472		
13,300.00	7,730.00	5,450.00	5,450.00	83.86	94.20	37.05	-4,237.70	1,808.01	3,190.56	3,064.07	126.49	25.224		
13,400.00	7,730.00	5,450.00	5,450.00	84.90	94.20	37.05	-4,237.70	1,808.01	3,145.43	3,019.55	125.88	24.987		
13,500.00	7,730.00	5,450.00	5,450.00	85.97	94.20	37.05	-4,237.70	1,808.01	3,102.87	2,977.56	125.31	24.762		
13,600.00	7,730.00	5,450.00	5,450.00	87.09	94.20	37.05	-4,237.70	1,808.01	3,062.98	2,938.20	124.78	24.548		
13,700.00	7,730.00	5,450.00	5,450.00	88.25	94.20	37.05	-4,237.70	1,808.01	3,025.87	2,901.57	124.30	24.344		
13,800.00	7,730.00	5,450.00	5,450.00	89.44	94.20	37.05	-4,237.70	1,808.01	2,991.64	2,867.77	123.87	24.151		
13,900.00	7,730.00	5,450.00	5,450.00	90.66	94.20	37.05	-4,237.70	1,808.01	2,960.40	2,836.88	123.52	23.967		
14,000.00	7,730.00	5,450.00	5,450.00	91.92	94.20	37.05	-4,237.70	1,808.01	2,932.24	2,809.00	123.24	23.793		
14,100.00	7,730.00	5,450.00	5,450.00	93.20	94.20	37.05	-4,237.70	1,808.01	2,907.25	2,784.20	123.04	23.628		
14,200.00	7,730.00	5,450.00	5,450.00	94.50	94.20	37.05	-4,237.70	1,808.01	2,885.50	2,762.56	122.94	23.470		
14,300.00	7,730.00	5,450.00	5,450.00	95.83	94.20	37.05	-4,237.70	1,808.01	2,867.08	2,744.14	122.94	23.320		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,400.00	7,730.00	5,450.00	5,450.00	97.17	94.20	37.05	-4,237.70	1,808.01	2,852.06	2,729.00	123.05	23.178		
14,500.00	7,730.00	5,450.00	5,450.00	98.54	94.20	37.05	-4,237.70	1,808.01	2,840.47	2,717.20	123.27	23.042		
14,600.00	7,730.00	5,450.00	5,450.00	99.92	94.20	37.05	-4,237.70	1,808.01	2,832.37	2,708.76	123.61	22.914		
14,700.00	7,730.00	5,450.00	5,450.00	101.32	94.20	37.05	-4,237.70	1,808.01	2,827.78	2,703.72	124.06	22.793		
14,779.76	7,730.00	5,450.00	5,450.00	102.45	94.20	37.05	-4,237.70	1,808.01	2,826.66	2,702.15	124.51	22.703 CC		
14,800.00	7,730.00	5,450.00	5,450.00	102.74	94.20	37.05	-4,237.70	1,808.01	2,826.73	2,702.10	124.63	22.681 ES		
14,900.00	7,730.00	5,450.00	5,450.00	104.17	94.20	37.05	-4,237.70	1,808.01	2,829.22	2,703.91	125.31	22.578		
15,000.00	7,730.00	5,450.00	5,450.00	105.62	94.20	37.05	-4,237.70	1,808.01	2,835.23	2,709.13	126.09	22.485		
15,100.00	7,730.00	5,450.00	5,450.00	107.07	94.20	37.05	-4,237.70	1,808.01	2,844.74	2,717.77	126.98	22.404		
15,200.00	7,730.00	5,450.00	5,450.00	108.54	94.20	37.05	-4,237.70	1,808.01	2,857.73	2,729.78	127.95	22.335		
15,300.00	7,730.00	5,450.00	5,450.00	110.02	94.20	37.05	-4,237.70	1,808.01	2,874.14	2,745.14	129.00	22.281		
15,400.00	7,730.00	5,450.00	5,450.00	111.51	94.20	37.05	-4,237.70	1,808.01	2,893.91	2,763.80	130.11	22.242		
15,500.00	7,730.00	5,450.00	5,450.00	113.01	94.20	37.05	-4,237.70	1,808.01	2,916.98	2,785.70	131.28	22.220		
15,600.00	7,730.00	5,450.00	5,450.00	114.52	94.20	37.05	-4,237.70	1,808.01	2,943.26	2,810.78	132.48	22.216 SF		
15,700.00	7,730.00	5,450.00	5,450.00	116.04	94.20	37.05	-4,237.70	1,808.01	2,972.68	2,838.97	133.72	22.231		
15,800.00	7,730.00	5,450.00	5,450.00	117.56	94.20	37.05	-4,237.70	1,808.01	3,005.15	2,870.18	134.97	22.266		
15,900.00	7,730.00	5,450.00	5,450.00	119.09	94.20	37.05	-4,237.70	1,808.01	3,040.55	2,904.33	136.22	22.321		
16,000.00	7,730.00	5,450.00	5,450.00	120.63	94.20	37.05	-4,237.70	1,808.01	3,078.80	2,941.33	137.47	22.396		
16,100.00	7,730.00	5,450.00	5,450.00	122.18	94.20	37.05	-4,237.70	1,808.01	3,119.78	2,981.08	138.70	22.492		
16,200.00	7,730.00	5,450.00	5,450.00	123.73	94.20	37.05	-4,237.70	1,808.01	3,163.40	3,023.48	139.92	22.609		
16,300.00	7,730.00	5,450.00	5,450.00	125.29	94.20	37.05	-4,237.70	1,808.01	3,209.54	3,068.43	141.11	22.745		
16,400.00	7,730.00	5,450.00	5,450.00	126.86	94.20	37.05	-4,237.70	1,808.01	3,258.10	3,115.83	142.26	22.902		
16,500.00	7,730.00	5,450.00	5,450.00	128.43	94.20	37.05	-4,237.70	1,808.01	3,308.96	3,165.58	143.38	23.078		
16,600.00	7,730.00	5,450.00	5,450.00	130.01	94.20	37.05	-4,237.70	1,808.01	3,362.04	3,217.57	144.46	23.272		
16,700.00	7,730.00	5,450.00	5,450.00	131.59	94.20	37.05	-4,237.70	1,808.01	3,417.21	3,271.71	145.50	23.485		
16,800.00	7,730.00	5,450.00	5,450.00	133.18	94.20	37.05	-4,237.70	1,808.01	3,474.39	3,327.89	146.50	23.716		
16,900.00	7,730.00	5,450.00	5,450.00	134.77	94.20	37.05	-4,237.70	1,808.01	3,533.47	3,386.02	147.45	23.963		
17,000.00	7,730.00	5,450.00	5,450.00	136.37	94.20	37.05	-4,237.70	1,808.01	3,594.37	3,446.00	148.36	24.227		
17,100.00	7,730.00	5,450.00	5,450.00	137.97	94.20	37.05	-4,237.70	1,808.01	3,656.98	3,507.75	149.23	24.505		
17,200.00	7,730.00	5,450.00	5,450.00	139.57	94.20	37.05	-4,237.70	1,808.01	3,721.23	3,571.18	150.06	24.799		
17,300.00	7,730.00	5,450.00	5,450.00	141.18	94.20	37.05	-4,237.70	1,808.01	3,787.03	3,636.19	150.84	25.106		
17,400.00	7,730.00	5,450.00	5,450.00	142.79	94.20	37.05	-4,237.70	1,808.01	3,854.31	3,702.72	151.58	25.427		
17,500.00	7,730.00	5,450.00	5,450.00	144.41	94.20	37.05	-4,237.70	1,808.01	3,922.97	3,770.68	152.29	25.760		
17,600.00	7,730.00	5,450.00	5,450.00	146.03	94.20	37.05	-4,237.70	1,808.01	3,992.96	3,840.01	152.96	26.105		
17,700.00	7,730.00	5,450.00	5,450.00	147.65	94.20	37.05	-4,237.70	1,808.01	4,064.21	3,910.62	153.59	26.462		
17,800.00	7,730.00	5,450.00	5,450.00	149.28	94.20	37.05	-4,237.70	1,808.01	4,136.65	3,982.46	154.18	26.829		
17,900.00	7,730.00	5,450.00	5,450.00	150.91	94.20	37.05	-4,237.70	1,808.01	4,210.21	4,055.47	154.75	27.207		
18,000.00	7,730.00	5,450.00	5,450.00	152.54	94.20	37.05	-4,237.70	1,808.01	4,284.85	4,129.57	155.28	27.594		
18,100.00	7,730.00	5,450.00	5,450.00	154.18	94.20	37.05	-4,237.70	1,808.01	4,360.51	4,204.72	155.79	27.990		
18,200.00	7,730.00	5,450.00	5,450.00	155.82	94.20	37.05	-4,237.70	1,808.01	4,437.12	4,280.86	156.27	28.395		
18,300.00	7,730.00	5,450.00	5,450.00	157.46	94.20	37.05	-4,237.70	1,808.01	4,514.65	4,357.94	156.72	28.808		
18,400.00	7,730.00	5,450.00	5,450.00	159.11	94.20	37.05	-4,237.70	1,808.01	4,593.05	4,435.91	157.14	29.229		
18,500.00	7,730.00	5,450.00	5,450.00	160.75	94.20	37.05	-4,237.70	1,808.01	4,672.28	4,514.73	157.55	29.657		
18,600.00	7,730.00	5,450.00	5,450.00	162.40	94.20	37.05	-4,237.70	1,808.01	4,752.29	4,594.36	157.93	30.092		
18,700.00	7,730.00	5,450.00	5,450.00	164.05	94.20	37.05	-4,237.70	1,808.01	4,833.04	4,674.75	158.29	30.533		
18,800.00	7,730.00	5,450.00	5,450.00	165.71	94.20	37.05	-4,237.70	1,808.01	4,914.50	4,755.87	158.63	30.981		
18,900.00	7,730.00	5,450.00	5,450.00	167.36	94.20	37.05	-4,237.70	1,808.01	4,996.64	4,837.68	158.95	31.435		
18,942.39	7,730.00	5,450.00	5,450.00	168.07	94.20	37.05	-4,237.70	1,808.01	5,031.65	4,872.56	159.09	31.629		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX F UNIT 1 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	154.95	-4,569.18	2,135.69	5,043.67					
100.00	100.00	72.01	72.01	0.13	0.12	154.95	-4,569.40	2,135.57	5,043.86	5,043.61	0.25	N/A		
200.00	200.00	167.37	167.37	0.49	0.40	154.96	-4,570.16	2,135.13	5,044.39	5,043.49	0.89	5,637.948		
300.00	300.00	286.95	286.94	0.85	0.83	154.97	-4,570.86	2,134.62	5,044.74	5,043.06	1.68	3,000.024		
400.00	400.00	382.06	382.05	1.21	1.17	154.97	-4,571.06	2,134.50	5,044.88	5,042.50	2.38	2,120.649		
500.00	500.00	483.97	483.96	1.57	1.53	154.97	-4,571.30	2,134.51	5,045.10	5,042.00	3.10	1,627.223		
600.00	600.00	615.23	615.22	1.93	2.00	154.98	-4,571.54	2,133.84	5,045.07	5,041.14	3.92	1,285.865		
700.00	700.00	780.64	780.61	2.29	2.57	154.99	-4,570.14	2,131.88	5,043.68	5,038.83	4.85	1,039.330		
800.00	800.00	875.03	874.99	2.64	2.89	155.00	-4,568.84	2,130.81	5,041.96	5,036.42	5.54	910.585		
900.00	899.98	975.64	975.58	3.00	3.24	95.46	-4,567.51	2,129.85	5,040.52	5,034.28	6.24	807.675		
1,000.00	999.84	1,112.39	1,112.30	3.35	3.72	95.58	-4,565.21	2,128.47	5,039.09	5,032.02	7.07	712.677		
1,100.00	1,099.45	1,181.63	1,181.53	3.71	3.96	95.67	-4,564.04	2,127.73	5,037.94	5,030.26	7.67	656.478		
1,200.00	1,198.70	1,273.79	1,273.68	4.08	4.29	95.81	-4,562.75	2,126.89	5,037.50	5,029.13	8.37	601.945		
1,242.26	1,240.50	1,312.95	1,312.84	4.24	4.43	95.88	-4,562.18	2,126.61	5,037.44	5,028.77	8.67	581.059		
1,300.00	1,297.47	1,361.46	1,361.34	4.47	4.60	95.97	-4,561.57	2,126.21	5,037.56	5,028.50	9.06	555.758		
1,400.00	1,395.62	1,443.25	1,443.12	4.87	4.89	96.13	-4,560.81	2,125.41	5,038.33	5,028.57	9.76	516.140		
1,500.00	1,493.06	1,526.14	1,526.01	5.31	5.18	96.32	-4,560.30	2,124.71	5,039.90	5,029.41	10.49	480.419		
1,600.00	1,589.64	1,618.90	1,618.76	5.77	5.51	96.55	-4,559.88	2,123.98	5,042.14	5,030.85	11.29	446.685		
1,700.00	1,685.27	1,717.03	1,716.88	6.28	5.86	96.82	-4,559.41	2,123.11	5,044.88	5,032.73	12.14	415.462		
1,800.00	1,779.82	1,792.07	1,791.92	6.83	6.13	97.03	-4,559.22	2,122.46	5,048.43	5,035.47	12.96	389.586		
1,900.00	1,873.17	1,884.07	1,883.91	7.43	6.46	97.33	-4,559.24	2,121.59	5,052.85	5,038.96	13.88	363.974		
2,000.00	1,965.21	1,975.56	1,975.40	8.08	6.79	97.64	-4,559.34	2,120.52	5,057.99	5,043.13	14.86	340.453		
2,100.00	2,055.84	2,082.23	2,082.07	8.79	7.17	98.04	-4,559.33	2,119.22	5,063.83	5,047.89	15.94	317.655		
2,200.00	2,144.94	2,172.46	2,172.28	9.56	7.49	98.38	-4,559.14	2,117.97	5,070.32	5,053.30	17.03	297.810		
2,300.00	2,232.39	2,265.26	2,265.08	10.39	7.83	98.75	-4,558.87	2,116.85	5,077.74	5,059.56	18.18	279.316		
2,400.00	2,318.11	2,351.01	2,350.82	11.30	8.13	99.09	-4,558.57	2,115.65	5,086.09	5,066.72	19.37	262.582		
2,504.60	2,405.78	2,440.29	2,440.09	12.31	8.45	99.44	-4,558.28	2,114.47	5,096.04	5,075.36	20.68	246.421		
2,600.00	2,484.79	2,528.29	2,528.08	13.28	8.77	100.00	-4,557.75	2,113.54	5,105.84	5,083.90	21.94	232.736		
2,700.00	2,567.60	2,621.85	2,621.63	14.32	9.10	100.59	-4,557.04	2,112.56	5,116.58	5,093.31	23.28	219.820		
2,800.00	2,650.41	2,722.19	2,721.96	15.37	9.46	101.22	-4,555.95	2,111.23	5,127.58	5,102.93	24.65	208.021		
2,900.00	2,733.23	2,791.86	2,791.62	16.44	9.71	101.65	-4,555.26	2,110.16	5,139.22	5,113.30	25.92	198.276		
3,000.00	2,816.04	2,868.80	2,868.55	17.52	9.99	102.14	-4,554.71	2,108.75	5,151.60	5,124.38	27.22	189.250		
3,100.00	2,898.85	2,945.18	2,944.90	18.60	10.26	102.62	-4,554.35	2,106.98	5,164.67	5,136.15	28.52	181.069		
3,200.00	2,981.67	3,019.74	3,019.44	19.69	10.53	103.09	-4,554.09	2,105.24	5,178.44	5,148.62	29.82	173.660		
3,300.00	3,064.48	3,091.54	3,091.22	20.79	10.79	103.54	-4,553.95	2,103.64	5,192.95	5,161.85	31.10	166.951		
3,400.00	3,147.30	3,188.88	3,188.54	21.90	11.14	104.15	-4,553.73	2,101.46	5,208.04	5,175.56	32.48	160.334		
3,500.00	3,230.11	3,266.57	3,266.21	23.00	11.42	104.64	-4,553.42	2,099.75	5,223.59	5,189.80	33.79	154.612		
3,600.00	3,312.92	3,343.38	3,343.01	24.12	11.69	105.11	-4,553.16	2,098.27	5,239.82	5,204.73	35.08	149.362		
3,700.00	3,395.74	3,419.27	3,418.88	25.23	11.96	105.58	-4,553.00	2,096.66	5,256.69	5,220.32	36.37	144.536		
3,800.00	3,478.55	3,489.57	3,489.16	26.35	12.22	106.01	-4,552.98	2,095.22	5,274.28	5,236.65	37.63	140.156		
3,900.00	3,561.36	3,574.44	3,574.02	27.47	12.52	106.53	-4,553.01	2,093.61	5,292.52	5,253.57	38.94	135.905		
4,000.00	3,644.18	3,653.76	3,653.33	28.59	12.81	107.01	-4,552.98	2,092.19	5,311.28	5,271.05	40.23	132.031		
4,100.00	3,726.99	3,736.47	3,736.02	29.72	13.10	107.51	-4,553.04	2,090.57	5,330.65	5,289.13	41.52	128.390		
4,200.00	3,809.81	3,825.20	3,824.73	30.85	13.42	108.05	-4,552.99	2,088.81	5,350.45	5,307.63	42.83	124.932		
4,300.00	3,892.62	3,903.51	3,903.03	31.98	13.70	108.52	-4,552.92	2,087.34	5,370.80	5,326.71	44.09	121.818		
4,400.00	3,975.43	3,979.88	3,979.39	33.11	13.98	108.97	-4,552.92	2,085.97	5,391.75	5,346.41	45.34	118.929		
4,500.00	4,058.25	4,082.07	4,081.56	34.24	14.34	109.57	-4,552.81	2,084.25	5,413.16	5,366.49	46.67	115.976		
4,600.00	4,141.06	4,187.54	4,187.02	35.37	14.72	110.19	-4,552.16	2,082.88	5,434.71	5,386.69	48.02	113.180		
4,700.00	4,223.87	4,289.69	4,289.16	36.50	15.08	110.77	-4,551.05	2,082.27	5,456.43	5,407.09	49.34	110.593		
4,800.00	4,306.69	4,359.98	4,359.45	37.64	15.33	111.16	-4,550.18	2,082.14	5,478.56	5,428.04	50.53	108.427		
4,900.00	4,389.50	4,428.58	4,428.04	38.77	15.57	111.55	-4,549.53	2,082.10	5,501.41	5,449.71	51.70	106.403		
5,000.00	4,472.32	4,499.85	4,499.31	39.91	15.82	111.95	-4,549.03	2,081.98	5,524.91	5,472.03	52.88	104.478		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX F UNIT 1 - OWB - FINAL SURVEY													Offset Site Error: 0.00 usft	
Survey Program: 100-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,580.84	4,580.30	41.05	16.10	112.40	-4,548.57	2,081.60	5,548.98	5,494.89	54.09	102.585		
5,200.00	4,637.94	4,693.81	4,693.26	42.18	16.51	113.03	-4,547.75	2,080.32	5,573.36	5,517.94	55.42	100.566		
5,300.00	4,720.76	4,819.34	4,818.76	43.32	16.96	113.73	-4,545.95	2,078.13	5,597.56	5,540.78	56.79	98.574		
5,400.00	4,803.57	4,912.13	4,911.51	44.46	17.29	114.24	-4,544.21	2,076.45	5,621.89	5,563.87	58.02	96.901		
5,500.00	4,886.39	4,988.10	4,987.46	45.60	17.56	114.66	-4,542.78	2,075.08	5,646.66	5,587.48	59.18	95.422		
5,600.00	4,969.20	5,057.41	5,056.74	46.74	17.81	115.04	-4,541.57	2,073.80	5,672.01	5,611.71	60.30	94.062		
5,700.00	5,052.01	5,126.47	5,125.79	47.88	18.06	115.42	-4,540.54	2,072.43	5,698.01	5,636.60	61.42	92.778		
5,800.00	5,134.83	5,197.88	5,197.18	49.02	18.31	115.81	-4,539.62	2,070.89	5,724.63	5,662.10	62.53	91.550		
5,900.00	5,217.64	5,280.26	5,279.53	50.16	18.61	116.26	-4,538.64	2,069.07	5,751.77	5,688.09	63.68	90.324		
6,000.00	5,300.45	5,375.94	5,375.18	51.30	18.95	116.77	-4,537.41	2,066.98	5,779.27	5,714.40	64.87	89.086		
6,100.00	5,383.27	5,463.11	5,462.31	52.45	19.27	117.24	-4,536.10	2,064.99	5,807.02	5,741.00	66.02	87.954		
6,200.00	5,466.08	5,540.69	5,539.87	53.59	19.55	117.65	-4,534.93	2,063.22	5,835.21	5,768.08	67.13	86.927		
6,300.00	5,548.90	5,615.03	5,614.19	54.73	19.81	118.04	-4,533.92	2,061.84	5,863.91	5,795.70	68.21	85.967		
6,400.00	5,631.71	5,693.30	5,692.44	55.87	20.09	118.44	-4,532.94	2,060.54	5,893.11	5,823.81	69.30	85.035		
6,500.00	5,714.52	5,758.38	5,757.51	57.02	20.33	118.78	-4,532.24	2,059.58	5,922.84	5,852.51	70.33	84.213		
6,600.00	5,797.34	5,831.57	5,830.69	58.16	20.59	119.15	-4,531.68	2,058.78	5,953.20	5,881.82	71.39	83.395		
6,700.00	5,880.15	5,940.00	5,939.11	59.30	20.98	119.69	-4,530.73	2,057.53	5,983.88	5,911.30	72.58	82.449		
6,800.00	5,962.96	6,000.00	6,082.94	60.45	24.03	120.41	-4,528.02	2,055.81	6,013.96	5,937.52	76.44	78.676		
6,900.00	6,045.78	6,167.36	6,166.40	61.59	21.79	120.82	-4,526.00	2,054.87	6,044.09	5,969.12	74.97	80.620		
7,000.00	6,128.59	6,225.45	6,224.47	62.73	22.00	121.11	-4,524.79	2,053.54	6,074.93	5,999.00	75.93	80.008		
7,100.00	6,211.41	6,286.27	6,285.26	63.88	22.21	121.41	-4,523.74	2,052.22	6,106.44	6,029.55	76.89	79.417		
7,200.00	6,294.22	6,335.93	6,334.90	65.02	22.39	121.66	-4,523.10	2,051.19	6,138.67	6,060.87	77.80	78.906		
7,300.00	6,377.03	7,300.00	6,445.53	66.17	25.83	122.20	-4,522.01	2,048.63	6,171.60	6,089.61	81.99	75.274		
7,400.00	6,459.85	6,571.67	6,570.57	67.31	23.23	122.79	-4,519.61	2,047.29	6,203.83	6,123.68	80.15	77.405		
7,500.00	6,542.66	6,772.08	6,770.89	68.46	23.93	123.70	-4,513.88	2,048.00	6,235.50	6,153.86	81.64	76.379		
7,600.00	6,625.48	6,800.00	6,798.79	69.60	24.03	123.83	-4,512.84	2,048.22	6,267.04	6,184.60	82.44	76.022		
7,700.00	6,708.29	6,858.72	6,857.48	70.75	24.23	124.09	-4,511.03	2,048.73	6,299.27	6,215.93	83.35	75.579		
7,800.00	6,791.10	6,900.00	6,898.75	71.89	24.37	124.27	-4,510.25	2,049.10	6,332.60	6,248.43	84.17	75.231		
7,900.00	6,873.92	7,006.78	7,005.50	73.04	24.74	124.75	-4,508.17	2,048.56	6,366.45	6,281.19	85.26	74.667		
8,000.00	6,956.73	7,077.03	7,075.73	74.18	24.99	125.07	-4,506.64	2,048.11	6,400.41	6,314.21	86.20	74.253		
8,100.00	7,039.54	7,135.91	7,134.61	75.33	25.20	125.32	-4,505.62	2,048.49	6,434.85	6,347.77	87.08	73.898		
8,165.32	7,093.63	7,169.65	7,168.34	76.08	25.31	125.47	-4,505.14	2,048.59	6,457.71	6,370.09	87.63	73.696		
8,200.00	7,122.60	7,200.00	7,198.69	76.47	25.42	120.59	-4,504.80	2,048.57	6,469.02	6,381.04	87.97	73.535		
8,250.00	7,165.05	7,217.21	7,215.90	77.01	25.48	112.79	-4,504.62	2,048.52	6,481.93	6,393.56	88.37	73.353		
8,300.00	7,208.03	7,250.02	7,248.70	77.52	25.60	104.49	-4,504.31	2,048.31	6,490.81	6,401.98	88.83	73.067		
8,350.00	7,251.22	7,282.80	7,281.48	77.99	25.71	96.00	-4,504.03	2,047.98	6,495.59	6,406.29	89.30	72.737		
8,400.00	7,294.28	7,329.73	7,328.41	78.41	25.88	87.81	-4,503.65	2,047.34	6,496.22	6,406.39	89.83	72.317		
8,450.00	7,336.90	7,392.06	7,390.73	78.78	26.11	80.33	-4,502.99	2,046.52	6,492.55	6,402.13	90.42	71.807		
8,500.00	7,378.73	7,437.92	7,436.58	79.10	26.27	73.66	-4,502.40	2,045.88	6,484.63	6,393.71	90.92	71.323		
8,550.00	7,419.47	7,480.10	7,478.75	79.37	26.42	67.99	-4,501.82	2,045.14	6,472.61	6,381.22	91.39	70.825		
8,600.00	7,458.81	7,500.00	7,498.64	79.59	26.49	63.21	-4,501.52	2,044.74	6,456.61	6,364.87	91.74	70.376		
8,650.00	7,496.44	7,532.34	7,530.98	79.76	26.61	59.44	-4,501.12	2,044.16	6,436.78	6,344.65	92.13	69.863		
8,700.00	7,532.08	7,552.54	7,551.17	79.88	26.68	56.46	-4,500.96	2,043.89	6,413.32	6,320.87	92.45	69.368		
8,750.00	7,565.46	7,571.62	7,570.25	79.95	26.75	54.25	-4,500.86	2,043.71	6,386.36	6,293.62	92.75	68.858		
8,800.00	7,596.33	7,600.00	7,598.63	79.98	26.85	52.84	-4,500.82	2,043.56	6,356.11	6,263.05	93.06	68.298		
8,850.00	7,624.44	7,626.91	7,625.54	79.97	26.94	52.14	-4,500.80	2,043.47	6,322.71	6,229.35	93.36	67.727		
8,900.00	7,649.59	8,900.00	7,759.51	79.93	31.40	53.25	-4,499.25	2,043.37	6,285.98	6,187.89	98.09	64.083		
8,950.00	7,671.59	8,950.00	7,780.76	79.84	31.58	54.25	-4,498.86	2,043.46	6,246.61	6,148.19	98.42	63.466		
9,000.00	7,690.26	9,000.00	7,798.65	79.73	31.75	56.25	-4,498.54	2,043.53	6,204.93	6,106.19	98.74	62.843		
9,050.00	7,705.47	7,800.00	7,798.61	79.59	27.55	59.32	-4,498.54	2,043.53	6,161.26	6,066.62	94.64	65.099		
9,100.00	7,717.09	7,800.00	7,798.61	79.43	27.55	64.17	-4,498.54	2,043.53	6,115.93	6,021.19	94.74	64.556		
9,150.00	7,725.04	7,800.00	7,798.61	79.26	27.55	71.66	-4,498.54	2,043.53	6,069.24	5,974.42	94.82	64.008		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													SEC 26-T1N-R68W - ABND VERT ALAUX F UNIT 1 - OWB - FINAL SURVEY		Offset Site Error: 0.00 usft	
Survey Program: 100-MWD OWSG															Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning			
9,200.00	7,729.27	7,800.00	7,798.61	79.06	27.55	83.13	-4,498.54	2,043.53	6,021.53	5,926.63	94.89	63.455				
9,231.13	7,730.00	7,800.00	7,798.61	78.93	27.55	92.95	-4,498.54	2,043.53	5,991.45	5,896.51	94.94	63.110				
9,300.00	7,730.00	7,800.00	7,798.61	78.65	27.55	92.95	-4,498.54	2,043.53	5,924.70	5,829.68	95.03	62.348				
9,400.00	7,730.00	7,800.00	7,798.61	78.26	27.55	92.95	-4,498.54	2,043.53	5,827.88	5,732.72	95.16	61.241				
9,500.00	7,730.00	7,800.00	7,798.61	77.89	27.55	92.95	-4,498.54	2,043.53	5,731.16	5,635.86	95.31	60.135				
9,600.00	7,730.00	7,800.00	7,798.61	77.53	27.55	92.95	-4,498.54	2,043.53	5,634.56	5,539.10	95.45	59.029				
9,700.00	7,730.00	7,800.00	7,798.61	77.19	27.55	92.95	-4,498.54	2,043.53	5,538.08	5,442.47	95.61	57.924				
9,800.00	7,730.00	7,800.00	7,798.61	76.88	27.55	92.95	-4,498.54	2,043.53	5,441.72	5,345.95	95.77	56.820				
9,900.00	7,730.00	7,800.00	7,798.61	76.58	27.55	92.95	-4,498.54	2,043.53	5,345.50	5,249.56	95.94	55.717				
10,000.00	7,730.00	7,800.00	7,798.61	76.30	27.55	92.95	-4,498.54	2,043.53	5,249.42	5,153.30	96.12	54.614				
10,100.00	7,730.00	7,800.00	7,798.61	76.04	27.55	92.95	-4,498.54	2,043.53	5,153.49	5,057.18	96.30	53.513				
10,200.00	7,730.00	7,800.00	7,798.61	75.79	27.55	92.95	-4,498.54	2,043.53	5,057.72	4,961.22	96.50	52.412				
10,300.00	7,730.00	7,800.00	7,798.61	75.57	27.55	92.95	-4,498.54	2,043.53	4,962.11	4,865.41	96.70	51.313				
10,400.00	7,730.00	7,800.00	7,798.61	75.36	27.55	92.95	-4,498.54	2,043.53	4,866.68	4,769.76	96.92	50.215				
10,500.00	7,730.00	7,800.00	7,798.61	75.18	27.55	92.95	-4,498.54	2,043.53	4,771.44	4,674.30	97.14	49.119				
10,600.00	7,730.00	7,800.00	7,798.61	75.01	27.55	92.95	-4,498.54	2,043.53	4,676.39	4,579.02	97.37	48.025				
10,700.00	7,730.00	7,800.00	7,798.61	74.86	27.55	92.95	-4,498.54	2,043.53	4,581.56	4,483.94	97.62	46.932				
10,800.00	7,730.00	7,800.00	7,798.61	74.74	27.55	92.95	-4,498.54	2,043.53	4,486.95	4,389.07	97.88	45.841				
10,900.00	7,730.00	7,800.00	7,798.61	74.64	27.55	92.95	-4,498.54	2,043.53	4,392.58	4,294.43	98.15	44.753				
11,000.00	7,730.00	7,800.00	7,798.61	74.56	27.55	92.95	-4,498.54	2,043.53	4,298.47	4,200.03	98.44	43.667				
11,100.00	7,730.00	7,800.00	7,798.61	74.51	27.55	92.95	-4,498.54	2,043.53	4,204.62	4,105.88	98.74	42.584				
11,200.00	7,730.00	7,800.00	7,798.61	74.48	27.55	92.95	-4,498.54	2,043.53	4,111.07	4,012.01	99.05	41.503				
11,300.00	7,730.00	7,800.00	7,798.61	74.48	27.55	92.95	-4,498.54	2,043.53	4,017.83	3,918.44	99.39	40.426				
11,400.00	7,730.00	11,400.00	7,794.99	74.50	40.15	92.81	-4,498.60	2,043.52	3,924.92	3,812.58	112.33	34.940				
11,500.00	7,730.00	11,500.00	7,793.17	74.56	40.50	92.74	-4,498.64	2,043.51	3,832.36	3,719.31	113.05	33.901				
11,600.00	7,730.00	11,600.00	7,791.36	74.66	40.85	92.67	-4,498.67	2,043.50	3,740.19	3,626.41	113.78	32.872				
11,700.00	7,730.00	11,700.00	7,789.54	74.79	41.20	92.60	-4,498.70	2,043.49	3,648.43	3,533.89	114.54	31.854				
11,800.00	7,730.00	11,800.00	7,787.72	74.96	41.55	92.53	-4,498.73	2,043.49	3,557.11	3,441.79	115.32	30.847				
11,900.00	7,730.00	11,900.00	7,785.91	75.17	41.91	92.46	-4,498.77	2,043.48	3,466.27	3,350.15	116.12	29.851				
12,000.00	7,730.00	12,000.00	7,784.09	75.43	42.26	92.39	-4,498.80	2,043.47	3,375.94	3,259.00	116.95	28.867				
12,100.00	7,730.00	12,100.00	7,782.27	75.73	42.61	92.31	-4,498.83	2,043.46	3,286.18	3,168.38	117.80	27.895				
12,200.00	7,730.00	12,200.00	7,780.46	76.09	42.96	92.24	-4,498.87	2,043.46	3,197.02	3,078.33	118.69	26.936				
12,300.00	7,730.00	12,300.00	7,778.64	76.51	43.31	92.17	-4,498.90	2,043.45	3,108.53	2,988.92	119.61	25.989				
12,400.00	7,730.00	12,400.00	7,776.82	76.97	43.66	92.10	-4,498.93	2,043.44	3,020.75	2,900.19	120.56	25.056				
12,500.00	7,730.00	12,500.00	7,775.01	77.50	44.01	92.03	-4,498.97	2,043.44	2,933.75	2,812.20	121.54	24.137				
12,600.00	7,730.00	12,600.00	7,773.19	78.09	44.36	91.96	-4,499.00	2,043.43	2,847.60	2,725.03	122.57	23.233				
12,700.00	7,730.00	7,818.49	7,817.09	78.74	27.62	93.67	-4,498.03	2,043.82	2,762.50	2,655.73	106.77	25.873				
12,800.00	7,730.00	7,810.13	7,808.73	79.45	27.59	93.35	-4,498.26	2,043.68	2,678.34	2,570.87	107.47	24.921				
12,900.00	7,730.00	7,802.50	7,801.10	80.22	27.56	93.05	-4,498.47	2,043.57	2,595.30	2,487.08	108.22	23.981				
13,000.00	7,730.00	7,795.51	7,794.12	81.05	27.54	92.78	-4,498.65	2,043.47	2,513.49	2,404.47	109.02	23.055				
13,100.00	7,730.00	7,789.08	7,787.70	81.94	27.52	92.53	-4,498.81	2,043.39	2,433.03	2,323.16	109.87	22.145				
13,200.00	7,730.00	7,783.16	7,781.78	82.87	27.49	92.29	-4,498.95	2,043.32	2,354.06	2,243.29	110.76	21.253				
13,300.00	7,730.00	7,777.68	7,776.30	83.86	27.48	92.08	-4,499.08	2,043.27	2,276.74	2,165.03	111.71	20.381				
13,400.00	7,730.00	7,772.59	7,771.21	84.90	27.46	91.88	-4,499.19	2,043.22	2,201.24	2,088.53	112.70	19.531				
13,500.00	7,730.00	7,767.86	7,766.48	85.97	27.44	91.70	-4,499.29	2,043.18	2,127.76	2,014.01	113.75	18.706				
13,600.00	7,730.00	7,763.45	7,762.07	87.09	27.43	91.53	-4,499.39	2,043.15	2,056.51	1,941.68	114.83	17.909				
13,700.00	7,730.00	7,759.32	7,757.94	88.25	27.41	91.36	-4,499.47	2,043.13	1,987.73	1,871.78	115.95	17.143				
13,800.00	7,730.00	7,755.46	7,754.08	89.44	27.40	91.21	-4,499.54	2,043.10	1,921.70	1,804.60	117.10	16.411				
13,900.00	7,730.00	7,751.83	7,750.45	90.66	27.39	91.07	-4,499.61	2,043.09	1,858.70	1,740.44	118.26	15.717				
14,000.00	7,730.00	7,748.41	7,747.04	91.92	27.37	90.94	-4,499.67	2,043.07	1,799.05	1,679.63	119.42	15.064				
14,100.00	7,730.00	7,745.20	7,743.82	93.20	27.36	90.81	-4,499.73	2,043.06	1,743.10	1,622.53	120.57	14.457				
14,200.00	7,730.00	7,742.16	7,740.78	94.50	27.35	90.69	-4,499.78	2,043.05	1,691.21	1,569.54	121.67	13.900				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,739.29	7,737.91	95.83	27.34	90.58	-4,499.83	2,043.05	1,643.77	1,521.07	122.70	13.397		
14,400.00	7,730.00	7,736.57	7,735.19	97.17	27.33	90.48	-4,499.87	2,043.04	1,601.17	1,477.55	123.62	12.953		
14,500.00	7,730.00	7,733.99	7,732.61	98.54	27.32	90.38	-4,499.91	2,043.04	1,563.82	1,439.42	124.40	12.571		
14,600.00	7,730.00	7,731.54	7,730.16	99.92	27.31	90.28	-4,499.95	2,043.04	1,532.08	1,407.08	125.00	12.256		
14,700.00	7,730.00	7,729.21	7,727.83	101.32	27.31	90.19	-4,499.99	2,043.04	1,506.33	1,380.94	125.39	12.013		
14,800.00	7,730.00	7,726.99	7,725.62	102.74	27.30	90.10	-4,500.02	2,043.04	1,486.87	1,361.32	125.55	11.843		
14,900.00	7,730.00	7,724.88	7,723.50	104.17	27.29	90.02	-4,500.05	2,043.04	1,473.95	1,348.52	125.43	11.751		
15,000.00	7,730.00	7,722.86	7,721.48	105.62	27.28	89.94	-4,500.08	2,043.04	1,467.74	1,342.70	125.04	11.738 SF		
15,041.35	7,730.00	7,722.05	7,720.68	106.22	27.28	89.91	-4,500.09	2,043.04	1,467.16	1,342.36	124.80	11.756 CC, ES		
15,100.00	7,730.00	7,720.93	7,719.56	107.07	27.28	89.87	-4,500.10	2,043.05	1,468.33	1,343.95	124.38	11.806		
15,200.00	7,730.00	7,719.09	7,717.72	108.54	27.27	89.79	-4,500.13	2,043.05	1,475.71	1,352.26	123.45	11.954		
15,300.00	7,730.00	7,717.33	7,715.95	110.02	27.26	89.72	-4,500.15	2,043.05	1,489.77	1,367.49	122.28	12.183		
15,400.00	7,730.00	7,715.64	7,714.26	111.51	27.26	89.66	-4,500.17	2,043.06	1,510.34	1,389.43	120.92	12.490		
15,500.00	7,730.00	7,714.01	7,712.64	113.01	27.25	89.60	-4,500.19	2,043.06	1,537.16	1,417.76	119.39	12.875		
15,600.00	7,730.00	7,712.46	7,711.09	114.52	27.25	89.53	-4,500.21	2,043.07	1,569.89	1,452.14	117.76	13.332		
15,700.00	7,730.00	7,710.97	7,709.59	116.04	27.24	89.48	-4,500.23	2,043.07	1,608.19	1,492.14	116.04	13.858		
15,800.00	7,730.00	7,709.53	7,708.16	117.56	27.24	89.42	-4,500.25	2,043.08	1,651.65	1,537.35	114.30	14.450		
15,900.00	7,730.00	7,708.15	7,706.78	119.09	27.23	89.37	-4,500.26	2,043.08	1,699.90	1,587.33	112.56	15.102		
16,000.00	7,730.00	7,706.82	7,705.44	120.63	27.23	89.31	-4,500.28	2,043.09	1,752.53	1,641.67	110.86	15.808		
16,100.00	7,730.00	7,705.54	7,704.16	122.18	27.22	89.26	-4,500.29	2,043.10	1,809.15	1,699.94	109.21	16.566		
16,200.00	7,730.00	7,704.30	7,702.93	123.73	27.22	89.22	-4,500.31	2,043.10	1,869.42	1,761.78	107.64	17.368		
16,300.00	7,730.00	7,703.11	7,701.74	125.29	27.21	89.17	-4,500.32	2,043.11	1,932.98	1,826.84	106.14	18.211		
16,400.00	7,730.00	7,701.96	7,700.59	126.86	27.21	89.12	-4,500.33	2,043.11	1,999.52	1,894.78	104.74	19.090		
16,500.00	7,730.00	7,700.85	7,699.47	128.43	27.21	89.08	-4,500.34	2,043.12	2,068.76	1,965.32	103.44	20.000		
16,600.00	7,730.00	7,700.00	7,698.63	130.01	27.20	89.05	-4,500.35	2,043.13	2,140.43	2,038.20	102.23	20.938		
16,700.00	7,730.00	7,699.00	7,698.63	131.59	27.20	89.05	-4,500.35	2,043.13	2,214.30	2,113.19	101.12	21.899		
16,800.00	7,730.00	7,698.19	7,696.82	133.18	27.20	88.98	-4,500.37	2,043.14	2,290.15	2,190.07	100.08	22.883		
16,900.00	7,730.00	7,697.39	7,696.02	134.77	27.19	88.95	-4,500.38	2,043.14	2,367.80	2,268.66	99.14	23.884		
17,000.00	7,730.00	7,696.61	7,695.24	136.37	27.19	88.92	-4,500.39	2,043.15	2,447.07	2,348.80	98.27	24.901		
17,100.00	7,730.00	7,695.84	7,694.47	137.97	27.19	88.89	-4,500.39	2,043.15	2,527.81	2,430.33	97.48	25.931		
17,200.00	7,730.00	7,695.09	7,693.72	139.57	27.19	88.86	-4,500.40	2,043.15	2,609.88	2,513.12	96.76	26.973		
17,300.00	7,730.00	7,694.35	7,692.98	141.18	27.18	88.83	-4,500.41	2,043.16	2,693.17	2,597.06	96.10	28.023		
17,400.00	7,730.00	7,693.62	7,692.25	142.79	27.18	88.80	-4,500.42	2,043.16	2,777.56	2,682.05	95.51	29.083		
17,500.00	7,730.00	7,692.90	7,691.53	144.41	27.18	88.77	-4,500.42	2,043.17	2,862.95	2,767.99	94.96	30.148		
17,600.00	7,730.00	7,692.20	7,690.83	146.03	27.18	88.74	-4,500.43	2,043.17	2,949.26	2,854.79	94.47	31.220		
17,700.00	7,730.00	7,691.50	7,690.13	147.65	27.17	88.72	-4,500.43	2,043.18	3,036.41	2,942.40	94.02	32.296		
17,800.00	7,730.00	7,690.82	7,689.45	149.28	27.17	88.69	-4,500.44	2,043.18	3,124.33	3,030.72	93.61	33.376		
17,900.00	7,730.00	7,690.15	7,688.78	150.91	27.17	88.66	-4,500.45	2,043.18	3,212.96	3,119.72	93.24	34.460		
18,000.00	7,730.00	7,689.49	7,688.12	152.54	27.17	88.64	-4,500.45	2,043.19	3,302.24	3,209.34	92.90	35.545		
18,100.00	7,730.00	7,688.84	7,687.47	154.18	27.16	88.61	-4,500.46	2,043.19	3,392.11	3,299.52	92.60	36.633		
18,200.00	7,730.00	7,688.20	7,686.83	155.82	27.16	88.59	-4,500.46	2,043.19	3,482.54	3,390.22	92.32	37.723		
18,300.00	7,730.00	7,687.57	7,686.20	157.46	27.16	88.56	-4,500.47	2,043.20	3,573.48	3,481.41	92.07	38.813		
18,400.00	7,730.00	7,686.95	7,685.58	159.11	27.16	88.54	-4,500.48	2,043.20	3,664.89	3,573.05	91.84	39.904		
18,500.00	7,730.00	7,686.34	7,684.97	160.75	27.16	88.51	-4,500.48	2,043.20	3,756.73	3,665.10	91.64	40.996		
18,600.00	7,730.00	7,685.74	7,684.37	162.40	27.15	88.49	-4,500.49	2,043.21	3,848.99	3,757.54	91.45	42.088		
18,700.00	7,730.00	7,685.15	7,683.78	164.05	27.15	88.47	-4,500.49	2,043.21	3,941.62	3,850.33	91.28	43.180		
18,800.00	7,730.00	7,684.56	7,683.19	165.71	27.15	88.45	-4,500.50	2,043.21	4,034.60	3,943.47	91.13	44.272		
18,900.00	7,730.00	7,683.99	7,682.62	167.36	27.15	88.42	-4,500.50	2,043.22	4,127.91	4,036.91	91.00	45.364		
18,942.39	7,730.00	7,683.75	7,682.38	168.07	27.15	88.41	-4,500.50	2,043.22	4,167.56	4,076.62	90.94	45.826		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT CRANDELL E UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	17.00	17.00	0.00	0.13	163.46	-7,180.39	2,131.72	7,490.14					
100.00	100.00	117.00	117.00	0.13	1.07	163.46	-7,180.39	2,131.72	7,490.14	7,488.94	1.21	6,201.450		
200.00	200.00	217.00	217.00	0.49	2.82	163.46	-7,180.39	2,131.72	7,490.14	7,486.83	3.31	2,261.786		
300.00	300.00	317.00	317.00	0.85	4.56	163.46	-7,180.39	2,131.72	7,490.14	7,484.73	5.42	1,383.118		
400.00	400.00	417.00	417.00	1.21	6.31	163.46	-7,180.39	2,131.72	7,490.14	7,482.63	7.52	996.135		
500.00	500.00	517.00	517.00	1.57	8.05	163.46	-7,180.39	2,131.72	7,490.14	7,480.52	9.62	778.358		
600.00	600.00	617.00	617.00	1.93	9.80	163.46	-7,180.39	2,131.72	7,490.14	7,478.42	11.73	638.720		
700.00	700.00	717.00	717.00	2.29	11.55	163.46	-7,180.39	2,131.72	7,490.14	7,476.31	13.83	541.563		
800.00	800.00	817.00	817.00	2.64	13.29	163.46	-7,180.39	2,131.72	7,490.14	7,474.21	15.93	470.061		
900.00	899.98	916.98	916.98	3.00	15.04	103.88	-7,180.39	2,131.72	7,490.56	7,472.53	18.03	415.358		
1,000.00	999.84	1,016.84	1,016.84	3.35	16.78	103.90	-7,180.39	2,131.72	7,491.82	7,471.69	20.13	372.162		
1,100.00	1,099.45	1,116.45	1,116.45	3.71	18.52	103.92	-7,180.39	2,131.72	7,493.92	7,471.70	22.23	337.123		
1,200.00	1,198.70	1,215.70	1,215.70	4.08	20.25	103.95	-7,180.39	2,131.72	7,496.88	7,472.55	24.33	308.115		
1,300.00	1,297.47	1,314.47	1,314.47	4.47	21.97	103.99	-7,180.39	2,131.72	7,500.70	7,474.26	26.44	283.684		
1,400.00	1,395.62	1,412.62	1,412.62	4.87	23.69	104.04	-7,180.39	2,131.72	7,505.41	7,476.85	28.56	262.804		
1,500.00	1,493.06	1,510.06	1,510.06	5.31	25.39	104.10	-7,180.39	2,131.72	7,511.01	7,480.32	30.69	244.734		
1,600.00	1,589.64	1,606.64	1,606.64	5.77	27.07	104.15	-7,180.39	2,131.72	7,517.54	7,484.70	32.84	228.925		
1,700.00	1,685.27	1,702.27	1,702.27	6.28	28.74	104.22	-7,180.39	2,131.72	7,525.01	7,490.00	35.01	214.964		
1,800.00	1,779.82	1,803.18	1,796.82	6.83	30.50	104.28	-7,180.39	2,131.72	7,533.45	7,496.15	37.31	201.932		
1,900.00	1,873.17	1,909.83	1,890.17	7.43	32.36	104.34	-7,180.39	2,131.72	7,542.90	7,503.15	39.75	189.742		
2,000.00	1,965.21	1,982.21	1,982.21	8.08	33.63	104.40	-7,180.39	2,131.72	7,553.38	7,511.73	41.65	181.347		
2,100.00	2,055.84	2,072.84	2,072.84	8.79	35.21	104.46	-7,180.39	2,131.72	7,564.93	7,521.01	43.92	172.239		
2,200.00	2,144.94	2,161.94	2,161.94	9.56	36.76	104.51	-7,180.39	2,131.72	7,577.57	7,531.35	46.22	163.949		
2,300.00	2,232.39	2,249.39	2,249.39	10.39	38.29	104.56	-7,180.39	2,131.72	7,591.36	7,542.81	48.55	156.373		
2,400.00	2,318.11	2,335.11	2,335.11	11.30	39.79	104.59	-7,180.39	2,131.72	7,606.31	7,555.41	50.90	149.429		
2,504.60	2,405.78	2,422.78	2,422.78	12.31	41.32	104.61	-7,180.39	2,131.72	7,623.24	7,569.84	53.40	142.765		
2,600.00	2,484.79	2,501.79	2,501.79	13.28	42.70	104.94	-7,180.39	2,131.72	7,639.47	7,583.77	55.69	137.169		
2,700.00	2,567.60	2,584.60	2,584.60	14.32	44.14	105.28	-7,180.39	2,131.72	7,656.84	7,598.72	58.12	131.752		
2,800.00	2,650.41	2,667.41	2,667.41	15.37	45.59	105.62	-7,180.39	2,131.72	7,674.58	7,614.03	60.55	126.750		
2,900.00	2,733.23	2,750.23	2,750.23	16.44	47.03	105.96	-7,180.39	2,131.72	7,692.69	7,629.70	62.99	122.125		
3,000.00	2,816.04	2,833.04	2,833.04	17.52	48.48	106.29	-7,180.39	2,131.72	7,711.17	7,645.73	65.44	117.839		
3,100.00	2,898.85	2,915.85	2,915.85	18.60	49.92	106.63	-7,180.39	2,131.72	7,730.00	7,662.11	67.89	113.862		
3,200.00	2,981.67	3,001.33	2,998.67	19.69	51.41	106.97	-7,180.39	2,131.72	7,749.20	7,678.81	70.39	110.090		
3,300.00	3,064.48	3,081.48	3,081.48	20.79	52.81	107.30	-7,180.39	2,131.72	7,768.76	7,695.96	72.80	106.716		
3,400.00	3,147.30	3,164.30	3,164.30	21.90	54.26	107.63	-7,180.39	2,131.72	7,788.66	7,713.41	75.25	103.499		
3,500.00	3,230.11	3,247.11	3,247.11	23.00	55.70	107.96	-7,180.39	2,131.72	7,808.92	7,731.22	77.71	100.490		
3,600.00	3,312.92	3,329.92	3,329.92	24.12	57.15	108.29	-7,180.39	2,131.72	7,829.53	7,749.37	80.16	97.672		
3,700.00	3,395.74	3,412.74	3,412.74	25.23	58.59	108.62	-7,180.39	2,131.72	7,850.49	7,767.87	82.61	95.026		
3,800.00	3,478.55	3,504.45	3,495.55	26.35	60.20	108.95	-7,180.39	2,131.72	7,871.79	7,786.57	85.22	92.372		
3,900.00	3,561.36	3,578.36	3,578.36	27.47	61.49	109.28	-7,180.39	2,131.72	7,893.43	7,805.92	87.51	90.200		
4,000.00	3,644.18	3,661.18	3,661.18	28.59	62.93	109.60	-7,180.39	2,131.72	7,915.40	7,825.45	89.95	87.994		
4,100.00	3,726.99	3,743.99	3,743.99	29.72	64.38	109.93	-7,180.39	2,131.72	7,937.71	7,845.32	92.39	85.911		
4,200.00	3,809.81	3,826.81	3,826.81	30.85	65.82	110.25	-7,180.39	2,131.72	7,960.36	7,865.53	94.83	83.942		
4,300.00	3,892.62	3,909.62	3,909.62	31.98	67.27	110.57	-7,180.39	2,131.72	7,983.33	7,886.07	97.26	82.078		
4,400.00	3,975.43	4,007.57	3,992.43	33.11	68.98	110.89	-7,180.39	2,131.72	8,006.63	7,906.67	99.96	80.100		
4,500.00	4,058.25	4,075.25	4,075.25	34.24	70.16	111.21	-7,180.39	2,131.72	8,030.25	7,928.14	102.12	78.636		
4,600.00	4,141.06	4,158.06	4,158.06	35.37	71.60	111.53	-7,180.39	2,131.72	8,054.20	7,949.66	104.54	77.045		
4,700.00	4,223.87	4,240.87	4,240.87	36.50	73.05	111.84	-7,180.39	2,131.72	8,078.46	7,971.51	106.96	75.531		
4,800.00	4,306.69	4,323.69	4,323.69	37.64	74.49	112.16	-7,180.39	2,131.72	8,103.04	7,993.67	109.37	74.090		
4,900.00	4,389.50	4,406.50	4,406.50	38.77	75.94	112.47	-7,180.39	2,131.72	8,127.93	8,016.15	111.77	72.718		
5,000.00	4,472.32	4,489.32	4,489.32	39.91	77.38	112.78	-7,180.39	2,131.72	8,153.13	8,038.95	114.18	71.408		
5,100.00	4,555.13	4,572.13	4,572.13	41.05	78.83	113.09	-7,180.39	2,131.72	8,178.63	8,062.06	116.57	70.159		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT CRANDELL E UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,654.94	4,654.94	42.18	80.28	113.40	-7,180.39	2,131.72	8,204.44	8,085.48	118.97	68.965		
5,300.00	4,720.76	4,737.76	4,737.76	43.32	81.72	113.71	-7,180.39	2,131.72	8,230.55	8,109.20	121.35	67.824		
5,400.00	4,803.57	4,820.57	4,820.57	44.46	83.17	114.01	-7,180.39	2,131.72	8,256.96	8,133.22	123.73	66.731		
5,500.00	4,886.39	4,903.39	4,903.39	45.60	84.61	114.32	-7,180.39	2,131.72	8,283.66	8,157.55	126.11	65.685		
5,600.00	4,969.20	4,986.20	4,986.20	46.74	86.06	114.62	-7,180.39	2,131.72	8,310.66	8,182.17	128.48	64.683		
5,700.00	5,052.01	5,069.01	5,069.01	47.88	87.50	114.92	-7,180.39	2,131.72	8,337.94	8,207.09	130.85	63.722		
5,800.00	5,134.83	5,151.83	5,151.83	49.02	88.95	115.22	-7,180.39	2,131.72	8,365.51	8,232.30	133.21	62.799		
5,900.00	5,217.64	5,234.64	5,234.64	50.16	90.39	115.52	-7,180.39	2,131.72	8,393.37	8,257.80	135.57	61.913		
6,000.00	5,300.45	5,317.45	5,317.45	51.30	91.84	115.82	-7,180.39	2,131.72	8,421.50	8,283.59	137.92	61.062		
6,100.00	5,383.27	5,400.27	5,400.27	52.45	93.28	116.11	-7,180.39	2,131.72	8,449.92	8,309.66	140.26	60.244		
6,200.00	5,466.08	5,483.08	5,483.08	53.59	94.73	116.41	-7,180.39	2,131.72	8,478.61	8,336.01	142.60	59.456		
6,300.00	5,548.90	5,565.90	5,565.90	54.73	96.17	116.70	-7,180.39	2,131.72	8,507.57	8,362.63	144.94	58.699		
6,400.00	5,631.71	5,648.71	5,648.71	55.87	97.62	116.99	-7,180.39	2,131.72	8,536.80	8,389.54	147.27	57.969		
6,500.00	5,714.52	5,731.52	5,731.52	57.02	99.07	117.28	-7,180.39	2,131.72	8,566.30	8,416.71	149.59	57.265		
6,600.00	5,797.34	5,814.34	5,814.34	58.16	100.51	117.57	-7,180.39	2,131.72	8,596.06	8,444.16	151.91	56.587		
6,700.00	5,880.15	5,902.85	5,897.15	59.30	102.06	117.86	-7,180.39	2,131.72	8,626.09	8,471.77	154.32	55.897		
6,800.00	5,962.96	5,979.96	5,979.96	60.45	103.40	118.14	-7,180.39	2,131.72	8,656.37	8,499.84	156.53	55.302		
6,900.00	6,045.78	6,062.78	6,062.78	61.59	104.85	118.43	-7,180.39	2,131.72	8,686.91	8,528.08	158.83	54.692		
7,000.00	6,128.59	6,145.59	6,145.59	62.73	106.29	118.71	-7,180.39	2,131.72	8,717.70	8,556.58	161.13	54.104		
7,100.00	6,211.41	6,228.41	6,228.41	63.88	107.74	118.99	-7,180.39	2,131.72	8,748.75	8,585.33	163.42	53.535		
7,200.00	6,294.22	6,311.22	6,311.22	65.02	109.18	119.27	-7,180.39	2,131.72	8,780.04	8,614.33	165.71	52.985		
7,300.00	6,377.03	6,405.97	6,394.03	66.17	110.84	119.54	-7,180.39	2,131.72	8,811.58	8,643.38	168.20	52.388		
7,400.00	6,459.85	6,476.85	6,476.85	67.31	112.07	119.82	-7,180.39	2,131.72	8,843.36	8,673.09	170.27	51.939		
7,500.00	6,542.66	6,559.66	6,559.66	68.46	113.52	120.10	-7,180.39	2,131.72	8,875.38	8,702.84	172.54	51.441		
7,600.00	6,625.48	6,642.48	6,642.48	69.60	114.96	120.37	-7,180.39	2,131.72	8,907.64	8,732.83	174.80	50.958		
7,700.00	6,708.29	6,725.29	6,725.29	70.75	116.41	120.64	-7,180.39	2,131.72	8,940.13	8,763.07	177.06	50.491		
7,800.00	6,791.10	6,808.10	6,808.10	71.89	117.86	120.91	-7,180.39	2,131.72	8,972.85	8,793.54	179.32	50.039		
7,900.00	6,873.92	6,909.08	6,890.92	73.04	119.62	121.18	-7,180.39	2,131.72	9,005.81	8,823.92	181.89	49.514		
8,000.00	6,956.73	6,973.73	6,973.73	74.18	120.75	121.45	-7,180.39	2,131.72	9,038.99	8,855.18	183.81	49.175		
8,100.00	7,039.54	7,056.54	7,056.54	75.33	122.19	121.71	-7,180.39	2,131.72	9,072.40	8,886.35	186.05	48.762		
8,165.32	7,093.63	7,110.63	7,110.63	76.08	123.14	121.88	-7,180.39	2,131.72	9,094.34	8,906.83	187.51	48.499		
8,200.00	7,122.60	7,139.60	7,139.60	76.47	123.64	117.04	-7,180.39	2,131.72	9,105.04	8,916.74	188.30	48.355		
8,250.00	7,165.05	7,182.05	7,182.05	77.01	124.38	109.39	-7,180.39	2,131.72	9,116.98	8,927.53	189.44	48.125		
8,300.00	7,208.03	7,225.03	7,225.03	77.52	125.13	101.15	-7,180.39	2,131.72	9,124.72	8,934.11	190.61	47.871		
8,350.00	7,251.22	7,268.22	7,268.22	77.99	125.89	92.69	-7,180.39	2,131.72	9,128.23	8,936.45	191.78	47.598		
8,400.00	7,294.28	7,311.28	7,311.28	78.41	126.64	84.44	-7,180.39	2,131.72	9,127.46	8,934.52	192.94	47.307		
8,450.00	7,336.90	7,353.90	7,353.90	78.78	127.38	76.79	-7,180.39	2,131.72	9,122.44	8,928.36	194.09	47.002		
8,500.00	7,378.73	7,404.27	7,395.73	79.10	128.26	70.01	-7,180.39	2,131.72	9,113.21	8,917.85	195.35	46.650		
8,550.00	7,419.47	7,436.47	7,436.47	79.37	128.82	64.20	-7,180.39	2,131.72	9,099.82	8,903.54	196.28	46.361		
8,600.00	7,458.81	7,475.81	7,475.81	79.59	129.51	59.36	-7,180.39	2,131.72	9,082.39	8,885.07	197.32	46.030		
8,650.00	7,496.44	7,513.44	7,513.44	79.76	130.17	55.43	-7,180.39	2,131.72	9,061.04	8,862.74	198.30	45.694		
8,700.00	7,532.08	7,549.08	7,549.08	79.88	130.79	52.33	-7,180.39	2,131.72	9,035.93	8,836.71	199.22	45.356		
8,750.00	7,565.46	7,582.46	7,582.46	79.95	131.37	49.96	-7,180.39	2,131.72	9,007.25	8,807.17	200.08	45.018		
8,800.00	7,596.33	7,613.33	7,613.33	79.98	131.91	48.27	-7,180.39	2,131.72	8,975.21	8,774.34	200.87	44.681		
8,850.00	7,624.44	7,641.44	7,641.44	79.97	132.40	47.22	-7,180.39	2,131.72	8,940.04	8,738.45	201.59	44.348		
8,900.00	7,649.59	7,666.59	7,666.59	79.93	132.84	46.84	-7,180.39	2,131.72	8,902.01	8,699.78	202.23	44.019		
8,950.00	7,671.59	7,688.59	7,688.59	79.84	133.22	47.18	-7,180.39	2,131.72	8,861.40	8,658.61	202.79	43.697		
9,000.00	7,690.26	7,707.26	7,707.26	79.73	133.55	48.40	-7,180.39	2,131.72	8,818.49	8,615.22	203.27	43.383		
9,050.00	7,705.47	7,722.47	7,722.47	79.59	133.81	50.81	-7,180.39	2,131.72	8,773.63	8,569.96	203.67	43.078		
9,100.00	7,717.09	7,734.09	7,734.09	79.43	134.02	55.05	-7,180.39	2,131.72	8,727.12	8,523.14	203.98	42.784		
9,150.00	7,725.04	7,742.04	7,742.04	79.26	134.16	62.46	-7,180.39	2,131.72	8,679.33	8,475.11	204.21	42.501		
9,200.00	7,729.27	7,746.27	7,746.27	79.06	134.23	76.05	-7,180.39	2,131.72	8,630.60	8,426.23	204.36	42.232		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT CRANDELL E UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	7,747.00	7,747.00	78.93	134.24	90.00	-7,180.39	2,131.72	8,599.94	8,395.52	204.42	42.071		
9,300.00	7,730.00	7,747.00	7,747.00	78.65	134.24	90.00	-7,180.39	2,131.72	8,531.96	8,327.46	204.50	41.722		
9,400.00	7,730.00	7,747.00	7,747.00	78.26	134.24	90.00	-7,180.39	2,131.72	8,433.27	8,228.65	204.62	41.215		
9,500.00	7,730.00	7,747.00	7,747.00	77.89	134.24	90.00	-7,180.39	2,131.72	8,334.61	8,129.87	204.74	40.708		
9,600.00	7,730.00	7,747.00	7,747.00	77.53	134.24	90.00	-7,180.39	2,131.72	8,235.99	8,031.12	204.87	40.201		
9,700.00	7,730.00	7,747.00	7,747.00	77.19	134.24	90.00	-7,180.39	2,131.72	8,137.40	7,932.40	205.00	39.694		
9,800.00	7,730.00	7,747.00	7,747.00	76.88	134.24	90.00	-7,180.39	2,131.72	8,038.84	7,833.70	205.14	39.187		
9,900.00	7,730.00	7,747.00	7,747.00	76.58	134.24	90.00	-7,180.39	2,131.72	7,940.32	7,735.04	205.28	38.680		
10,000.00	7,730.00	7,747.00	7,747.00	76.30	134.24	90.00	-7,180.39	2,131.72	7,841.84	7,636.41	205.43	38.174		
10,100.00	7,730.00	7,747.00	7,747.00	76.04	134.24	90.00	-7,180.39	2,131.72	7,743.40	7,537.82	205.58	37.667		
10,200.00	7,730.00	7,747.00	7,747.00	75.79	134.24	90.00	-7,180.39	2,131.72	7,644.99	7,439.26	205.73	37.160		
10,300.00	7,730.00	7,747.00	7,747.00	75.57	134.24	90.00	-7,180.39	2,131.72	7,546.63	7,340.74	205.89	36.653		
10,400.00	7,730.00	7,747.00	7,747.00	75.36	134.24	90.00	-7,180.39	2,131.72	7,448.31	7,242.26	206.06	36.147		
10,500.00	7,730.00	7,747.00	7,747.00	75.18	134.24	90.00	-7,180.39	2,131.72	7,350.04	7,143.81	206.23	35.640		
10,600.00	7,730.00	7,747.00	7,747.00	75.01	134.24	90.00	-7,180.39	2,131.72	7,251.82	7,045.41	206.41	35.133		
10,700.00	7,730.00	7,747.00	7,747.00	74.86	134.24	90.00	-7,180.39	2,131.72	7,153.64	6,947.05	206.59	34.627		
10,800.00	7,730.00	7,747.00	7,747.00	74.74	134.24	90.00	-7,180.39	2,131.72	7,055.52	6,848.74	206.78	34.121		
10,900.00	7,730.00	7,747.00	7,747.00	74.64	134.24	90.00	-7,180.39	2,131.72	6,957.45	6,750.47	206.98	33.614		
11,000.00	7,730.00	7,747.00	7,747.00	74.56	134.24	90.00	-7,180.39	2,131.72	6,859.43	6,652.25	207.18	33.108		
11,100.00	7,730.00	7,747.00	7,747.00	74.51	134.24	90.00	-7,180.39	2,131.72	6,761.47	6,554.08	207.39	32.602		
11,200.00	7,730.00	7,747.00	7,747.00	74.48	134.24	90.00	-7,180.39	2,131.72	6,663.58	6,455.97	207.61	32.097		
11,300.00	7,730.00	7,747.00	7,747.00	74.48	134.24	90.00	-7,180.39	2,131.72	6,565.74	6,357.91	207.83	31.591		
11,400.00	7,730.00	7,747.00	7,747.00	74.50	134.24	90.00	-7,180.39	2,131.72	6,467.98	6,259.91	208.07	31.086		
11,500.00	7,730.00	7,747.00	7,747.00	74.56	134.24	90.00	-7,180.39	2,131.72	6,370.28	6,161.97	208.31	30.581		
11,600.00	7,730.00	7,747.00	7,747.00	74.66	134.24	90.00	-7,180.39	2,131.72	6,272.65	6,064.09	208.56	30.076		
11,700.00	7,730.00	7,747.00	7,747.00	74.79	134.24	90.00	-7,180.39	2,131.72	6,175.10	5,966.28	208.82	29.571		
11,800.00	7,730.00	7,747.00	7,747.00	74.96	134.24	90.00	-7,180.39	2,131.72	6,077.63	5,868.54	209.09	29.066		
11,900.00	7,730.00	7,747.00	7,747.00	75.17	134.24	90.00	-7,180.39	2,131.72	5,980.25	5,770.87	209.38	28.562		
12,000.00	7,730.00	7,747.00	7,747.00	75.43	134.24	90.00	-7,180.39	2,131.72	5,882.95	5,673.28	209.67	28.059		
12,100.00	7,730.00	7,747.00	7,747.00	75.73	134.24	90.00	-7,180.39	2,131.72	5,785.74	5,575.77	209.97	27.555		
12,200.00	7,730.00	7,747.00	7,747.00	76.09	134.24	90.00	-7,180.39	2,131.72	5,688.63	5,478.35	210.29	27.052		
12,300.00	7,730.00	7,747.00	7,747.00	76.51	134.24	90.00	-7,180.39	2,131.72	5,591.63	5,381.01	210.61	26.549		
12,400.00	7,730.00	7,747.00	7,747.00	76.97	134.24	90.00	-7,180.39	2,131.72	5,494.73	5,283.77	210.95	26.047		
12,500.00	7,730.00	7,747.00	7,747.00	77.50	134.24	90.00	-7,180.39	2,131.72	5,397.94	5,186.63	211.31	25.545		
12,600.00	7,730.00	7,747.00	7,747.00	78.09	134.24	90.00	-7,180.39	2,131.72	5,301.27	5,089.59	211.68	25.044		
12,700.00	7,730.00	7,747.00	7,747.00	78.74	134.24	90.00	-7,180.39	2,131.72	5,204.73	4,992.66	212.07	24.543		
12,800.00	7,730.00	7,747.00	7,747.00	79.45	134.24	90.00	-7,180.39	2,131.72	5,108.32	4,895.85	212.47	24.043		
12,900.00	7,730.00	7,747.00	7,747.00	80.22	134.24	90.00	-7,180.39	2,131.72	5,012.05	4,799.17	212.89	23.543		
13,000.00	7,730.00	7,747.00	7,747.00	81.05	134.24	90.00	-7,180.39	2,131.72	4,915.93	4,702.61	213.33	23.044		
13,100.00	7,730.00	7,747.00	7,747.00	81.94	134.24	90.00	-7,180.39	2,131.72	4,819.97	4,606.19	213.78	22.546		
13,200.00	7,730.00	7,747.00	7,747.00	82.87	134.24	90.00	-7,180.39	2,131.72	4,724.18	4,509.92	214.26	22.049		
13,300.00	7,730.00	7,747.00	7,747.00	83.86	134.24	90.00	-7,180.39	2,131.72	4,628.56	4,413.80	214.76	21.552		
13,400.00	7,730.00	7,747.00	7,747.00	84.90	134.24	90.00	-7,180.39	2,131.72	4,533.14	4,317.85	215.29	21.056		
13,500.00	7,730.00	7,747.00	7,747.00	85.97	134.24	90.00	-7,180.39	2,131.72	4,437.91	4,222.08	215.84	20.561		
13,600.00	7,730.00	7,747.00	7,747.00	87.09	134.24	90.00	-7,180.39	2,131.72	4,342.90	4,126.49	216.41	20.068		
13,700.00	7,730.00	7,747.00	7,747.00	88.25	134.24	90.00	-7,180.39	2,131.72	4,248.12	4,031.11	217.01	19.575		
13,800.00	7,730.00	7,747.00	7,747.00	89.44	134.24	90.00	-7,180.39	2,131.72	4,153.58	3,935.94	217.65	19.084		
13,900.00	7,730.00	7,747.00	7,747.00	90.66	134.24	90.00	-7,180.39	2,131.72	4,059.31	3,841.00	218.31	18.594		
14,000.00	7,730.00	7,747.00	7,747.00	91.92	134.24	90.00	-7,180.39	2,131.72	3,965.32	3,746.30	219.01	18.106		
14,100.00	7,730.00	7,747.00	7,747.00	93.20	134.24	90.00	-7,180.39	2,131.72	3,871.62	3,651.88	219.75	17.619		
14,200.00	7,730.00	7,747.00	7,747.00	94.50	134.24	90.00	-7,180.39	2,131.72	3,778.25	3,557.73	220.52	17.133		
14,300.00	7,730.00	7,747.00	7,747.00	95.83	134.24	90.00	-7,180.39	2,131.72	3,685.23	3,463.90	221.33	16.650		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT CRANDELL E UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,400.00	7,730.00	7,747.00	7,747.00	97.17	134.24	90.00	-7,180.39	2,131.72	3,592.58	3,370.39	222.19	16.169		
14,500.00	7,730.00	7,747.00	7,747.00	98.54	134.24	90.00	-7,180.39	2,131.72	3,500.34	3,277.24	223.10	15.690		
14,600.00	7,730.00	7,747.00	7,747.00	99.92	134.24	90.00	-7,180.39	2,131.72	3,408.54	3,184.48	224.06	15.213		
14,700.00	7,730.00	7,747.00	7,747.00	101.32	134.24	90.00	-7,180.39	2,131.72	3,317.20	3,092.14	225.06	14.739		
14,800.00	7,730.00	7,747.00	7,747.00	102.74	134.24	90.00	-7,180.39	2,131.72	3,226.39	3,000.26	226.13	14.268		
14,900.00	7,730.00	7,747.00	7,747.00	104.17	134.24	90.00	-7,180.39	2,131.72	3,136.13	2,908.87	227.26	13.800		
15,000.00	7,730.00	7,747.00	7,747.00	105.62	134.24	90.00	-7,180.39	2,131.72	3,046.48	2,818.03	228.45	13.335		
15,100.00	7,730.00	7,747.00	7,747.00	107.07	134.24	90.00	-7,180.39	2,131.72	2,957.49	2,727.78	229.72	12.874		
15,200.00	7,730.00	7,747.00	7,747.00	108.54	134.24	90.00	-7,180.39	2,131.72	2,869.23	2,638.18	231.06	12.418		
15,300.00	7,730.00	7,747.00	7,747.00	110.02	134.24	90.00	-7,180.39	2,131.72	2,781.77	2,549.30	232.47	11.966		
15,400.00	7,730.00	7,747.00	7,747.00	111.51	134.24	90.00	-7,180.39	2,131.72	2,695.18	2,461.20	233.97	11.519		
15,500.00	7,730.00	7,747.00	7,747.00	113.01	134.24	90.00	-7,180.39	2,131.72	2,609.54	2,373.98	235.56	11.078		
15,600.00	7,730.00	7,747.00	7,747.00	114.52	134.24	90.00	-7,180.39	2,131.72	2,524.96	2,287.72	237.25	10.643		
15,700.00	7,730.00	7,747.00	7,747.00	116.04	134.24	90.00	-7,180.39	2,131.72	2,441.55	2,202.52	239.03	10.215		
15,800.00	7,730.00	7,747.00	7,747.00	117.56	134.24	90.00	-7,180.39	2,131.72	2,359.43	2,118.52	240.91	9.794		
15,900.00	7,730.00	7,747.00	7,747.00	119.09	134.24	90.00	-7,180.39	2,131.72	2,278.73	2,035.84	242.89	9.382		
16,000.00	7,730.00	7,747.00	7,747.00	120.63	134.24	90.00	-7,180.39	2,131.72	2,199.63	1,954.64	244.99	8.979		
16,100.00	7,730.00	7,747.00	7,747.00	122.18	134.24	90.00	-7,180.39	2,131.72	2,122.28	1,875.10	247.18	8.586		
16,200.00	7,730.00	7,747.00	7,747.00	123.73	134.24	90.00	-7,180.39	2,131.72	2,046.91	1,797.42	249.49	8.204		
16,300.00	7,730.00	7,747.00	7,747.00	125.29	134.24	90.00	-7,180.39	2,131.72	1,973.72	1,721.83	251.89	7.836		
16,400.00	7,730.00	7,747.00	7,747.00	126.86	134.24	90.00	-7,180.39	2,131.72	1,902.97	1,648.59	254.37	7.481		
16,500.00	7,730.00	7,747.00	7,747.00	128.43	134.24	90.00	-7,180.39	2,131.72	1,834.94	1,578.01	256.93	7.142		
16,600.00	7,730.00	7,747.00	7,747.00	130.01	134.24	90.00	-7,180.39	2,131.72	1,769.96	1,510.42	259.54	6.820		
16,700.00	7,730.00	7,747.00	7,747.00	131.59	134.24	90.00	-7,180.39	2,131.72	1,708.36	1,446.19	262.17	6.516		
16,800.00	7,730.00	7,747.00	7,747.00	133.18	134.24	90.00	-7,180.39	2,131.72	1,650.52	1,385.74	264.77	6.234		
16,900.00	7,730.00	7,747.00	7,747.00	134.77	134.24	90.00	-7,180.39	2,131.72	1,596.85	1,329.55	267.31	5.974		
17,000.00	7,730.00	7,747.00	7,747.00	136.37	134.24	90.00	-7,180.39	2,131.72	1,547.80	1,278.09	269.70	5.739		
17,100.00	7,730.00	7,747.00	7,747.00	137.97	134.24	90.00	-7,180.39	2,131.72	1,503.80	1,231.90	271.89	5.531		
17,200.00	7,730.00	7,747.00	7,747.00	139.57	134.24	90.00	-7,180.39	2,131.72	1,465.31	1,191.52	273.79	5.352		
17,300.00	7,730.00	7,747.00	7,747.00	141.18	134.24	90.00	-7,180.39	2,131.72	1,432.78	1,157.46	275.32	5.204		
17,400.00	7,730.00	7,747.00	7,747.00	142.79	134.24	90.00	-7,180.39	2,131.72	1,406.63	1,130.23	276.40	5.089		
17,500.00	7,730.00	7,747.00	7,747.00	144.41	134.24	90.00	-7,180.39	2,131.72	1,387.20	1,110.26	276.94	5.009		
17,600.00	7,730.00	7,747.00	7,747.00	146.03	134.24	90.00	-7,180.39	2,131.72	1,374.80	1,097.89	276.91	4.965		
17,700.00	7,730.00	7,747.00	7,747.00	147.65	134.24	90.00	-7,180.39	2,131.72	1,369.60	1,093.34	276.25	4.958 ES, SF		
17,721.34	7,730.00	7,747.00	7,747.00	148.00	134.24	90.00	-7,180.39	2,131.72	1,369.43	1,093.40	276.04	4.961 CC		
17,800.00	7,730.00	7,747.00	7,747.00	149.28	134.24	90.00	-7,180.39	2,131.72	1,371.69	1,096.70	274.99	4.988		
17,900.00	7,730.00	7,747.00	7,747.00	150.91	134.24	90.00	-7,180.39	2,131.72	1,381.04	1,107.91	273.13	5.056		
18,000.00	7,730.00	7,747.00	7,747.00	152.54	134.24	90.00	-7,180.39	2,131.72	1,397.49	1,126.75	270.75	5.162		
18,100.00	7,730.00	7,747.00	7,747.00	154.18	134.24	90.00	-7,180.39	2,131.72	1,420.82	1,152.90	267.92	5.303		
18,200.00	7,730.00	7,747.00	7,747.00	155.82	134.24	90.00	-7,180.39	2,131.72	1,450.67	1,185.94	264.73	5.480		
18,300.00	7,730.00	7,747.00	7,747.00	157.46	134.24	90.00	-7,180.39	2,131.72	1,486.67	1,225.38	261.29	5.690		
18,400.00	7,730.00	7,747.00	7,747.00	159.11	134.24	90.00	-7,180.39	2,131.72	1,528.37	1,270.68	257.69	5.931		
18,500.00	7,730.00	7,747.00	7,747.00	160.75	134.24	90.00	-7,180.39	2,131.72	1,575.33	1,321.31	254.02	6.202		
18,600.00	7,730.00	7,747.00	7,747.00	162.40	134.24	90.00	-7,180.39	2,131.72	1,627.08	1,376.73	250.34	6.499		
18,700.00	7,730.00	7,747.00	7,747.00	164.05	134.24	90.00	-7,180.39	2,131.72	1,683.19	1,436.45	246.74	6.822		
18,800.00	7,730.00	7,747.00	7,747.00	165.71	134.24	90.00	-7,180.39	2,131.72	1,743.23	1,499.99	243.24	7.167		
18,900.00	7,730.00	7,747.00	7,747.00	167.36	134.24	90.00	-7,180.39	2,131.72	1,806.81	1,566.93	239.89	7.532		
18,942.39	7,730.00	7,747.00	7,747.00	168.07	134.24	90.00	-7,180.39	2,131.72	1,834.75	1,596.23	238.51	7.692		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT GOLTL 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	140.27	-6,863.62	5,704.39	8,924.71					
100.00	100.00	68.00	68.00	0.13	0.53	140.27	-6,863.62	5,704.39	8,924.65	8,923.98	0.67	N/A		
200.00	200.00	168.00	168.00	0.49	1.97	140.27	-6,863.62	5,704.39	8,924.65	8,922.19	2.47	3,620.370		
300.00	300.00	268.00	268.00	0.85	3.72	140.27	-6,863.62	5,704.39	8,924.65	8,920.08	4.57	1,953.338		
400.00	400.00	368.00	368.00	1.21	5.46	140.27	-6,863.62	5,704.39	8,924.65	8,917.98	6.67	1,337.483		
500.00	500.00	468.00	468.00	1.57	7.21	140.27	-6,863.62	5,704.39	8,924.65	8,915.87	8.78	1,016.878		
600.00	600.00	568.00	568.00	1.93	8.95	140.27	-6,863.62	5,704.39	8,924.65	8,913.77	10.88	820.256		
700.00	700.00	668.00	668.00	2.29	10.70	140.27	-6,863.62	5,704.39	8,924.65	8,911.67	12.98	687.351		
800.00	800.00	768.00	768.00	2.64	12.44	140.27	-6,863.62	5,704.39	8,924.65	8,909.56	15.09	591.509		
900.00	899.98	867.98	867.98	3.00	14.19	80.70	-6,863.62	5,704.39	8,924.37	8,907.18	17.19	519.244		
1,000.00	999.84	967.84	967.84	3.35	15.93	80.75	-6,863.62	5,704.39	8,923.52	8,904.24	19.28	462.767		
1,100.00	1,099.45	1,067.45	1,067.45	3.71	17.67	80.83	-6,863.62	5,704.39	8,922.12	8,900.74	21.38	417.304		
1,200.00	1,198.70	1,166.70	1,166.70	4.08	19.40	80.95	-6,863.62	5,704.39	8,920.18	8,896.70	23.48	379.881		
1,300.00	1,297.47	1,265.47	1,265.47	4.47	21.13	81.09	-6,863.62	5,704.39	8,917.71	8,892.12	25.59	348.496		
1,400.00	1,395.62	1,363.62	1,363.62	4.87	22.84	81.27	-6,863.62	5,704.39	8,914.73	8,887.02	27.71	321.751		
1,500.00	1,493.06	1,461.06	1,461.06	5.31	24.54	81.48	-6,863.62	5,704.39	8,911.27	8,881.43	29.84	298.651		
1,600.00	1,589.64	1,557.64	1,557.64	5.77	26.23	81.72	-6,863.62	5,704.39	8,907.36	8,875.37	31.99	278.463		
1,700.00	1,685.27	1,653.27	1,653.27	6.28	27.90	81.98	-6,863.62	5,704.39	8,903.03	8,868.87	34.16	260.642		
1,800.00	1,779.82	1,747.82	1,747.82	6.83	29.55	82.27	-6,863.62	5,704.39	8,898.32	8,861.96	36.35	244.772		
1,900.00	1,873.17	1,841.17	1,841.17	7.43	31.17	82.58	-6,863.62	5,704.39	8,893.26	8,854.69	38.58	230.534		
2,000.00	1,965.21	1,933.21	1,933.21	8.08	32.78	82.92	-6,863.62	5,704.39	8,887.92	8,847.09	40.83	217.677		
2,100.00	2,055.84	2,023.84	2,023.84	8.79	34.36	83.28	-6,863.62	5,704.39	8,882.32	8,839.21	43.12	206.003		
2,200.00	2,144.94	2,112.94	2,112.94	9.56	35.92	83.65	-6,863.62	5,704.39	8,876.53	8,831.10	45.44	195.352		
2,300.00	2,232.39	2,200.39	2,200.39	10.39	37.44	84.04	-6,863.62	5,704.39	8,870.61	8,822.81	47.80	185.594		
2,400.00	2,318.11	2,286.11	2,286.11	11.30	38.94	84.45	-6,863.62	5,704.39	8,864.59	8,814.40	50.19	176.623		
2,504.60	2,405.78	2,373.78	2,373.78	12.31	40.47	84.88	-6,863.62	5,704.39	8,858.28	8,805.55	52.73	167.986		
2,600.00	2,484.79	2,452.79	2,452.79	13.28	41.85	85.17	-6,863.62	5,704.39	8,852.69	8,797.61	55.08	160.723		
2,700.00	2,567.60	2,535.60	2,535.60	14.32	43.29	85.47	-6,863.62	5,704.39	8,847.17	8,789.61	57.56	153.696		
2,800.00	2,650.41	2,618.41	2,618.41	15.37	44.74	85.77	-6,863.62	5,704.39	8,842.01	8,781.95	60.06	147.214		
2,900.00	2,733.23	2,701.23	2,701.23	16.44	46.19	86.07	-6,863.62	5,704.39	8,837.20	8,774.62	62.58	141.225		
3,000.00	2,816.04	2,784.04	2,784.04	17.52	47.63	86.37	-6,863.62	5,704.39	8,832.74	8,767.64	65.10	135.680		
3,100.00	2,898.85	2,866.85	2,866.85	18.60	49.08	86.67	-6,863.62	5,704.39	8,828.63	8,761.00	67.63	130.536		
3,200.00	2,981.67	2,949.67	2,949.67	19.69	50.52	86.97	-6,863.62	5,704.39	8,824.88	8,754.71	70.18	125.755		
3,300.00	3,064.48	3,032.48	3,032.48	20.79	51.97	87.27	-6,863.62	5,704.39	8,821.48	8,748.76	72.72	121.302		
3,400.00	3,147.30	3,115.30	3,115.30	21.90	53.41	87.57	-6,863.62	5,704.39	8,818.44	8,743.17	75.28	117.147		
3,500.00	3,230.11	3,201.89	3,198.11	23.00	54.92	87.88	-6,863.62	5,704.39	8,815.76	8,737.86	77.90	113.166		
3,600.00	3,312.92	3,280.92	3,280.92	24.12	56.30	88.18	-6,863.62	5,704.39	8,813.43	8,733.03	80.40	109.624		
3,700.00	3,395.74	3,363.74	3,363.74	25.23	57.75	88.48	-6,863.62	5,704.39	8,811.45	8,728.49	82.96	106.210		
3,800.00	3,478.55	3,446.55	3,446.55	26.35	59.19	88.78	-6,863.62	5,704.39	8,809.83	8,724.30	85.53	103.002		
3,900.00	3,561.36	3,529.36	3,529.36	27.47	60.64	89.08	-6,863.62	5,704.39	8,808.57	8,720.47	88.10	99.983		
4,000.00	3,644.18	3,612.18	3,612.18	28.59	62.08	89.38	-6,863.62	5,704.39	8,807.67	8,716.99	90.67	97.137		
4,100.00	3,726.99	3,705.01	3,694.99	29.72	63.70	89.69	-6,863.62	5,704.39	8,807.12	8,713.70	93.42	94.273		
4,200.00	3,809.81	3,777.81	3,777.81	30.85	64.98	89.99	-6,863.62	5,704.39	8,806.92	8,711.10	95.82	91.910		
4,203.84	3,812.99	3,780.99	3,780.99	30.89	65.03	90.00	-6,863.62	5,704.39	8,806.92	8,711.00	95.92	91.815		
4,300.00	3,892.62	3,860.62	3,860.62	31.98	66.42	90.29	-6,863.62	5,704.39	8,807.09	8,708.69	98.40	89.506		
4,400.00	3,975.43	3,943.43	3,943.43	33.11	67.87	90.59	-6,863.62	5,704.39	8,807.61	8,706.64	100.97	87.228		
4,500.00	4,058.25	4,026.25	4,026.25	34.24	69.31	90.89	-6,863.62	5,704.39	8,808.49	8,704.94	103.55	85.067		
4,600.00	4,141.06	4,109.06	4,109.06	35.37	70.76	91.20	-6,863.62	5,704.39	8,809.72	8,703.60	106.12	83.013		
4,700.00	4,223.87	4,208.13	4,191.87	36.50	72.49	91.50	-6,863.62	5,704.39	8,811.31	8,702.33	108.98	80.850		
4,800.00	4,306.69	4,274.69	4,274.69	37.64	73.65	91.80	-6,863.62	5,704.39	8,813.26	8,701.99	111.28	79.202		
4,900.00	4,389.50	4,357.50	4,357.50	38.77	75.09	92.10	-6,863.62	5,704.39	8,815.56	8,701.71	113.85	77.432		
5,000.00	4,472.32	4,440.32	4,440.32	39.91	76.54	92.40	-6,863.62	5,704.39	8,818.22	8,701.80	116.42	75.743		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT GOLTL 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,523.13	4,523.13	41.05	77.98	92.70	-6,863.62	5,704.39	8,821.24	8,702.24	119.00	74.130		
5,200.00	4,637.94	4,605.94	4,605.94	42.18	79.43	93.01	-6,863.62	5,704.39	8,824.61	8,703.04	121.57	72.590		
5,300.00	4,720.76	4,688.76	4,688.76	43.32	80.87	93.31	-6,863.62	5,704.39	8,828.33	8,704.19	124.14	71.117		
5,400.00	4,803.57	4,771.57	4,771.57	44.46	82.32	93.61	-6,863.62	5,704.39	8,832.41	8,705.70	126.71	69.707		
5,500.00	4,886.39	4,854.39	4,854.39	45.60	83.77	93.91	-6,863.62	5,704.39	8,836.84	8,707.57	129.27	68.357		
5,600.00	4,969.20	4,937.20	4,937.20	46.74	85.21	94.21	-6,863.62	5,704.39	8,841.63	8,709.79	131.84	67.064		
5,700.00	5,052.01	5,020.01	5,020.01	47.88	86.66	94.51	-6,863.62	5,704.39	8,846.76	8,712.36	134.40	65.823		
5,800.00	5,134.83	5,042.00	5,042.00	49.02	87.04	94.59	-6,863.62	5,704.39	8,852.46	8,716.57	135.89	65.142		
5,900.00	5,217.64	5,042.00	5,042.00	50.16	87.04	94.59	-6,863.62	5,704.39	8,859.26	8,722.27	136.99	64.673		
6,000.00	5,300.45	5,042.00	5,042.00	51.30	87.04	94.59	-6,863.62	5,704.39	8,867.18	8,729.11	138.06	64.225		
6,100.00	5,383.27	5,042.00	5,042.00	52.45	87.04	94.59	-6,863.62	5,704.39	8,876.21	8,737.09	139.13	63.800		
6,200.00	5,466.08	5,042.00	5,042.00	53.59	87.04	94.59	-6,863.62	5,704.39	8,886.37	8,746.20	140.17	63.396		
6,300.00	5,548.90	5,042.00	5,042.00	54.73	87.04	94.59	-6,863.62	5,704.39	8,897.64	8,756.43	141.20	63.013		
6,400.00	5,631.71	5,042.00	5,042.00	55.87	87.04	94.59	-6,863.62	5,704.39	8,910.01	8,767.79	142.22	62.651		
6,500.00	5,714.52	5,042.00	5,042.00	57.02	87.04	94.59	-6,863.62	5,704.39	8,923.49	8,780.28	143.22	62.308		
6,600.00	5,797.34	5,042.00	5,042.00	58.16	87.04	94.59	-6,863.62	5,704.39	8,938.07	8,793.87	144.20	61.985		
6,700.00	5,880.15	5,042.00	5,042.00	59.30	87.04	94.59	-6,863.62	5,704.39	8,953.74	8,808.58	145.16	61.681		
6,800.00	5,962.96	5,042.00	5,042.00	60.45	87.04	94.59	-6,863.62	5,704.39	8,970.50	8,824.39	146.11	61.396		
6,900.00	6,045.78	5,042.00	5,042.00	61.59	87.04	94.59	-6,863.62	5,704.39	8,988.34	8,841.30	147.04	61.128		
7,000.00	6,128.59	5,042.00	5,042.00	62.73	87.04	94.59	-6,863.62	5,704.39	9,007.25	8,859.30	147.95	60.879		
7,100.00	6,211.41	5,042.00	5,042.00	63.88	87.04	94.59	-6,863.62	5,704.39	9,027.23	8,878.38	148.85	60.647		
7,200.00	6,294.22	5,042.00	5,042.00	65.02	87.04	94.59	-6,863.62	5,704.39	9,048.28	8,898.55	149.73	60.431		
7,300.00	6,377.03	5,042.00	5,042.00	66.17	87.04	94.59	-6,863.62	5,704.39	9,070.37	8,919.78	150.59	60.232		
7,400.00	6,459.85	5,042.00	5,042.00	67.31	87.04	94.59	-6,863.62	5,704.39	9,093.52	8,942.08	151.43	60.050		
7,500.00	6,542.66	5,042.00	5,042.00	68.46	87.04	94.59	-6,863.62	5,704.39	9,117.70	8,965.44	152.26	59.883		
7,600.00	6,625.48	5,042.00	5,042.00	69.60	87.04	94.59	-6,863.62	5,704.39	9,142.91	8,989.84	153.07	59.731		
7,700.00	6,708.29	5,042.00	5,042.00	70.75	87.04	94.59	-6,863.62	5,704.39	9,169.14	9,015.28	153.86	59.595		
7,800.00	6,791.10	5,042.00	5,042.00	71.89	87.04	94.59	-6,863.62	5,704.39	9,196.39	9,041.76	154.63	59.473		
7,900.00	6,873.92	5,042.00	5,042.00	73.04	87.04	94.59	-6,863.62	5,704.39	9,224.64	9,069.25	155.39	59.365		
8,000.00	6,956.73	5,042.00	5,042.00	74.18	87.04	94.59	-6,863.62	5,704.39	9,253.88	9,097.75	156.13	59.272		
8,100.00	7,039.54	5,042.00	5,042.00	75.33	87.04	94.59	-6,863.62	5,704.39	9,284.11	9,127.26	156.85	59.192		
8,165.32	7,093.63	5,042.00	5,042.00	76.08	87.04	94.59	-6,863.62	5,704.39	9,304.38	9,147.07	157.31	59.147		
8,200.00	7,122.60	5,042.00	5,042.00	76.47	87.04	90.15	-6,863.62	5,704.39	9,314.38	9,156.83	157.55	59.121		
8,250.00	7,165.05	5,042.00	5,042.00	77.01	87.04	82.90	-6,863.62	5,704.39	9,325.67	9,167.80	157.88	59.070		
8,300.00	7,208.03	5,042.00	5,042.00	77.52	87.04	74.88	-6,863.62	5,704.39	9,333.22	9,175.04	158.18	59.004		
8,350.00	7,251.22	5,042.00	5,042.00	77.99	87.04	66.45	-6,863.62	5,704.39	9,336.98	9,178.52	158.46	58.924		
8,400.00	7,294.28	5,042.00	5,042.00	78.41	87.04	58.05	-6,863.62	5,704.39	9,336.91	9,178.21	158.70	58.833		
8,450.00	7,336.90	5,042.00	5,042.00	78.78	87.04	50.07	-6,863.62	5,704.39	9,333.02	9,174.11	158.91	58.732		
8,500.00	7,378.73	5,042.00	5,042.00	79.10	87.04	42.77	-6,863.62	5,704.39	9,325.34	9,166.27	159.08	58.622		
8,550.00	7,419.47	5,042.00	5,042.00	79.37	87.04	36.24	-6,863.62	5,704.39	9,313.92	9,154.71	159.21	58.502		
8,600.00	7,458.81	5,042.00	5,042.00	79.59	87.04	30.45	-6,863.62	5,704.39	9,298.82	9,139.52	159.30	58.375		
8,650.00	7,496.44	5,042.00	5,042.00	79.76	87.04	25.31	-6,863.62	5,704.39	9,280.15	9,120.80	159.35	58.239		
8,700.00	7,532.08	5,042.00	5,042.00	79.88	87.04	20.69	-6,863.62	5,704.39	9,258.02	9,098.66	159.36	58.096		
8,750.00	7,565.46	5,042.00	5,042.00	79.95	87.04	16.45	-6,863.62	5,704.39	9,232.59	9,073.25	159.33	57.945		
8,800.00	7,596.33	5,042.00	5,042.00	79.98	87.04	12.44	-6,863.62	5,704.39	9,204.01	9,044.73	159.28	57.786		
8,850.00	7,624.44	5,042.00	5,042.00	79.97	87.04	8.52	-6,863.62	5,704.39	9,172.48	9,013.29	159.19	57.620		
8,900.00	7,649.59	5,042.00	5,042.00	79.93	87.04	4.52	-6,863.62	5,704.39	9,138.21	8,979.13	159.08	57.446		
8,950.00	7,671.59	5,042.00	5,042.00	79.84	87.04	0.29	-6,863.62	5,704.39	9,101.42	8,942.49	158.94	57.265		
9,000.00	7,690.26	5,042.00	5,042.00	79.73	87.04	-4.38	-6,863.62	5,704.39	9,062.38	8,903.60	158.78	57.076		
9,050.00	7,705.47	5,042.00	5,042.00	79.59	87.04	-9.75	-6,863.62	5,704.39	9,021.34	8,862.74	158.60	56.881		
9,100.00	7,717.09	5,042.00	5,042.00	79.43	87.04	-16.10	-6,863.62	5,704.39	8,978.61	8,820.20	158.41	56.679		
9,150.00	7,725.04	5,042.00	5,042.00	79.26	87.04	-23.78	-6,863.62	5,704.39	8,934.47	8,776.26	158.21	56.471		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT GOLTL 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	5,042.00	5,042.00	79.06	87.04	-33.05	-6,863.62	5,704.39	8,889.25	8,731.24	158.01	56.257		
9,231.13	7,730.00	5,042.00	5,042.00	78.93	87.04	-39.66	-6,863.62	5,704.39	8,860.69	8,702.81	157.88	56.122		
9,300.00	7,730.00	5,042.00	5,042.00	78.65	87.04	-39.66	-6,863.62	5,704.39	8,797.30	8,639.70	157.60	55.820		
9,400.00	7,730.00	5,042.00	5,042.00	78.26	87.04	-39.66	-6,863.62	5,704.39	8,705.40	8,548.22	157.18	55.384		
9,500.00	7,730.00	5,042.00	5,042.00	77.89	87.04	-39.66	-6,863.62	5,704.39	8,613.68	8,456.92	156.76	54.949		
9,600.00	7,730.00	5,042.00	5,042.00	77.53	87.04	-39.66	-6,863.62	5,704.39	8,522.15	8,365.82	156.33	54.515		
9,700.00	7,730.00	5,042.00	5,042.00	77.19	87.04	-39.66	-6,863.62	5,704.39	8,430.81	8,274.92	155.89	54.082		
9,800.00	7,730.00	5,042.00	5,042.00	76.88	87.04	-39.66	-6,863.62	5,704.39	8,339.67	8,184.22	155.44	53.650		
9,900.00	7,730.00	5,042.00	5,042.00	76.58	87.04	-39.66	-6,863.62	5,704.39	8,248.73	8,093.74	154.99	53.220		
10,000.00	7,730.00	5,042.00	5,042.00	76.30	87.04	-39.66	-6,863.62	5,704.39	8,158.00	8,003.47	154.53	52.791		
10,100.00	7,730.00	5,042.00	5,042.00	76.04	87.04	-39.66	-6,863.62	5,704.39	8,067.50	7,913.43	154.07	52.363		
10,200.00	7,730.00	5,042.00	5,042.00	75.79	87.04	-39.66	-6,863.62	5,704.39	7,977.22	7,823.62	153.60	51.936		
10,300.00	7,730.00	5,042.00	5,042.00	75.57	87.04	-39.66	-6,863.62	5,704.39	7,887.17	7,734.06	153.12	51.511		
10,400.00	7,730.00	5,042.00	5,042.00	75.36	87.04	-39.66	-6,863.62	5,704.39	7,797.37	7,644.74	152.63	51.087		
10,500.00	7,730.00	5,042.00	5,042.00	75.18	87.04	-39.66	-6,863.62	5,704.39	7,707.82	7,555.69	152.14	50.664		
10,600.00	7,730.00	5,042.00	5,042.00	75.01	87.04	-39.66	-6,863.62	5,704.39	7,618.53	7,466.90	151.64	50.242		
10,700.00	7,730.00	5,042.00	5,042.00	74.86	87.04	-39.66	-6,863.62	5,704.39	7,529.51	7,378.38	151.13	49.822		
10,800.00	7,730.00	5,042.00	5,042.00	74.74	87.04	-39.66	-6,863.62	5,704.39	7,440.77	7,290.15	150.61	49.403		
10,900.00	7,730.00	5,042.00	5,042.00	74.64	87.04	-39.66	-6,863.62	5,704.39	7,352.31	7,202.22	150.09	48.985		
11,000.00	7,730.00	5,042.00	5,042.00	74.56	87.04	-39.66	-6,863.62	5,704.39	7,264.16	7,114.59	149.57	48.568		
11,100.00	7,730.00	5,042.00	5,042.00	74.51	87.04	-39.66	-6,863.62	5,704.39	7,176.32	7,027.28	149.04	48.152		
11,200.00	7,730.00	5,042.00	5,042.00	74.48	87.04	-39.66	-6,863.62	5,704.39	7,088.79	6,940.30	148.50	47.737		
11,300.00	7,730.00	5,042.00	5,042.00	74.48	87.04	-39.66	-6,863.62	5,704.39	7,001.61	6,853.65	147.95	47.323		
11,400.00	7,730.00	5,042.00	5,042.00	74.50	87.04	-39.66	-6,863.62	5,704.39	6,914.77	6,767.36	147.41	46.910		
11,500.00	7,730.00	5,042.00	5,042.00	74.56	87.04	-39.66	-6,863.62	5,704.39	6,828.29	6,681.43	146.85	46.498		
11,600.00	7,730.00	5,042.00	5,042.00	74.66	87.04	-39.66	-6,863.62	5,704.39	6,742.18	6,595.88	146.30	46.086		
11,700.00	7,730.00	5,042.00	5,042.00	74.79	87.04	-39.66	-6,863.62	5,704.39	6,656.46	6,510.73	145.74	45.675		
11,800.00	7,730.00	5,042.00	5,042.00	74.96	87.04	-39.66	-6,863.62	5,704.39	6,571.15	6,425.98	145.17	45.264		
11,900.00	7,730.00	5,042.00	5,042.00	75.17	87.04	-39.66	-6,863.62	5,704.39	6,486.25	6,341.65	144.61	44.854		
12,000.00	7,730.00	5,042.00	5,042.00	75.43	87.04	-39.66	-6,863.62	5,704.39	6,401.80	6,257.75	144.04	44.444		
12,100.00	7,730.00	5,042.00	5,042.00	75.73	87.04	-39.66	-6,863.62	5,704.39	6,317.79	6,174.31	143.48	44.033		
12,200.00	7,730.00	5,042.00	5,042.00	76.09	87.04	-39.66	-6,863.62	5,704.39	6,234.26	6,091.34	142.91	43.622		
12,300.00	7,730.00	5,042.00	5,042.00	76.51	87.04	-39.66	-6,863.62	5,704.39	6,151.22	6,008.86	142.35	43.211		
12,400.00	7,730.00	5,042.00	5,042.00	76.97	87.04	-39.66	-6,863.62	5,704.39	6,068.69	5,926.89	141.80	42.799		
12,500.00	7,730.00	5,042.00	5,042.00	77.50	87.04	-39.66	-6,863.62	5,704.39	5,986.69	5,845.45	141.25	42.385		
12,600.00	7,730.00	5,042.00	5,042.00	78.09	87.04	-39.66	-6,863.62	5,704.39	5,905.25	5,764.55	140.70	41.970		
12,700.00	7,730.00	5,042.00	5,042.00	78.74	87.04	-39.66	-6,863.62	5,704.39	5,824.39	5,684.22	140.17	41.553		
12,800.00	7,730.00	5,042.00	5,042.00	79.45	87.04	-39.66	-6,863.62	5,704.39	5,744.12	5,604.48	139.64	41.134		
12,900.00	7,730.00	5,042.00	5,042.00	80.22	87.04	-39.66	-6,863.62	5,704.39	5,664.49	5,525.36	139.13	40.713		
13,000.00	7,730.00	5,042.00	5,042.00	81.05	87.04	-39.66	-6,863.62	5,704.39	5,585.51	5,446.87	138.64	40.288		
13,100.00	7,730.00	5,042.00	5,042.00	81.94	87.04	-39.66	-6,863.62	5,704.39	5,507.22	5,369.05	138.17	39.860		
13,200.00	7,730.00	5,042.00	5,042.00	82.87	87.04	-39.66	-6,863.62	5,704.39	5,429.64	5,291.92	137.71	39.427		
13,300.00	7,730.00	5,042.00	5,042.00	83.86	87.04	-39.66	-6,863.62	5,704.39	5,352.80	5,215.51	137.28	38.990		
13,400.00	7,730.00	5,042.00	5,042.00	84.90	87.04	-39.66	-6,863.62	5,704.39	5,276.74	5,139.85	136.88	38.549		
13,500.00	7,730.00	5,042.00	5,042.00	85.97	87.04	-39.66	-6,863.62	5,704.39	5,201.49	5,064.97	136.52	38.102		
13,600.00	7,730.00	5,042.00	5,042.00	87.09	87.04	-39.66	-6,863.62	5,704.39	5,127.08	4,990.90	136.18	37.648		
13,700.00	7,730.00	5,042.00	5,042.00	88.25	87.04	-39.66	-6,863.62	5,704.39	5,053.56	4,917.67	135.89	37.189		
13,800.00	7,730.00	5,042.00	5,042.00	89.44	87.04	-39.66	-6,863.62	5,704.39	4,980.96	4,845.32	135.64	36.722		
13,900.00	7,730.00	5,042.00	5,042.00	90.66	87.04	-39.66	-6,863.62	5,704.39	4,909.32	4,773.89	135.43	36.249		
14,000.00	7,730.00	5,042.00	5,042.00	91.92	87.04	-39.66	-6,863.62	5,704.39	4,838.69	4,703.41	135.28	35.768		
14,100.00	7,730.00	5,042.00	5,042.00	93.20	87.04	-39.66	-6,863.62	5,704.39	4,769.11	4,633.93	135.18	35.279		
14,200.00	7,730.00	5,042.00	5,042.00	94.50	87.04	-39.66	-6,863.62	5,704.39	4,700.63	4,565.49	135.15	34.782		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT GOLTL 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	5,042.00	5,042.00	95.83	87.04	-39.66	-6,863.62	5,704.39	4,633.30	4,498.13	135.17	34.277		
14,400.00	7,730.00	5,042.00	5,042.00	97.17	87.04	-39.66	-6,863.62	5,704.39	4,567.16	4,431.89	135.26	33.765		
14,500.00	7,730.00	5,042.00	5,042.00	98.54	87.04	-39.66	-6,863.62	5,704.39	4,502.27	4,366.84	135.43	33.245		
14,600.00	7,730.00	5,042.00	5,042.00	99.92	87.04	-39.66	-6,863.62	5,704.39	4,438.69	4,303.02	135.67	32.717		
14,700.00	7,730.00	5,042.00	5,042.00	101.32	87.04	-39.66	-6,863.62	5,704.39	4,376.46	4,240.48	135.99	32.183		
14,800.00	7,730.00	5,042.00	5,042.00	102.74	87.04	-39.66	-6,863.62	5,704.39	4,315.66	4,179.27	136.39	31.643		
14,900.00	7,730.00	5,042.00	5,042.00	104.17	87.04	-39.66	-6,863.62	5,704.39	4,256.34	4,119.47	136.87	31.098		
15,000.00	7,730.00	5,042.00	5,042.00	105.62	87.04	-39.66	-6,863.62	5,704.39	4,198.56	4,061.12	137.44	30.548		
15,100.00	7,730.00	5,042.00	5,042.00	107.07	87.04	-39.66	-6,863.62	5,704.39	4,142.39	4,004.30	138.10	29.996		
15,200.00	7,730.00	5,042.00	5,042.00	108.54	87.04	-39.66	-6,863.62	5,704.39	4,087.90	3,949.05	138.85	29.442		
15,300.00	7,730.00	5,042.00	5,042.00	110.02	87.04	-39.66	-6,863.62	5,704.39	4,035.15	3,895.46	139.69	28.887		
15,400.00	7,730.00	5,042.00	5,042.00	111.51	87.04	-39.66	-6,863.62	5,704.39	3,984.21	3,843.59	140.62	28.334		
15,500.00	7,730.00	5,042.00	5,042.00	113.01	87.04	-39.66	-6,863.62	5,704.39	3,935.15	3,793.51	141.64	27.783		
15,600.00	7,730.00	5,042.00	5,042.00	114.52	87.04	-39.66	-6,863.62	5,704.39	3,888.05	3,745.30	142.75	27.237		
15,700.00	7,730.00	5,042.00	5,042.00	116.04	87.04	-39.66	-6,863.62	5,704.39	3,842.97	3,699.01	143.95	26.696		
15,800.00	7,730.00	5,042.00	5,042.00	117.56	87.04	-39.66	-6,863.62	5,704.39	3,799.99	3,654.74	145.25	26.162		
15,900.00	7,730.00	5,042.00	5,042.00	119.09	87.04	-39.66	-6,863.62	5,704.39	3,759.18	3,612.55	146.63	25.638		
16,000.00	7,730.00	5,042.00	5,042.00	120.63	87.04	-39.66	-6,863.62	5,704.39	3,720.60	3,572.51	148.09	25.124		
16,100.00	7,730.00	5,042.00	5,042.00	122.18	87.04	-39.66	-6,863.62	5,704.39	3,684.34	3,534.71	149.64	24.621		
16,200.00	7,730.00	5,042.00	5,042.00	123.73	87.04	-39.66	-6,863.62	5,704.39	3,650.46	3,499.20	151.27	24.133		
16,300.00	7,730.00	5,042.00	5,042.00	125.29	87.04	-39.66	-6,863.62	5,704.39	3,619.03	3,466.06	152.97	23.658		
16,400.00	7,730.00	5,042.00	5,042.00	126.86	87.04	-39.66	-6,863.62	5,704.39	3,590.11	3,435.36	154.75	23.200		
16,500.00	7,730.00	5,042.00	5,042.00	128.43	87.04	-39.66	-6,863.62	5,704.39	3,563.76	3,407.17	156.59	22.758		
16,600.00	7,730.00	5,042.00	5,042.00	130.01	87.04	-39.66	-6,863.62	5,704.39	3,540.04	3,381.54	158.50	22.334		
16,700.00	7,730.00	5,042.00	5,042.00	131.59	87.04	-39.66	-6,863.62	5,704.39	3,519.00	3,358.53	160.47	21.929		
16,800.00	7,730.00	5,042.00	5,042.00	133.18	87.04	-39.66	-6,863.62	5,704.39	3,500.70	3,338.20	162.49	21.544		
16,900.00	7,730.00	5,042.00	5,042.00	134.77	87.04	-39.66	-6,863.62	5,704.39	3,485.17	3,320.60	164.57	21.178		
17,000.00	7,730.00	5,042.00	5,042.00	136.37	87.04	-39.66	-6,863.62	5,704.39	3,472.45	3,305.77	166.68	20.833		
17,100.00	7,730.00	5,042.00	5,042.00	137.97	87.04	-39.66	-6,863.62	5,704.39	3,462.57	3,293.74	168.83	20.509		
17,200.00	7,730.00	5,042.00	5,042.00	139.57	87.04	-39.66	-6,863.62	5,704.39	3,455.56	3,284.55	171.01	20.207		
17,300.00	7,730.00	5,042.00	5,042.00	141.18	87.04	-39.66	-6,863.62	5,704.39	3,451.43	3,278.22	173.21	19.926		
17,392.51	7,730.00	5,042.00	5,042.00	142.67	87.04	-39.66	-6,863.62	5,704.39	3,450.19	3,274.93	175.26	19.686 CC		
17,400.00	7,730.00	5,042.00	5,042.00	142.79	87.04	-39.66	-6,863.62	5,704.39	3,450.20	3,274.77	175.43	19.668		
17,500.00	7,730.00	5,042.00	5,042.00	144.41	87.04	-39.66	-6,863.62	5,704.39	3,451.86	3,274.22	177.65	19.431 ES		
17,600.00	7,730.00	5,042.00	5,042.00	146.03	87.04	-39.66	-6,863.62	5,704.39	3,456.42	3,276.55	179.87	19.216		
17,700.00	7,730.00	5,042.00	5,042.00	147.65	87.04	-39.66	-6,863.62	5,704.39	3,463.87	3,281.78	182.08	19.024		
17,800.00	7,730.00	5,042.00	5,042.00	149.28	87.04	-39.66	-6,863.62	5,704.39	3,474.17	3,289.90	184.27	18.853		
17,900.00	7,730.00	5,042.00	5,042.00	150.91	87.04	-39.66	-6,863.62	5,704.39	3,487.31	3,300.87	186.44	18.704		
18,000.00	7,730.00	5,042.00	5,042.00	152.54	87.04	-39.66	-6,863.62	5,704.39	3,503.26	3,314.69	188.58	18.577		
18,100.00	7,730.00	5,042.00	5,042.00	154.18	87.04	-39.66	-6,863.62	5,704.39	3,521.98	3,331.31	190.67	18.471		
18,200.00	7,730.00	5,042.00	5,042.00	155.82	87.04	-39.66	-6,863.62	5,704.39	3,543.42	3,350.70	192.72	18.386		
18,300.00	7,730.00	5,042.00	5,042.00	157.46	87.04	-39.66	-6,863.62	5,704.39	3,567.54	3,372.83	194.71	18.322		
18,400.00	7,730.00	5,042.00	5,042.00	159.11	87.04	-39.66	-6,863.62	5,704.39	3,594.28	3,397.63	196.65	18.278		
18,500.00	7,730.00	5,042.00	5,042.00	160.75	87.04	-39.66	-6,863.62	5,704.39	3,623.58	3,425.06	198.52	18.253		
18,600.00	7,730.00	5,042.00	5,042.00	162.40	87.04	-39.66	-6,863.62	5,704.39	3,655.39	3,455.06	200.32	18.248 SF		
18,700.00	7,730.00	5,042.00	5,042.00	164.05	87.04	-39.66	-6,863.62	5,704.39	3,689.63	3,487.57	202.05	18.261		
18,800.00	7,730.00	5,042.00	5,042.00	165.71	87.04	-39.66	-6,863.62	5,704.39	3,726.24	3,522.53	203.71	18.292		
18,900.00	7,730.00	5,042.00	5,042.00	167.36	87.04	-39.66	-6,863.62	5,704.39	3,765.15	3,559.86	205.29	18.341		
18,942.39	7,730.00	5,042.00	5,042.00	168.07	87.04	-39.66	-6,863.62	5,704.39	3,782.32	3,576.38	205.94	18.367		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT GOLTL 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	145.13	-8,182.35	5,701.89	9,973.14					
100.00	100.00	66.00	66.00	0.13	0.54	145.13	-8,182.35	5,701.89	9,973.09	9,972.41	0.68	N/A		
200.00	200.00	166.00	166.00	0.49	1.97	145.13	-8,182.35	5,701.89	9,973.09	9,970.62	2.47	4,045.677		
300.00	300.00	266.00	266.00	0.85	3.72	145.13	-8,182.35	5,701.89	9,973.09	9,968.52	4.57	2,182.809		
400.00	400.00	366.00	366.00	1.21	5.46	145.13	-8,182.35	5,701.89	9,973.09	9,966.41	6.67	1,494.605		
500.00	500.00	466.00	466.00	1.57	7.21	145.13	-8,182.35	5,701.89	9,973.09	9,964.31	8.78	1,136.337		
600.00	600.00	566.00	566.00	1.93	8.95	145.13	-8,182.35	5,701.89	9,973.09	9,962.21	10.88	916.616		
700.00	700.00	666.00	666.00	2.29	10.70	145.13	-8,182.35	5,701.89	9,973.09	9,960.10	12.98	768.098		
800.00	800.00	766.00	766.00	2.64	12.44	145.13	-8,182.35	5,701.89	9,973.09	9,958.00	15.09	660.998		
900.00	899.98	865.98	865.98	3.00	14.19	85.56	-8,182.35	5,701.89	9,972.95	9,955.76	17.19	580.251		
1,000.00	999.84	965.84	965.84	3.35	15.93	85.59	-8,182.35	5,701.89	9,972.55	9,953.26	19.28	517.163		
1,100.00	1,099.45	1,065.45	1,065.45	3.71	17.67	85.66	-8,182.35	5,701.89	9,971.88	9,950.50	21.38	466.391		
1,200.00	1,198.70	1,164.70	1,164.70	4.08	19.40	85.74	-8,182.35	5,701.89	9,970.96	9,947.47	23.48	424.609		
1,300.00	1,297.47	1,263.47	1,263.47	4.47	21.13	85.86	-8,182.35	5,701.89	9,969.80	9,944.21	25.59	389.578		
1,400.00	1,395.62	1,361.62	1,361.62	4.87	22.84	85.99	-8,182.35	5,701.89	9,968.42	9,940.71	27.71	359.735		
1,500.00	1,493.06	1,459.06	1,459.06	5.31	24.54	86.15	-8,182.35	5,701.89	9,966.83	9,936.99	29.84	333.966		
1,600.00	1,589.64	1,555.64	1,555.64	5.77	26.23	86.33	-8,182.35	5,701.89	9,965.07	9,933.08	32.00	311.454		
1,700.00	1,685.27	1,651.27	1,651.27	6.28	27.90	86.52	-8,182.35	5,701.89	9,963.17	9,929.00	34.17	291.587		
1,800.00	1,779.82	1,745.82	1,745.82	6.83	29.55	86.74	-8,182.35	5,701.89	9,961.15	9,924.78	36.37	273.902		
1,900.00	1,873.17	1,839.17	1,839.17	7.43	31.17	86.98	-8,182.35	5,701.89	9,959.05	9,920.45	38.59	258.043		
2,000.00	1,965.21	1,931.21	1,931.21	8.08	32.78	87.23	-8,182.35	5,701.89	9,956.90	9,916.05	40.85	243.728		
2,100.00	2,055.84	2,021.84	2,021.84	8.79	34.36	87.49	-8,182.35	5,701.89	9,954.75	9,911.61	43.14	230.735		
2,200.00	2,144.94	2,110.94	2,110.94	9.56	35.92	87.76	-8,182.35	5,701.89	9,952.64	9,907.17	45.47	218.888		
2,300.00	2,232.39	2,201.61	2,198.39	10.39	37.50	88.05	-8,182.35	5,701.89	9,950.62	9,902.73	47.89	207.797		
2,400.00	2,318.11	2,284.11	2,284.11	11.30	38.94	88.34	-8,182.35	5,701.89	9,948.73	9,898.50	50.23	198.073		
2,504.60	2,405.78	2,371.78	2,371.78	12.31	40.47	88.65	-8,182.35	5,701.89	9,946.94	9,894.17	52.77	188.482		
2,600.00	2,484.79	2,450.79	2,450.79	13.28	41.85	88.91	-8,182.35	5,701.89	9,945.56	9,890.44	55.12	180.419		
2,700.00	2,567.60	2,533.60	2,533.60	14.32	43.29	89.17	-8,182.35	5,701.89	9,944.43	9,886.82	57.61	172.620		
2,800.00	2,650.41	2,616.41	2,616.41	15.37	44.74	89.44	-8,182.35	5,701.89	9,943.61	9,883.50	60.11	165.428		
2,900.00	2,733.23	2,700.77	2,699.23	16.44	46.21	89.71	-8,182.35	5,701.89	9,943.11	9,880.46	62.65	158.713		
3,000.00	2,816.04	2,782.04	2,782.04	17.52	47.63	89.98	-8,182.35	5,701.89	9,942.92	9,877.78	65.14	152.629		
3,008.99	2,823.49	2,789.49	2,789.49	17.61	47.76	90.00	-8,182.35	5,701.89	9,942.92	9,877.55	65.37	152.097		
3,100.00	2,898.85	2,864.85	2,864.85	18.60	49.08	90.24	-8,182.35	5,701.89	9,943.05	9,875.38	67.68	146.921		
3,200.00	2,981.67	2,947.67	2,947.67	19.69	50.52	90.51	-8,182.35	5,701.89	9,943.50	9,873.28	70.21	141.616		
3,300.00	3,064.48	3,030.48	3,030.48	20.79	51.97	90.78	-8,182.35	5,701.89	9,944.26	9,871.50	72.76	136.674		
3,400.00	3,147.30	3,113.30	3,113.30	21.90	53.41	91.05	-8,182.35	5,701.89	9,945.34	9,870.03	75.31	132.063		
3,500.00	3,230.11	3,203.89	3,196.11	23.00	54.99	91.31	-8,182.35	5,701.89	9,946.73	9,868.73	78.00	127.528		
3,600.00	3,312.92	3,278.92	3,278.92	24.12	56.30	91.58	-8,182.35	5,701.89	9,948.44	9,868.02	80.42	123.712		
3,700.00	3,395.74	3,361.74	3,361.74	25.23	57.75	91.85	-8,182.35	5,701.89	9,950.46	9,867.49	82.97	119.922		
3,800.00	3,478.55	3,444.55	3,444.55	26.35	59.19	92.11	-8,182.35	5,701.89	9,952.80	9,867.27	85.53	116.360		
3,900.00	3,561.36	3,527.36	3,527.36	27.47	60.64	92.38	-8,182.35	5,701.89	9,955.46	9,867.36	88.10	113.006		
4,000.00	3,644.18	3,610.18	3,610.18	28.59	62.08	92.65	-8,182.35	5,701.89	9,958.43	9,867.77	90.66	109.844		
4,100.00	3,726.99	3,707.01	3,692.99	29.72	63.77	92.92	-8,182.35	5,701.89	9,961.71	9,868.24	93.47	106.579		
4,200.00	3,809.81	3,775.81	3,775.81	30.85	64.98	93.18	-8,182.35	5,701.89	9,965.31	9,869.52	95.79	104.035		
4,300.00	3,892.62	3,858.62	3,858.62	31.98	66.42	93.45	-8,182.35	5,701.89	9,969.22	9,870.87	98.35	101.362		
4,400.00	3,975.43	3,941.43	3,941.43	33.11	67.87	93.72	-8,182.35	5,701.89	9,973.45	9,872.53	100.92	98.828		
4,500.00	4,058.25	4,024.25	4,024.25	34.24	69.31	93.98	-8,182.35	5,701.89	9,977.98	9,874.50	103.48	96.423		
4,600.00	4,141.06	4,107.06	4,107.06	35.37	70.76	94.25	-8,182.35	5,701.89	9,982.84	9,876.79	106.05	94.138		
4,700.00	4,223.87	4,189.87	4,189.87	36.50	72.20	94.51	-8,182.35	5,701.89	9,988.00	9,879.39	108.61	91.963		
4,800.00	4,306.69	4,272.69	4,272.69	37.64	73.65	94.78	-8,182.35	5,701.89	9,993.47	9,882.30	111.17	89.893		
4,900.00	4,389.50	4,355.50	4,355.50	38.77	75.09	95.05	-8,182.35	5,701.89	9,999.26	9,885.53	113.73	87.919		
9,400.00	7,730.00	5,020.00	5,020.00	78.26	86.69	-39.48	-8,182.35	5,701.89	9,935.70	9,777.47	158.24	62.791		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT GOLTL 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,500.00	7,730.00	5,020.00	5,020.00	77.89	86.69	-39.48	-8,182.35	5,701.89	9,842.05	9,684.16	157.89	62.336		
9,600.00	7,730.00	5,020.00	5,020.00	77.53	86.69	-39.48	-8,182.35	5,701.89	9,748.52	9,590.99	157.54	61.881		
9,700.00	7,730.00	5,020.00	5,020.00	77.19	86.69	-39.48	-8,182.35	5,701.89	9,655.13	9,497.95	157.18	61.428		
9,800.00	7,730.00	5,020.00	5,020.00	76.88	86.69	-39.48	-8,182.35	5,701.89	9,561.86	9,405.05	156.82	60.975		
9,900.00	7,730.00	5,020.00	5,020.00	76.58	86.69	-39.48	-8,182.35	5,701.89	9,468.74	9,312.29	156.45	60.522		
10,000.00	7,730.00	5,020.00	5,020.00	76.30	86.69	-39.48	-8,182.35	5,701.89	9,375.75	9,219.67	156.08	60.070		
10,100.00	7,730.00	5,020.00	5,020.00	76.04	86.69	-39.48	-8,182.35	5,701.89	9,282.91	9,127.21	155.70	59.619		
10,200.00	7,730.00	5,020.00	5,020.00	75.79	86.69	-39.48	-8,182.35	5,701.89	9,190.23	9,034.90	155.32	59.169		
10,300.00	7,730.00	5,020.00	5,020.00	75.57	86.69	-39.48	-8,182.35	5,701.89	9,097.69	8,942.76	154.94	58.719		
10,400.00	7,730.00	5,020.00	5,020.00	75.36	86.69	-39.48	-8,182.35	5,701.89	9,005.32	8,850.77	154.55	58.270		
10,500.00	7,730.00	5,020.00	5,020.00	75.18	86.69	-39.48	-8,182.35	5,701.89	8,913.11	8,758.96	154.15	57.821		
10,600.00	7,730.00	5,020.00	5,020.00	75.01	86.69	-39.48	-8,182.35	5,701.89	8,821.07	8,667.32	153.75	57.373		
10,700.00	7,730.00	5,020.00	5,020.00	74.86	86.69	-39.48	-8,182.35	5,701.89	8,729.20	8,575.86	153.34	56.926		
10,800.00	7,730.00	5,020.00	5,020.00	74.74	86.69	-39.48	-8,182.35	5,701.89	8,637.52	8,484.59	152.93	56.479		
10,900.00	7,730.00	5,020.00	5,020.00	74.64	86.69	-39.48	-8,182.35	5,701.89	8,546.02	8,393.51	152.52	56.033		
11,000.00	7,730.00	5,020.00	5,020.00	74.56	86.69	-39.48	-8,182.35	5,701.89	8,454.72	8,302.62	152.10	55.587		
11,100.00	7,730.00	5,020.00	5,020.00	74.51	86.69	-39.48	-8,182.35	5,701.89	8,363.61	8,211.94	151.67	55.142		
11,200.00	7,730.00	5,020.00	5,020.00	74.48	86.69	-39.48	-8,182.35	5,701.89	8,272.71	8,121.47	151.24	54.697		
11,300.00	7,730.00	5,020.00	5,020.00	74.48	86.69	-39.48	-8,182.35	5,701.89	8,182.02	8,031.21	150.81	54.253		
11,400.00	7,730.00	5,020.00	5,020.00	74.50	86.69	-39.48	-8,182.35	5,701.89	8,091.56	7,941.18	150.37	53.809		
11,500.00	7,730.00	5,020.00	5,020.00	74.56	86.69	-39.48	-8,182.35	5,701.89	8,001.31	7,851.38	149.93	53.366		
11,600.00	7,730.00	5,020.00	5,020.00	74.66	86.69	-39.48	-8,182.35	5,701.89	7,911.31	7,761.82	149.49	52.922		
11,700.00	7,730.00	5,020.00	5,020.00	74.79	86.69	-39.48	-8,182.35	5,701.89	7,821.54	7,672.50	149.04	52.479		
11,800.00	7,730.00	5,020.00	5,020.00	74.96	86.69	-39.48	-8,182.35	5,701.89	7,732.03	7,583.44	148.59	52.036		
11,900.00	7,730.00	5,020.00	5,020.00	75.17	86.69	-39.48	-8,182.35	5,701.89	7,642.78	7,494.64	148.14	51.593		
12,000.00	7,730.00	5,020.00	5,020.00	75.43	86.69	-39.48	-8,182.35	5,701.89	7,553.79	7,406.11	147.68	51.150		
12,100.00	7,730.00	5,020.00	5,020.00	75.73	86.69	-39.48	-8,182.35	5,701.89	7,465.09	7,317.87	147.22	50.707		
12,200.00	7,730.00	5,020.00	5,020.00	76.09	86.69	-39.48	-8,182.35	5,701.89	7,376.67	7,229.91	146.76	50.263		
12,300.00	7,730.00	5,020.00	5,020.00	76.51	86.69	-39.48	-8,182.35	5,701.89	7,288.56	7,142.25	146.30	49.819		
12,400.00	7,730.00	5,020.00	5,020.00	76.97	86.69	-39.48	-8,182.35	5,701.89	7,200.75	7,054.91	145.84	49.374		
12,500.00	7,730.00	5,020.00	5,020.00	77.50	86.69	-39.48	-8,182.35	5,701.89	7,113.27	6,967.89	145.38	48.929		
12,600.00	7,730.00	5,020.00	5,020.00	78.09	86.69	-39.48	-8,182.35	5,701.89	7,026.12	6,881.19	144.92	48.482		
12,700.00	7,730.00	5,020.00	5,020.00	78.74	86.69	-39.48	-8,182.35	5,701.89	6,939.31	6,794.85	144.46	48.035		
12,800.00	7,730.00	5,020.00	5,020.00	79.45	86.69	-39.48	-8,182.35	5,701.89	6,852.87	6,708.86	144.01	47.586		
12,900.00	7,730.00	5,020.00	5,020.00	80.22	86.69	-39.48	-8,182.35	5,701.89	6,766.80	6,623.24	143.56	47.136		
13,000.00	7,730.00	5,020.00	5,020.00	81.05	86.69	-39.48	-8,182.35	5,701.89	6,681.12	6,538.00	143.11	46.684		
13,100.00	7,730.00	5,020.00	5,020.00	81.94	86.69	-39.48	-8,182.35	5,701.89	6,595.84	6,453.16	142.67	46.230		
13,200.00	7,730.00	5,020.00	5,020.00	82.87	86.69	-39.48	-8,182.35	5,701.89	6,510.98	6,368.73	142.24	45.773		
13,300.00	7,730.00	5,020.00	5,020.00	83.86	86.69	-39.48	-8,182.35	5,701.89	6,426.55	6,284.73	141.82	45.314		
13,400.00	7,730.00	5,020.00	5,020.00	84.90	86.69	-39.48	-8,182.35	5,701.89	6,342.58	6,201.17	141.41	44.852		
13,500.00	7,730.00	5,020.00	5,020.00	85.97	86.69	-39.48	-8,182.35	5,701.89	6,259.08	6,118.07	141.01	44.387		
13,600.00	7,730.00	5,020.00	5,020.00	87.09	86.69	-39.48	-8,182.35	5,701.89	6,176.07	6,035.44	140.63	43.918		
13,700.00	7,730.00	5,020.00	5,020.00	88.25	86.69	-39.48	-8,182.35	5,701.89	6,093.57	5,953.31	140.26	43.446		
13,800.00	7,730.00	5,020.00	5,020.00	89.44	86.69	-39.48	-8,182.35	5,701.89	6,011.60	5,871.69	139.91	42.968		
13,900.00	7,730.00	5,020.00	5,020.00	90.66	86.69	-39.48	-8,182.35	5,701.89	5,930.18	5,790.61	139.58	42.486		
14,000.00	7,730.00	5,020.00	5,020.00	91.92	86.69	-39.48	-8,182.35	5,701.89	5,849.34	5,710.07	139.27	41.999		
14,100.00	7,730.00	5,020.00	5,020.00	93.20	86.69	-39.48	-8,182.35	5,701.89	5,769.11	5,630.11	138.99	41.507		
14,200.00	7,730.00	5,020.00	5,020.00	94.50	86.69	-39.48	-8,182.35	5,701.89	5,689.49	5,550.75	138.74	41.009		
14,300.00	7,730.00	5,020.00	5,020.00	95.83	86.69	-39.48	-8,182.35	5,701.89	5,610.53	5,472.02	138.52	40.504		
14,400.00	7,730.00	5,020.00	5,020.00	97.17	86.69	-39.48	-8,182.35	5,701.89	5,532.25	5,393.92	138.33	39.993		
14,500.00	7,730.00	5,020.00	5,020.00	98.54	86.69	-39.48	-8,182.35	5,701.89	5,454.69	5,316.50	138.18	39.475		
14,600.00	7,730.00	5,020.00	5,020.00	99.92	86.69	-39.48	-8,182.35	5,701.89	5,377.86	5,239.78	138.07	38.949		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT GOLTL 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,700.00	7,730.00	5,020.00	5,020.00	101.32	86.69	-39.48	-8,182.35	5,701.89	5,301.80	5,163.79	138.01	38.417		
14,800.00	7,730.00	5,020.00	5,020.00	102.74	86.69	-39.48	-8,182.35	5,701.89	5,226.55	5,088.56	137.99	37.876		
14,900.00	7,730.00	5,020.00	5,020.00	104.17	86.69	-39.48	-8,182.35	5,701.89	5,152.15	5,014.12	138.02	37.329		
15,000.00	7,730.00	5,020.00	5,020.00	105.62	86.69	-39.48	-8,182.35	5,701.89	5,078.62	4,940.51	138.11	36.773		
15,100.00	7,730.00	5,020.00	5,020.00	107.07	86.69	-39.48	-8,182.35	5,701.89	5,006.01	4,867.76	138.25	36.210		
15,200.00	7,730.00	5,020.00	5,020.00	108.54	86.69	-39.48	-8,182.35	5,701.89	4,934.35	4,795.90	138.45	35.639		
15,300.00	7,730.00	5,020.00	5,020.00	110.02	86.69	-39.48	-8,182.35	5,701.89	4,863.70	4,724.99	138.72	35.062		
15,400.00	7,730.00	5,020.00	5,020.00	111.51	86.69	-39.48	-8,182.35	5,701.89	4,794.10	4,655.05	139.05	34.477		
15,500.00	7,730.00	5,020.00	5,020.00	113.01	86.69	-39.48	-8,182.35	5,701.89	4,725.58	4,586.13	139.45	33.887		
15,600.00	7,730.00	5,020.00	5,020.00	114.52	86.69	-39.48	-8,182.35	5,701.89	4,658.20	4,518.28	139.93	33.291		
15,700.00	7,730.00	5,020.00	5,020.00	116.04	86.69	-39.48	-8,182.35	5,701.89	4,592.02	4,451.54	140.47	32.690		
15,800.00	7,730.00	5,020.00	5,020.00	117.56	86.69	-39.48	-8,182.35	5,701.89	4,527.07	4,385.97	141.10	32.085		
15,900.00	7,730.00	5,020.00	5,020.00	119.09	86.69	-39.48	-8,182.35	5,701.89	4,463.42	4,321.62	141.80	31.477		
16,000.00	7,730.00	5,020.00	5,020.00	120.63	86.69	-39.48	-8,182.35	5,701.89	4,401.12	4,258.54	142.58	30.867		
16,100.00	7,730.00	5,020.00	5,020.00	122.18	86.69	-39.48	-8,182.35	5,701.89	4,340.23	4,196.79	143.45	30.257		
16,200.00	7,730.00	5,020.00	5,020.00	123.73	86.69	-39.48	-8,182.35	5,701.89	4,280.82	4,136.42	144.39	29.647		
16,300.00	7,730.00	5,020.00	5,020.00	125.29	86.69	-39.48	-8,182.35	5,701.89	4,222.93	4,077.51	145.42	29.039		
16,400.00	7,730.00	5,020.00	5,020.00	126.86	86.69	-39.48	-8,182.35	5,701.89	4,166.64	4,020.11	146.53	28.435		
16,500.00	7,730.00	5,020.00	5,020.00	128.43	86.69	-39.48	-8,182.35	5,701.89	4,112.01	3,964.29	147.73	27.835		
16,600.00	7,730.00	5,020.00	5,020.00	130.01	86.69	-39.48	-8,182.35	5,701.89	4,059.11	3,910.11	149.00	27.242		
16,700.00	7,730.00	5,020.00	5,020.00	131.59	86.69	-39.48	-8,182.35	5,701.89	4,008.01	3,857.65	150.36	26.656		
16,800.00	7,730.00	5,020.00	5,020.00	133.18	86.69	-39.48	-8,182.35	5,701.89	3,958.77	3,806.98	151.80	26.079		
16,900.00	7,730.00	5,020.00	5,020.00	134.77	86.69	-39.48	-8,182.35	5,701.89	3,911.48	3,758.16	153.31	25.513		
17,000.00	7,730.00	5,020.00	5,020.00	136.37	86.69	-39.48	-8,182.35	5,701.89	3,866.19	3,711.28	154.91	24.958		
17,100.00	7,730.00	5,020.00	5,020.00	137.97	86.69	-39.48	-8,182.35	5,701.89	3,822.98	3,666.40	156.57	24.417		
17,200.00	7,730.00	5,020.00	5,020.00	139.57	86.69	-39.48	-8,182.35	5,701.89	3,781.92	3,623.61	158.31	23.889		
17,300.00	7,730.00	5,020.00	5,020.00	141.18	86.69	-39.48	-8,182.35	5,701.89	3,743.08	3,582.96	160.12	23.377		
17,400.00	7,730.00	5,020.00	5,020.00	142.79	86.69	-39.48	-8,182.35	5,701.89	3,706.54	3,544.55	161.99	22.881		
17,500.00	7,730.00	5,020.00	5,020.00	144.41	86.69	-39.48	-8,182.35	5,701.89	3,672.35	3,508.43	163.93	22.403		
17,600.00	7,730.00	5,020.00	5,020.00	146.03	86.69	-39.48	-8,182.35	5,701.89	3,640.59	3,474.68	165.92	21.942		
17,700.00	7,730.00	5,020.00	5,020.00	147.65	86.69	-39.48	-8,182.35	5,701.89	3,611.33	3,443.36	167.96	21.501		
17,800.00	7,730.00	5,020.00	5,020.00	149.28	86.69	-39.48	-8,182.35	5,701.89	3,584.61	3,414.55	170.06	21.079		
17,900.00	7,730.00	5,020.00	5,020.00	150.91	86.69	-39.48	-8,182.35	5,701.89	3,560.50	3,388.30	172.20	20.677		
18,000.00	7,730.00	5,020.00	5,020.00	152.54	86.69	-39.48	-8,182.35	5,701.89	3,539.06	3,364.68	174.38	20.295		
18,100.00	7,730.00	5,020.00	5,020.00	154.18	86.69	-39.48	-8,182.35	5,701.89	3,520.32	3,343.73	176.59	19.934		
18,200.00	7,730.00	5,020.00	5,020.00	155.82	86.69	-39.48	-8,182.35	5,701.89	3,504.34	3,325.51	178.84	19.595		
18,300.00	7,730.00	5,020.00	5,020.00	157.46	86.69	-39.48	-8,182.35	5,701.89	3,491.16	3,310.05	181.10	19.277		
18,400.00	7,730.00	5,020.00	5,020.00	159.11	86.69	-39.48	-8,182.35	5,701.89	3,480.80	3,297.41	183.39	18.981		
18,500.00	7,730.00	5,020.00	5,020.00	160.75	86.69	-39.48	-8,182.35	5,701.89	3,473.28	3,287.61	185.68	18.706		
18,600.00	7,730.00	5,020.00	5,020.00	162.40	86.69	-39.48	-8,182.35	5,701.89	3,468.64	3,280.67	187.97	18.453		
18,700.00	7,730.00	5,020.00	5,020.00	164.05	86.69	-39.48	-8,182.35	5,701.89	3,466.87	3,276.61	190.26	18.222		
18,711.24	7,730.00	5,020.00	5,020.00	164.24	86.69	-39.48	-8,182.35	5,701.89	3,466.85	3,276.34	190.52	18.197 CC		
18,800.00	7,730.00	5,020.00	5,020.00	165.71	86.69	-39.48	-8,182.35	5,701.89	3,467.99	3,275.45	192.54	18.012 ES		
18,900.00	7,730.00	5,020.00	5,020.00	167.36	86.69	-39.48	-8,182.35	5,701.89	3,471.99	3,277.19	194.80	17.824		
18,942.39	7,730.00	5,020.00	5,020.00	168.07	86.69	-39.48	-8,182.35	5,701.89	3,474.55	3,278.80	195.75	17.750 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	162.09	-5,565.90	1,798.86	5,849.44					
100.00	100.00	70.00	70.00	0.13	0.57	162.09	-5,565.90	1,798.86	5,849.37	5,848.66	0.70	8,326.118		
200.00	200.00	170.00	170.00	0.49	2.03	162.09	-5,565.90	1,798.86	5,849.37	5,846.84	2.53	2,315.473		
300.00	300.00	270.00	270.00	0.85	3.78	162.09	-5,565.90	1,798.86	5,849.37	5,844.74	4.63	1,263.360		
400.00	400.00	370.00	370.00	1.21	5.52	162.09	-5,565.90	1,798.86	5,849.37	5,842.63	6.73	868.656		
500.00	500.00	470.00	470.00	1.57	7.27	162.09	-5,565.90	1,798.86	5,849.37	5,840.53	8.84	661.872		
600.00	600.00	570.00	570.00	1.93	9.01	162.09	-5,565.90	1,798.86	5,849.37	5,838.43	10.94	534.608		
700.00	700.00	670.00	670.00	2.29	10.76	162.09	-5,565.90	1,798.86	5,849.37	5,836.32	13.05	448.392		
800.00	800.00	770.00	770.00	2.64	12.51	162.09	-5,565.90	1,798.86	5,849.37	5,834.22	15.15	386.122		
900.00	899.98	869.98	869.98	3.00	14.25	102.51	-5,565.90	1,798.86	5,849.75	5,832.50	17.25	339.144		
1,000.00	999.84	969.84	969.84	3.35	15.99	102.54	-5,565.90	1,798.86	5,850.88	5,831.54	19.35	302.448		
1,100.00	1,099.45	1,069.45	1,069.45	3.71	17.73	102.59	-5,565.90	1,798.86	5,852.78	5,831.34	21.44	272.939		
1,200.00	1,198.70	1,168.70	1,168.70	4.08	19.46	102.65	-5,565.90	1,798.86	5,855.47	5,831.92	23.55	248.682		
1,300.00	1,297.47	1,267.47	1,267.47	4.47	21.19	102.73	-5,565.90	1,798.86	5,858.94	5,833.29	25.66	228.374		
1,400.00	1,395.62	1,365.62	1,365.62	4.87	22.90	102.82	-5,565.90	1,798.86	5,863.24	5,835.46	27.77	211.106		
1,500.00	1,493.06	1,463.06	1,463.06	5.31	24.60	102.93	-5,565.90	1,798.86	5,868.38	5,838.47	29.91	196.227		
1,600.00	1,589.64	1,559.64	1,559.64	5.77	26.29	103.05	-5,565.90	1,798.86	5,874.39	5,842.34	32.05	183.261		
1,700.00	1,685.27	1,655.27	1,655.27	6.28	27.96	103.18	-5,565.90	1,798.86	5,881.32	5,847.09	34.22	171.852		
1,800.00	1,779.82	1,749.82	1,749.82	6.83	29.61	103.32	-5,565.90	1,798.86	5,889.19	5,852.77	36.41	161.727		
1,900.00	1,873.17	1,843.17	1,843.17	7.43	31.24	103.47	-5,565.90	1,798.86	5,898.04	5,859.41	38.63	152.679		
2,000.00	1,965.21	1,935.21	1,935.21	8.08	32.84	103.61	-5,565.90	1,798.86	5,907.94	5,867.06	40.87	144.544		
2,100.00	2,055.84	2,025.84	2,025.84	8.79	34.42	103.76	-5,565.90	1,798.86	5,918.91	5,875.76	43.14	137.190		
2,200.00	2,144.94	2,114.94	2,114.94	9.56	35.98	103.91	-5,565.90	1,798.86	5,931.01	5,885.56	45.44	130.515		
2,300.00	2,232.39	2,202.39	2,202.39	10.39	37.51	104.05	-5,565.90	1,798.86	5,944.28	5,896.51	47.77	124.432		
2,400.00	2,318.11	2,288.11	2,288.11	11.30	39.00	104.18	-5,565.90	1,798.86	5,958.78	5,908.65	50.13	118.872		
2,504.60	2,405.78	2,375.78	2,375.78	12.31	40.53	104.31	-5,565.90	1,798.86	5,975.32	5,922.70	52.62	113.553		
2,600.00	2,484.79	2,454.79	2,454.79	13.28	41.91	104.72	-5,565.90	1,798.86	5,991.28	5,936.36	54.92	109.098		
2,700.00	2,567.60	2,537.60	2,537.60	14.32	43.36	105.16	-5,565.90	1,798.86	6,008.47	5,951.13	57.34	104.794		
2,800.00	2,650.41	2,620.41	2,620.41	15.37	44.80	105.59	-5,565.90	1,798.86	6,026.13	5,966.37	59.76	100.831		
2,900.00	2,733.23	2,703.23	2,703.23	16.44	46.25	106.02	-5,565.90	1,798.86	6,044.26	5,982.06	62.20	97.173		
3,000.00	2,816.04	2,786.04	2,786.04	17.52	47.69	106.45	-5,565.90	1,798.86	6,062.86	5,998.22	64.64	93.792		
3,100.00	2,898.85	2,868.85	2,868.85	18.60	49.14	106.88	-5,565.90	1,798.86	6,081.92	6,014.83	67.08	90.660		
3,200.00	2,981.67	2,951.67	2,951.67	19.69	50.58	107.31	-5,565.90	1,798.86	6,101.43	6,031.90	69.53	87.754		
3,300.00	3,064.48	3,034.48	3,034.48	20.79	52.03	107.73	-5,565.90	1,798.86	6,121.39	6,049.42	71.97	85.052		
3,400.00	3,147.30	3,117.30	3,117.30	21.90	53.47	108.15	-5,565.90	1,798.86	6,141.80	6,067.38	74.42	82.534		
3,500.00	3,230.11	3,200.11	3,200.11	23.00	54.92	108.57	-5,565.90	1,798.86	6,162.65	6,085.79	76.86	80.185		
3,600.00	3,312.92	3,282.92	3,282.92	24.12	56.36	108.99	-5,565.90	1,798.86	6,183.94	6,104.65	79.29	77.989		
3,700.00	3,395.74	3,365.74	3,365.74	25.23	57.81	109.40	-5,565.90	1,798.86	6,205.66	6,123.93	81.73	75.932		
3,800.00	3,478.55	3,448.55	3,448.55	26.35	59.25	109.82	-5,565.90	1,798.86	6,227.81	6,143.66	84.16	74.002		
3,900.00	3,561.36	3,531.36	3,531.36	27.47	60.70	110.23	-5,565.90	1,798.86	6,250.39	6,163.80	86.58	72.189		
4,000.00	3,644.18	3,614.18	3,614.18	28.59	62.15	110.64	-5,565.90	1,798.86	6,273.38	6,184.38	89.00	70.484		
4,100.00	3,726.99	3,703.01	3,696.99	29.72	63.70	111.04	-5,565.90	1,798.86	6,296.79	6,205.27	91.53	68.798		
4,200.00	3,809.81	3,779.81	3,779.81	30.85	65.04	111.45	-5,565.90	1,798.86	6,320.61	6,226.78	93.83	67.362		
4,300.00	3,892.62	3,862.62	3,862.62	31.98	66.48	111.85	-5,565.90	1,798.86	6,344.84	6,248.60	96.24	65.930		
4,400.00	3,975.43	3,945.43	3,945.43	33.11	67.93	112.25	-5,565.90	1,798.86	6,369.47	6,270.83	98.64	64.576		
4,500.00	4,058.25	4,028.25	4,028.25	34.24	69.37	112.65	-5,565.90	1,798.86	6,394.49	6,293.46	101.03	63.293		
4,600.00	4,141.06	4,111.06	4,111.06	35.37	70.82	113.04	-5,565.90	1,798.86	6,419.91	6,316.49	103.42	62.078		
4,700.00	4,223.87	4,206.13	4,193.87	36.50	72.48	113.44	-5,565.90	1,798.86	6,445.71	6,339.70	106.01	60.801		
4,800.00	4,306.69	4,276.69	4,276.69	37.64	73.71	113.83	-5,565.90	1,798.86	6,471.89	6,363.72	108.17	59.829		
4,900.00	4,389.50	4,359.50	4,359.50	38.77	75.15	114.22	-5,565.90	1,798.86	6,498.46	6,387.91	110.54	58.787		
5,000.00	4,472.32	4,442.32	4,442.32	39.91	76.60	114.60	-5,565.90	1,798.86	6,525.39	6,412.49	112.90	57.796		
5,100.00	4,555.13	4,525.13	4,525.13	41.05	78.04	114.99	-5,565.90	1,798.86	6,552.70	6,437.44	115.26	56.851		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,607.94	4,607.94	42.18	79.49	115.37	-5,565.90	1,798.86	6,580.37	6,462.76	117.61	55.951		
5,300.00	4,720.76	4,709.24	4,690.76	43.32	81.26	115.75	-5,565.90	1,798.86	6,608.40	6,488.12	120.27	54.944		
5,400.00	4,803.57	4,773.57	4,773.57	44.46	82.38	116.12	-5,565.90	1,798.86	6,636.78	6,514.49	122.29	54.272		
5,500.00	4,886.39	4,856.39	4,856.39	45.60	83.83	116.50	-5,565.90	1,798.86	6,665.52	6,540.90	124.62	53.488		
5,600.00	4,969.20	4,939.20	4,939.20	46.74	85.27	116.87	-5,565.90	1,798.86	6,694.60	6,567.66	126.94	52.739		
5,700.00	5,052.01	5,022.01	5,022.01	47.88	86.72	117.24	-5,565.90	1,798.86	6,724.02	6,594.77	129.25	52.022		
5,800.00	5,134.83	5,104.83	5,104.83	49.02	88.16	117.61	-5,565.90	1,798.86	6,753.78	6,622.22	131.56	51.335		
5,900.00	5,217.64	5,125.00	5,125.00	50.16	88.51	117.69	-5,565.90	1,798.86	6,784.16	6,651.42	132.74	51.110		
6,000.00	5,300.45	5,125.00	5,125.00	51.30	88.51	117.69	-5,565.90	1,798.86	6,815.84	6,682.32	133.52	51.047		
6,100.00	5,383.27	5,125.00	5,125.00	52.45	88.51	117.69	-5,565.90	1,798.86	6,848.84	6,714.56	134.28	51.005		
6,200.00	5,466.08	5,125.00	5,125.00	53.59	88.51	117.69	-5,565.90	1,798.86	6,883.13	6,748.12	135.01	50.983		
6,300.00	5,548.90	5,125.00	5,125.00	54.73	88.51	117.69	-5,565.90	1,798.86	6,918.70	6,782.99	135.71	50.981		
6,400.00	5,631.71	5,125.00	5,125.00	55.87	88.51	117.69	-5,565.90	1,798.86	6,955.52	6,819.13	136.39	50.998		
6,500.00	5,714.52	5,125.00	5,125.00	57.02	88.51	117.69	-5,565.90	1,798.86	6,993.58	6,856.54	137.04	51.034		
6,600.00	5,797.34	5,125.00	5,125.00	58.16	88.51	117.69	-5,565.90	1,798.86	7,032.86	6,895.19	137.66	51.088		
6,700.00	5,880.15	5,125.00	5,125.00	59.30	88.51	117.69	-5,565.90	1,798.86	7,073.33	6,935.06	138.26	51.159		
6,800.00	5,962.96	5,125.00	5,125.00	60.45	88.51	117.69	-5,565.90	1,798.86	7,114.97	6,976.14	138.84	51.247		
6,900.00	6,045.78	5,125.00	5,125.00	61.59	88.51	117.69	-5,565.90	1,798.86	7,157.77	7,018.39	139.39	51.352		
7,000.00	6,128.59	5,125.00	5,125.00	62.73	88.51	117.69	-5,565.90	1,798.86	7,201.71	7,061.79	139.92	51.472		
7,100.00	6,211.41	5,125.00	5,125.00	63.88	88.51	117.69	-5,565.90	1,798.86	7,246.76	7,106.34	140.42	51.608		
7,200.00	6,294.22	5,125.00	5,125.00	65.02	88.51	117.69	-5,565.90	1,798.86	7,292.90	7,152.00	140.90	51.759		
7,300.00	6,377.03	5,125.00	5,125.00	66.17	88.51	117.69	-5,565.90	1,798.86	7,340.12	7,198.75	141.36	51.925		
7,400.00	6,459.85	5,125.00	5,125.00	67.31	88.51	117.69	-5,565.90	1,798.86	7,388.38	7,246.58	141.80	52.105		
7,500.00	6,542.66	5,125.00	5,125.00	68.46	88.51	117.69	-5,565.90	1,798.86	7,437.68	7,295.46	142.22	52.298		
7,600.00	6,625.48	5,125.00	5,125.00	69.60	88.51	117.69	-5,565.90	1,798.86	7,487.99	7,345.37	142.61	52.505		
7,700.00	6,708.29	5,125.00	5,125.00	70.75	88.51	117.69	-5,565.90	1,798.86	7,539.29	7,396.29	142.99	52.725		
7,800.00	6,791.10	5,125.00	5,125.00	71.89	88.51	117.69	-5,565.90	1,798.86	7,591.56	7,448.21	143.35	52.958		
7,900.00	6,873.92	5,125.00	5,125.00	73.04	88.51	117.69	-5,565.90	1,798.86	7,644.78	7,501.09	143.69	53.202		
8,000.00	6,956.73	5,125.00	5,125.00	74.18	88.51	117.69	-5,565.90	1,798.86	7,698.93	7,554.91	144.02	53.459		
8,100.00	7,039.54	5,125.00	5,125.00	75.33	88.51	117.69	-5,565.90	1,798.86	7,753.99	7,609.67	144.32	53.727		
8,165.32	7,093.63	5,125.00	5,125.00	76.08	88.51	117.69	-5,565.90	1,798.86	7,790.44	7,645.93	144.51	53.908		
8,200.00	7,122.60	5,125.00	5,125.00	76.47	88.51	112.81	-5,565.90	1,798.86	7,809.07	7,664.46	144.61	54.000		
8,250.00	7,165.05	5,125.00	5,125.00	77.01	88.51	105.08	-5,565.90	1,798.86	7,832.94	7,688.18	144.76	54.111		
8,300.00	7,208.03	5,125.00	5,125.00	77.52	88.51	96.73	-5,565.90	1,798.86	7,853.16	7,708.26	144.90	54.196		
8,350.00	7,251.22	5,125.00	5,125.00	77.99	88.51	88.13	-5,565.90	1,798.86	7,869.60	7,724.56	145.04	54.258		
8,400.00	7,294.28	5,125.00	5,125.00	78.41	88.51	79.70	-5,565.90	1,798.86	7,882.15	7,736.98	145.17	54.296		
8,450.00	7,336.90	5,125.00	5,125.00	78.78	88.51	71.84	-5,565.90	1,798.86	7,890.75	7,745.47	145.28	54.313		
8,500.00	7,378.73	5,125.00	5,125.00	79.10	88.51	64.80	-5,565.90	1,798.86	7,895.34	7,749.95	145.38	54.308		
8,550.00	7,419.47	5,125.00	5,125.00	79.37	88.51	58.69	-5,565.90	1,798.86	7,895.88	7,750.42	145.46	54.282		
8,600.00	7,458.81	5,125.00	5,125.00	79.59	88.51	53.49	-5,565.90	1,798.86	7,892.39	7,746.87	145.52	54.236		
8,650.00	7,496.44	5,125.00	5,125.00	79.76	88.51	49.13	-5,565.90	1,798.86	7,884.88	7,739.32	145.56	54.169		
8,700.00	7,532.08	5,125.00	5,125.00	79.88	88.51	45.50	-5,565.90	1,798.86	7,873.39	7,727.81	145.58	54.084		
8,750.00	7,565.46	5,125.00	5,125.00	79.95	88.51	42.50	-5,565.90	1,798.86	7,857.99	7,712.42	145.58	53.978		
8,800.00	7,596.33	5,125.00	5,125.00	79.98	88.51	40.04	-5,565.90	1,798.86	7,838.79	7,693.23	145.56	53.853		
8,850.00	7,624.44	5,125.00	5,125.00	79.97	88.51	38.03	-5,565.90	1,798.86	7,815.89	7,670.37	145.52	53.709		
8,900.00	7,649.59	5,125.00	5,125.00	79.93	88.51	36.42	-5,565.90	1,798.86	7,789.45	7,643.98	145.47	53.546		
8,950.00	7,671.59	5,125.00	5,125.00	79.84	88.51	35.15	-5,565.90	1,798.86	7,759.62	7,614.21	145.41	53.365		
9,000.00	7,690.26	5,125.00	5,125.00	79.73	88.51	34.19	-5,565.90	1,798.86	7,726.60	7,581.27	145.33	53.164		
9,050.00	7,705.47	5,125.00	5,125.00	79.59	88.51	33.52	-5,565.90	1,798.86	7,690.60	7,545.34	145.25	52.946		
9,100.00	7,717.09	5,125.00	5,125.00	79.43	88.51	33.13	-5,565.90	1,798.86	7,651.85	7,506.68	145.17	52.710		
9,150.00	7,725.04	5,125.00	5,125.00	79.26	88.51	33.02	-5,565.90	1,798.86	7,610.61	7,465.52	145.08	52.456		
9,200.00	7,729.27	5,125.00	5,125.00	79.06	88.51	33.23	-5,565.90	1,798.86	7,567.15	7,422.14	145.00	52.186		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	5,125.00	5,125.00	78.93	88.51	33.55	-5,565.90	1,798.86	7,539.10	7,394.14	144.95	52.010		
9,300.00	7,730.00	5,125.00	5,125.00	78.65	88.51	33.55	-5,565.90	1,798.86	7,476.33	7,331.49	144.85	51.616		
9,400.00	7,730.00	5,125.00	5,125.00	78.26	88.51	33.55	-5,565.90	1,798.86	7,385.39	7,240.70	144.69	51.044		
9,500.00	7,730.00	5,125.00	5,125.00	77.89	88.51	33.55	-5,565.90	1,798.86	7,294.68	7,150.16	144.52	50.475		
9,600.00	7,730.00	5,125.00	5,125.00	77.53	88.51	33.55	-5,565.90	1,798.86	7,204.22	7,059.86	144.35	49.906		
9,700.00	7,730.00	5,125.00	5,125.00	77.19	88.51	33.55	-5,565.90	1,798.86	7,114.01	6,969.83	144.18	49.340		
9,800.00	7,730.00	5,125.00	5,125.00	76.88	88.51	33.55	-5,565.90	1,798.86	7,024.07	6,880.06	144.01	48.775		
9,900.00	7,730.00	5,125.00	5,125.00	76.58	88.51	33.55	-5,565.90	1,798.86	6,934.40	6,790.57	143.83	48.212		
10,000.00	7,730.00	5,125.00	5,125.00	76.30	88.51	33.55	-5,565.90	1,798.86	6,845.03	6,701.38	143.65	47.651		
10,100.00	7,730.00	5,125.00	5,125.00	76.04	88.51	33.55	-5,565.90	1,798.86	6,755.94	6,612.48	143.46	47.092		
10,200.00	7,730.00	5,125.00	5,125.00	75.79	88.51	33.55	-5,565.90	1,798.86	6,667.17	6,523.90	143.27	46.536		
10,300.00	7,730.00	5,125.00	5,125.00	75.57	88.51	33.55	-5,565.90	1,798.86	6,578.72	6,435.65	143.08	45.981		
10,400.00	7,730.00	5,125.00	5,125.00	75.36	88.51	33.55	-5,565.90	1,798.86	6,490.61	6,347.73	142.88	45.428		
10,500.00	7,730.00	5,125.00	5,125.00	75.18	88.51	33.55	-5,565.90	1,798.86	6,402.84	6,260.17	142.67	44.878		
10,600.00	7,730.00	5,125.00	5,125.00	75.01	88.51	33.55	-5,565.90	1,798.86	6,315.44	6,172.98	142.46	44.330		
10,700.00	7,730.00	5,125.00	5,125.00	74.86	88.51	33.55	-5,565.90	1,798.86	6,228.42	6,086.17	142.25	43.785		
10,800.00	7,730.00	5,125.00	5,125.00	74.74	88.51	33.55	-5,565.90	1,798.86	6,141.79	5,999.76	142.03	43.242		
10,900.00	7,730.00	5,125.00	5,125.00	74.64	88.51	33.55	-5,565.90	1,798.86	6,055.58	5,913.77	141.81	42.703		
11,000.00	7,730.00	5,125.00	5,125.00	74.56	88.51	33.55	-5,565.90	1,798.86	5,969.79	5,828.21	141.58	42.166		
11,100.00	7,730.00	5,125.00	5,125.00	74.51	88.51	33.55	-5,565.90	1,798.86	5,884.46	5,743.11	141.35	41.632		
11,200.00	7,730.00	5,125.00	5,125.00	74.48	88.51	33.55	-5,565.90	1,798.86	5,799.59	5,658.48	141.11	41.101		
11,300.00	7,730.00	5,125.00	5,125.00	74.48	88.51	33.55	-5,565.90	1,798.86	5,715.21	5,574.35	140.86	40.574		
11,400.00	7,730.00	5,125.00	5,125.00	74.50	88.51	33.55	-5,565.90	1,798.86	5,631.34	5,490.74	140.61	40.050		
11,500.00	7,730.00	5,125.00	5,125.00	74.56	88.51	33.55	-5,565.90	1,798.86	5,548.01	5,407.66	140.35	39.530		
11,600.00	7,730.00	5,125.00	5,125.00	74.66	88.51	33.55	-5,565.90	1,798.86	5,465.24	5,325.15	140.09	39.013		
11,700.00	7,730.00	5,125.00	5,125.00	74.79	88.51	33.55	-5,565.90	1,798.86	5,383.05	5,243.23	139.82	38.501		
11,800.00	7,730.00	5,125.00	5,125.00	74.96	88.51	33.55	-5,565.90	1,798.86	5,301.48	5,161.94	139.54	37.992		
11,900.00	7,730.00	5,125.00	5,125.00	75.17	88.51	33.55	-5,565.90	1,798.86	5,220.54	5,081.28	139.26	37.488		
12,000.00	7,730.00	5,125.00	5,125.00	75.43	88.51	33.55	-5,565.90	1,798.86	5,140.28	5,001.31	138.97	36.988		
12,100.00	7,730.00	5,125.00	5,125.00	75.73	88.51	33.55	-5,565.90	1,798.86	5,060.72	4,922.04	138.67	36.494		
12,200.00	7,730.00	5,125.00	5,125.00	76.09	88.51	33.55	-5,565.90	1,798.86	4,981.89	4,843.52	138.37	36.004		
12,300.00	7,730.00	5,125.00	5,125.00	76.51	88.51	33.55	-5,565.90	1,798.86	4,903.84	4,765.78	138.06	35.519		
12,400.00	7,730.00	5,125.00	5,125.00	76.97	88.51	33.55	-5,565.90	1,798.86	4,826.60	4,688.86	137.75	35.040		
12,500.00	7,730.00	5,125.00	5,125.00	77.50	88.51	33.55	-5,565.90	1,798.86	4,750.21	4,612.79	137.42	34.566		
12,600.00	7,730.00	5,125.00	5,125.00	78.09	88.51	33.55	-5,565.90	1,798.86	4,674.71	4,537.61	137.09	34.099		
12,700.00	7,730.00	5,125.00	5,125.00	78.74	88.51	33.55	-5,565.90	1,798.86	4,600.14	4,463.38	136.76	33.637		
12,800.00	7,730.00	5,125.00	5,125.00	79.45	88.51	33.55	-5,565.90	1,798.86	4,526.56	4,390.14	136.41	33.182		
12,900.00	7,730.00	5,125.00	5,125.00	80.22	88.51	33.55	-5,565.90	1,798.86	4,454.00	4,317.93	136.06	32.734		
13,000.00	7,730.00	5,125.00	5,125.00	81.05	88.51	33.55	-5,565.90	1,798.86	4,382.52	4,246.81	135.71	32.293		
13,100.00	7,730.00	5,125.00	5,125.00	81.94	88.51	33.55	-5,565.90	1,798.86	4,312.18	4,176.84	135.35	31.860		
13,200.00	7,730.00	5,125.00	5,125.00	82.87	88.51	33.55	-5,565.90	1,798.86	4,243.03	4,108.05	134.98	31.435		
13,300.00	7,730.00	5,125.00	5,125.00	83.86	88.51	33.55	-5,565.90	1,798.86	4,175.13	4,040.52	134.61	31.017		
13,400.00	7,730.00	5,125.00	5,125.00	84.90	88.51	33.55	-5,565.90	1,798.86	4,108.54	3,974.31	134.23	30.608		
13,500.00	7,730.00	5,125.00	5,125.00	85.97	88.51	33.55	-5,565.90	1,798.86	4,043.33	3,909.48	133.85	30.208		
13,600.00	7,730.00	5,125.00	5,125.00	87.09	88.51	33.55	-5,565.90	1,798.86	3,979.57	3,846.10	133.46	29.818		
13,700.00	7,730.00	5,125.00	5,125.00	88.25	88.51	33.55	-5,565.90	1,798.86	3,917.31	3,784.24	133.08	29.437		
13,800.00	7,730.00	5,125.00	5,125.00	89.44	88.51	33.55	-5,565.90	1,798.86	3,856.65	3,723.96	132.69	29.066		
13,900.00	7,730.00	5,125.00	5,125.00	90.66	88.51	33.55	-5,565.90	1,798.86	3,797.65	3,665.35	132.30	28.705		
14,000.00	7,730.00	5,125.00	5,125.00	91.92	88.51	33.55	-5,565.90	1,798.86	3,740.40	3,608.48	131.91	28.356		
14,100.00	7,730.00	5,125.00	5,125.00	93.20	88.51	33.55	-5,565.90	1,798.86	3,684.96	3,553.44	131.53	28.017		
14,200.00	7,730.00	5,125.00	5,125.00	94.50	88.51	33.55	-5,565.90	1,798.86	3,631.44	3,500.29	131.15	27.690		
14,300.00	7,730.00	5,125.00	5,125.00	95.83	88.51	33.55	-5,565.90	1,798.86	3,579.91	3,449.14	130.78	27.374		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,400.00	7,730.00	5,125.00	5,125.00	97.17	88.51	33.55	-5,565.90	1,798.86	3,530.46	3,400.05	130.41	27.071		
14,500.00	7,730.00	5,125.00	5,125.00	98.54	88.51	33.55	-5,565.90	1,798.86	3,483.19	3,353.12	130.07	26.780		
14,600.00	7,730.00	5,125.00	5,125.00	99.92	88.51	33.55	-5,565.90	1,798.86	3,438.17	3,308.43	129.74	26.501		
14,700.00	7,730.00	5,125.00	5,125.00	101.32	88.51	33.55	-5,565.90	1,798.86	3,395.50	3,266.07	129.43	26.235		
14,800.00	7,730.00	5,125.00	5,125.00	102.74	88.51	33.55	-5,565.90	1,798.86	3,355.26	3,226.12	129.14	25.981		
14,900.00	7,730.00	5,125.00	5,125.00	104.17	88.51	33.55	-5,565.90	1,798.86	3,317.56	3,188.67	128.89	25.740		
15,000.00	7,730.00	5,125.00	5,125.00	105.62	88.51	33.55	-5,565.90	1,798.86	3,282.47	3,153.80	128.67	25.511		
15,100.00	7,730.00	5,125.00	5,125.00	107.07	88.51	33.55	-5,565.90	1,798.86	3,250.08	3,121.59	128.49	25.295		
15,200.00	7,730.00	5,125.00	5,125.00	108.54	88.51	33.55	-5,565.90	1,798.86	3,220.47	3,092.11	128.36	25.090		
15,300.00	7,730.00	5,125.00	5,125.00	110.02	88.51	33.55	-5,565.90	1,798.86	3,193.72	3,065.43	128.28	24.896		
15,400.00	7,730.00	5,125.00	5,125.00	111.51	88.51	33.55	-5,565.90	1,798.86	3,169.89	3,041.63	128.26	24.714		
15,500.00	7,730.00	5,125.00	5,125.00	113.01	88.51	33.55	-5,565.90	1,798.86	3,149.07	3,020.76	128.31	24.543		
15,600.00	7,730.00	5,125.00	5,125.00	114.52	88.51	33.55	-5,565.90	1,798.86	3,131.30	3,002.87	128.43	24.382		
15,700.00	7,730.00	5,125.00	5,125.00	116.04	88.51	33.55	-5,565.90	1,798.86	3,116.64	2,988.02	128.62	24.231		
15,800.00	7,730.00	5,125.00	5,125.00	117.56	88.51	33.55	-5,565.90	1,798.86	3,105.13	2,976.23	128.90	24.090		
15,900.00	7,730.00	5,125.00	5,125.00	119.09	88.51	33.55	-5,565.90	1,798.86	3,096.81	2,967.56	129.25	23.959		
16,000.00	7,730.00	5,125.00	5,125.00	120.63	88.51	33.55	-5,565.90	1,798.86	3,091.71	2,962.01	129.70	23.838		
16,100.00	7,730.00	5,125.00	5,125.00	122.18	88.51	33.55	-5,565.90	1,798.86	3,089.83	2,959.61	130.22	23.727		
16,107.98	7,730.00	5,125.00	5,125.00	122.30	88.51	33.55	-5,565.90	1,798.86	3,089.82	2,959.55	130.27	23.719 CC, ES		
16,200.00	7,730.00	5,125.00	5,125.00	123.73	88.51	33.55	-5,565.90	1,798.86	3,091.19	2,960.36	130.83	23.627		
16,300.00	7,730.00	5,125.00	5,125.00	125.29	88.51	33.55	-5,565.90	1,798.86	3,095.78	2,964.26	131.52	23.539		
16,400.00	7,730.00	5,125.00	5,125.00	126.86	88.51	33.55	-5,565.90	1,798.86	3,103.59	2,971.31	132.28	23.462		
16,500.00	7,730.00	5,125.00	5,125.00	128.43	88.51	33.55	-5,565.90	1,798.86	3,114.59	2,981.48	133.11	23.399		
16,600.00	7,730.00	5,125.00	5,125.00	130.01	88.51	33.55	-5,565.90	1,798.86	3,128.75	2,994.76	133.99	23.350		
16,700.00	7,730.00	5,125.00	5,125.00	131.59	88.51	33.55	-5,565.90	1,798.86	3,146.03	3,011.10	134.93	23.316		
16,800.00	7,730.00	5,125.00	5,125.00	133.18	88.51	33.55	-5,565.90	1,798.86	3,166.37	3,030.46	135.90	23.298		
16,900.00	7,730.00	5,125.00	5,125.00	134.77	88.51	33.55	-5,565.90	1,798.86	3,189.72	3,052.80	136.91	23.297 SF		
17,000.00	7,730.00	5,125.00	5,125.00	136.37	88.51	33.55	-5,565.90	1,798.86	3,216.01	3,078.06	137.94	23.314		
17,100.00	7,730.00	5,125.00	5,125.00	137.97	88.51	33.55	-5,565.90	1,798.86	3,245.17	3,106.18	138.99	23.349		
17,200.00	7,730.00	5,125.00	5,125.00	139.57	88.51	33.55	-5,565.90	1,798.86	3,277.12	3,137.09	140.03	23.403		
17,300.00	7,730.00	5,125.00	5,125.00	141.18	88.51	33.55	-5,565.90	1,798.86	3,311.78	3,170.71	141.08	23.475		
17,400.00	7,730.00	5,125.00	5,125.00	142.79	88.51	33.55	-5,565.90	1,798.86	3,349.08	3,206.97	142.11	23.567		
17,500.00	7,730.00	5,125.00	5,125.00	144.41	88.51	33.55	-5,565.90	1,798.86	3,388.91	3,245.79	143.12	23.678		
17,600.00	7,730.00	5,125.00	5,125.00	146.03	88.51	33.55	-5,565.90	1,798.86	3,431.20	3,287.08	144.12	23.808		
17,700.00	7,730.00	5,125.00	5,125.00	147.65	88.51	33.55	-5,565.90	1,798.86	3,475.85	3,330.76	145.09	23.957		
17,800.00	7,730.00	5,125.00	5,125.00	149.28	88.51	33.55	-5,565.90	1,798.86	3,522.77	3,376.75	146.02	24.125		
17,900.00	7,730.00	5,125.00	5,125.00	150.91	88.51	33.55	-5,565.90	1,798.86	3,571.88	3,424.95	146.93	24.310		
18,000.00	7,730.00	5,125.00	5,125.00	152.54	88.51	33.55	-5,565.90	1,798.86	3,623.08	3,475.28	147.80	24.513		
18,100.00	7,730.00	5,125.00	5,125.00	154.18	88.51	33.55	-5,565.90	1,798.86	3,676.30	3,527.66	148.64	24.733		
18,200.00	7,730.00	5,125.00	5,125.00	155.82	88.51	33.55	-5,565.90	1,798.86	3,731.43	3,581.99	149.44	24.970		
18,300.00	7,730.00	5,125.00	5,125.00	157.46	88.51	33.55	-5,565.90	1,798.86	3,788.40	3,638.20	150.20	25.223		
18,400.00	7,730.00	5,125.00	5,125.00	159.11	88.51	33.55	-5,565.90	1,798.86	3,847.12	3,696.20	150.92	25.490		
18,500.00	7,730.00	5,125.00	5,125.00	160.75	88.51	33.55	-5,565.90	1,798.86	3,907.53	3,755.91	151.61	25.773		
18,600.00	7,730.00	5,125.00	5,125.00	162.40	88.51	33.55	-5,565.90	1,798.86	3,969.53	3,817.26	152.27	26.070		
18,700.00	7,730.00	5,125.00	5,125.00	164.05	88.51	33.55	-5,565.90	1,798.86	4,033.06	3,880.17	152.89	26.380		
18,800.00	7,730.00	5,125.00	5,125.00	165.71	88.51	33.55	-5,565.90	1,798.86	4,098.05	3,944.57	153.47	26.702		
18,900.00	7,730.00	5,125.00	5,125.00	167.36	88.51	33.55	-5,565.90	1,798.86	4,164.42	4,010.39	154.02	27.038		
18,942.39	7,730.00	5,125.00	5,125.00	168.07	88.51	33.55	-5,565.90	1,798.86	4,192.96	4,038.71	154.25	27.183		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	150.58	-5,537.35	3,123.01	6,357.38					
100.00	100.00	70.00	70.00	0.13	0.57	150.58	-5,537.35	3,123.01	6,357.31	6,356.61	0.70	9,049.137		
200.00	200.00	170.00	170.00	0.49	2.03	150.58	-5,537.35	3,123.01	6,357.31	6,354.79	2.53	2,516.543		
300.00	300.00	270.00	270.00	0.85	3.78	150.58	-5,537.35	3,123.01	6,357.31	6,352.68	4.63	1,373.067		
400.00	400.00	370.00	370.00	1.21	5.52	150.58	-5,537.35	3,123.01	6,357.31	6,350.58	6.73	944.088		
500.00	500.00	470.00	470.00	1.57	7.27	150.58	-5,537.35	3,123.01	6,357.31	6,348.47	8.84	719.347		
600.00	600.00	570.00	570.00	1.93	9.01	150.58	-5,537.35	3,123.01	6,357.31	6,346.37	10.94	581.032		
700.00	700.00	670.00	670.00	2.29	10.76	150.58	-5,537.35	3,123.01	6,357.31	6,344.27	13.05	487.329		
800.00	800.00	770.00	770.00	2.64	12.51	150.58	-5,537.35	3,123.01	6,357.31	6,342.16	15.15	419.652		
900.00	899.98	869.98	869.98	3.00	14.25	91.01	-5,537.35	3,123.01	6,357.34	6,340.09	17.25	368.575		
1,000.00	999.84	969.84	969.84	3.35	15.99	91.05	-5,537.35	3,123.01	6,357.44	6,338.09	19.34	328.643		
1,100.00	1,099.45	1,069.45	1,069.45	3.71	17.73	91.13	-5,537.35	3,123.01	6,357.60	6,336.16	21.44	296.494		
1,200.00	1,198.70	1,168.70	1,168.70	4.08	19.46	91.23	-5,537.35	3,123.01	6,357.85	6,334.31	23.54	270.032		
1,300.00	1,297.47	1,267.47	1,267.47	4.47	21.19	91.36	-5,537.35	3,123.01	6,358.21	6,332.56	25.65	247.844		
1,400.00	1,395.62	1,365.62	1,365.62	4.87	22.90	91.52	-5,537.35	3,123.01	6,358.70	6,330.93	27.77	228.944		
1,500.00	1,493.06	1,463.06	1,463.06	5.31	24.60	91.71	-5,537.35	3,123.01	6,359.35	6,329.44	29.91	212.627		
1,600.00	1,589.64	1,559.64	1,559.64	5.77	26.29	91.91	-5,537.35	3,123.01	6,360.20	6,328.14	32.06	198.377		
1,700.00	1,685.27	1,655.27	1,655.27	6.28	27.96	92.14	-5,537.35	3,123.01	6,361.28	6,327.05	34.24	185.808		
1,800.00	1,779.82	1,749.82	1,749.82	6.83	29.61	92.39	-5,537.35	3,123.01	6,362.64	6,326.21	36.44	174.628		
1,900.00	1,873.17	1,843.17	1,843.17	7.43	31.24	92.66	-5,537.35	3,123.01	6,364.34	6,325.67	38.66	164.609		
2,000.00	1,965.21	1,935.21	1,935.21	8.08	32.84	92.94	-5,537.35	3,123.01	6,366.41	6,325.49	40.92	155.575		
2,100.00	2,055.84	2,025.84	2,025.84	8.79	34.42	93.24	-5,537.35	3,123.01	6,368.93	6,325.71	43.21	147.387		
2,200.00	2,144.94	2,114.94	2,114.94	9.56	35.98	93.54	-5,537.35	3,123.01	6,371.94	6,326.40	45.54	139.930		
2,300.00	2,232.39	2,202.39	2,202.39	10.39	37.51	93.85	-5,537.35	3,123.01	6,375.51	6,327.61	47.90	133.114		
2,400.00	2,318.11	2,288.11	2,288.11	11.30	39.00	94.16	-5,537.35	3,123.01	6,379.70	6,329.42	50.29	126.864		
2,504.60	2,405.78	2,375.78	2,375.78	12.31	40.53	94.49	-5,537.35	3,123.01	6,384.83	6,332.01	52.83	120.863		
2,600.00	2,484.79	2,454.79	2,454.79	13.28	41.91	94.88	-5,537.35	3,123.01	6,390.10	6,334.93	55.17	115.828		
2,700.00	2,567.60	2,537.60	2,537.60	14.32	43.36	95.30	-5,537.35	3,123.01	6,396.09	6,338.45	57.64	110.963		
2,800.00	2,650.41	2,620.41	2,620.41	15.37	44.80	95.71	-5,537.35	3,123.01	6,402.57	6,342.45	60.13	106.484		
2,900.00	2,733.23	2,703.23	2,703.23	16.44	46.25	96.13	-5,537.35	3,123.01	6,409.54	6,346.91	62.62	102.350		
3,000.00	2,816.04	2,786.04	2,786.04	17.52	47.69	96.54	-5,537.35	3,123.01	6,416.98	6,351.86	65.13	98.530		
3,100.00	2,898.85	2,868.85	2,868.85	18.60	49.14	96.95	-5,537.35	3,123.01	6,424.91	6,357.27	67.64	94.991		
3,200.00	2,981.67	2,951.67	2,951.67	19.69	50.58	97.36	-5,537.35	3,123.01	6,433.32	6,363.17	70.15	91.707		
3,300.00	3,064.48	3,034.48	3,034.48	20.79	52.03	97.78	-5,537.35	3,123.01	6,442.20	6,369.53	72.67	88.654		
3,400.00	3,147.30	3,117.30	3,117.30	21.90	53.47	98.19	-5,537.35	3,123.01	6,451.55	6,376.37	75.19	85.809		
3,500.00	3,230.11	3,200.11	3,200.11	23.00	54.92	98.60	-5,537.35	3,123.01	6,461.38	6,383.68	77.70	83.154		
3,600.00	3,312.92	3,282.92	3,282.92	24.12	56.36	99.00	-5,537.35	3,123.01	6,471.68	6,391.46	80.22	80.672		
3,700.00	3,395.74	3,365.74	3,365.74	25.23	57.81	99.41	-5,537.35	3,123.01	6,482.45	6,399.71	82.74	78.347		
3,800.00	3,478.55	3,448.55	3,448.55	26.35	59.25	99.82	-5,537.35	3,123.01	6,493.69	6,408.43	85.26	76.166		
3,900.00	3,561.36	3,531.36	3,531.36	27.47	60.70	100.22	-5,537.35	3,123.01	6,505.38	6,417.61	87.77	74.118		
4,000.00	3,644.18	3,614.18	3,614.18	28.59	62.15	100.63	-5,537.35	3,123.01	6,517.54	6,427.26	90.28	72.190		
4,100.00	3,726.99	3,703.01	3,696.99	29.72	63.70	101.03	-5,537.35	3,123.01	6,530.16	6,437.26	92.90	70.294		
4,200.00	3,809.81	3,779.81	3,779.81	30.85	65.04	101.44	-5,537.35	3,123.01	6,543.23	6,447.94	95.30	68.660		
4,300.00	3,892.62	3,862.62	3,862.62	31.98	66.48	101.84	-5,537.35	3,123.01	6,556.76	6,458.96	97.80	67.041		
4,400.00	3,975.43	3,945.43	3,945.43	33.11	67.93	102.24	-5,537.35	3,123.01	6,570.74	6,470.44	100.30	65.510		
4,500.00	4,058.25	4,028.25	4,028.25	34.24	69.37	102.64	-5,537.35	3,123.01	6,585.16	6,482.37	102.80	64.061		
4,600.00	4,141.06	4,111.06	4,111.06	35.37	70.82	103.03	-5,537.35	3,123.01	6,600.03	6,494.74	105.29	62.686		
4,700.00	4,223.87	4,206.13	4,193.87	36.50	72.48	103.43	-5,537.35	3,123.01	6,615.34	6,507.35	107.99	61.261		
4,800.00	4,306.69	4,276.69	4,276.69	37.64	73.71	103.83	-5,537.35	3,123.01	6,631.09	6,520.84	110.25	60.144		
4,900.00	4,389.50	4,359.50	4,359.50	38.77	75.15	104.22	-5,537.35	3,123.01	6,647.27	6,534.54	112.73	58.966		
5,000.00	4,472.32	4,442.32	4,442.32	39.91	76.60	104.61	-5,537.35	3,123.01	6,663.89	6,548.69	115.20	57.845		
5,100.00	4,555.13	4,525.13	4,525.13	41.05	78.04	105.00	-5,537.35	3,123.01	6,680.94	6,563.27	117.67	56.778		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,607.94	4,607.94	42.18	79.49	105.39	-5,537.35	3,123.01	6,698.41	6,578.28	120.13	55.760		
5,300.00	4,720.76	4,709.24	4,690.76	43.32	81.26	105.78	-5,537.35	3,123.01	6,716.30	6,593.39	122.91	54.646		
5,400.00	4,803.57	4,773.57	4,773.57	44.46	82.38	106.17	-5,537.35	3,123.01	6,734.61	6,609.58	125.03	53.863		
5,500.00	4,886.39	4,856.39	4,856.39	45.60	83.83	106.55	-5,537.35	3,123.01	6,753.34	6,625.86	127.48	52.977		
5,600.00	4,969.20	4,939.20	4,939.20	46.74	85.27	106.94	-5,537.35	3,123.01	6,772.48	6,642.57	129.91	52.130		
5,700.00	5,052.01	5,022.01	5,022.01	47.88	86.72	107.32	-5,537.35	3,123.01	6,792.03	6,659.68	132.35	51.320		
5,800.00	5,134.83	5,104.83	5,104.83	49.02	88.16	107.70	-5,537.35	3,123.01	6,811.98	6,677.21	134.77	50.545		
5,900.00	5,217.64	5,148.00	5,148.00	50.16	88.92	107.90	-5,537.35	3,123.01	6,832.45	6,695.97	136.48	50.061		
6,000.00	5,300.45	5,148.00	5,148.00	51.30	88.92	107.90	-5,537.35	3,123.01	6,854.19	6,716.78	137.41	49.883		
6,100.00	5,383.27	5,148.00	5,148.00	52.45	88.92	107.90	-5,537.35	3,123.01	6,877.30	6,739.01	138.30	49.728		
6,200.00	5,466.08	5,148.00	5,148.00	53.59	88.92	107.90	-5,537.35	3,123.01	6,901.79	6,762.63	139.17	49.594		
6,300.00	5,548.90	5,148.00	5,148.00	54.73	88.92	107.90	-5,537.35	3,123.01	6,927.64	6,787.64	140.01	49.481		
6,400.00	5,631.71	5,148.00	5,148.00	55.87	88.92	107.90	-5,537.35	3,123.01	6,954.83	6,814.01	140.82	49.389		
6,500.00	5,714.52	5,148.00	5,148.00	57.02	88.92	107.90	-5,537.35	3,123.01	6,983.34	6,841.74	141.60	49.317		
6,600.00	5,797.34	5,148.00	5,148.00	58.16	88.92	107.90	-5,537.35	3,123.01	7,013.17	6,870.81	142.36	49.264		
6,700.00	5,880.15	5,148.00	5,148.00	59.30	88.92	107.90	-5,537.35	3,123.01	7,044.29	6,901.20	143.09	49.229		
6,800.00	5,962.96	5,148.00	5,148.00	60.45	88.92	107.90	-5,537.35	3,123.01	7,076.68	6,932.89	143.80	49.213		
6,900.00	6,045.78	5,148.00	5,148.00	61.59	88.92	107.90	-5,537.35	3,123.01	7,110.34	6,965.86	144.47	49.215		
7,000.00	6,128.59	5,148.00	5,148.00	62.73	88.92	107.90	-5,537.35	3,123.01	7,145.23	7,000.10	145.13	49.234		
7,100.00	6,211.41	5,148.00	5,148.00	63.88	88.92	107.90	-5,537.35	3,123.01	7,181.35	7,035.59	145.76	49.270		
7,200.00	6,294.22	5,148.00	5,148.00	65.02	88.92	107.90	-5,537.35	3,123.01	7,218.67	7,072.31	146.36	49.322		
7,300.00	6,377.03	5,148.00	5,148.00	66.17	88.92	107.90	-5,537.35	3,123.01	7,257.18	7,110.24	146.94	49.390		
7,400.00	6,459.85	5,148.00	5,148.00	67.31	88.92	107.90	-5,537.35	3,123.01	7,296.85	7,149.37	147.49	49.474		
7,500.00	6,542.66	5,148.00	5,148.00	68.46	88.92	107.90	-5,537.35	3,123.01	7,337.68	7,189.66	148.02	49.573		
7,600.00	6,625.48	5,148.00	5,148.00	69.60	88.92	107.90	-5,537.35	3,123.01	7,379.63	7,231.11	148.53	49.686		
7,700.00	6,708.29	5,148.00	5,148.00	70.75	88.92	107.90	-5,537.35	3,123.01	7,422.70	7,273.69	149.01	49.813		
7,800.00	6,791.10	5,148.00	5,148.00	71.89	88.92	107.90	-5,537.35	3,123.01	7,466.85	7,317.38	149.47	49.955		
7,900.00	6,873.92	5,148.00	5,148.00	73.04	88.92	107.90	-5,537.35	3,123.01	7,512.08	7,362.16	149.91	50.110		
8,000.00	6,956.73	5,148.00	5,148.00	74.18	88.92	107.90	-5,537.35	3,123.01	7,558.36	7,408.02	150.33	50.278		
8,100.00	7,039.54	5,148.00	5,148.00	75.33	88.92	107.90	-5,537.35	3,123.01	7,605.67	7,454.94	150.73	50.458		
8,165.32	7,093.63	5,148.00	5,148.00	76.08	88.92	107.90	-5,537.35	3,123.01	7,637.12	7,486.14	150.98	50.583		
8,200.00	7,122.60	5,148.00	5,148.00	76.47	88.92	103.33	-5,537.35	3,123.01	7,653.08	7,501.97	151.11	50.645		
8,250.00	7,165.05	5,148.00	5,148.00	77.01	88.92	95.96	-5,537.35	3,123.01	7,673.00	7,521.71	151.29	50.717		
8,300.00	7,208.03	5,148.00	5,148.00	77.52	88.92	87.90	-5,537.35	3,123.01	7,689.18	7,537.72	151.46	50.767		
8,350.00	7,251.22	5,148.00	5,148.00	77.99	88.92	79.50	-5,537.35	3,123.01	7,701.51	7,549.89	151.62	50.796		
8,400.00	7,294.28	5,148.00	5,148.00	78.41	88.92	71.21	-5,537.35	3,123.01	7,709.92	7,558.17	151.76	50.805		
8,450.00	7,336.90	5,148.00	5,148.00	78.78	88.92	63.42	-5,537.35	3,123.01	7,714.36	7,562.49	151.87	50.796		
8,500.00	7,378.73	5,148.00	5,148.00	79.10	88.92	56.40	-5,537.35	3,123.01	7,714.80	7,562.84	151.96	50.768		
8,550.00	7,419.47	5,148.00	5,148.00	79.37	88.92	50.24	-5,537.35	3,123.01	7,711.23	7,559.21	152.03	50.723		
8,600.00	7,458.81	5,148.00	5,148.00	79.59	88.92	44.94	-5,537.35	3,123.01	7,703.69	7,551.63	152.06	50.661		
8,650.00	7,496.44	5,148.00	5,148.00	79.76	88.92	40.41	-5,537.35	3,123.01	7,692.21	7,540.14	152.08	50.582		
8,700.00	7,532.08	5,148.00	5,148.00	79.88	88.92	36.54	-5,537.35	3,123.01	7,676.87	7,524.81	152.06	50.486		
8,750.00	7,565.46	5,148.00	5,148.00	79.95	88.92	33.23	-5,537.35	3,123.01	7,657.75	7,505.73	152.02	50.373		
8,800.00	7,596.33	5,148.00	5,148.00	79.98	88.92	30.35	-5,537.35	3,123.01	7,634.99	7,483.03	151.96	50.243		
8,850.00	7,624.44	5,148.00	5,148.00	79.97	88.92	27.82	-5,537.35	3,123.01	7,608.71	7,456.83	151.88	50.097		
8,900.00	7,649.59	5,148.00	5,148.00	79.93	88.92	25.55	-5,537.35	3,123.01	7,579.08	7,427.30	151.78	49.935		
8,950.00	7,671.59	5,148.00	5,148.00	79.84	88.92	23.45	-5,537.35	3,123.01	7,546.30	7,394.63	151.66	49.757		
9,000.00	7,690.26	5,148.00	5,148.00	79.73	88.92	21.43	-5,537.35	3,123.01	7,510.56	7,359.03	151.54	49.563		
9,050.00	7,705.47	5,148.00	5,148.00	79.59	88.92	19.38	-5,537.35	3,123.01	7,472.11	7,320.71	151.40	49.353		
9,100.00	7,717.09	5,148.00	5,148.00	79.43	88.92	17.16	-5,537.35	3,123.01	7,431.19	7,279.93	151.26	49.128		
9,150.00	7,725.04	5,148.00	5,148.00	79.26	88.92	14.58	-5,537.35	3,123.01	7,388.08	7,236.96	151.12	48.888		
9,200.00	7,729.27	5,148.00	5,148.00	79.06	88.92	11.26	-5,537.35	3,123.01	7,343.07	7,192.09	150.99	48.634		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	5,148.00	5,148.00	78.93	88.92	8.55	-5,537.35	3,123.01	7,314.22	7,163.32	150.90	48.469		
9,300.00	7,730.00	5,148.00	5,148.00	78.65	88.92	8.55	-5,537.35	3,123.01	7,249.83	7,099.11	150.72	48.101		
9,400.00	7,730.00	5,148.00	5,148.00	78.26	88.92	8.55	-5,537.35	3,123.01	7,156.47	7,006.02	150.45	47.568		
9,500.00	7,730.00	5,148.00	5,148.00	77.89	88.92	8.55	-5,537.35	3,123.01	7,063.29	6,913.12	150.17	47.036		
9,600.00	7,730.00	5,148.00	5,148.00	77.53	88.92	8.55	-5,537.35	3,123.01	6,970.30	6,820.42	149.88	46.506		
9,700.00	7,730.00	5,148.00	5,148.00	77.19	88.92	8.55	-5,537.35	3,123.01	6,877.50	6,727.92	149.58	45.979		
9,800.00	7,730.00	5,148.00	5,148.00	76.88	88.92	8.55	-5,537.35	3,123.01	6,784.91	6,635.64	149.27	45.453		
9,900.00	7,730.00	5,148.00	5,148.00	76.58	88.92	8.55	-5,537.35	3,123.01	6,692.54	6,543.58	148.96	44.930		
10,000.00	7,730.00	5,148.00	5,148.00	76.30	88.92	8.55	-5,537.35	3,123.01	6,600.38	6,451.76	148.63	44.409		
10,100.00	7,730.00	5,148.00	5,148.00	76.04	88.92	8.55	-5,537.35	3,123.01	6,508.46	6,360.17	148.29	43.890		
10,200.00	7,730.00	5,148.00	5,148.00	75.79	88.92	8.55	-5,537.35	3,123.01	6,416.78	6,268.84	147.94	43.374		
10,300.00	7,730.00	5,148.00	5,148.00	75.57	88.92	8.55	-5,537.35	3,123.01	6,325.35	6,177.77	147.58	42.860		
10,400.00	7,730.00	5,148.00	5,148.00	75.36	88.92	8.55	-5,537.35	3,123.01	6,234.19	6,086.98	147.21	42.349		
10,500.00	7,730.00	5,148.00	5,148.00	75.18	88.92	8.55	-5,537.35	3,123.01	6,143.30	5,996.47	146.82	41.841		
10,600.00	7,730.00	5,148.00	5,148.00	75.01	88.92	8.55	-5,537.35	3,123.01	6,052.70	5,906.27	146.42	41.336		
10,700.00	7,730.00	5,148.00	5,148.00	74.86	88.92	8.55	-5,537.35	3,123.01	5,962.39	5,816.38	146.01	40.835		
10,800.00	7,730.00	5,148.00	5,148.00	74.74	88.92	8.55	-5,537.35	3,123.01	5,872.40	5,726.82	145.59	40.336		
10,900.00	7,730.00	5,148.00	5,148.00	74.64	88.92	8.55	-5,537.35	3,123.01	5,782.75	5,637.60	145.14	39.841		
11,000.00	7,730.00	5,148.00	5,148.00	74.56	88.92	8.55	-5,537.35	3,123.01	5,693.43	5,548.74	144.69	39.350		
11,100.00	7,730.00	5,148.00	5,148.00	74.51	88.92	8.55	-5,537.35	3,123.01	5,604.48	5,460.26	144.21	38.863		
11,200.00	7,730.00	5,148.00	5,148.00	74.48	88.92	8.55	-5,537.35	3,123.01	5,515.90	5,372.18	143.72	38.379		
11,300.00	7,730.00	5,148.00	5,148.00	74.48	88.92	8.55	-5,537.35	3,123.01	5,427.72	5,284.51	143.21	37.900		
11,400.00	7,730.00	5,148.00	5,148.00	74.50	88.92	8.55	-5,537.35	3,123.01	5,339.96	5,197.28	142.68	37.426		
11,500.00	7,730.00	5,148.00	5,148.00	74.56	88.92	8.55	-5,537.35	3,123.01	5,252.64	5,110.50	142.13	36.956		
11,600.00	7,730.00	5,148.00	5,148.00	74.66	88.92	8.55	-5,537.35	3,123.01	5,165.77	5,024.21	141.56	36.491		
11,700.00	7,730.00	5,148.00	5,148.00	74.79	88.92	8.55	-5,537.35	3,123.01	5,079.39	4,938.42	140.97	36.031		
11,800.00	7,730.00	5,148.00	5,148.00	74.96	88.92	8.55	-5,537.35	3,123.01	4,993.52	4,853.16	140.36	35.577		
11,900.00	7,730.00	5,148.00	5,148.00	75.17	88.92	8.55	-5,537.35	3,123.01	4,908.18	4,768.46	139.72	35.129		
12,000.00	7,730.00	5,148.00	5,148.00	75.43	88.92	8.55	-5,537.35	3,123.01	4,823.40	4,684.35	139.05	34.687		
12,100.00	7,730.00	5,148.00	5,148.00	75.73	88.92	8.55	-5,537.35	3,123.01	4,739.22	4,600.86	138.36	34.252		
12,200.00	7,730.00	5,148.00	5,148.00	76.09	88.92	8.55	-5,537.35	3,123.01	4,655.67	4,518.02	137.65	33.823		
12,300.00	7,730.00	5,148.00	5,148.00	76.51	88.92	8.55	-5,537.35	3,123.01	4,572.77	4,435.87	136.90	33.402		
12,400.00	7,730.00	5,148.00	5,148.00	76.97	88.92	8.55	-5,537.35	3,123.01	4,490.57	4,354.45	136.13	32.988		
12,500.00	7,730.00	5,148.00	5,148.00	77.50	88.92	8.55	-5,537.35	3,123.01	4,409.11	4,273.79	135.32	32.583		
12,600.00	7,730.00	5,148.00	5,148.00	78.09	88.92	8.55	-5,537.35	3,123.01	4,328.43	4,193.95	134.48	32.186		
12,700.00	7,730.00	5,148.00	5,148.00	78.74	88.92	8.55	-5,537.35	3,123.01	4,248.56	4,114.96	133.61	31.799		
12,800.00	7,730.00	5,148.00	5,148.00	79.45	88.92	8.55	-5,537.35	3,123.01	4,169.57	4,036.87	132.70	31.421		
12,900.00	7,730.00	5,148.00	5,148.00	80.22	88.92	8.55	-5,537.35	3,123.01	4,091.49	3,959.73	131.76	31.053		
13,000.00	7,730.00	5,148.00	5,148.00	81.05	88.92	8.55	-5,537.35	3,123.01	4,014.39	3,883.61	130.78	30.697		
13,100.00	7,730.00	5,148.00	5,148.00	81.94	88.92	8.55	-5,537.35	3,123.01	3,938.31	3,808.56	129.76	30.351		
13,200.00	7,730.00	5,148.00	5,148.00	82.87	88.92	8.55	-5,537.35	3,123.01	3,863.33	3,734.63	128.70	30.018		
13,300.00	7,730.00	5,148.00	5,148.00	83.86	88.92	8.55	-5,537.35	3,123.01	3,789.50	3,661.90	127.60	29.698		
13,400.00	7,730.00	5,148.00	5,148.00	84.90	88.92	8.55	-5,537.35	3,123.01	3,716.90	3,590.44	126.46	29.392		
13,500.00	7,730.00	5,148.00	5,148.00	85.97	88.92	8.55	-5,537.35	3,123.01	3,645.59	3,520.32	125.28	29.100		
13,600.00	7,730.00	5,148.00	5,148.00	87.09	88.92	8.55	-5,537.35	3,123.01	3,575.66	3,451.61	124.05	28.824		
13,700.00	7,730.00	5,148.00	5,148.00	88.25	88.92	8.55	-5,537.35	3,123.01	3,507.19	3,384.41	122.78	28.564		
13,800.00	7,730.00	5,148.00	5,148.00	89.44	88.92	8.55	-5,537.35	3,123.01	3,440.26	3,318.79	121.47	28.322		
13,900.00	7,730.00	5,148.00	5,148.00	90.66	88.92	8.55	-5,537.35	3,123.01	3,374.96	3,254.85	120.12	28.097		
14,000.00	7,730.00	5,148.00	5,148.00	91.92	88.92	8.55	-5,537.35	3,123.01	3,311.40	3,192.68	118.72	27.893		
14,100.00	7,730.00	5,148.00	5,148.00	93.20	88.92	8.55	-5,537.35	3,123.01	3,249.68	3,132.39	117.28	27.708		
14,200.00	7,730.00	5,148.00	5,148.00	94.50	88.92	8.55	-5,537.35	3,123.01	3,189.89	3,074.09	115.80	27.546		
14,300.00	7,730.00	5,148.00	5,148.00	95.83	88.92	8.55	-5,537.35	3,123.01	3,132.16	3,017.87	114.29	27.406		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,400.00	7,730.00	5,148.00	5,148.00	97.17	88.92	8.55	-5,537.35	3,123.01	3,076.59	2,963.85	112.74	27.290		
14,500.00	7,730.00	5,148.00	5,148.00	98.54	88.92	8.55	-5,537.35	3,123.01	3,023.31	2,912.16	111.16	27.198		
14,600.00	7,730.00	5,148.00	5,148.00	99.92	88.92	8.55	-5,537.35	3,123.01	2,972.45	2,862.90	109.55	27.133		
14,700.00	7,730.00	5,148.00	5,148.00	101.32	88.92	8.55	-5,537.35	3,123.01	2,924.11	2,816.19	107.92	27.095		
14,800.00	7,730.00	5,148.00	5,148.00	102.74	88.92	8.55	-5,537.35	3,123.01	2,878.45	2,772.17	106.28	27.084		
14,900.00	7,730.00	5,148.00	5,148.00	104.17	88.92	8.55	-5,537.35	3,123.01	2,835.57	2,730.94	104.63	27.100		
15,000.00	7,730.00	5,148.00	5,148.00	105.62	88.92	8.55	-5,537.35	3,123.01	2,795.62	2,692.62	102.99	27.143		
15,100.00	7,730.00	5,148.00	5,148.00	107.07	88.92	8.55	-5,537.35	3,123.01	2,758.71	2,657.33	101.38	27.212		
15,200.00	7,730.00	5,148.00	5,148.00	108.54	88.92	8.55	-5,537.35	3,123.01	2,724.97	2,625.17	99.80	27.304		
15,300.00	7,730.00	5,148.00	5,148.00	110.02	88.92	8.55	-5,537.35	3,123.01	2,694.53	2,596.24	98.29	27.415		
15,400.00	7,730.00	5,148.00	5,148.00	111.51	88.92	8.55	-5,537.35	3,123.01	2,667.49	2,570.62	96.87	27.537		
15,500.00	7,730.00	5,148.00	5,148.00	113.01	88.92	8.55	-5,537.35	3,123.01	2,643.96	2,548.37	95.58	27.661		
15,600.00	7,730.00	5,148.00	5,148.00	114.52	88.92	8.55	-5,537.35	3,123.01	2,624.03	2,529.54	94.49	27.771		
15,700.00	7,730.00	5,148.00	5,148.00	116.04	88.92	8.55	-5,537.35	3,123.01	2,607.78	2,514.14	93.64	27.849		
15,800.00	7,730.00	5,148.00	5,148.00	117.56	88.92	8.55	-5,537.35	3,123.01	2,595.29	2,502.17	93.12	27.872		
15,900.00	7,730.00	5,148.00	5,148.00	119.09	88.92	8.55	-5,537.35	3,123.01	2,586.61	2,493.61	93.00	27.813		
16,000.00	7,730.00	5,148.00	5,148.00	120.63	88.92	8.55	-5,537.35	3,123.01	2,581.77	2,488.41	93.36	27.653		
16,074.96	7,730.00	5,148.00	5,148.00	121.79	88.92	8.55	-5,537.35	3,123.01	2,580.68	2,486.70	93.98	27.459 CC		
16,100.00	7,730.00	5,148.00	5,148.00	122.18	88.92	8.55	-5,537.35	3,123.01	2,580.80	2,486.55	94.26	27.381 ES		
16,200.00	7,730.00	5,148.00	5,148.00	123.73	88.92	8.55	-5,537.35	3,123.01	2,583.71	2,488.03	95.68	27.003		
16,300.00	7,730.00	5,148.00	5,148.00	125.29	88.92	8.55	-5,537.35	3,123.01	2,590.48	2,492.88	97.59	26.544		
16,400.00	7,730.00	5,148.00	5,148.00	126.86	88.92	8.55	-5,537.35	3,123.01	2,601.07	2,501.16	99.91	26.034		
16,500.00	7,730.00	5,148.00	5,148.00	128.43	88.92	8.55	-5,537.35	3,123.01	2,615.45	2,512.91	102.54	25.507		
16,600.00	7,730.00	5,148.00	5,148.00	130.01	88.92	8.55	-5,537.35	3,123.01	2,633.55	2,528.17	105.38	24.991		
16,700.00	7,730.00	5,148.00	5,148.00	131.59	88.92	8.55	-5,537.35	3,123.01	2,655.30	2,546.94	108.36	24.505		
16,800.00	7,730.00	5,148.00	5,148.00	133.18	88.92	8.55	-5,537.35	3,123.01	2,680.60	2,569.20	111.40	24.063		
16,900.00	7,730.00	5,148.00	5,148.00	134.77	88.92	8.55	-5,537.35	3,123.01	2,709.36	2,594.90	114.45	23.672		
17,000.00	7,730.00	5,148.00	5,148.00	136.37	88.92	8.55	-5,537.35	3,123.01	2,741.46	2,623.99	117.48	23.336		
17,100.00	7,730.00	5,148.00	5,148.00	137.97	88.92	8.55	-5,537.35	3,123.01	2,776.80	2,656.37	120.44	23.056		
17,200.00	7,730.00	5,148.00	5,148.00	139.57	88.92	8.55	-5,537.35	3,123.01	2,815.25	2,691.94	123.31	22.830		
17,300.00	7,730.00	5,148.00	5,148.00	141.18	88.92	8.55	-5,537.35	3,123.01	2,856.68	2,730.60	126.08	22.657		
17,400.00	7,730.00	5,148.00	5,148.00	142.79	88.92	8.55	-5,537.35	3,123.01	2,900.97	2,772.23	128.75	22.533		
17,500.00	7,730.00	5,148.00	5,148.00	144.41	88.92	8.55	-5,537.35	3,123.01	2,947.99	2,816.71	131.29	22.455		
17,600.00	7,730.00	5,148.00	5,148.00	146.03	88.92	8.55	-5,537.35	3,123.01	2,997.61	2,863.91	133.70	22.420 SF		
17,700.00	7,730.00	5,148.00	5,148.00	147.65	88.92	8.55	-5,537.35	3,123.01	3,049.70	2,913.71	135.99	22.426		
17,800.00	7,730.00	5,148.00	5,148.00	149.28	88.92	8.55	-5,537.35	3,123.01	3,104.14	2,965.99	138.15	22.469		
17,900.00	7,730.00	5,148.00	5,148.00	150.91	88.92	8.55	-5,537.35	3,123.01	3,160.81	3,020.61	140.19	22.546		
18,000.00	7,730.00	5,148.00	5,148.00	152.54	88.92	8.55	-5,537.35	3,123.01	3,219.58	3,077.47	142.11	22.655		
18,100.00	7,730.00	5,148.00	5,148.00	154.18	88.92	8.55	-5,537.35	3,123.01	3,280.35	3,136.43	143.92	22.793		
18,200.00	7,730.00	5,148.00	5,148.00	155.82	88.92	8.55	-5,537.35	3,123.01	3,343.01	3,197.40	145.61	22.959		
18,300.00	7,730.00	5,148.00	5,148.00	157.46	88.92	8.55	-5,537.35	3,123.01	3,407.45	3,260.26	147.20	23.149		
18,400.00	7,730.00	5,148.00	5,148.00	159.11	88.92	8.55	-5,537.35	3,123.01	3,473.58	3,324.89	148.68	23.362		
18,500.00	7,730.00	5,148.00	5,148.00	160.75	88.92	8.55	-5,537.35	3,123.01	3,541.29	3,391.22	150.07	23.597		
18,600.00	7,730.00	5,148.00	5,148.00	162.40	88.92	8.55	-5,537.35	3,123.01	3,610.51	3,459.13	151.37	23.852		
18,700.00	7,730.00	5,148.00	5,148.00	164.05	88.92	8.55	-5,537.35	3,123.01	3,681.14	3,528.55	152.59	24.125		
18,800.00	7,730.00	5,148.00	5,148.00	165.71	88.92	8.55	-5,537.35	3,123.01	3,753.10	3,599.38	153.72	24.414		
18,900.00	7,730.00	5,148.00	5,148.00	167.36	88.92	8.55	-5,537.35	3,123.01	3,826.33	3,671.54	154.79	24.720		
18,942.39	7,730.00	5,148.00	5,148.00	168.07	88.92	8.55	-5,537.35	3,123.01	3,857.73	3,702.51	155.22	24.854		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT MANN 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	147.29	-6,842.40	4,394.45	8,132.05					
100.00	100.00	77.00	77.00	0.13	0.64	147.29	-6,842.40	4,394.45	8,132.01	8,131.24	0.77	N/A		
200.00	200.00	177.00	177.00	0.49	2.17	147.29	-6,842.40	4,394.45	8,132.01	8,129.35	2.67	3,050.458		
300.00	300.00	277.00	277.00	0.85	3.92	147.29	-6,842.40	4,394.45	8,132.01	8,127.25	4.77	1,704.955		
400.00	400.00	377.00	377.00	1.21	5.66	147.29	-6,842.40	4,394.45	8,132.01	8,125.14	6.87	1,183.108		
500.00	500.00	477.00	477.00	1.57	7.41	147.29	-6,842.40	4,394.45	8,132.01	8,123.04	8.98	905.848		
600.00	600.00	577.00	577.00	1.93	9.15	147.29	-6,842.40	4,394.45	8,132.01	8,120.93	11.08	733.868		
700.00	700.00	677.00	677.00	2.29	10.90	147.29	-6,842.40	4,394.45	8,132.01	8,118.83	13.18	616.770		
800.00	800.00	777.00	777.00	2.64	12.64	147.29	-6,842.40	4,394.45	8,132.01	8,116.73	15.29	531.899		
900.00	899.98	876.98	876.98	3.00	14.39	87.72	-6,842.40	4,394.45	8,131.95	8,114.56	17.39	467.675		
1,000.00	999.84	976.84	976.84	3.35	16.13	87.76	-6,842.40	4,394.45	8,131.74	8,112.25	19.48	417.355		
1,100.00	1,099.45	1,076.45	1,076.45	3.71	17.87	87.83	-6,842.40	4,394.45	8,131.40	8,109.82	21.58	376.769		
1,200.00	1,198.70	1,175.70	1,175.70	4.08	19.60	87.92	-6,842.40	4,394.45	8,130.95	8,107.26	23.68	343.312		
1,300.00	1,297.47	1,274.47	1,274.47	4.47	21.33	88.04	-6,842.40	4,394.45	8,130.39	8,104.59	25.79	315.219		
1,400.00	1,395.62	1,372.62	1,372.62	4.87	23.04	88.18	-6,842.40	4,394.45	8,129.75	8,101.83	27.91	291.260		
1,500.00	1,493.06	1,470.06	1,470.06	5.31	24.74	88.35	-6,842.40	4,394.45	8,129.05	8,099.00	30.05	270.550		
1,600.00	1,589.64	1,566.64	1,566.64	5.77	26.43	88.54	-6,842.40	4,394.45	8,128.32	8,096.13	32.20	252.443		
1,700.00	1,685.27	1,662.27	1,662.27	6.28	28.10	88.76	-6,842.40	4,394.45	8,127.60	8,093.23	34.37	236.454		
1,800.00	1,779.82	1,756.82	1,756.82	6.83	29.75	88.99	-6,842.40	4,394.45	8,126.93	8,090.35	36.57	222.214		
1,900.00	1,873.17	1,850.17	1,850.17	7.43	31.38	89.23	-6,842.40	4,394.45	8,126.33	8,087.53	38.80	209.439		
2,000.00	1,965.21	1,942.21	1,942.21	8.08	32.98	89.50	-6,842.40	4,394.45	8,125.86	8,084.80	41.06	197.905		
2,100.00	2,055.84	2,032.84	2,032.84	8.79	34.56	89.77	-6,842.40	4,394.45	8,125.56	8,082.21	43.35	187.435		
2,179.72	2,127.00	2,104.00	2,104.00	9.40	35.81	90.00	-6,842.40	4,394.45	8,125.48	8,080.28	45.21	179.738		
2,200.00	2,144.94	2,121.94	2,121.94	9.56	36.12	90.06	-6,842.40	4,394.45	8,125.49	8,079.81	45.68	177.888		
2,300.00	2,232.39	2,209.39	2,209.39	10.39	37.64	90.35	-6,842.40	4,394.45	8,125.69	8,077.65	48.04	169.148		
2,400.00	2,318.11	2,304.89	2,295.11	11.30	39.31	90.65	-6,842.40	4,394.45	8,126.22	8,075.61	50.61	160.575		
2,504.60	2,405.78	2,382.78	2,382.78	12.31	40.67	90.97	-6,842.40	4,394.45	8,127.19	8,074.21	52.98	153.395		
2,600.00	2,484.79	2,461.79	2,461.79	13.28	42.05	91.28	-6,842.40	4,394.45	8,128.46	8,073.13	55.33	146.904		
2,700.00	2,567.60	2,544.60	2,544.60	14.32	43.50	91.61	-6,842.40	4,394.45	8,130.17	8,072.36	57.81	140.627		
2,800.00	2,650.41	2,627.41	2,627.41	15.37	44.94	91.94	-6,842.40	4,394.45	8,132.26	8,071.95	60.31	134.839		
2,900.00	2,733.23	2,710.23	2,710.23	16.44	46.39	92.27	-6,842.40	4,394.45	8,134.75	8,071.93	62.82	129.493		
3,000.00	2,816.04	2,806.96	2,793.04	17.52	48.07	92.59	-6,842.40	4,394.45	8,137.61	8,072.03	65.58	124.084		
3,100.00	2,898.85	2,875.85	2,875.85	18.60	49.28	92.92	-6,842.40	4,394.45	8,140.86	8,073.00	67.86	119.957		
3,200.00	2,981.67	2,958.67	2,958.67	19.69	50.72	93.24	-6,842.40	4,394.45	8,144.50	8,074.10	70.40	115.694		
3,300.00	3,064.48	3,041.48	3,041.48	20.79	52.17	93.57	-6,842.40	4,394.45	8,148.52	8,075.59	72.93	111.725		
3,400.00	3,147.30	3,124.30	3,124.30	21.90	53.61	93.90	-6,842.40	4,394.45	8,152.92	8,077.45	75.47	108.022		
3,500.00	3,230.11	3,207.11	3,207.11	23.00	55.06	94.22	-6,842.40	4,394.45	8,157.71	8,079.69	78.02	104.562		
3,600.00	3,312.92	3,289.92	3,289.92	24.12	56.50	94.55	-6,842.40	4,394.45	8,162.88	8,082.32	80.56	101.323		
3,700.00	3,395.74	3,372.74	3,372.74	25.23	57.95	94.87	-6,842.40	4,394.45	8,168.43	8,085.32	83.11	98.285		
3,800.00	3,478.55	3,455.55	3,455.55	26.35	59.39	95.20	-6,842.40	4,394.45	8,174.36	8,088.70	85.66	95.431		
3,900.00	3,561.36	3,538.36	3,538.36	27.47	60.84	95.52	-6,842.40	4,394.45	8,180.67	8,092.47	88.21	92.746		
4,000.00	3,644.18	3,621.18	3,621.18	28.59	62.29	95.85	-6,842.40	4,394.45	8,187.36	8,096.61	90.75	90.216		
4,100.00	3,726.99	3,703.99	3,703.99	29.72	63.73	96.17	-6,842.40	4,394.45	8,194.43	8,101.13	93.30	87.828		
4,200.00	3,809.81	3,786.81	3,786.81	30.85	65.18	96.49	-6,842.40	4,394.45	8,201.87	8,106.02	95.85	85.573		
4,300.00	3,892.62	3,869.62	3,869.62	31.98	66.62	96.82	-6,842.40	4,394.45	8,209.69	8,111.30	98.39	83.438		
4,400.00	3,975.43	3,952.43	3,952.43	33.11	68.07	97.14	-6,842.40	4,394.45	8,217.89	8,116.95	100.94	81.417		
4,500.00	4,058.25	4,035.25	4,035.25	34.24	69.51	97.46	-6,842.40	4,394.45	8,226.45	8,122.98	103.48	79.499		
4,600.00	4,141.06	4,118.06	4,118.06	35.37	70.96	97.78	-6,842.40	4,394.45	8,235.40	8,129.38	106.02	77.678		
4,700.00	4,223.87	4,200.87	4,200.87	36.50	72.40	98.10	-6,842.40	4,394.45	8,244.71	8,136.15	108.56	75.948		
4,800.00	4,306.69	4,283.69	4,283.69	37.64	73.85	98.42	-6,842.40	4,394.45	8,254.39	8,143.30	111.09	74.301		
4,900.00	4,389.50	4,366.50	4,366.50	38.77	75.29	98.74	-6,842.40	4,394.45	8,264.44	8,150.82	113.63	72.733		
5,000.00	4,472.32	4,449.32	4,449.32	39.91	76.74	99.06	-6,842.40	4,394.45	8,274.86	8,158.70	116.16	71.238		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT MANN 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,532.13	4,532.13	41.05	78.18	99.38	-6,842.40	4,394.45	8,285.65	8,166.96	118.69	69.811		
5,200.00	4,637.94	4,614.94	4,614.94	42.18	79.63	99.70	-6,842.40	4,394.45	8,296.80	8,175.59	121.21	68.449		
5,300.00	4,720.76	4,702.24	4,697.76	43.32	81.15	100.02	-6,842.40	4,394.45	8,308.31	8,184.50	123.81	67.104		
5,400.00	4,803.57	4,780.57	4,780.57	44.46	82.52	100.34	-6,842.40	4,394.45	8,320.18	8,193.93	126.25	65.901		
5,500.00	4,886.39	4,863.39	4,863.39	45.60	83.97	100.65	-6,842.40	4,394.45	8,332.42	8,203.65	128.77	64.709		
5,600.00	4,969.20	4,946.20	4,946.20	46.74	85.41	100.97	-6,842.40	4,394.45	8,345.01	8,213.73	131.28	63.567		
5,700.00	5,052.01	5,029.01	5,029.01	47.88	86.86	101.28	-6,842.40	4,394.45	8,357.96	8,224.18	133.79	62.472		
5,800.00	5,134.83	5,050.00	5,050.00	49.02	87.22	101.36	-6,842.40	4,394.45	8,371.50	8,236.30	135.20	61.920		
5,900.00	5,217.64	5,050.00	5,050.00	50.16	87.22	101.36	-6,842.40	4,394.45	8,386.18	8,249.95	136.22	61.563		
6,000.00	5,300.45	5,050.00	5,050.00	51.30	87.22	101.36	-6,842.40	4,394.45	8,402.02	8,264.79	137.23	61.227		
6,100.00	5,383.27	5,050.00	5,050.00	52.45	87.22	101.36	-6,842.40	4,394.45	8,419.02	8,280.80	138.22	60.912		
6,200.00	5,466.08	5,050.00	5,050.00	53.59	87.22	101.36	-6,842.40	4,394.45	8,437.17	8,297.99	139.19	60.618		
6,300.00	5,548.90	5,050.00	5,050.00	54.73	87.22	101.36	-6,842.40	4,394.45	8,456.47	8,316.33	140.14	60.345		
6,400.00	5,631.71	5,050.00	5,050.00	55.87	87.22	101.36	-6,842.40	4,394.45	8,476.90	8,335.83	141.07	60.091		
6,500.00	5,714.52	5,050.00	5,050.00	57.02	87.22	101.36	-6,842.40	4,394.45	8,498.46	8,356.48	141.98	59.856		
6,600.00	5,797.34	5,050.00	5,050.00	58.16	87.22	101.36	-6,842.40	4,394.45	8,521.14	8,378.26	142.88	59.640		
6,700.00	5,880.15	5,050.00	5,050.00	59.30	87.22	101.36	-6,842.40	4,394.45	8,544.93	8,401.18	143.75	59.443		
6,800.00	5,962.96	5,050.00	5,050.00	60.45	87.22	101.36	-6,842.40	4,394.45	8,569.82	8,425.21	144.61	59.263		
6,900.00	6,045.78	5,050.00	5,050.00	61.59	87.22	101.36	-6,842.40	4,394.45	8,595.80	8,450.35	145.44	59.101		
7,000.00	6,128.59	5,050.00	5,050.00	62.73	87.22	101.36	-6,842.40	4,394.45	8,622.86	8,476.60	146.26	58.955		
7,100.00	6,211.41	5,050.00	5,050.00	63.88	87.22	101.36	-6,842.40	4,394.45	8,650.99	8,503.93	147.06	58.827		
7,200.00	6,294.22	5,050.00	5,050.00	65.02	87.22	101.36	-6,842.40	4,394.45	8,680.19	8,532.35	147.84	58.714		
7,300.00	6,377.03	5,050.00	5,050.00	66.17	87.22	101.36	-6,842.40	4,394.45	8,710.43	8,561.83	148.60	58.617		
7,400.00	6,459.85	5,050.00	5,050.00	67.31	87.22	101.36	-6,842.40	4,394.45	8,741.72	8,592.38	149.34	58.535		
7,500.00	6,542.66	5,050.00	5,050.00	68.46	87.22	101.36	-6,842.40	4,394.45	8,774.03	8,623.97	150.06	58.468		
7,600.00	6,625.48	5,050.00	5,050.00	69.60	87.22	101.36	-6,842.40	4,394.45	8,807.36	8,656.59	150.77	58.416		
7,700.00	6,708.29	5,050.00	5,050.00	70.75	87.22	101.36	-6,842.40	4,394.45	8,841.69	8,690.24	151.46	58.378		
7,800.00	6,791.10	5,050.00	5,050.00	71.89	87.22	101.36	-6,842.40	4,394.45	8,877.02	8,724.90	152.12	58.354		
7,900.00	6,873.92	5,050.00	5,050.00	73.04	87.22	101.36	-6,842.40	4,394.45	8,913.33	8,760.56	152.77	58.344		
8,000.00	6,956.73	5,050.00	5,050.00	74.18	87.22	101.36	-6,842.40	4,394.45	8,950.61	8,797.21	153.40	58.346		
8,100.00	7,039.54	5,050.00	5,050.00	75.33	87.22	101.36	-6,842.40	4,394.45	8,988.85	8,834.83	154.02	58.362		
8,165.32	7,093.63	5,050.00	5,050.00	76.08	87.22	101.36	-6,842.40	4,394.45	9,014.34	8,859.93	154.41	58.379		
8,200.00	7,122.60	5,050.00	5,050.00	76.47	87.22	96.89	-6,842.40	4,394.45	9,027.10	8,872.48	154.61	58.385		
8,250.00	7,165.05	5,050.00	5,050.00	77.01	87.22	89.62	-6,842.40	4,394.45	9,042.32	8,887.42	154.90	58.376		
8,300.00	7,208.03	5,050.00	5,050.00	77.52	87.22	81.61	-6,842.40	4,394.45	9,053.73	8,898.56	155.17	58.348		
8,350.00	7,251.22	5,050.00	5,050.00	77.99	87.22	73.23	-6,842.40	4,394.45	9,061.24	8,905.82	155.42	58.302		
8,400.00	7,294.28	5,050.00	5,050.00	78.41	87.22	64.91	-6,842.40	4,394.45	9,064.81	8,909.16	155.65	58.240		
8,450.00	7,336.90	5,050.00	5,050.00	78.78	87.22	57.06	-6,842.40	4,394.45	9,064.41	8,908.57	155.84	58.163		
8,500.00	7,378.73	5,050.00	5,050.00	79.10	87.22	49.93	-6,842.40	4,394.45	9,060.06	8,904.04	156.01	58.073		
8,550.00	7,419.47	5,050.00	5,050.00	79.37	87.22	43.62	-6,842.40	4,394.45	9,051.77	8,895.62	156.15	57.969		
8,600.00	7,458.81	5,050.00	5,050.00	79.59	87.22	38.11	-6,842.40	4,394.45	9,039.59	8,883.34	156.25	57.853		
8,650.00	7,496.44	5,050.00	5,050.00	79.76	87.22	33.31	-6,842.40	4,394.45	9,023.62	8,867.30	156.32	57.724		
8,700.00	7,532.08	5,050.00	5,050.00	79.88	87.22	29.11	-6,842.40	4,394.45	9,003.94	8,847.58	156.36	57.584		
8,750.00	7,565.46	5,050.00	5,050.00	79.95	87.22	25.38	-6,842.40	4,394.45	8,980.69	8,824.31	156.37	57.432		
8,800.00	7,596.33	5,050.00	5,050.00	79.98	87.22	21.98	-6,842.40	4,394.45	8,954.00	8,797.65	156.35	57.268		
8,850.00	7,624.44	5,050.00	5,050.00	79.97	87.22	18.81	-6,842.40	4,394.45	8,924.07	8,767.76	156.31	57.093		
8,900.00	7,649.59	5,050.00	5,050.00	79.93	87.22	15.72	-6,842.40	4,394.45	8,891.08	8,734.84	156.24	56.907		
8,950.00	7,671.59	5,050.00	5,050.00	79.84	87.22	12.59	-6,842.40	4,394.45	8,855.25	8,699.10	156.15	56.710		
9,000.00	7,690.26	5,050.00	5,050.00	79.73	87.22	9.24	-6,842.40	4,394.45	8,816.82	8,660.77	156.04	56.503		
9,050.00	7,705.47	5,050.00	5,050.00	79.59	87.22	5.47	-6,842.40	4,394.45	8,776.05	8,620.13	155.92	56.286		
9,100.00	7,717.09	5,050.00	5,050.00	79.43	87.22	0.95	-6,842.40	4,394.45	8,733.22	8,577.43	155.79	56.058		
9,150.00	7,725.04	5,050.00	5,050.00	79.26	87.22	-4.77	-6,842.40	4,394.45	8,688.63	8,532.98	155.65	55.822		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT MANN 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	5,050.00	5,050.00	79.06	87.22	-12.41	-6,842.40	4,394.45	8,642.60	8,487.09	155.51	55.577		
9,231.13	7,730.00	5,050.00	5,050.00	78.93	87.22	-18.56	-6,842.40	4,394.45	8,613.35	8,457.93	155.42	55.420		
9,300.00	7,730.00	5,050.00	5,050.00	78.65	87.22	-18.56	-6,842.40	4,394.45	8,548.26	8,393.04	155.22	55.072		
9,400.00	7,730.00	5,050.00	5,050.00	78.26	87.22	-18.56	-6,842.40	4,394.45	8,453.85	8,298.92	154.92	54.568		
9,500.00	7,730.00	5,050.00	5,050.00	77.89	87.22	-18.56	-6,842.40	4,394.45	8,359.57	8,204.95	154.62	54.064		
9,600.00	7,730.00	5,050.00	5,050.00	77.53	87.22	-18.56	-6,842.40	4,394.45	8,265.43	8,111.11	154.32	53.562		
9,700.00	7,730.00	5,050.00	5,050.00	77.19	87.22	-18.56	-6,842.40	4,394.45	8,171.42	8,017.42	154.00	53.061		
9,800.00	7,730.00	5,050.00	5,050.00	76.88	87.22	-18.56	-6,842.40	4,394.45	8,077.56	7,923.88	153.68	52.561		
9,900.00	7,730.00	5,050.00	5,050.00	76.58	87.22	-18.56	-6,842.40	4,394.45	7,983.85	7,830.50	153.35	52.062		
10,000.00	7,730.00	5,050.00	5,050.00	76.30	87.22	-18.56	-6,842.40	4,394.45	7,890.29	7,737.27	153.02	51.565		
10,100.00	7,730.00	5,050.00	5,050.00	76.04	87.22	-18.56	-6,842.40	4,394.45	7,796.89	7,644.22	152.68	51.068		
10,200.00	7,730.00	5,050.00	5,050.00	75.79	87.22	-18.56	-6,842.40	4,394.45	7,703.66	7,551.34	152.33	50.574		
10,300.00	7,730.00	5,050.00	5,050.00	75.57	87.22	-18.56	-6,842.40	4,394.45	7,610.60	7,458.64	151.97	50.080		
10,400.00	7,730.00	5,050.00	5,050.00	75.36	87.22	-18.56	-6,842.40	4,394.45	7,517.72	7,366.12	151.60	49.589		
10,500.00	7,730.00	5,050.00	5,050.00	75.18	87.22	-18.56	-6,842.40	4,394.45	7,425.02	7,273.80	151.23	49.098		
10,600.00	7,730.00	5,050.00	5,050.00	75.01	87.22	-18.56	-6,842.40	4,394.45	7,332.52	7,181.68	150.84	48.610		
10,700.00	7,730.00	5,050.00	5,050.00	74.86	87.22	-18.56	-6,842.40	4,394.45	7,240.21	7,089.76	150.45	48.123		
10,800.00	7,730.00	5,050.00	5,050.00	74.74	87.22	-18.56	-6,842.40	4,394.45	7,148.12	6,998.06	150.05	47.638		
10,900.00	7,730.00	5,050.00	5,050.00	74.64	87.22	-18.56	-6,842.40	4,394.45	7,056.23	6,906.59	149.64	47.154		
11,000.00	7,730.00	5,050.00	5,050.00	74.56	87.22	-18.56	-6,842.40	4,394.45	6,964.57	6,815.35	149.22	46.672		
11,100.00	7,730.00	5,050.00	5,050.00	74.51	87.22	-18.56	-6,842.40	4,394.45	6,873.15	6,724.35	148.79	46.193		
11,200.00	7,730.00	5,050.00	5,050.00	74.48	87.22	-18.56	-6,842.40	4,394.45	6,781.96	6,633.61	148.35	45.715		
11,300.00	7,730.00	5,050.00	5,050.00	74.48	87.22	-18.56	-6,842.40	4,394.45	6,691.03	6,543.12	147.90	45.239		
11,400.00	7,730.00	5,050.00	5,050.00	74.50	87.22	-18.56	-6,842.40	4,394.45	6,600.36	6,452.91	147.44	44.765		
11,500.00	7,730.00	5,050.00	5,050.00	74.56	87.22	-18.56	-6,842.40	4,394.45	6,509.96	6,362.99	146.97	44.293		
11,600.00	7,730.00	5,050.00	5,050.00	74.66	87.22	-18.56	-6,842.40	4,394.45	6,419.85	6,273.35	146.49	43.824		
11,700.00	7,730.00	5,050.00	5,050.00	74.79	87.22	-18.56	-6,842.40	4,394.45	6,330.03	6,184.03	146.00	43.357		
11,800.00	7,730.00	5,050.00	5,050.00	74.96	87.22	-18.56	-6,842.40	4,394.45	6,240.52	6,095.03	145.49	42.892		
11,900.00	7,730.00	5,050.00	5,050.00	75.17	87.22	-18.56	-6,842.40	4,394.45	6,151.34	6,006.36	144.98	42.430		
12,000.00	7,730.00	5,050.00	5,050.00	75.43	87.22	-18.56	-6,842.40	4,394.45	6,062.50	5,918.05	144.45	41.970		
12,100.00	7,730.00	5,050.00	5,050.00	75.73	87.22	-18.56	-6,842.40	4,394.45	5,974.00	5,830.09	143.91	41.512		
12,200.00	7,730.00	5,050.00	5,050.00	76.09	87.22	-18.56	-6,842.40	4,394.45	5,885.88	5,742.52	143.36	41.057		
12,300.00	7,730.00	5,050.00	5,050.00	76.51	87.22	-18.56	-6,842.40	4,394.45	5,798.14	5,655.35	142.79	40.605		
12,400.00	7,730.00	5,050.00	5,050.00	76.97	87.22	-18.56	-6,842.40	4,394.45	5,710.80	5,568.59	142.22	40.156		
12,500.00	7,730.00	5,050.00	5,050.00	77.50	87.22	-18.56	-6,842.40	4,394.45	5,623.89	5,482.26	141.63	39.709		
12,600.00	7,730.00	5,050.00	5,050.00	78.09	87.22	-18.56	-6,842.40	4,394.45	5,537.42	5,396.39	141.03	39.265		
12,700.00	7,730.00	5,050.00	5,050.00	78.74	87.22	-18.56	-6,842.40	4,394.45	5,451.41	5,311.00	140.41	38.824		
12,800.00	7,730.00	5,050.00	5,050.00	79.45	87.22	-18.56	-6,842.40	4,394.45	5,365.88	5,226.10	139.79	38.386		
12,900.00	7,730.00	5,050.00	5,050.00	80.22	87.22	-18.56	-6,842.40	4,394.45	5,280.87	5,141.72	139.15	37.951		
13,000.00	7,730.00	5,050.00	5,050.00	81.05	87.22	-18.56	-6,842.40	4,394.45	5,196.39	5,057.89	138.50	37.519		
13,100.00	7,730.00	5,050.00	5,050.00	81.94	87.22	-18.56	-6,842.40	4,394.45	5,112.46	4,974.62	137.84	37.090		
13,200.00	7,730.00	5,050.00	5,050.00	82.87	87.22	-18.56	-6,842.40	4,394.45	5,029.13	4,891.96	137.17	36.664		
13,300.00	7,730.00	5,050.00	5,050.00	83.86	87.22	-18.56	-6,842.40	4,394.45	4,946.41	4,809.93	136.49	36.241		
13,400.00	7,730.00	5,050.00	5,050.00	84.90	87.22	-18.56	-6,842.40	4,394.45	4,864.35	4,728.55	135.80	35.821		
13,500.00	7,730.00	5,050.00	5,050.00	85.97	87.22	-18.56	-6,842.40	4,394.45	4,782.96	4,647.87	135.10	35.404		
13,600.00	7,730.00	5,050.00	5,050.00	87.09	87.22	-18.56	-6,842.40	4,394.45	4,702.29	4,567.91	134.39	34.990		
13,700.00	7,730.00	5,050.00	5,050.00	88.25	87.22	-18.56	-6,842.40	4,394.45	4,622.38	4,488.71	133.67	34.579		
13,800.00	7,730.00	5,050.00	5,050.00	89.44	87.22	-18.56	-6,842.40	4,394.45	4,543.27	4,410.31	132.96	34.171		
13,900.00	7,730.00	5,050.00	5,050.00	90.66	87.22	-18.56	-6,842.40	4,394.45	4,464.99	4,332.76	132.23	33.766		
14,000.00	7,730.00	5,050.00	5,050.00	91.92	87.22	-18.56	-6,842.40	4,394.45	4,387.60	4,256.09	131.51	33.363		
14,100.00	7,730.00	5,050.00	5,050.00	93.20	87.22	-18.56	-6,842.40	4,394.45	4,311.13	4,180.35	130.79	32.963		
14,200.00	7,730.00	5,050.00	5,050.00	94.50	87.22	-18.56	-6,842.40	4,394.45	4,235.65	4,105.58	130.07	32.566		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT MANN 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	5,050.00	5,050.00	95.83	87.22	-18.56	-6,842.40	4,394.45	4,161.20	4,031.85	129.35	32.170		
14,400.00	7,730.00	5,050.00	5,050.00	97.17	87.22	-18.56	-6,842.40	4,394.45	4,087.84	3,959.20	128.64	31.777		
14,500.00	7,730.00	5,050.00	5,050.00	98.54	87.22	-18.56	-6,842.40	4,394.45	4,015.63	3,887.69	127.94	31.387		
14,600.00	7,730.00	5,050.00	5,050.00	99.92	87.22	-18.56	-6,842.40	4,394.45	3,944.64	3,817.38	127.26	30.998		
14,700.00	7,730.00	5,050.00	5,050.00	101.32	87.22	-18.56	-6,842.40	4,394.45	3,874.92	3,748.33	126.59	30.611		
14,800.00	7,730.00	5,050.00	5,050.00	102.74	87.22	-18.56	-6,842.40	4,394.45	3,806.56	3,680.62	125.94	30.226		
14,900.00	7,730.00	5,050.00	5,050.00	104.17	87.22	-18.56	-6,842.40	4,394.45	3,739.62	3,614.31	125.31	29.843		
15,000.00	7,730.00	5,050.00	5,050.00	105.62	87.22	-18.56	-6,842.40	4,394.45	3,674.18	3,549.47	124.71	29.461		
15,100.00	7,730.00	5,050.00	5,050.00	107.07	87.22	-18.56	-6,842.40	4,394.45	3,610.32	3,486.18	124.14	29.082		
15,200.00	7,730.00	5,050.00	5,050.00	108.54	87.22	-18.56	-6,842.40	4,394.45	3,548.14	3,424.53	123.61	28.705		
15,300.00	7,730.00	5,050.00	5,050.00	110.02	87.22	-18.56	-6,842.40	4,394.45	3,487.72	3,364.60	123.11	28.330		
15,400.00	7,730.00	5,050.00	5,050.00	111.51	87.22	-18.56	-6,842.40	4,394.45	3,429.14	3,306.49	122.66	27.957		
15,500.00	7,730.00	5,050.00	5,050.00	113.01	87.22	-18.56	-6,842.40	4,394.45	3,372.52	3,250.27	122.24	27.588		
15,600.00	7,730.00	5,050.00	5,050.00	114.52	87.22	-18.56	-6,842.40	4,394.45	3,317.94	3,196.06	121.88	27.223		
15,700.00	7,730.00	5,050.00	5,050.00	116.04	87.22	-18.56	-6,842.40	4,394.45	3,265.52	3,143.94	121.57	26.861		
15,800.00	7,730.00	5,050.00	5,050.00	117.56	87.22	-18.56	-6,842.40	4,394.45	3,215.35	3,094.03	121.32	26.504		
15,900.00	7,730.00	5,050.00	5,050.00	119.09	87.22	-18.56	-6,842.40	4,394.45	3,167.54	3,046.42	121.12	26.152		
16,000.00	7,730.00	5,050.00	5,050.00	120.63	87.22	-18.56	-6,842.40	4,394.45	3,122.20	3,001.22	120.99	25.806		
16,100.00	7,730.00	5,050.00	5,050.00	122.18	87.22	-18.56	-6,842.40	4,394.45	3,079.45	2,958.53	120.92	25.466		
16,200.00	7,730.00	5,050.00	5,050.00	123.73	87.22	-18.56	-6,842.40	4,394.45	3,039.39	2,918.46	120.93	25.133		
16,300.00	7,730.00	5,050.00	5,050.00	125.29	87.22	-18.56	-6,842.40	4,394.45	3,002.12	2,881.10	121.02	24.806		
16,400.00	7,730.00	5,050.00	5,050.00	126.86	87.22	-18.56	-6,842.40	4,394.45	2,967.76	2,846.56	121.20	24.487		
16,500.00	7,730.00	5,050.00	5,050.00	128.43	87.22	-18.56	-6,842.40	4,394.45	2,936.40	2,814.92	121.48	24.173		
16,600.00	7,730.00	5,050.00	5,050.00	130.01	87.22	-18.56	-6,842.40	4,394.45	2,908.15	2,786.28	121.86	23.864		
16,700.00	7,730.00	5,050.00	5,050.00	131.59	87.22	-18.56	-6,842.40	4,394.45	2,883.08	2,760.71	122.37	23.559		
16,800.00	7,730.00	5,050.00	5,050.00	133.18	87.22	-18.56	-6,842.40	4,394.45	2,861.30	2,738.27	123.03	23.257		
16,900.00	7,730.00	5,050.00	5,050.00	134.77	87.22	-18.56	-6,842.40	4,394.45	2,842.87	2,719.03	123.84	22.956		
17,000.00	7,730.00	5,050.00	5,050.00	136.37	87.22	-18.56	-6,842.40	4,394.45	2,827.85	2,703.02	124.83	22.654		
17,100.00	7,730.00	5,050.00	5,050.00	137.97	87.22	-18.56	-6,842.40	4,394.45	2,816.31	2,690.30	126.01	22.350		
17,200.00	7,730.00	5,050.00	5,050.00	139.57	87.22	-18.56	-6,842.40	4,394.45	2,808.28	2,680.88	127.40	22.042		
17,300.00	7,730.00	5,050.00	5,050.00	141.18	87.22	-18.56	-6,842.40	4,394.45	2,803.80	2,674.79	129.01	21.732		
17,375.71	7,730.00	5,050.00	5,050.00	142.40	87.22	-18.56	-6,842.40	4,394.45	2,802.78	2,672.40	130.38	21.497 CC		
17,400.00	7,730.00	5,050.00	5,050.00	142.79	87.22	-18.56	-6,842.40	4,394.45	2,802.89	2,672.04	130.84	21.422 ES		
17,500.00	7,730.00	5,050.00	5,050.00	144.41	87.22	-18.56	-6,842.40	4,394.45	2,805.54	2,672.65	132.88	21.113		
17,600.00	7,730.00	5,050.00	5,050.00	146.03	87.22	-18.56	-6,842.40	4,394.45	2,811.74	2,676.63	135.11	20.811		
17,700.00	7,730.00	5,050.00	5,050.00	147.65	87.22	-18.56	-6,842.40	4,394.45	2,821.48	2,683.97	137.51	20.519		
17,800.00	7,730.00	5,050.00	5,050.00	149.28	87.22	-18.56	-6,842.40	4,394.45	2,834.71	2,694.68	140.03	20.243		
17,900.00	7,730.00	5,050.00	5,050.00	150.91	87.22	-18.56	-6,842.40	4,394.45	2,851.40	2,708.74	142.66	19.988		
18,000.00	7,730.00	5,050.00	5,050.00	152.54	87.22	-18.56	-6,842.40	4,394.45	2,871.47	2,726.13	145.34	19.757		
18,100.00	7,730.00	5,050.00	5,050.00	154.18	87.22	-18.56	-6,842.40	4,394.45	2,894.85	2,746.80	148.05	19.553		
18,200.00	7,730.00	5,050.00	5,050.00	155.82	87.22	-18.56	-6,842.40	4,394.45	2,921.48	2,770.72	150.75	19.379		
18,300.00	7,730.00	5,050.00	5,050.00	157.46	87.22	-18.56	-6,842.40	4,394.45	2,951.25	2,797.83	153.42	19.236		
18,400.00	7,730.00	5,050.00	5,050.00	159.11	87.22	-18.56	-6,842.40	4,394.45	2,984.08	2,828.04	156.04	19.124		
18,500.00	7,730.00	5,050.00	5,050.00	160.75	87.22	-18.56	-6,842.40	4,394.45	3,019.87	2,861.29	158.58	19.044		
18,600.00	7,730.00	5,050.00	5,050.00	162.40	87.22	-18.56	-6,842.40	4,394.45	3,058.51	2,897.48	161.03	18.994		
18,700.00	7,730.00	5,050.00	5,050.00	164.05	87.22	-18.56	-6,842.40	4,394.45	3,099.89	2,936.52	163.37	18.974 SF		
18,800.00	7,730.00	5,050.00	5,050.00	165.71	87.22	-18.56	-6,842.40	4,394.45	3,143.91	2,978.30	165.61	18.984		
18,900.00	7,730.00	5,050.00	5,050.00	167.36	87.22	-18.56	-6,842.40	4,394.45	3,190.46	3,022.72	167.74	19.021		
18,942.39	7,730.00	5,050.00	5,050.00	168.07	87.22	-18.56	-6,842.40	4,394.45	3,210.93	3,042.33	168.60	19.044		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT MANN 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	151.83	-8,182.62	4,382.36	9,282.32					
100.00	100.00	68.00	68.00	0.13	0.56	151.83	-8,182.62	4,382.36	9,282.26	9,281.56	0.70	N/A		
200.00	200.00	168.00	168.00	0.49	2.02	151.83	-8,182.62	4,382.36	9,282.26	9,279.75	2.51	3,699.947		
300.00	300.00	268.00	268.00	0.85	3.76	151.83	-8,182.62	4,382.36	9,282.26	9,277.65	4.61	2,012.390		
400.00	400.00	368.00	368.00	1.21	5.51	151.83	-8,182.62	4,382.36	9,282.26	9,275.54	6.72	1,382.038		
500.00	500.00	468.00	468.00	1.57	7.25	151.83	-8,182.62	4,382.36	9,282.26	9,273.44	8.82	1,052.392		
600.00	600.00	568.00	568.00	1.93	9.00	151.83	-8,182.62	4,382.36	9,282.26	9,271.34	10.92	849.716		
700.00	700.00	668.00	668.00	2.29	10.74	151.83	-8,182.62	4,382.36	9,282.26	9,269.23	13.03	712.499		
800.00	800.00	768.00	768.00	2.64	12.49	151.83	-8,182.62	4,382.36	9,282.26	9,267.13	15.13	613.437		
900.00	899.98	867.98	867.98	3.00	14.23	92.25	-8,182.62	4,382.36	9,282.33	9,265.10	17.23	538.699		
1,000.00	999.84	967.84	967.84	3.35	15.98	92.28	-8,182.62	4,382.36	9,282.54	9,263.21	19.33	480.285		
1,100.00	1,099.45	1,067.45	1,067.45	3.71	17.71	92.33	-8,182.62	4,382.36	9,282.89	9,261.46	21.43	433.268		
1,200.00	1,198.70	1,166.70	1,166.70	4.08	19.45	92.39	-8,182.62	4,382.36	9,283.39	9,259.87	23.53	394.575		
1,300.00	1,297.47	1,265.47	1,265.47	4.47	21.17	92.47	-8,182.62	4,382.36	9,284.06	9,258.43	25.64	362.136		
1,400.00	1,395.62	1,363.62	1,363.62	4.87	22.88	92.57	-8,182.62	4,382.36	9,284.92	9,257.16	27.76	334.508		
1,500.00	1,493.06	1,461.06	1,461.06	5.31	24.58	92.68	-8,182.62	4,382.36	9,285.98	9,256.09	29.89	310.658		
1,600.00	1,589.64	1,557.64	1,557.64	5.77	26.27	92.81	-8,182.62	4,382.36	9,287.26	9,255.22	32.04	289.829		
1,700.00	1,685.27	1,653.27	1,653.27	6.28	27.94	92.95	-8,182.62	4,382.36	9,288.80	9,254.58	34.22	271.456		
1,800.00	1,779.82	1,747.82	1,747.82	6.83	29.59	93.11	-8,182.62	4,382.36	9,290.62	9,254.20	36.42	255.110		
1,900.00	1,873.17	1,841.17	1,841.17	7.43	31.22	93.27	-8,182.62	4,382.36	9,292.76	9,254.11	38.65	240.460		
2,000.00	1,965.21	1,933.21	1,933.21	8.08	32.82	93.44	-8,182.62	4,382.36	9,295.24	9,254.34	40.90	227.246		
2,100.00	2,055.84	2,023.84	2,023.84	8.79	34.41	93.62	-8,182.62	4,382.36	9,298.11	9,254.92	43.19	215.263		
2,200.00	2,144.94	2,112.94	2,112.94	9.56	35.96	93.80	-8,182.62	4,382.36	9,301.41	9,255.89	45.52	204.344		
2,300.00	2,232.39	2,200.39	2,200.39	10.39	37.49	93.99	-8,182.62	4,382.36	9,305.18	9,257.30	47.88	194.356		
2,400.00	2,318.11	2,286.11	2,286.11	11.30	38.98	94.17	-8,182.62	4,382.36	9,309.45	9,259.18	50.27	185.188		
2,504.60	2,405.78	2,373.78	2,373.78	12.31	40.51	94.37	-8,182.62	4,382.36	9,314.52	9,261.71	52.81	176.375		
2,600.00	2,484.79	2,452.79	2,452.79	13.28	41.89	94.64	-8,182.62	4,382.36	9,319.58	9,264.43	55.15	168.973		
2,700.00	2,567.60	2,535.60	2,535.60	14.32	43.34	94.92	-8,182.62	4,382.36	9,325.21	9,267.58	57.63	161.813		
2,800.00	2,650.41	2,618.41	2,618.41	15.37	44.78	95.21	-8,182.62	4,382.36	9,331.18	9,271.06	60.12	155.212		
2,900.00	2,733.23	2,701.23	2,701.23	16.44	46.23	95.49	-8,182.62	4,382.36	9,337.48	9,274.86	62.62	149.114		
3,000.00	2,816.04	2,784.04	2,784.04	17.52	47.67	95.78	-8,182.62	4,382.36	9,344.11	9,278.98	65.13	143.470		
3,100.00	2,898.85	2,866.85	2,866.85	18.60	49.12	96.06	-8,182.62	4,382.36	9,351.07	9,283.43	67.65	138.235		
3,200.00	2,981.67	2,949.67	2,949.67	19.69	50.57	96.34	-8,182.62	4,382.36	9,358.36	9,288.20	70.17	133.370		
3,300.00	3,064.48	3,032.48	3,032.48	20.79	52.01	96.63	-8,182.62	4,382.36	9,365.99	9,293.29	72.69	128.840		
3,400.00	3,147.30	3,115.30	3,115.30	21.90	53.46	96.91	-8,182.62	4,382.36	9,373.94	9,298.71	75.22	124.613		
3,500.00	3,230.11	3,201.89	3,198.11	23.00	54.97	97.19	-8,182.62	4,382.36	9,382.22	9,304.40	77.82	120.559		
3,600.00	3,312.92	3,280.92	3,280.92	24.12	56.35	97.47	-8,182.62	4,382.36	9,390.83	9,310.54	80.29	116.961		
3,700.00	3,395.74	3,363.74	3,363.74	25.23	57.79	97.76	-8,182.62	4,382.36	9,399.76	9,316.93	82.82	113.490		
3,800.00	3,478.55	3,446.55	3,446.55	26.35	59.24	98.04	-8,182.62	4,382.36	9,409.02	9,323.66	85.36	110.228		
3,900.00	3,561.36	3,529.36	3,529.36	27.47	60.68	98.32	-8,182.62	4,382.36	9,418.60	9,330.71	87.90	107.157		
4,000.00	3,644.18	3,612.18	3,612.18	28.59	62.13	98.60	-8,182.62	4,382.36	9,428.51	9,338.08	90.43	104.263		
4,100.00	3,726.99	3,705.01	3,694.99	29.72	63.75	98.88	-8,182.62	4,382.36	9,438.74	9,345.60	93.14	101.340		
4,200.00	3,809.81	3,777.81	3,777.81	30.85	65.02	99.16	-8,182.62	4,382.36	9,449.29	9,353.79	95.50	98.947		
4,300.00	3,892.62	3,860.62	3,860.62	31.98	66.46	99.44	-8,182.62	4,382.36	9,460.16	9,362.13	98.03	96.502		
4,400.00	3,975.43	3,943.43	3,943.43	33.11	67.91	99.72	-8,182.62	4,382.36	9,471.35	9,370.79	100.56	94.185		
4,500.00	4,058.25	4,026.25	4,026.25	34.24	69.35	99.99	-8,182.62	4,382.36	9,482.86	9,379.77	103.09	91.986		
4,600.00	4,141.06	4,109.06	4,109.06	35.37	70.80	100.27	-8,182.62	4,382.36	9,494.68	9,389.07	105.62	89.897		
4,700.00	4,223.87	4,208.13	4,191.87	36.50	72.53	100.55	-8,182.62	4,382.36	9,506.83	9,398.40	108.43	87.680		
4,800.00	4,306.69	4,274.69	4,274.69	37.64	73.69	100.83	-8,182.62	4,382.36	9,519.28	9,408.61	110.67	86.018		
4,900.00	4,389.50	4,357.50	4,357.50	38.77	75.14	101.10	-8,182.62	4,382.36	9,532.05	9,418.86	113.19	84.215		
5,000.00	4,472.32	4,440.32	4,440.32	39.91	76.58	101.38	-8,182.62	4,382.36	9,545.13	9,429.43	115.71	82.495		
5,100.00	4,555.13	4,523.13	4,523.13	41.05	78.03	101.65	-8,182.62	4,382.36	9,558.52	9,440.30	118.22	80.853		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT MANN 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,605.94	4,605.94	42.18	79.47	101.93	-8,182.62	4,382.36	9,572.23	9,451.49	120.73	79.284		
5,300.00	4,720.76	4,688.76	4,688.76	43.32	80.92	102.20	-8,182.62	4,382.36	9,586.23	9,462.99	123.24	77.783		
5,400.00	4,803.57	4,771.57	4,771.57	44.46	82.36	102.48	-8,182.62	4,382.36	9,600.55	9,474.80	125.75	76.346		
5,500.00	4,886.39	4,854.39	4,854.39	45.60	83.81	102.75	-8,182.62	4,382.36	9,615.17	9,486.92	128.25	74.970		
5,600.00	4,969.20	4,937.20	4,937.20	46.74	85.25	103.02	-8,182.62	4,382.36	9,630.10	9,499.34	130.75	73.650		
5,700.00	5,052.01	5,020.01	5,020.01	47.88	86.70	103.29	-8,182.62	4,382.36	9,645.33	9,512.08	133.25	72.384		
5,800.00	5,134.83	5,048.00	5,048.00	49.02	87.19	103.39	-8,182.62	4,382.36	9,661.01	9,526.24	134.78	71.681		
5,900.00	5,217.64	5,048.00	5,048.00	50.16	87.19	103.39	-8,182.62	4,382.36	9,677.67	9,541.87	135.80	71.265		
6,000.00	5,300.45	5,048.00	5,048.00	51.30	87.19	103.39	-8,182.62	4,382.36	9,695.32	9,558.52	136.80	70.871		
6,100.00	5,383.27	5,048.00	5,048.00	52.45	87.19	103.39	-8,182.62	4,382.36	9,713.98	9,576.18	137.79	70.497		
6,200.00	5,466.08	5,048.00	5,048.00	53.59	87.19	103.39	-8,182.62	4,382.36	9,733.62	9,594.85	138.77	70.142		
6,300.00	5,548.90	5,048.00	5,048.00	54.73	87.19	103.39	-8,182.62	4,382.36	9,754.25	9,614.52	139.73	69.807		
6,400.00	5,631.71	5,048.00	5,048.00	55.87	87.19	103.39	-8,182.62	4,382.36	9,775.86	9,635.18	140.68	69.491		
6,500.00	5,714.52	5,048.00	5,048.00	57.02	87.19	103.39	-8,182.62	4,382.36	9,798.44	9,656.83	141.61	69.193		
6,600.00	5,797.34	5,048.00	5,048.00	58.16	87.19	103.39	-8,182.62	4,382.36	9,821.99	9,679.47	142.53	68.913		
6,700.00	5,880.15	5,048.00	5,048.00	59.30	87.19	103.39	-8,182.62	4,382.36	9,846.50	9,703.07	143.43	68.650		
6,800.00	5,962.96	5,048.00	5,048.00	60.45	87.19	103.39	-8,182.62	4,382.36	9,871.96	9,727.65	144.32	68.405		
6,900.00	6,045.78	5,048.00	5,048.00	61.59	87.19	103.39	-8,182.62	4,382.36	9,898.37	9,753.18	145.19	68.176		
7,000.00	6,128.59	5,048.00	5,048.00	62.73	87.19	103.39	-8,182.62	4,382.36	9,925.71	9,779.67	146.05	67.963		
7,100.00	6,211.41	5,048.00	5,048.00	63.88	87.19	103.39	-8,182.62	4,382.36	9,953.98	9,807.10	146.89	67.766		
7,200.00	6,294.22	5,048.00	5,048.00	65.02	87.19	103.39	-8,182.62	4,382.36	9,983.18	9,835.46	147.71	67.585		
9,150.00	7,725.04	5,048.00	5,048.00	79.26	87.19	-3.02	-8,182.62	4,382.36	9,964.25	9,807.02	157.23	63.373		
9,200.00	7,729.27	5,048.00	5,048.00	79.06	87.19	-11.41	-8,182.62	4,382.36	9,917.41	9,760.29	157.13	63.117		
9,231.13	7,730.00	5,048.00	5,048.00	78.93	87.19	-18.46	-8,182.62	4,382.36	9,887.72	9,730.65	157.06	62.954		
9,300.00	7,730.00	5,048.00	5,048.00	78.65	87.19	-18.46	-8,182.62	4,382.36	9,821.68	9,664.77	156.91	62.595		
9,400.00	7,730.00	5,048.00	5,048.00	78.26	87.19	-18.46	-8,182.62	4,382.36	9,725.85	9,569.16	156.68	62.073		
9,500.00	7,730.00	5,048.00	5,048.00	77.89	87.19	-18.46	-8,182.62	4,382.36	9,630.11	9,473.65	156.46	61.552		
9,600.00	7,730.00	5,048.00	5,048.00	77.53	87.19	-18.46	-8,182.62	4,382.36	9,534.45	9,378.23	156.22	61.031		
9,700.00	7,730.00	5,048.00	5,048.00	77.19	87.19	-18.46	-8,182.62	4,382.36	9,438.89	9,282.90	155.99	60.511		
9,800.00	7,730.00	5,048.00	5,048.00	76.88	87.19	-18.46	-8,182.62	4,382.36	9,343.41	9,187.67	155.74	59.992		
9,900.00	7,730.00	5,048.00	5,048.00	76.58	87.19	-18.46	-8,182.62	4,382.36	9,248.04	9,092.54	155.50	59.473		
10,000.00	7,730.00	5,048.00	5,048.00	76.30	87.19	-18.46	-8,182.62	4,382.36	9,152.76	8,997.51	155.25	58.955		
10,100.00	7,730.00	5,048.00	5,048.00	76.04	87.19	-18.46	-8,182.62	4,382.36	9,057.58	8,902.59	155.00	58.438		
10,200.00	7,730.00	5,048.00	5,048.00	75.79	87.19	-18.46	-8,182.62	4,382.36	8,962.51	8,807.77	154.74	57.921		
10,300.00	7,730.00	5,048.00	5,048.00	75.57	87.19	-18.46	-8,182.62	4,382.36	8,867.55	8,713.07	154.47	57.405		
10,400.00	7,730.00	5,048.00	5,048.00	75.36	87.19	-18.46	-8,182.62	4,382.36	8,772.70	8,618.49	154.21	56.890		
10,500.00	7,730.00	5,048.00	5,048.00	75.18	87.19	-18.46	-8,182.62	4,382.36	8,677.96	8,524.03	153.93	56.375		
10,600.00	7,730.00	5,048.00	5,048.00	75.01	87.19	-18.46	-8,182.62	4,382.36	8,583.35	8,429.69	153.65	55.862		
10,700.00	7,730.00	5,048.00	5,048.00	74.86	87.19	-18.46	-8,182.62	4,382.36	8,488.85	8,335.48	153.37	55.349		
10,800.00	7,730.00	5,048.00	5,048.00	74.74	87.19	-18.46	-8,182.62	4,382.36	8,394.49	8,241.41	153.08	54.837		
10,900.00	7,730.00	5,048.00	5,048.00	74.64	87.19	-18.46	-8,182.62	4,382.36	8,300.26	8,147.47	152.79	54.326		
11,000.00	7,730.00	5,048.00	5,048.00	74.56	87.19	-18.46	-8,182.62	4,382.36	8,206.16	8,053.67	152.49	53.816		
11,100.00	7,730.00	5,048.00	5,048.00	74.51	87.19	-18.46	-8,182.62	4,382.36	8,112.20	7,960.02	152.18	53.306		
11,200.00	7,730.00	5,048.00	5,048.00	74.48	87.19	-18.46	-8,182.62	4,382.36	8,018.40	7,866.53	151.87	52.798		
11,300.00	7,730.00	5,048.00	5,048.00	74.48	87.19	-18.46	-8,182.62	4,382.36	7,924.74	7,773.19	151.55	52.291		
11,400.00	7,730.00	5,048.00	5,048.00	74.50	87.19	-18.46	-8,182.62	4,382.36	7,831.24	7,680.01	151.23	51.784		
11,500.00	7,730.00	5,048.00	5,048.00	74.56	87.19	-18.46	-8,182.62	4,382.36	7,737.90	7,587.00	150.90	51.279		
11,600.00	7,730.00	5,048.00	5,048.00	74.66	87.19	-18.46	-8,182.62	4,382.36	7,644.73	7,494.17	150.56	50.775		
11,700.00	7,730.00	5,048.00	5,048.00	74.79	87.19	-18.46	-8,182.62	4,382.36	7,551.74	7,401.52	150.22	50.272		
11,800.00	7,730.00	5,048.00	5,048.00	74.96	87.19	-18.46	-8,182.62	4,382.36	7,458.92	7,309.05	149.87	49.770		
11,900.00	7,730.00	5,048.00	5,048.00	75.17	87.19	-18.46	-8,182.62	4,382.36	7,366.30	7,216.79	149.51	49.269		
12,000.00	7,730.00	5,048.00	5,048.00	75.43	87.19	-18.46	-8,182.62	4,382.36	7,273.87	7,124.72	149.15	48.769		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT MANN 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,100.00	7,730.00	5,048.00	5,048.00	75.73	87.19	-18.46	-8,182.62	4,382.36	7,181.64	7,032.86	148.78	48.271		
12,200.00	7,730.00	5,048.00	5,048.00	76.09	87.19	-18.46	-8,182.62	4,382.36	7,089.62	6,941.22	148.40	47.774		
12,300.00	7,730.00	5,048.00	5,048.00	76.51	87.19	-18.46	-8,182.62	4,382.36	6,997.83	6,849.81	148.01	47.278		
12,400.00	7,730.00	5,048.00	5,048.00	76.97	87.19	-18.46	-8,182.62	4,382.36	6,906.26	6,758.63	147.62	46.783		
12,500.00	7,730.00	5,048.00	5,048.00	77.50	87.19	-18.46	-8,182.62	4,382.36	6,814.92	6,667.70	147.22	46.290		
12,600.00	7,730.00	5,048.00	5,048.00	78.09	87.19	-18.46	-8,182.62	4,382.36	6,723.84	6,577.02	146.82	45.798		
12,700.00	7,730.00	5,048.00	5,048.00	78.74	87.19	-18.46	-8,182.62	4,382.36	6,633.01	6,486.61	146.40	45.307		
12,800.00	7,730.00	5,048.00	5,048.00	79.45	87.19	-18.46	-8,182.62	4,382.36	6,542.45	6,396.47	145.98	44.818		
12,900.00	7,730.00	5,048.00	5,048.00	80.22	87.19	-18.46	-8,182.62	4,382.36	6,452.16	6,306.62	145.55	44.330		
13,000.00	7,730.00	5,048.00	5,048.00	81.05	87.19	-18.46	-8,182.62	4,382.36	6,362.17	6,217.06	145.11	43.844		
13,100.00	7,730.00	5,048.00	5,048.00	81.94	87.19	-18.46	-8,182.62	4,382.36	6,272.48	6,127.82	144.66	43.359		
13,200.00	7,730.00	5,048.00	5,048.00	82.87	87.19	-18.46	-8,182.62	4,382.36	6,183.11	6,038.90	144.21	42.875		
13,300.00	7,730.00	5,048.00	5,048.00	83.86	87.19	-18.46	-8,182.62	4,382.36	6,094.07	5,950.31	143.75	42.393		
13,400.00	7,730.00	5,048.00	5,048.00	84.90	87.19	-18.46	-8,182.62	4,382.36	6,005.37	5,862.08	143.28	41.912		
13,500.00	7,730.00	5,048.00	5,048.00	85.97	87.19	-18.46	-8,182.62	4,382.36	5,917.03	5,774.22	142.81	41.433		
13,600.00	7,730.00	5,048.00	5,048.00	87.09	87.19	-18.46	-8,182.62	4,382.36	5,829.07	5,686.74	142.33	40.955		
13,700.00	7,730.00	5,048.00	5,048.00	88.25	87.19	-18.46	-8,182.62	4,382.36	5,741.50	5,599.67	141.84	40.479		
13,800.00	7,730.00	5,048.00	5,048.00	89.44	87.19	-18.46	-8,182.62	4,382.36	5,654.35	5,513.01	141.34	40.004		
13,900.00	7,730.00	5,048.00	5,048.00	90.66	87.19	-18.46	-8,182.62	4,382.36	5,567.63	5,426.78	140.84	39.531		
14,000.00	7,730.00	5,048.00	5,048.00	91.92	87.19	-18.46	-8,182.62	4,382.36	5,481.36	5,341.02	140.34	39.058		
14,100.00	7,730.00	5,048.00	5,048.00	93.20	87.19	-18.46	-8,182.62	4,382.36	5,395.56	5,255.74	139.83	38.588		
14,200.00	7,730.00	5,048.00	5,048.00	94.50	87.19	-18.46	-8,182.62	4,382.36	5,310.26	5,170.95	139.31	38.118		
14,300.00	7,730.00	5,048.00	5,048.00	95.83	87.19	-18.46	-8,182.62	4,382.36	5,225.49	5,086.69	138.79	37.650		
14,400.00	7,730.00	5,048.00	5,048.00	97.17	87.19	-18.46	-8,182.62	4,382.36	5,141.26	5,002.99	138.27	37.182		
14,500.00	7,730.00	5,048.00	5,048.00	98.54	87.19	-18.46	-8,182.62	4,382.36	5,057.60	4,919.85	137.75	36.716		
14,600.00	7,730.00	5,048.00	5,048.00	99.92	87.19	-18.46	-8,182.62	4,382.36	4,974.55	4,837.32	137.22	36.251		
14,700.00	7,730.00	5,048.00	5,048.00	101.32	87.19	-18.46	-8,182.62	4,382.36	4,892.13	4,755.43	136.70	35.787		
14,800.00	7,730.00	5,048.00	5,048.00	102.74	87.19	-18.46	-8,182.62	4,382.36	4,810.38	4,674.20	136.18	35.324		
14,900.00	7,730.00	5,048.00	5,048.00	104.17	87.19	-18.46	-8,182.62	4,382.36	4,729.33	4,593.67	135.66	34.861		
15,000.00	7,730.00	5,048.00	5,048.00	105.62	87.19	-18.46	-8,182.62	4,382.36	4,649.02	4,513.87	135.15	34.399		
15,100.00	7,730.00	5,048.00	5,048.00	107.07	87.19	-18.46	-8,182.62	4,382.36	4,569.48	4,434.84	134.64	33.938		
15,200.00	7,730.00	5,048.00	5,048.00	108.54	87.19	-18.46	-8,182.62	4,382.36	4,490.77	4,356.62	134.14	33.477		
15,300.00	7,730.00	5,048.00	5,048.00	110.02	87.19	-18.46	-8,182.62	4,382.36	4,412.91	4,279.26	133.66	33.017		
15,400.00	7,730.00	5,048.00	5,048.00	111.51	87.19	-18.46	-8,182.62	4,382.36	4,335.97	4,202.79	133.18	32.557		
15,500.00	7,730.00	5,048.00	5,048.00	113.01	87.19	-18.46	-8,182.62	4,382.36	4,259.98	4,127.26	132.72	32.097		
15,600.00	7,730.00	5,048.00	5,048.00	114.52	87.19	-18.46	-8,182.62	4,382.36	4,185.00	4,052.72	132.28	31.638		
15,700.00	7,730.00	5,048.00	5,048.00	116.04	87.19	-18.46	-8,182.62	4,382.36	4,111.09	3,979.23	131.86	31.179		
15,800.00	7,730.00	5,048.00	5,048.00	117.56	87.19	-18.46	-8,182.62	4,382.36	4,038.30	3,906.84	131.45	30.720		
15,900.00	7,730.00	5,048.00	5,048.00	119.09	87.19	-18.46	-8,182.62	4,382.36	3,966.69	3,835.61	131.08	30.262		
16,000.00	7,730.00	5,048.00	5,048.00	120.63	87.19	-18.46	-8,182.62	4,382.36	3,896.34	3,765.61	130.73	29.804		
16,100.00	7,730.00	5,048.00	5,048.00	122.18	87.19	-18.46	-8,182.62	4,382.36	3,827.30	3,696.89	130.41	29.348		
16,200.00	7,730.00	5,048.00	5,048.00	123.73	87.19	-18.46	-8,182.62	4,382.36	3,759.66	3,629.53	130.13	28.892		
16,300.00	7,730.00	5,048.00	5,048.00	125.29	87.19	-18.46	-8,182.62	4,382.36	3,693.49	3,563.61	129.88	28.438		
16,400.00	7,730.00	5,048.00	5,048.00	126.86	87.19	-18.46	-8,182.62	4,382.36	3,628.87	3,499.20	129.66	27.987		
16,500.00	7,730.00	5,048.00	5,048.00	128.43	87.19	-18.46	-8,182.62	4,382.36	3,565.88	3,436.39	129.49	27.538		
16,600.00	7,730.00	5,048.00	5,048.00	130.01	87.19	-18.46	-8,182.62	4,382.36	3,504.61	3,375.25	129.36	27.093		
16,700.00	7,730.00	5,048.00	5,048.00	131.59	87.19	-18.46	-8,182.62	4,382.36	3,445.16	3,315.89	129.27	26.651		
16,800.00	7,730.00	5,048.00	5,048.00	133.18	87.19	-18.46	-8,182.62	4,382.36	3,387.61	3,258.39	129.22	26.215		
16,900.00	7,730.00	5,048.00	5,048.00	134.77	87.19	-18.46	-8,182.62	4,382.36	3,332.07	3,202.85	129.22	25.786		
17,000.00	7,730.00	5,048.00	5,048.00	136.37	87.19	-18.46	-8,182.62	4,382.36	3,278.65	3,149.38	129.27	25.363		
17,100.00	7,730.00	5,048.00	5,048.00	137.97	87.19	-18.46	-8,182.62	4,382.36	3,227.43	3,098.07	129.37	24.948		
17,200.00	7,730.00	5,048.00	5,048.00	139.57	87.19	-18.46	-8,182.62	4,382.36	3,178.54	3,049.03	129.51	24.542		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 26-T1N-R68W - ABND VERT MANN 2 - OWB - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-INC-ONLY												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
17,300.00	7,730.00	5,048.00	5,048.00	141.18	87.19	-18.46	-8,182.62	4,382.36	3,132.08	3,002.37	129.71	24.146	
17,400.00	7,730.00	5,048.00	5,048.00	142.79	87.19	-18.46	-8,182.62	4,382.36	3,088.16	2,958.20	129.97	23.761	
17,500.00	7,730.00	5,048.00	5,048.00	144.41	87.19	-18.46	-8,182.62	4,382.36	3,046.89	2,916.62	130.28	23.388	
17,600.00	7,730.00	5,048.00	5,048.00	146.03	87.19	-18.46	-8,182.62	4,382.36	3,008.38	2,877.74	130.65	23.027	
17,700.00	7,730.00	5,048.00	5,048.00	147.65	87.19	-18.46	-8,182.62	4,382.36	2,972.74	2,841.65	131.09	22.678	
17,800.00	7,730.00	5,048.00	5,048.00	149.28	87.19	-18.46	-8,182.62	4,382.36	2,940.07	2,808.46	131.60	22.341	
17,900.00	7,730.00	5,048.00	5,048.00	150.91	87.19	-18.46	-8,182.62	4,382.36	2,910.46	2,778.26	132.20	22.016	
18,000.00	7,730.00	5,048.00	5,048.00	152.54	87.19	-18.46	-8,182.62	4,382.36	2,884.02	2,751.13	132.89	21.702	
18,100.00	7,730.00	5,048.00	5,048.00	154.18	87.19	-18.46	-8,182.62	4,382.36	2,860.84	2,727.14	133.70	21.397	
18,200.00	7,730.00	5,048.00	5,048.00	155.82	87.19	-18.46	-8,182.62	4,382.36	2,840.99	2,706.35	134.64	21.101	
18,300.00	7,730.00	5,048.00	5,048.00	157.46	87.19	-18.46	-8,182.62	4,382.36	2,824.54	2,688.82	135.72	20.812	
18,400.00	7,730.00	5,048.00	5,048.00	159.11	87.19	-18.46	-8,182.62	4,382.36	2,811.55	2,674.59	136.96	20.528	
18,500.00	7,730.00	5,048.00	5,048.00	160.75	87.19	-18.46	-8,182.62	4,382.36	2,802.08	2,663.69	138.39	20.248	
18,600.00	7,730.00	5,048.00	5,048.00	162.40	87.19	-18.46	-8,182.62	4,382.36	2,796.15	2,656.14	140.01	19.971	
18,700.00	7,730.00	5,048.00	5,048.00	164.05	87.19	-18.46	-8,182.62	4,382.36	2,793.79	2,651.96	141.82	19.699	
18,715.96	7,730.00	5,048.00	5,048.00	164.32	87.19	-18.46	-8,182.62	4,382.36	2,793.74	2,651.61	142.13	19.656 CC	
18,800.00	7,730.00	5,048.00	5,048.00	165.71	87.19	-18.46	-8,182.62	4,382.36	2,795.01	2,651.18	143.83	19.433 ES	
18,900.00	7,730.00	5,048.00	5,048.00	167.36	87.19	-18.46	-8,182.62	4,382.36	2,799.80	2,653.78	146.02	19.174	
18,942.39	7,730.00	5,048.00	5,048.00	168.07	87.19	-18.46	-8,182.62	4,382.36	2,802.90	2,655.91	146.99	19.068 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ ALAUX 4-0-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 548-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	142.22	-4,069.27	3,153.63	5,148.24					
100.00	100.00	110.45	110.45	0.13	0.19	142.23	-4,069.23	3,153.30	5,148.05	5,147.72	0.33	N/A		
200.00	200.00	234.54	234.54	0.49	0.41	142.24	-4,069.10	3,152.15	5,147.39	5,146.49	0.91	5,683.465		
300.00	300.00	358.61	358.59	0.85	0.63	142.25	-4,068.88	3,150.17	5,146.28	5,144.79	1.48	3,471.935		
400.00	400.00	482.65	482.60	1.21	0.85	142.28	-4,068.56	3,147.36	5,144.69	5,142.63	2.06	2,498.984		
500.00	500.00	606.65	606.54	1.57	1.07	142.30	-4,068.16	3,143.73	5,142.64	5,140.00	2.64	1,951.595		
600.00	600.00	661.65	661.53	1.93	1.37	142.31	-4,067.90	3,142.76	5,141.01	5,137.71	3.30	1,559.423		
700.00	700.00	732.00	731.88	2.29	1.62	142.31	-4,067.32	3,142.43	5,140.02	5,136.12	3.90	1,318.465		
800.00	800.00	792.36	792.23	2.64	1.82	142.30	-4,066.52	3,143.21	5,139.69	5,135.23	4.46	1,152.434		
900.00	899.98	870.56	870.38	3.00	2.08	82.70	-4,064.96	3,145.44	5,139.63	5,134.55	5.08	1,012.043		
1,000.00	999.84	1,065.27	1,064.67	3.35	2.76	82.70	-4,056.62	3,154.73	5,138.58	5,132.47	6.11	840.816		
1,100.00	1,099.45	1,134.00	1,133.17	3.71	3.01	82.74	-4,052.51	3,158.62	5,136.23	5,129.51	6.72	764.565		
1,200.00	1,198.70	1,194.83	1,193.75	4.08	3.23	82.81	-4,048.89	3,162.80	5,134.18	5,126.87	7.31	702.510		
1,300.00	1,297.47	1,361.90	1,359.69	4.47	3.86	82.94	-4,036.24	3,177.36	5,131.62	5,123.30	8.32	616.730		
1,400.00	1,395.62	1,477.91	1,474.35	4.87	4.32	83.07	-4,024.02	3,190.04	5,127.54	5,118.35	9.18	558.266		
1,500.00	1,493.06	1,551.00	1,546.30	5.31	4.62	83.19	-4,015.31	3,199.48	5,123.19	5,113.27	9.92	516.577		
1,600.00	1,589.64	1,596.06	1,590.57	5.77	4.81	83.31	-4,009.90	3,205.93	5,119.24	5,108.67	10.57	484.137		
1,700.00	1,685.27	1,639.00	1,632.67	6.28	4.99	83.42	-4,004.90	3,212.71	5,116.03	5,104.77	11.26	454.369		
1,800.00	1,779.82	1,800.00	1,775.06	6.83	5.72	83.67	-3,986.60	3,237.81	5,112.62	5,100.08	12.53	407.990		
1,900.00	1,873.17	1,900.00	2,064.08	7.43	6.19	84.31	-3,944.00	3,282.71	5,105.64	5,092.05	13.58	375.847		
2,000.00	1,965.21	2,133.28	2,116.05	8.08	7.26	84.59	-3,936.43	3,289.29	5,097.49	5,082.19	15.30	333.088		
2,100.00	2,055.84	2,177.75	2,159.78	8.79	7.46	84.86	-3,930.69	3,295.00	5,090.25	5,074.04	16.21	313.939		
2,200.00	2,144.94	2,232.71	2,213.84	9.56	7.71	85.17	-3,924.01	3,302.27	5,083.69	5,066.46	17.23	295.029		
2,300.00	2,232.39	2,303.46	2,283.42	10.39	8.03	85.55	-3,915.74	3,312.02	5,077.67	5,059.29	18.39	276.182		
2,400.00	2,318.11	2,380.19	2,358.82	11.30	8.38	85.96	-3,906.71	3,323.12	5,071.92	5,052.29	19.64	258.299		
2,504.60	2,405.78	2,462.69	2,439.88	12.31	8.76	86.43	-3,897.26	3,335.16	5,066.25	5,045.22	21.03	240.914		
2,600.00	2,484.79	2,581.81	2,556.91	13.28	9.31	86.96	-3,883.55	3,352.60	5,061.29	5,038.74	22.55	224.461		
2,700.00	2,567.60	2,653.93	2,627.60	14.32	9.65	87.28	-3,874.52	3,363.67	5,055.96	5,032.03	23.93	211.305		
2,800.00	2,650.41	2,749.21	2,720.92	15.37	10.10	87.69	-3,862.72	3,378.93	5,051.34	5,025.90	25.44	198.591		
2,900.00	2,733.23	2,829.07	2,799.12	16.44	10.48	88.04	-3,852.71	3,391.62	5,046.83	5,019.95	26.88	187.733		
3,000.00	2,816.04	2,905.21	2,873.94	17.52	10.84	88.38	-3,844.13	3,402.85	5,043.01	5,014.70	28.32	178.089		
3,100.00	2,898.85	3,002.10	2,969.17	18.60	11.29	88.82	-3,833.38	3,417.09	5,039.62	5,009.77	29.85	168.808		
3,200.00	2,981.67	3,143.43	3,107.81	19.69	11.96	89.45	-3,816.18	3,438.47	5,035.87	5,004.26	31.61	159.312		
3,300.00	3,064.48	3,210.00	3,173.13	20.79	12.27	89.75	-3,808.10	3,448.40	5,032.37	4,999.35	33.03	152.374		
3,400.00	3,147.30	3,250.86	3,213.25	21.90	12.47	89.93	-3,803.43	3,454.63	5,029.86	4,995.53	34.33	146.529		
3,500.00	3,230.11	3,297.00	3,258.51	23.00	12.68	90.13	-3,798.41	3,462.04	5,028.51	4,992.85	35.65	141.041		
3,564.79	3,283.76	3,324.30	3,285.28	23.72	12.81	90.25	-3,795.59	3,466.58	5,028.25	4,991.75	36.50	137.758		
3,600.00	3,312.92	3,339.56	3,300.25	24.12	12.89	90.32	-3,794.08	3,469.14	5,028.33	4,991.37	36.96	136.038		
3,700.00	3,395.74	3,385.00	3,344.82	25.23	13.10	90.52	-3,789.88	3,476.92	5,029.35	4,991.06	38.29	131.364		
3,800.00	3,478.55	3,442.18	3,400.93	26.35	13.37	90.78	-3,785.04	3,486.84	5,031.42	4,991.76	39.66	126.853		
3,900.00	3,561.36	3,806.00	3,758.87	27.47	15.04	92.45	-3,751.00	3,541.61	5,033.47	4,991.02	42.46	118.560		
4,000.00	3,644.18	3,867.88	3,819.92	28.59	15.32	92.75	-3,744.13	3,549.03	5,031.75	4,987.90	43.85	114.750		
4,100.00	3,726.99	3,933.10	3,884.31	29.72	15.61	93.07	-3,737.42	3,556.85	5,031.00	4,985.74	45.26	111.167		
4,200.00	3,809.81	4,029.22	3,979.19	30.85	16.03	93.53	-3,727.48	3,568.67	5,030.71	4,983.91	46.80	107.503		
4,265.76	3,864.26	4,092.71	4,041.80	31.59	16.32	93.83	-3,720.72	3,576.71	5,030.65	4,982.85	47.81	105.223		
4,300.00	3,892.62	4,083.00	4,032.23	31.98	16.27	93.79	-3,721.77	3,575.47	5,030.84	4,982.69	48.15	104.480		
4,400.00	3,975.43	4,143.21	4,091.56	33.11	16.55	94.07	-3,715.56	3,583.61	5,031.90	4,982.37	49.54	101.578		
4,500.00	4,058.25	4,268.11	4,214.26	34.24	17.13	94.63	-3,702.56	3,602.93	5,034.00	4,982.77	51.23	98.260		
4,600.00	4,141.06	4,320.97	4,266.22	35.37	17.38	94.87	-3,697.02	3,610.95	5,036.04	4,983.46	52.59	95.767		
4,700.00	4,223.87	4,382.12	4,326.54	36.50	17.65	95.16	-3,691.42	3,619.29	5,038.97	4,985.01	53.97	93.373		
4,800.00	4,306.69	4,447.08	4,390.78	37.64	17.93	95.48	-3,686.24	3,627.39	5,042.77	4,987.42	55.35	91.113		
4,900.00	4,389.50	4,528.56	4,471.67	38.77	18.27	95.90	-3,680.90	3,635.61	5,047.24	4,990.47	56.77	88.900		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ ALAUX 4-0-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 548-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,472.32	4,636.81	4,579.50	39.91	18.67	96.50	-3,675.13	3,642.96	5,051.96	4,993.69	58.27	86.701		
5,100.00	4,555.13	4,725.69	4,668.22	41.05	18.98	97.02	-3,671.22	3,646.70	5,057.02	4,997.36	59.66	84.761		
5,200.00	4,637.94	4,806.53	4,748.98	42.18	19.25	97.50	-3,668.23	3,648.63	5,062.57	5,001.56	61.01	82.986		
5,300.00	4,720.76	4,869.61	4,812.04	43.32	19.44	97.88	-3,666.57	3,649.01	5,068.93	5,006.66	62.27	81.400		
5,400.00	4,803.57	4,965.64	4,908.04	44.46	19.72	98.50	-3,664.96	3,647.51	5,075.97	5,012.36	63.61	79.799		
5,500.00	4,886.39	5,074.79	5,017.11	45.60	20.02	99.21	-3,663.26	3,643.97	5,083.23	5,018.26	64.96	78.250		
5,600.00	4,969.20	5,164.13	5,106.37	46.74	20.27	99.79	-3,661.88	3,640.41	5,090.94	5,024.69	66.25	76.845		
5,700.00	5,052.01	5,262.45	5,204.59	47.88	20.54	100.44	-3,660.21	3,636.11	5,099.09	5,031.54	67.55	75.482		
5,800.00	5,134.83	5,305.00	5,247.09	49.02	20.66	100.71	-3,659.41	3,634.15	5,107.88	5,039.18	68.70	74.353		
5,900.00	5,217.64	5,378.77	5,320.79	50.16	20.87	101.19	-3,658.21	3,631.25	5,117.54	5,047.62	69.93	73.185		
6,000.00	5,300.45	5,426.44	5,368.43	51.30	21.00	101.50	-3,657.68	3,629.97	5,128.51	5,057.44	71.07	72.164		
6,100.00	5,383.27	5,480.00	5,421.99	52.45	21.16	101.84	-3,657.30	3,629.08	5,140.63	5,068.41	72.22	71.184		
6,200.00	5,466.08	5,546.68	5,488.66	53.59	21.35	102.25	-3,657.00	3,628.37	5,153.72	5,080.31	73.40	70.211		
6,300.00	5,548.90	5,621.88	5,563.86	54.73	21.58	102.72	-3,656.76	3,627.65	5,167.51	5,092.90	74.61	69.261		
6,400.00	5,631.71	5,701.99	5,643.97	55.87	21.81	103.21	-3,656.57	3,626.94	5,181.98	5,106.16	75.82	68.342		
6,500.00	5,714.52	5,785.79	5,727.76	57.02	22.06	103.73	-3,656.39	3,626.08	5,197.02	5,119.98	77.04	67.457		
6,600.00	5,797.34	5,873.16	5,815.13	58.16	22.32	104.27	-3,656.21	3,625.02	5,212.60	5,134.33	78.26	66.603		
6,700.00	5,880.15	5,964.36	5,906.31	59.30	22.59	104.83	-3,655.93	3,623.69	5,228.62	5,149.13	79.49	65.778		
6,800.00	5,962.96	6,055.10	5,997.04	60.45	22.87	105.39	-3,655.55	3,622.14	5,245.08	5,164.37	80.70	64.992		
6,900.00	6,045.78	6,145.44	6,087.36	61.59	23.14	105.95	-3,655.07	3,620.36	5,261.97	5,180.06	81.91	64.242		
7,000.00	6,128.59	6,227.17	6,169.08	62.73	23.38	106.45	-3,654.58	3,618.58	5,279.35	5,196.27	83.07	63.551		
7,100.00	6,211.41	6,304.00	6,245.88	63.88	23.62	106.92	-3,654.21	3,616.81	5,297.35	5,213.14	84.21	62.906		
7,200.00	6,294.22	6,387.26	6,329.11	65.02	23.87	107.42	-3,653.87	3,614.83	5,315.98	5,230.61	85.36	62.276		
7,300.00	6,377.03	6,482.49	6,424.32	66.17	24.16	108.00	-3,653.28	3,612.77	5,335.01	5,248.46	86.55	61.642		
7,400.00	6,459.85	6,570.92	6,512.73	67.31	24.43	108.53	-3,652.49	3,611.11	5,354.41	5,266.71	87.71	61.050		
7,500.00	6,542.66	6,653.07	6,594.87	68.46	24.69	109.01	-3,651.70	3,609.83	5,374.32	5,285.49	88.83	60.498		
7,600.00	6,625.48	6,735.30	6,677.09	69.60	24.95	109.49	-3,650.87	3,608.85	5,394.76	5,304.80	89.96	59.970		
7,700.00	6,708.29	6,817.72	6,759.50	70.75	25.22	109.97	-3,649.97	3,608.38	5,415.71	5,324.63	91.08	59.461		
7,800.00	6,791.10	6,897.84	6,839.61	71.89	25.48	110.42	-3,649.04	3,608.45	5,437.16	5,344.98	92.19	58.980		
7,900.00	6,873.92	6,970.63	6,912.41	73.04	25.72	110.83	-3,648.28	3,608.70	5,459.21	5,365.95	93.26	58.538		
8,000.00	6,956.73	7,043.40	6,985.17	74.18	25.96	111.24	-3,647.66	3,609.00	5,481.89	5,387.57	94.32	58.120		
8,100.00	7,039.54	7,117.12	7,058.88	75.33	26.20	111.65	-3,647.16	3,609.32	5,505.19	5,409.81	95.38	57.721		
8,165.32	7,093.63	7,165.28	7,107.05	76.08	26.35	111.91	-3,646.90	3,609.53	5,520.73	5,424.67	96.06	57.471		
8,200.00	7,122.60	7,191.05	7,132.82	76.47	26.44	107.29	-3,646.78	3,609.63	5,528.06	5,431.64	96.42	57.331		
8,250.00	7,165.05	7,230.25	7,172.02	77.01	26.57	99.88	-3,646.64	3,609.79	5,535.13	5,438.18	96.95	57.090		
8,300.00	7,208.03	7,288.28	7,230.04	77.52	26.76	91.91	-3,646.36	3,609.92	5,537.94	5,440.38	97.56	56.764		
8,350.00	7,251.22	7,346.35	7,288.11	77.99	26.95	83.65	-3,645.94	3,609.86	5,536.40	5,438.24	98.16	56.404		
8,400.00	7,294.28	7,404.15	7,345.91	78.41	27.13	75.52	-3,645.38	3,609.62	5,530.51	5,431.77	98.73	56.014		
8,450.00	7,336.90	7,464.16	7,405.91	78.78	27.33	67.95	-3,644.63	3,609.14	5,520.30	5,421.00	99.30	55.592		
8,500.00	7,378.73	7,522.62	7,464.36	79.10	27.52	61.18	-3,643.73	3,608.44	5,505.85	5,406.02	99.83	55.150		
8,550.00	7,419.47	7,579.05	7,520.77	79.37	27.71	55.31	-3,642.70	3,607.55	5,487.27	5,386.93	100.34	54.689		
8,600.00	7,458.81	7,602.20	7,543.91	79.59	27.78	50.15	-3,642.28	3,607.21	5,464.82	5,364.13	100.68	54.277		
8,650.00	7,496.44	7,626.54	7,568.26	79.76	27.86	45.81	-3,641.89	3,606.94	5,438.73	5,337.72	101.01	53.844		
8,700.00	7,532.08	7,649.74	7,591.45	79.88	27.94	42.18	-3,641.57	3,606.78	5,409.18	5,307.88	101.30	53.396		
8,750.00	7,565.46	7,671.59	7,613.30	79.95	28.01	39.14	-3,641.31	3,606.70	5,376.37	5,274.81	101.57	52.935		
8,800.00	7,596.33	7,691.92	7,633.63	79.98	28.08	36.59	-3,641.11	3,606.71	5,340.52	5,238.72	101.80	52.462		
8,850.00	7,624.44	7,710.55	7,652.26	79.97	28.14	34.46	-3,640.95	3,606.77	5,301.86	5,199.86	102.00	51.980		
8,900.00	7,649.59	7,727.32	7,669.02	79.93	28.19	32.64	-3,640.84	3,606.88	5,260.67	5,158.50	102.17	51.491		
8,950.00	7,671.59	7,750.00	7,691.71	79.84	28.27	31.16	-3,640.73	3,607.10	5,217.23	5,114.89	102.34	50.979		
9,000.00	7,690.26	7,756.81	7,698.52	79.73	28.29	29.67	-3,640.70	3,607.18	5,171.83	5,069.40	102.43	50.492		
9,050.00	7,705.47	7,771.83	7,713.53	79.59	28.34	28.34	-3,640.64	3,607.39	5,124.81	5,022.27	102.54	49.981		
9,100.00	7,717.09	7,783.28	7,724.98	79.43	28.38	26.74	-3,640.59	3,607.58	5,076.50	4,973.89	102.61	49.473		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ ALAUX 4-0-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 548-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,725.04	7,791.07	7,732.77	79.26	28.40	23.85	-3,640.56	3,607.73	5,027.26	4,924.60	102.66	48.971		
9,200.00	7,729.27	7,795.12	7,736.82	79.06	28.42	10.82	-3,640.55	3,607.81	4,977.46	4,874.78	102.68	48.476		
9,231.13	7,730.00	7,795.72	7,737.42	78.93	28.42	-101.01	-3,640.54	3,607.82	4,946.34	4,843.66	102.68	48.174		
9,300.00	7,730.00	7,795.44	7,737.14	78.65	28.42	-100.84	-3,640.55	3,607.81	4,877.48	4,774.82	102.66	47.509		
9,400.00	7,730.00	7,795.04	7,736.73	78.26	28.42	-100.61	-3,640.55	3,607.80	4,777.50	4,674.86	102.65	46.543		
9,500.00	7,730.00	7,794.63	7,736.33	77.89	28.42	-100.37	-3,640.55	3,607.80	4,677.52	4,574.90	102.63	45.577		
9,600.00	7,730.00	7,794.22	7,735.92	77.53	28.41	-100.13	-3,640.55	3,607.79	4,577.55	4,474.94	102.61	44.611		
9,700.00	7,730.00	7,793.81	7,735.51	77.19	28.41	-99.89	-3,640.55	3,607.78	4,477.57	4,374.98	102.59	43.645		
9,800.00	7,730.00	7,793.40	7,735.10	76.88	28.41	-99.65	-3,640.55	3,607.77	4,377.59	4,275.02	102.57	42.678		
9,900.00	7,730.00	7,793.00	7,734.70	76.58	28.41	-99.42	-3,640.56	3,607.76	4,277.62	4,175.06	102.55	41.711		
10,000.00	7,730.00	7,792.59	7,734.29	76.30	28.41	-99.18	-3,640.56	3,607.76	4,177.64	4,075.11	102.53	40.744		
10,100.00	7,730.00	7,792.18	7,733.88	76.04	28.41	-98.94	-3,640.56	3,607.75	4,077.67	3,975.16	102.51	39.777		
10,200.00	7,730.00	7,791.78	7,733.48	75.79	28.41	-98.70	-3,640.56	3,607.74	3,977.70	3,875.21	102.49	38.810		
10,300.00	7,730.00	7,791.37	7,733.07	75.57	28.40	-98.46	-3,640.56	3,607.73	3,877.73	3,775.26	102.47	37.843		
10,400.00	7,730.00	7,790.96	7,732.67	75.36	28.40	-98.22	-3,640.56	3,607.73	3,777.76	3,675.31	102.45	36.875		
10,500.00	7,730.00	7,790.56	7,732.26	75.18	28.40	-97.98	-3,640.57	3,607.72	3,677.79	3,575.37	102.42	35.907		
10,600.00	7,730.00	7,790.15	7,731.85	75.01	28.40	-97.74	-3,640.57	3,607.71	3,577.83	3,475.42	102.40	34.939		
10,700.00	7,730.00	7,789.75	7,731.45	74.86	28.40	-97.50	-3,640.57	3,607.70	3,477.86	3,375.49	102.38	33.971		
10,800.00	7,730.00	7,789.34	7,731.04	74.74	28.40	-97.26	-3,640.57	3,607.70	3,377.90	3,275.55	102.35	33.003		
10,900.00	7,730.00	7,788.94	7,730.64	74.64	28.40	-97.01	-3,640.57	3,607.69	3,277.94	3,175.62	102.32	32.035		
11,000.00	7,730.00	7,788.53	7,730.23	74.56	28.40	-96.77	-3,640.57	3,607.68	3,177.99	3,075.69	102.29	31.067		
11,100.00	7,730.00	7,788.13	7,729.83	74.51	28.39	-96.53	-3,640.58	3,607.67	3,078.03	2,975.77	102.26	30.099		
11,200.00	7,730.00	7,787.72	7,729.42	74.48	28.39	-96.29	-3,640.58	3,607.67	2,978.08	2,875.85	102.23	29.130		
11,300.00	7,730.00	7,787.32	7,729.02	74.48	28.39	-96.05	-3,640.58	3,607.66	2,878.13	2,775.94	102.20	28.162		
11,400.00	7,730.00	7,786.91	7,728.61	74.50	28.39	-95.81	-3,640.58	3,607.65	2,778.19	2,676.03	102.16	27.194		
11,500.00	7,730.00	7,786.51	7,728.21	74.56	28.39	-95.56	-3,640.58	3,607.64	2,678.25	2,576.13	102.12	26.225		
11,600.00	7,730.00	7,786.11	7,727.81	74.66	28.39	-95.32	-3,640.58	3,607.64	2,578.32	2,476.23	102.08	25.257		
11,700.00	7,730.00	7,785.70	7,727.40	74.79	28.39	-95.08	-3,640.58	3,607.63	2,478.39	2,376.35	102.04	24.289		
11,800.00	7,730.00	7,785.30	7,727.00	74.96	28.38	-94.84	-3,640.59	3,607.62	2,378.46	2,276.47	101.99	23.320		
11,900.00	7,730.00	7,784.89	7,726.60	75.17	28.38	-94.60	-3,640.59	3,607.61	2,278.55	2,176.61	101.94	22.352		
12,000.00	7,730.00	7,784.49	7,726.19	75.43	28.38	-94.35	-3,640.59	3,607.61	2,178.64	2,076.75	101.88	21.384		
12,100.00	7,730.00	7,784.09	7,725.79	75.73	28.38	-94.11	-3,640.59	3,607.60	2,078.74	1,976.92	101.82	20.416		
12,200.00	7,730.00	7,783.69	7,725.39	76.09	28.38	-93.87	-3,640.59	3,607.59	1,978.85	1,877.09	101.75	19.448		
12,300.00	7,730.00	7,783.28	7,724.98	76.51	28.38	-93.62	-3,640.59	3,607.58	1,878.97	1,777.29	101.68	18.480		
12,400.00	7,730.00	7,782.88	7,724.58	76.97	28.38	-93.38	-3,640.60	3,607.58	1,779.10	1,677.51	101.59	17.512		
12,500.00	7,730.00	7,782.48	7,724.18	77.50	28.37	-93.14	-3,640.60	3,607.57	1,679.25	1,577.75	101.50	16.545		
12,600.00	7,730.00	7,782.08	7,723.78	78.09	28.37	-92.90	-3,640.60	3,607.56	1,579.42	1,478.03	101.39	15.578		
12,700.00	7,730.00	7,781.67	7,723.38	78.74	28.37	-92.65	-3,640.60	3,607.56	1,479.61	1,378.34	101.27	14.611		
12,800.00	7,730.00	7,781.27	7,722.98	79.45	28.37	-92.41	-3,640.60	3,607.55	1,379.83	1,278.70	101.13	13.645		
12,900.00	7,730.00	7,780.87	7,722.57	80.22	28.37	-92.17	-3,640.60	3,607.54	1,280.08	1,179.12	100.96	12.679		
13,000.00	7,730.00	7,780.47	7,722.17	81.05	28.37	-91.92	-3,640.61	3,607.54	1,180.38	1,079.60	100.77	11.713		
13,100.00	7,730.00	7,780.07	7,721.77	81.94	28.37	-91.68	-3,640.61	3,607.53	1,080.73	980.18	100.55	10.748		
13,200.00	7,730.00	7,779.67	7,721.37	82.87	28.37	-91.44	-3,640.61	3,607.52	981.15	880.87	100.28	9.784		
13,300.00	7,730.00	7,779.27	7,720.97	83.86	28.36	-91.20	-3,640.61	3,607.52	881.67	781.72	99.94	8.822		
13,400.00	7,730.00	7,778.87	7,720.57	84.90	28.36	-90.95	-3,640.61	3,607.51	782.32	682.79	99.53	7.860		
13,500.00	7,730.00	7,778.47	7,720.17	85.97	28.36	-90.71	-3,640.61	3,607.50	683.15	584.16	98.99	6.901		
13,600.00	7,730.00	7,778.07	7,719.77	87.09	28.36	-90.47	-3,640.62	3,607.50	584.28	485.99	98.29	5.945		
13,700.00	7,730.00	7,777.67	7,719.37	88.25	28.36	-90.22	-3,640.62	3,607.49	485.86	388.54	97.31	4.993		
13,800.00	7,730.00	7,777.27	7,718.97	89.44	28.36	-89.98	-3,640.62	3,607.48	388.25	292.34	95.91	4.048		
13,900.00	7,730.00	7,776.87	7,718.57	90.66	28.36	-89.74	-3,640.62	3,607.48	292.26	198.46	93.80	3.116		
14,000.00	7,730.00	7,776.47	7,718.17	91.92	28.35	-89.50	-3,640.62	3,607.47	200.24	109.45	90.79	2.206		
14,100.00	7,730.00	7,776.07	7,717.77	93.20	28.35	-89.25	-3,640.62	3,607.46	121.54	29.64	91.90	1.323 Level 3		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ ALAUX 4-0-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 548-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,176.61	7,730.00	7,775.76	7,717.47	94.19	28.35	-89.07	-3,640.62	3,607.46	94.36	-17.24	111.60	0.846	Level 1, CC	
14,200.00	7,730.00	7,775.67	7,717.37	94.50	28.35	-89.01	-3,640.63	3,607.46	97.22	-20.40	117.62	0.827	Level 1, ES, SF	
14,300.00	7,730.00	7,775.27	7,716.97	95.83	28.35	-88.77	-3,640.63	3,607.45	155.33	35.22	120.11	1.293	Level 3	
14,400.00	7,730.00	7,774.87	7,716.57	97.17	28.35	-88.53	-3,640.63	3,607.44	242.50	127.21	115.29	2.103		
14,500.00	7,730.00	7,774.47	7,716.18	98.54	28.35	-88.29	-3,640.63	3,607.44	336.87	224.62	112.26	3.001		
14,600.00	7,730.00	7,774.08	7,715.78	99.92	28.35	-88.04	-3,640.63	3,607.43	433.77	323.38	110.40	3.929		
14,700.00	7,730.00	7,773.68	7,715.38	101.32	28.35	-87.80	-3,640.63	3,607.42	531.82	422.65	109.17	4.871		
14,800.00	7,730.00	7,773.28	7,714.98	102.74	28.34	-87.56	-3,640.63	3,607.42	630.49	522.17	108.32	5.821		
14,900.00	7,730.00	7,772.88	7,714.58	104.17	28.34	-87.32	-3,640.64	3,607.41	729.51	621.82	107.69	6.774		
15,000.00	7,730.00	7,772.48	7,714.19	105.62	28.34	-87.08	-3,640.64	3,607.40	828.77	721.56	107.21	7.730		
15,100.00	7,730.00	7,774.10	7,715.80	107.07	28.34	-88.06	-3,640.66	3,607.43	928.17	821.35	106.81	8.690		
15,200.00	7,730.00	7,773.89	7,715.60	108.54	28.34	-87.93	-3,640.66	3,607.42	1,027.70	921.18	106.52	9.648		
15,300.00	7,730.00	7,773.69	7,715.39	110.02	28.34	-87.81	-3,640.66	3,607.42	1,127.31	1,021.04	106.27	10.608		
15,400.00	7,730.00	7,773.48	7,715.18	111.51	28.34	-87.68	-3,640.66	3,607.42	1,226.99	1,120.92	106.07	11.568		
15,500.00	7,730.00	7,773.26	7,714.96	113.01	28.34	-87.55	-3,640.66	3,607.41	1,326.72	1,220.81	105.90	12.528		
15,600.00	7,730.00	7,773.04	7,714.75	114.52	28.34	-87.42	-3,640.66	3,607.41	1,426.48	1,320.72	105.76	13.488		
15,700.00	7,730.00	7,772.82	7,714.52	116.04	28.34	-87.28	-3,640.66	3,607.41	1,526.28	1,420.64	105.64	14.448		
15,800.00	7,730.00	7,772.59	7,714.29	117.56	28.34	-87.14	-3,640.66	3,607.40	1,626.10	1,520.56	105.54	15.408		
15,900.00	7,730.00	7,772.36	7,714.06	119.09	28.34	-87.00	-3,640.66	3,607.40	1,725.94	1,620.49	105.45	16.368		
16,000.00	7,730.00	7,772.12	7,713.82	120.63	28.34	-86.86	-3,640.66	3,607.40	1,825.80	1,720.43	105.37	17.328		
16,100.00	7,730.00	7,771.88	7,713.58	122.18	28.34	-86.71	-3,640.66	3,607.39	1,925.67	1,820.37	105.30	18.287		
16,200.00	7,730.00	7,771.63	7,713.33	123.73	28.34	-86.56	-3,640.66	3,607.39	2,025.56	1,920.31	105.24	19.247		
16,300.00	7,730.00	7,771.38	7,713.08	125.29	28.34	-86.41	-3,640.66	3,607.38	2,125.45	2,020.26	105.19	20.206		
16,400.00	7,730.00	7,771.12	7,712.82	126.86	28.33	-86.25	-3,640.66	3,607.38	2,225.36	2,120.21	105.15	21.164		
16,500.00	7,730.00	7,770.86	7,712.56	128.43	28.33	-86.09	-3,640.66	3,607.38	2,325.27	2,220.16	105.11	22.122		
16,600.00	7,730.00	7,770.59	7,712.29	130.01	28.33	-85.93	-3,640.66	3,607.37	2,425.19	2,320.12	105.08	23.080		
16,700.00	7,730.00	7,770.31	7,712.01	131.59	28.33	-85.76	-3,640.67	3,607.37	2,525.12	2,420.07	105.05	24.038		
16,800.00	7,730.00	7,770.03	7,711.73	133.18	28.33	-85.59	-3,640.67	3,607.36	2,625.05	2,520.03	105.02	24.995		
16,900.00	7,730.00	7,769.74	7,711.45	134.77	28.33	-85.42	-3,640.67	3,607.36	2,724.99	2,619.99	105.00	25.952		
17,000.00	7,730.00	7,769.45	7,711.15	136.37	28.33	-85.24	-3,640.67	3,607.35	2,824.93	2,719.95	104.98	26.908		
17,100.00	7,730.00	7,769.15	7,710.85	137.97	28.33	-85.06	-3,640.67	3,607.35	2,924.88	2,819.91	104.97	27.864		
17,200.00	7,730.00	7,768.84	7,710.54	139.57	28.33	-84.87	-3,640.67	3,607.35	3,024.83	2,919.87	104.96	28.819		
17,300.00	7,730.00	7,768.52	7,710.22	141.18	28.33	-84.68	-3,640.67	3,607.34	3,124.78	3,019.83	104.95	29.774		
17,400.00	7,730.00	7,768.20	7,709.90	142.79	28.33	-84.48	-3,640.67	3,607.34	3,224.73	3,119.79	104.94	30.729		
17,500.00	7,730.00	7,767.87	7,709.57	144.41	28.32	-84.28	-3,640.67	3,607.33	3,324.69	3,219.75	104.94	31.683		
17,600.00	7,730.00	7,767.53	7,709.23	146.03	28.32	-84.08	-3,640.67	3,607.33	3,424.65	3,319.72	104.94	32.636		
17,700.00	7,730.00	7,767.18	7,708.88	147.65	28.32	-83.87	-3,640.67	3,607.32	3,524.62	3,419.68	104.93	33.589		
17,800.00	7,730.00	7,766.82	7,708.53	149.28	28.32	-83.66	-3,640.67	3,607.32	3,624.58	3,519.65	104.93	34.541		
17,900.00	7,730.00	7,766.46	7,708.16	150.91	28.32	-83.44	-3,640.67	3,607.31	3,724.55	3,619.61	104.94	35.493		
18,000.00	7,730.00	7,766.08	7,707.78	152.54	28.32	-83.21	-3,640.68	3,607.31	3,824.52	3,719.57	104.94	36.444		
18,100.00	7,730.00	7,765.70	7,707.40	154.18	28.32	-82.98	-3,640.68	3,607.30	3,924.49	3,819.54	104.95	37.395		
18,200.00	7,730.00	7,765.30	7,707.00	155.82	28.32	-82.74	-3,640.68	3,607.30	4,024.46	3,919.50	104.95	38.345		
18,300.00	7,730.00	7,764.89	7,706.60	157.46	28.31	-82.50	-3,640.68	3,607.29	4,124.43	4,019.47	104.96	39.295		
18,400.00	7,730.00	7,764.48	7,706.18	159.11	28.31	-82.25	-3,640.68	3,607.28	4,224.40	4,119.43	104.97	40.244		
18,500.00	7,730.00	7,764.05	7,705.75	160.75	28.31	-81.99	-3,640.68	3,607.28	4,324.38	4,219.40	104.98	41.192		
18,600.00	7,730.00	7,763.61	7,705.31	162.40	28.31	-81.73	-3,640.68	3,607.27	4,424.36	4,319.36	104.99	42.140		
18,700.00	7,730.00	7,763.15	7,704.86	164.05	28.31	-81.46	-3,640.68	3,607.27	4,524.33	4,419.33	105.00	43.087		
18,800.00	7,730.00	7,762.69	7,704.39	165.71	28.31	-81.18	-3,640.68	3,607.26	4,624.31	4,519.29	105.02	44.034		
18,900.00	7,730.00	7,762.21	7,703.91	167.36	28.31	-80.89	-3,640.69	3,607.25	4,724.29	4,619.26	105.03	44.980		
18,942.39	7,730.00	7,762.00	7,703.70	168.07	28.30	-80.77	-3,640.69	3,607.25	4,766.67	4,661.63	105.04	45.380		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 0-6-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	31.50	31.50	0.00	0.05	163.39	-7,122.06	2,124.23	7,432.11					
100.00	100.00	152.45	152.45	0.13	0.38	163.39	-7,121.50	2,124.94	7,431.82	7,431.30	0.52	N/A		
200.00	200.00	232.27	232.26	0.49	0.66	163.39	-7,121.44	2,124.31	7,431.53	7,430.38	1.16	6,433.157		
233.99	233.99	257.00	256.99	0.61	0.75	163.39	-7,121.50	2,124.04	7,431.51	7,430.15	1.36	5,450.260		
300.00	300.00	292.59	292.58	0.85	0.87	163.40	-7,121.72	2,123.57	7,431.64	7,429.92	1.73	4,305.612		
400.00	400.00	349.00	348.97	1.21	1.07	163.41	-7,122.45	2,122.59	7,432.37	7,430.08	2.28	3,254.289		
500.00	500.00	411.71	411.65	1.57	1.30	163.42	-7,123.71	2,121.17	7,433.64	7,430.78	2.87	2,593.802		
600.00	600.00	481.59	481.47	1.93	1.55	163.44	-7,125.62	2,118.94	7,435.35	7,431.88	3.48	2,139.159		
700.00	700.00	568.93	568.61	2.29	1.87	163.48	-7,128.96	2,114.04	7,437.41	7,433.26	4.15	1,790.488		
800.00	800.00	945.95	941.49	2.64	3.40	163.89	-7,142.64	2,062.73	7,435.47	7,429.44	6.04	1,231.398		
895.86	895.84	986.00	980.65	2.98	3.58	104.39	-7,144.53	2,054.55	7,434.73	7,428.17	6.56	1,133.305		
900.00	899.98	986.00	980.65	3.00	3.58	104.39	-7,144.53	2,054.55	7,434.73	7,428.16	6.57	1,130.770		
1,000.00	999.84	1,066.50	1,059.01	3.35	3.97	104.55	-7,148.92	2,036.65	7,435.21	7,427.90	7.32	1,016.108		
1,100.00	1,099.45	1,096.00	1,087.60	3.71	4.11	104.58	-7,150.85	2,029.61	7,437.35	7,429.53	7.82	950.615		
1,200.00	1,198.70	1,129.55	1,120.06	4.08	4.29	104.60	-7,153.37	2,021.51	7,441.30	7,432.94	8.37	889.390		
1,300.00	1,297.47	1,183.00	1,171.73	4.47	4.56	104.65	-7,158.18	2,008.74	7,447.36	7,438.33	9.03	825.011		
1,400.00	1,395.62	1,183.00	1,171.73	4.87	4.56	104.50	-7,158.18	2,008.74	7,454.95	7,445.52	9.43	790.624		
1,500.00	1,493.06	1,221.22	1,208.58	5.31	4.77	104.46	-7,162.14	1,999.42	7,464.54	7,454.47	10.06	741.702		
1,600.00	1,589.64	1,271.00	1,256.32	5.77	5.04	104.43	-7,167.81	1,986.48	7,475.83	7,465.04	10.79	692.725		
1,700.00	1,685.27	1,299.51	1,283.57	6.28	5.21	104.30	-7,171.29	1,978.83	7,488.84	7,477.40	11.44	654.342		
1,800.00	1,779.82	1,333.73	1,316.24	6.83	5.41	104.16	-7,175.67	1,969.68	7,503.64	7,491.47	12.17	616.604		
1,900.00	1,873.17	1,398.02	1,377.60	7.43	5.78	104.14	-7,184.26	1,952.52	7,520.19	7,507.07	13.11	573.413		
2,000.00	1,965.21	1,480.48	1,456.31	8.08	6.27	104.19	-7,195.09	1,930.44	7,537.89	7,523.67	14.22	530.076		
2,100.00	2,055.84	1,532.00	1,505.42	8.79	6.58	104.08	-7,202.01	1,916.50	7,557.15	7,541.96	15.19	497.367		
2,200.00	2,144.94	1,566.97	1,538.70	9.56	6.80	103.85	-7,206.87	1,906.93	7,578.10	7,561.97	16.13	469.948		
2,300.00	2,232.39	1,600.88	1,570.91	10.39	7.01	103.58	-7,211.76	1,897.51	7,600.80	7,583.70	17.10	444.416		
2,400.00	2,318.11	1,635.16	1,603.41	11.30	7.22	103.29	-7,216.87	1,887.89	7,625.24	7,607.11	18.14	420.394		
2,504.60	2,405.78	1,672.43	1,638.73	12.31	7.46	102.96	-7,222.57	1,877.45	7,652.64	7,633.35	19.29	396.693		
2,600.00	2,484.79	1,707.00	1,671.50	13.28	7.68	103.17	-7,227.96	1,867.83	7,678.90	7,658.52	20.38	376.801		
2,700.00	2,567.60	1,991.96	1,942.53	14.32	9.48	104.86	-7,268.70	1,789.88	7,706.57	7,683.48	23.09	333.753		
2,800.00	2,650.41	2,265.52	2,205.20	15.37	11.13	106.44	-7,298.45	1,719.64	7,732.20	7,706.53	25.67	301.234		
2,900.00	2,733.23	2,292.82	2,231.43	16.44	11.29	106.60	-7,301.19	1,712.58	7,758.50	7,731.73	26.77	289.810		
3,000.00	2,816.04	2,321.46	2,258.90	17.52	11.46	106.76	-7,304.22	1,705.06	7,785.78	7,757.90	27.88	279.232		
3,100.00	2,898.85	3,100.00	2,373.83	18.60	16.15	107.44	-7,316.91	1,673.92	7,813.88	7,780.46	33.42	233.822		
3,200.00	2,981.67	2,633.68	2,559.34	19.69	13.33	108.52	-7,334.43	1,625.77	7,841.59	7,809.98	31.61	248.051		
3,300.00	3,064.48	2,667.00	2,591.45	20.79	13.52	108.71	-7,337.16	1,617.26	7,869.45	7,836.70	32.75	240.325		
3,400.00	3,147.30	2,712.59	2,635.34	21.90	13.79	108.96	-7,341.05	1,605.54	7,898.10	7,864.15	33.95	232.650		
3,500.00	3,230.11	2,755.00	2,676.15	23.00	14.05	109.20	-7,345.06	1,594.73	7,927.85	7,892.72	35.13	225.686		
3,600.00	3,312.92	2,791.28	2,711.08	24.12	14.26	109.40	-7,348.59	1,585.62	7,958.41	7,922.14	36.26	219.472		
3,700.00	3,395.74	2,910.65	2,826.44	25.23	14.95	110.05	-7,359.55	1,556.96	7,989.30	7,951.44	37.86	211.006		
3,800.00	3,478.55	3,093.74	3,003.96	26.35	15.97	111.03	-7,374.51	1,514.74	8,020.24	7,980.44	39.80	201.533		
3,900.00	3,561.36	3,138.36	3,047.15	27.47	16.23	111.27	-7,377.84	1,504.04	8,051.20	8,010.24	40.96	196.577		
4,000.00	3,644.18	3,173.51	3,081.10	28.59	16.43	111.46	-7,380.62	1,495.38	8,082.98	8,040.93	42.06	192.191		
4,100.00	3,726.99	3,208.22	3,114.57	29.72	16.64	111.65	-7,383.50	1,486.63	8,115.59	8,072.44	43.15	188.084		
4,200.00	3,809.81	3,242.66	3,147.74	30.85	16.84	111.83	-7,386.49	1,477.85	8,149.02	8,104.79	44.23	184.229		
4,300.00	3,892.62	3,278.00	3,181.73	31.98	17.05	112.03	-7,389.69	1,468.72	8,183.27	8,137.96	45.31	180.592		
4,400.00	3,975.43	3,278.00	3,181.73	33.11	17.05	112.03	-7,389.69	1,468.72	8,218.45	8,172.27	46.17	177.985		
4,500.00	4,058.25	3,318.45	3,220.62	34.24	17.30	112.24	-7,393.64	1,458.30	8,254.37	8,207.11	47.27	174.632		
4,600.00	4,141.06	3,366.00	3,266.33	35.37	17.58	112.50	-7,398.82	1,446.28	8,291.40	8,243.01	48.39	171.335		
4,700.00	4,223.87	3,366.00	3,266.33	36.50	17.58	112.50	-7,398.82	1,446.28	8,329.05	8,279.82	49.22	169.208		
4,800.00	4,306.69	3,540.63	3,433.96	37.64	18.65	113.44	-7,417.24	1,400.95	8,366.97	8,315.87	51.10	163.735		
4,900.00	4,389.50	3,540.00	3,433.36	38.77	18.65	113.43	-7,417.17	1,401.12	8,405.33	8,353.42	51.91	161.919		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 0-6-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,472.32	3,576.83	3,468.61	39.91	18.88	113.63	-7,421.01	1,391.17	8,444.42	8,391.48	52.94	159.498		
5,100.00	4,555.13	4,936.48	4,809.47	41.05	24.17	119.40	-7,474.35	1,245.02	8,474.35	8,415.08	59.28	142.966		
5,200.00	4,637.94	5,062.76	4,935.68	42.18	24.47	119.83	-7,470.55	1,244.46	8,502.82	8,442.35	60.47	140.617		
5,300.00	4,720.76	5,150.91	5,023.78	43.32	24.68	120.14	-7,467.58	1,244.08	8,531.24	8,469.68	61.56	138.588		
5,400.00	4,803.57	5,214.71	5,087.54	44.46	24.83	120.36	-7,465.54	1,243.94	8,560.06	8,497.48	62.58	136.784		
5,500.00	4,886.39	5,278.56	5,151.37	45.60	24.99	120.57	-7,463.67	1,243.92	8,589.33	8,525.73	63.60	135.054		
5,600.00	4,969.20	5,286.00	5,158.81	46.74	25.00	120.60	-7,463.46	1,243.93	8,619.29	8,554.83	64.46	133.717		
5,700.00	5,052.01	5,340.73	5,213.52	47.88	25.15	120.78	-7,462.24	1,243.75	8,649.79	8,584.34	65.45	132.157		
5,800.00	5,134.83	5,369.40	5,242.19	49.02	25.23	120.88	-7,461.84	1,243.46	8,681.18	8,614.82	66.36	130.824		
5,900.00	5,217.64	5,397.81	5,270.59	50.16	25.31	120.98	-7,461.62	1,243.05	8,713.33	8,646.07	67.25	129.557		
6,000.00	5,300.45	5,461.00	5,333.77	51.30	25.48	121.20	-7,461.71	1,241.68	8,746.44	8,678.19	68.25	128.154		
6,100.00	5,383.27	5,461.00	5,333.77	52.45	25.48	121.20	-7,461.71	1,241.68	8,779.91	8,710.86	69.04	127.166		
6,200.00	5,466.08	5,505.98	5,378.74	53.59	25.61	121.35	-7,462.11	1,240.57	8,814.23	8,744.25	69.97	125.970		
6,300.00	5,548.90	5,566.96	5,439.70	54.73	25.78	121.56	-7,462.82	1,239.39	8,849.00	8,778.06	70.95	124.729		
6,400.00	5,631.71	5,636.00	5,508.73	55.87	25.98	121.79	-7,463.84	1,238.48	8,884.21	8,812.27	71.94	123.489		
6,500.00	5,714.52	5,882.90	5,755.62	57.02	26.66	122.60	-7,465.30	1,237.22	8,918.73	8,845.22	73.51	121.332		
6,600.00	5,797.34	6,043.36	5,916.06	58.16	27.11	123.13	-7,464.15	1,235.60	8,952.62	8,877.84	74.78	119.712		
6,700.00	5,880.15	6,196.91	6,069.59	59.30	27.52	123.62	-7,461.67	1,235.43	8,985.77	8,909.73	76.03	118.181		
6,800.00	5,962.96	6,268.83	6,141.50	60.45	27.72	123.85	-7,460.34	1,235.24	9,019.05	8,942.03	77.02	117.094		
6,900.00	6,045.78	6,342.43	6,215.08	61.59	27.92	124.08	-7,459.02	1,234.61	9,052.66	8,974.64	78.01	116.039		
7,000.00	6,128.59	6,438.84	6,311.47	62.73	28.19	124.39	-7,457.23	1,233.69	9,086.46	9,007.38	79.08	114.905		
7,100.00	6,211.41	6,535.61	6,408.22	63.88	28.46	124.69	-7,455.33	1,233.00	9,120.35	9,040.22	80.14	113.806		
7,200.00	6,294.22	6,587.26	6,459.86	65.02	28.59	124.86	-7,454.46	1,232.85	9,154.60	9,073.55	81.05	112.956		
7,300.00	6,377.03	6,648.84	6,521.43	66.17	28.76	125.04	-7,453.57	1,232.88	9,189.23	9,107.25	81.98	112.090		
7,400.00	6,459.85	6,723.82	6,596.41	67.31	28.96	125.27	-7,452.68	1,233.19	9,224.24	9,141.29	82.95	111.199		
7,500.00	6,542.66	6,815.35	6,687.93	68.46	29.21	125.55	-7,451.58	1,233.65	9,259.41	9,175.44	83.97	110.269		
7,600.00	6,625.48	6,913.92	6,786.49	69.60	29.47	125.84	-7,450.28	1,234.15	9,294.69	9,209.68	85.01	109.335		
7,700.00	6,708.29	7,018.53	6,891.08	70.75	29.76	126.15	-7,448.64	1,234.51	9,329.98	9,243.91	86.07	108.402		
7,800.00	6,791.10	7,088.73	6,961.27	71.89	29.95	126.36	-7,447.48	1,234.65	9,365.41	9,278.40	87.01	107.633		
7,900.00	6,873.92	7,153.74	7,026.28	73.04	30.13	126.55	-7,446.52	1,234.76	9,401.19	9,313.25	87.94	106.911		
8,000.00	6,956.73	7,229.19	7,101.73	74.18	30.34	126.78	-7,445.56	1,234.87	9,437.31	9,348.42	88.89	106.171		
8,100.00	7,039.54	7,353.41	7,225.93	75.33	30.69	127.14	-7,443.77	1,235.51	9,473.43	9,383.43	90.00	105.261		
8,165.32	7,093.63	7,408.55	7,281.06	76.08	30.84	127.29	-7,442.88	1,236.01	9,496.98	9,406.34	90.64	104.780		
8,200.00	7,122.60	7,430.39	7,302.90	76.47	30.90	122.30	-7,442.54	1,236.19	9,508.57	9,417.62	90.95	104.543		
8,250.00	7,165.05	7,462.32	7,334.82	77.01	30.99	114.47	-7,442.07	1,236.44	9,521.90	9,430.48	91.42	104.153		
8,300.00	7,208.03	7,494.56	7,367.06	77.52	31.08	106.09	-7,441.62	1,236.65	9,531.17	9,439.27	91.90	103.709		
8,350.00	7,251.22	7,526.87	7,399.37	77.99	31.17	97.53	-7,441.21	1,236.83	9,536.30	9,443.92	92.39	103.221		
8,400.00	7,294.28	7,560.06	7,432.55	78.41	31.26	89.22	-7,440.82	1,236.99	9,537.28	9,444.41	92.87	102.691		
8,450.00	7,336.90	7,602.79	7,475.28	78.78	31.38	81.57	-7,440.33	1,237.17	9,534.06	9,440.67	93.39	102.091		
8,500.00	7,378.73	7,644.69	7,517.17	79.10	31.50	74.82	-7,439.85	1,237.35	9,526.66	9,432.77	93.89	101.467		
8,550.00	7,419.47	7,685.43	7,557.91	79.37	31.62	69.08	-7,439.38	1,237.52	9,515.13	9,420.76	94.37	100.826		
8,600.00	7,458.81	7,724.71	7,597.19	79.59	31.73	64.36	-7,438.93	1,237.68	9,499.57	9,404.74	94.83	100.171		
8,650.00	7,496.44	7,759.83	7,632.30	79.76	31.83	60.57	-7,438.53	1,237.84	9,480.09	9,384.83	95.26	99.518		
8,700.00	7,532.08	7,792.67	7,665.15	79.88	31.92	57.64	-7,438.18	1,238.05	9,456.86	9,361.20	95.66	98.859		
8,750.00	7,565.46	7,823.48	7,695.95	79.95	32.01	55.51	-7,437.88	1,238.31	9,430.04	9,334.01	96.03	98.196		
8,800.00	7,596.33	7,852.01	7,724.48	79.98	32.09	54.11	-7,437.62	1,238.59	9,399.83	9,303.45	96.38	97.532		
8,850.00	7,624.44	7,878.03	7,750.50	79.97	32.16	53.43	-7,437.39	1,238.89	9,366.45	9,269.76	96.69	96.871		
8,900.00	7,649.59	7,901.33	7,773.80	79.93	32.22	53.49	-7,437.20	1,239.19	9,330.15	9,233.18	96.97	96.213		
8,950.00	7,671.59	7,918.79	7,791.26	79.84	32.27	54.35	-7,437.07	1,239.43	9,291.20	9,193.98	97.22	95.573		
9,000.00	7,690.26	7,933.06	7,805.53	79.73	32.31	56.17	-7,436.97	1,239.63	9,249.89	9,152.46	97.43	94.942		
9,050.00	7,705.47	7,944.67	7,817.13	79.59	32.34	59.23	-7,436.90	1,239.80	9,206.51	9,108.90	97.61	94.319		
9,100.00	7,717.09	7,953.51	7,825.97	79.43	32.37	64.03	-7,436.84	1,239.92	9,161.39	9,063.62	97.77	93.705		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 0-6-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,725.04	7,959.50	7,831.96	79.26	32.38	71.39	-7,436.81	1,240.01	9,114.85	9,016.95	97.90	93.104		
9,200.00	7,729.27	7,962.59	7,835.05	79.06	32.39	82.56	-7,436.79	1,240.06	9,067.24	8,969.23	98.01	92.515		
9,231.13	7,730.00	7,963.03	7,835.49	78.93	32.39	92.09	-7,436.79	1,240.07	9,037.21	8,939.14	98.06	92.155		
9,300.00	7,730.00	7,962.73	7,835.19	78.65	32.39	92.08	-7,436.79	1,240.06	8,970.55	8,872.37	98.18	91.368		
9,400.00	7,730.00	7,962.29	7,834.75	78.26	32.39	92.07	-7,436.79	1,240.05	8,873.81	8,775.46	98.35	90.224		
9,500.00	7,730.00	7,961.85	7,834.31	77.89	32.39	92.06	-7,436.80	1,240.05	8,777.15	8,678.62	98.53	89.081		
9,600.00	7,730.00	7,961.41	7,833.87	77.53	32.39	92.05	-7,436.80	1,240.04	8,680.57	8,581.85	98.71	87.937		
9,700.00	7,730.00	7,960.97	7,833.42	77.19	32.39	92.04	-7,436.80	1,240.04	8,584.06	8,485.16	98.90	86.792		
9,800.00	7,730.00	7,960.52	7,832.98	76.88	32.39	92.03	-7,436.80	1,240.03	8,487.64	8,388.54	99.10	85.648		
9,900.00	7,730.00	7,960.07	7,832.53	76.58	32.39	92.02	-7,436.81	1,240.02	8,391.29	8,291.99	99.30	84.503		
10,000.00	7,730.00	7,959.62	7,832.07	76.30	32.38	92.00	-7,436.81	1,240.02	8,295.04	8,195.53	99.51	83.358		
10,100.00	7,730.00	7,959.16	7,831.62	76.04	32.38	91.99	-7,436.81	1,240.01	8,198.87	8,099.15	99.73	82.213		
10,200.00	7,730.00	7,958.70	7,831.16	75.79	32.38	91.98	-7,436.81	1,240.00	8,102.80	8,002.85	99.95	81.068		
10,300.00	7,730.00	7,958.24	7,830.70	75.57	32.38	91.97	-7,436.82	1,239.99	8,006.82	7,906.64	100.18	79.923		
10,400.00	7,730.00	7,957.78	7,830.23	75.36	32.38	91.96	-7,436.82	1,239.99	7,910.94	7,810.53	100.42	78.779		
10,500.00	7,730.00	7,957.31	7,829.77	75.18	32.38	91.95	-7,436.82	1,239.98	7,815.17	7,714.50	100.67	77.634		
10,600.00	7,730.00	7,956.84	7,829.30	75.01	32.38	91.93	-7,436.82	1,239.97	7,719.50	7,618.58	100.92	76.490		
10,700.00	7,730.00	7,956.37	7,828.82	74.86	32.38	91.92	-7,436.83	1,239.97	7,623.95	7,522.76	101.19	75.347		
10,800.00	7,730.00	7,955.89	7,828.35	74.74	32.37	91.91	-7,436.83	1,239.96	7,528.51	7,427.05	101.46	74.203		
10,900.00	7,730.00	7,955.41	7,827.87	74.64	32.37	91.90	-7,436.83	1,239.95	7,433.19	7,331.45	101.74	73.061		
11,000.00	7,730.00	7,954.93	7,827.39	74.56	32.37	91.88	-7,436.84	1,239.95	7,337.99	7,235.96	102.03	71.919		
11,100.00	7,730.00	7,954.44	7,826.90	74.51	32.37	91.87	-7,436.84	1,239.94	7,242.92	7,140.59	102.33	70.777		
11,200.00	7,730.00	7,953.96	7,826.41	74.48	32.37	91.86	-7,436.84	1,239.93	7,147.99	7,045.35	102.65	69.637		
11,300.00	7,730.00	7,953.46	7,825.92	74.48	32.37	91.85	-7,436.84	1,239.92	7,053.20	6,950.23	102.97	68.498		
11,400.00	7,730.00	7,952.97	7,825.43	74.50	32.37	91.84	-7,436.85	1,239.92	6,958.55	6,855.25	103.30	67.359		
11,500.00	7,730.00	7,952.47	7,824.93	74.56	32.36	91.82	-7,436.85	1,239.91	6,864.06	6,760.41	103.65	66.222		
11,600.00	7,730.00	7,951.97	7,824.43	74.66	32.36	91.81	-7,436.85	1,239.90	6,769.72	6,665.71	104.01	65.087		
11,700.00	7,730.00	7,951.47	7,823.93	74.79	32.36	91.80	-7,436.86	1,239.90	6,675.55	6,571.17	104.38	63.952		
11,800.00	7,730.00	7,950.96	7,823.42	74.96	32.36	91.78	-7,436.86	1,239.89	6,581.55	6,476.78	104.77	62.820		
11,900.00	7,730.00	7,950.45	7,822.91	75.17	32.36	91.77	-7,436.86	1,239.88	6,487.73	6,382.56	105.17	61.689		
12,000.00	7,730.00	7,949.94	7,822.40	75.43	32.36	91.76	-7,436.87	1,239.87	6,394.10	6,288.52	105.58	60.560		
12,100.00	7,730.00	7,949.42	7,821.88	75.73	32.36	91.75	-7,436.87	1,239.87	6,300.66	6,194.65	106.01	59.433		
12,200.00	7,730.00	7,948.90	7,821.36	76.09	32.35	91.73	-7,436.87	1,239.86	6,207.43	6,100.97	106.46	58.309		
12,300.00	7,730.00	7,948.38	7,820.84	76.51	32.35	91.72	-7,436.87	1,239.85	6,114.41	6,007.49	106.92	57.187		
12,400.00	7,730.00	7,947.85	7,820.31	76.97	32.35	91.71	-7,436.88	1,239.84	6,021.61	5,914.21	107.40	56.068		
12,500.00	7,730.00	7,947.32	7,819.78	77.50	32.35	91.69	-7,436.88	1,239.83	5,929.05	5,821.16	107.90	54.951		
12,600.00	7,730.00	7,946.78	7,819.24	78.09	32.35	91.68	-7,436.88	1,239.83	5,836.74	5,728.32	108.41	53.838		
12,700.00	7,730.00	7,946.25	7,818.71	78.74	32.35	91.66	-7,436.89	1,239.82	5,744.68	5,635.73	108.95	52.728		
12,800.00	7,730.00	7,945.71	7,818.17	79.45	32.35	91.65	-7,436.89	1,239.81	5,652.89	5,543.38	109.51	51.622		
12,900.00	7,730.00	7,945.16	7,817.62	80.22	32.34	91.64	-7,436.89	1,239.80	5,561.38	5,451.30	110.08	50.519		
13,000.00	7,730.00	7,944.61	7,817.07	81.05	32.34	91.62	-7,436.90	1,239.80	5,470.17	5,359.49	110.69	49.421		
13,100.00	7,730.00	7,944.06	7,816.52	81.94	32.34	91.61	-7,436.90	1,239.79	5,379.28	5,267.97	111.31	48.327		
13,200.00	7,730.00	7,943.50	7,815.96	82.87	32.34	91.60	-7,436.90	1,239.78	5,288.71	5,176.75	111.96	47.238		
13,300.00	7,730.00	7,942.94	7,815.40	83.86	32.34	91.58	-7,436.91	1,239.77	5,198.49	5,085.86	112.63	46.154		
13,400.00	7,730.00	7,942.38	7,814.84	84.90	32.34	91.57	-7,436.91	1,239.76	5,108.63	4,995.30	113.33	45.076		
13,500.00	7,730.00	7,941.81	7,814.27	85.97	32.34	91.55	-7,436.92	1,239.75	5,019.16	4,905.09	114.06	44.003		
13,600.00	7,730.00	7,941.24	7,813.70	87.09	32.33	91.54	-7,436.92	1,239.75	4,930.09	4,815.27	114.82	42.937		
13,700.00	7,730.00	7,940.67	7,813.13	88.25	32.33	91.52	-7,436.92	1,239.74	4,841.45	4,725.84	115.61	41.877		
13,800.00	7,730.00	7,940.09	7,812.55	89.44	32.33	91.51	-7,436.93	1,239.73	4,753.25	4,636.82	116.43	40.825		
13,900.00	7,730.00	7,939.50	7,811.96	90.66	32.33	91.49	-7,436.93	1,239.72	4,665.54	4,548.25	117.28	39.780		
14,000.00	7,730.00	7,938.92	7,811.38	91.92	32.33	91.48	-7,436.93	1,239.71	4,578.33	4,460.15	118.17	38.742		
14,100.00	7,730.00	7,938.32	7,810.78	93.20	32.33	91.46	-7,436.94	1,239.70	4,491.65	4,372.55	119.10	37.714		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,730.00	7,937.73	7,810.19	94.50	32.32	91.45	-7,436.94	1,239.70	4,405.53	4,285.47	120.06	36.695		
14,300.00	7,730.00	7,937.13	7,809.59	95.83	32.32	91.43	-7,436.95	1,239.69	4,320.01	4,198.95	121.06	35.685		
14,400.00	7,730.00	7,936.53	7,808.99	97.17	32.32	91.42	-7,436.95	1,239.68	4,235.13	4,113.03	122.10	34.685		
14,500.00	7,730.00	7,935.92	7,808.38	98.54	32.32	91.40	-7,436.95	1,239.67	4,150.92	4,027.74	123.19	33.697		
14,600.00	7,730.00	7,935.30	7,807.77	99.92	32.32	91.39	-7,436.96	1,239.66	4,067.43	3,943.12	124.31	32.719		
14,700.00	7,730.00	7,934.69	7,807.15	101.32	32.32	91.37	-7,436.96	1,239.65	3,984.69	3,859.21	125.48	31.754		
14,800.00	7,730.00	7,934.07	7,806.53	102.74	32.31	91.36	-7,436.97	1,239.64	3,902.77	3,776.07	126.70	30.803		
14,900.00	7,730.00	7,933.44	7,805.90	104.17	32.31	91.34	-7,436.97	1,239.63	3,821.70	3,693.73	127.97	29.864		
15,000.00	7,730.00	7,932.81	7,805.27	105.62	32.31	91.32	-7,436.97	1,239.63	3,741.56	3,612.27	129.28	28.940		
15,100.00	7,730.00	7,932.17	7,804.64	107.07	32.31	91.31	-7,436.98	1,239.62	3,662.38	3,531.73	130.65	28.032		
15,200.00	7,730.00	7,931.54	7,804.00	108.54	32.31	91.29	-7,436.98	1,239.61	3,584.25	3,452.19	132.07	27.140		
15,300.00	7,730.00	7,930.89	7,803.35	110.02	32.31	91.28	-7,436.99	1,239.60	3,507.23	3,373.70	133.53	26.265		
15,400.00	7,730.00	7,930.24	7,802.70	111.51	32.30	91.26	-7,436.99	1,239.59	3,431.40	3,296.34	135.05	25.407		
15,500.00	7,730.00	7,929.59	7,802.05	113.01	32.30	91.24	-7,437.00	1,239.58	3,356.83	3,220.20	136.63	24.569		
15,600.00	7,730.00	7,928.93	7,801.39	114.52	32.30	91.23	-7,437.00	1,239.57	3,283.61	3,145.36	138.25	23.751		
15,700.00	7,730.00	7,928.27	7,800.73	116.04	32.30	91.21	-7,437.01	1,239.56	3,211.84	3,071.91	139.93	22.954		
15,800.00	7,730.00	7,930.38	7,802.84	117.56	32.31	91.26	-7,436.99	1,239.60	3,141.60	2,999.93	141.67	22.175		
15,900.00	7,730.00	7,929.59	7,802.05	119.09	32.30	91.24	-7,436.99	1,239.59	3,073.02	2,929.58	143.44	21.423		
16,000.00	7,730.00	7,928.80	7,801.26	120.63	32.30	91.22	-7,437.00	1,239.58	3,006.21	2,860.95	145.26	20.696		
16,100.00	7,730.00	7,928.00	7,800.46	122.18	32.30	91.20	-7,437.00	1,239.57	2,941.27	2,794.16	147.11	19.994		
16,200.00	7,730.00	7,927.20	7,799.66	123.73	32.30	91.18	-7,437.01	1,239.55	2,878.35	2,729.35	149.00	19.318		
16,300.00	7,730.00	7,926.39	7,798.86	125.29	32.29	91.16	-7,437.01	1,239.54	2,817.57	2,666.66	150.91	18.670		
16,400.00	7,730.00	7,925.59	7,798.05	126.86	32.29	91.14	-7,437.02	1,239.53	2,759.07	2,606.23	152.85	18.051		
16,500.00	7,730.00	7,924.77	7,797.23	128.43	32.29	91.12	-7,437.03	1,239.52	2,703.02	2,548.22	154.79	17.462		
16,600.00	7,730.00	7,923.96	7,796.42	130.01	32.29	91.10	-7,437.03	1,239.51	2,649.55	2,492.81	156.74	16.904		
16,700.00	7,730.00	7,923.14	7,795.60	131.59	32.29	91.08	-7,437.04	1,239.49	2,598.83	2,440.15	158.67	16.378		
16,800.00	7,730.00	7,922.31	7,794.77	133.18	32.28	91.06	-7,437.04	1,239.48	2,551.02	2,390.44	160.58	15.886		
16,900.00	7,730.00	7,921.48	7,793.95	134.77	32.28	91.04	-7,437.05	1,239.47	2,506.29	2,343.85	162.44	15.429		
17,000.00	7,730.00	7,920.65	7,793.11	136.37	32.28	91.02	-7,437.06	1,239.46	2,464.81	2,300.57	164.25	15.007		
17,100.00	7,730.00	7,919.82	7,792.28	137.97	32.28	91.00	-7,437.06	1,239.45	2,426.75	2,260.78	165.97	14.622		
17,200.00	7,730.00	7,918.98	7,791.44	139.57	32.27	90.97	-7,437.07	1,239.43	2,392.26	2,224.66	167.60	14.274		
17,300.00	7,730.00	7,918.13	7,790.60	141.18	32.27	90.95	-7,437.08	1,239.42	2,361.50	2,192.40	169.10	13.965		
17,400.00	7,730.00	7,917.28	7,789.75	142.79	32.27	90.93	-7,437.08	1,239.41	2,334.63	2,164.15	170.47	13.695		
17,500.00	7,730.00	7,916.43	7,788.89	144.41	32.27	90.91	-7,437.09	1,239.40	2,311.77	2,140.08	171.68	13.465		
17,600.00	7,730.00	7,915.58	7,788.04	146.03	32.26	90.89	-7,437.09	1,239.38	2,293.05	2,120.33	172.72	13.276		
17,700.00	7,730.00	7,914.71	7,787.18	147.65	32.26	90.87	-7,437.10	1,239.37	2,278.56	2,105.00	173.56	13.128		
17,800.00	7,730.00	7,913.85	7,786.31	149.28	32.26	90.84	-7,437.11	1,239.36	2,268.40	2,094.20	174.20	13.022		
17,900.00	7,730.00	7,912.98	7,785.44	150.91	32.26	90.82	-7,437.11	1,239.35	2,262.61	2,087.99	174.62	12.957		
17,981.08	7,730.00	7,912.27	7,784.74	152.23	32.25	90.80	-7,437.12	1,239.34	2,261.16	2,086.36	174.80	12.936 CC, ES		
18,000.00	7,730.00	7,912.11	7,784.57	152.54	32.25	90.80	-7,437.12	1,239.34	2,261.24	2,086.42	174.82	12.935 SF		
18,100.00	7,730.00	7,911.23	7,783.69	154.18	32.25	90.78	-7,437.13	1,239.32	2,264.28	2,089.50	174.79	12.955		
18,200.00	7,730.00	7,910.35	7,782.81	155.82	32.25	90.76	-7,437.13	1,239.31	2,271.73	2,097.20	174.53	13.016		
18,300.00	7,730.00	7,909.46	7,781.92	157.46	32.25	90.73	-7,437.14	1,239.30	2,283.54	2,109.48	174.06	13.120		
18,400.00	7,730.00	7,908.57	7,781.03	159.11	32.24	90.71	-7,437.15	1,239.29	2,299.64	2,126.27	173.37	13.264		
18,500.00	7,730.00	7,907.67	7,780.14	160.75	32.24	90.69	-7,437.15	1,239.27	2,319.94	2,147.45	172.49	13.450		
18,600.00	7,730.00	7,906.77	7,779.24	162.40	32.24	90.66	-7,437.16	1,239.26	2,344.33	2,172.91	171.42	13.676		
18,700.00	7,730.00	7,905.87	7,778.33	164.05	32.24	90.64	-7,437.17	1,239.25	2,372.69	2,202.50	170.18	13.942		
18,800.00	7,730.00	7,904.96	7,777.42	165.71	32.23	90.62	-7,437.18	1,239.24	2,404.88	2,236.07	168.81	14.246		
18,900.00	7,730.00	7,904.05	7,776.51	167.36	32.23	90.60	-7,437.18	1,239.22	2,440.74	2,273.44	167.30	14.589		
18,942.39	7,730.00	7,903.66	7,776.12	168.07	32.23	90.59	-7,437.19	1,239.22	2,457.01	2,290.38	166.63	14.746		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	69.95	69.95	0.00	0.11	163.43	-7,136.62	2,123.58	7,446.01					
100.00	100.00	124.99	124.98	0.13	0.29	163.44	-7,136.68	2,122.66	7,445.66	7,445.23	0.43	N/A		
104.10	104.10	127.11	127.10	0.15	0.30	163.44	-7,136.69	2,122.63	7,445.66	7,445.21	0.45	N/A		
200.00	200.00	187.74	187.72	0.49	0.52	163.44	-7,137.18	2,121.65	7,445.94	7,444.93	1.01	7,360.981		
300.00	300.00	293.94	293.84	0.85	0.91	163.48	-7,138.76	2,117.96	7,446.38	7,444.62	1.76	4,239.906		
400.00	400.00	373.07	372.79	1.21	1.20	163.52	-7,140.56	2,113.03	7,446.81	7,444.40	2.41	3,091.107		
500.00	500.00	440.00	439.46	1.57	1.45	163.56	-7,142.94	2,107.65	7,447.87	7,444.85	3.02	2,464.831		
600.00	600.00	440.00	439.46	1.93	1.45	163.56	-7,142.94	2,107.65	7,449.67	7,446.29	3.38	2,203.743		
700.00	700.00	483.08	482.31	2.29	1.62	163.59	-7,145.19	2,103.70	7,452.33	7,448.42	3.91	1,906.810		
800.00	800.00	533.00	531.84	2.64	1.82	163.64	-7,148.82	2,098.70	7,456.20	7,451.73	4.46	1,670.835		
900.00	899.98	533.00	531.84	3.00	1.82	103.96	-7,148.82	2,098.70	7,461.19	7,456.38	4.82	1,549.203		
1,000.00	999.84	576.51	574.92	3.35	2.00	103.88	-7,152.68	2,094.01	7,468.05	7,462.70	5.35	1,396.783		
1,100.00	1,099.45	625.00	622.85	3.71	2.21	103.80	-7,157.54	2,088.49	7,476.58	7,470.67	5.90	1,266.522		
1,200.00	1,198.70	653.05	650.52	4.08	2.33	103.66	-7,160.63	2,085.10	7,486.73	7,480.34	6.39	1,171.681		
1,300.00	1,297.47	689.27	686.18	4.47	2.49	103.51	-7,164.95	2,080.44	7,498.57	7,491.64	6.93	1,082.800		
1,400.00	1,395.62	717.00	713.42	4.87	2.61	103.32	-7,168.52	2,076.66	7,512.09	7,504.65	7.44	1,009.368		
1,500.00	1,493.06	749.74	745.49	5.31	2.77	103.12	-7,173.07	2,071.93	7,527.34	7,519.32	8.01	939.297		
1,600.00	1,589.64	775.74	770.88	5.77	2.89	102.87	-7,177.00	2,067.94	7,544.35	7,535.77	8.58	879.025		
1,700.00	1,685.27	809.00	803.25	6.28	3.05	102.62	-7,182.43	2,062.53	7,563.13	7,553.91	9.22	820.416		
1,800.00	1,779.82	809.00	803.25	6.83	3.05	102.21	-7,182.43	2,062.53	7,583.67	7,573.93	9.74	778.851		
1,900.00	1,873.17	841.38	834.64	7.43	3.22	101.89	-7,188.16	2,057.08	7,605.90	7,595.44	10.46	727.361		
2,000.00	1,965.21	859.90	852.55	8.08	3.32	101.49	-7,191.66	2,053.93	7,629.92	7,618.77	11.15	684.096		
2,100.00	2,055.84	898.00	889.29	8.79	3.51	101.15	-7,199.34	2,047.37	7,655.77	7,643.78	12.00	638.212		
2,200.00	2,144.94	898.00	889.29	9.56	3.51	100.59	-7,199.34	2,047.37	7,683.08	7,670.38	12.70	605.075		
2,300.00	2,232.39	898.00	889.29	10.39	3.51	99.99	-7,199.34	2,047.37	7,712.20	7,698.75	13.45	573.340		
2,400.00	2,318.11	938.79	928.49	11.30	3.74	99.58	-7,208.14	2,040.30	7,742.75	7,728.27	14.47	534.983		
2,504.60	2,405.78	960.83	949.63	12.31	3.86	99.00	-7,213.09	2,036.48	7,776.40	7,760.91	15.49	502.011		
2,600.00	2,484.79	1,011.00	997.61	13.28	4.14	99.28	-7,224.84	2,027.76	7,808.48	7,791.87	16.61	470.190		
2,700.00	2,567.60	1,011.00	997.61	14.32	4.14	99.28	-7,224.84	2,027.76	7,842.68	7,825.17	17.51	447.846		
2,800.00	2,650.41	1,011.00	997.61	15.37	4.14	99.28	-7,224.84	2,027.76	7,878.00	7,859.58	18.42	427.642		
2,900.00	2,733.23	1,011.00	997.61	16.44	4.14	99.28	-7,224.84	2,027.76	7,914.43	7,895.10	19.33	409.359		
3,000.00	2,816.04	1,058.48	1,042.88	17.52	4.42	99.55	-7,236.61	2,019.59	7,951.48	7,930.98	20.50	387.862		
3,100.00	2,898.85	1,100.00	1,082.35	18.60	4.67	99.79	-7,247.41	2,012.59	7,989.73	7,968.09	21.64	369.223		
3,200.00	2,981.67	1,100.00	1,082.35	19.69	4.67	99.79	-7,247.41	2,012.59	8,028.68	8,006.14	22.55	356.114		
3,300.00	3,064.48	1,100.00	1,082.35	20.79	4.67	99.79	-7,247.41	2,012.59	8,068.69	8,045.25	23.45	344.143		
3,400.00	3,147.30	1,138.58	1,118.96	21.90	4.90	100.01	-7,257.84	2,006.27	8,109.46	8,084.91	24.55	330.291		
3,500.00	3,230.11	1,159.99	1,139.24	23.00	5.03	100.13	-7,263.76	2,002.85	8,151.15	8,125.59	25.56	318.911		
3,600.00	3,312.92	1,187.00	1,164.81	24.12	5.19	100.28	-7,271.38	1,998.64	8,193.68	8,167.09	26.59	308.134		
3,700.00	3,395.74	1,187.00	1,164.81	25.23	5.19	100.28	-7,271.38	1,998.64	8,237.08	8,209.62	27.46	299.929		
3,800.00	3,478.55	1,221.20	1,197.11	26.35	5.41	100.47	-7,281.28	1,993.28	8,281.23	8,252.71	28.52	290.351		
3,900.00	3,561.36	1,240.52	1,215.29	27.47	5.53	100.57	-7,287.01	1,990.19	8,326.25	8,296.76	29.49	282.373		
4,000.00	3,644.18	1,275.00	1,247.66	28.59	5.75	100.77	-7,297.47	1,984.53	8,372.12	8,341.59	30.53	274.217		
4,100.00	3,726.99	1,275.00	1,247.66	29.72	5.75	100.77	-7,297.47	1,984.53	8,418.71	8,387.34	31.37	268.394		
4,200.00	3,809.81	1,310.67	1,281.05	30.85	5.98	100.97	-7,308.54	1,978.60	8,466.06	8,433.66	32.40	261.271		
4,300.00	3,892.62	1,340.77	1,309.19	31.98	6.18	101.13	-7,317.98	1,973.60	8,514.12	8,480.72	33.40	254.925		
4,400.00	3,975.43	1,374.65	1,340.82	33.11	6.41	101.32	-7,328.73	1,967.99	8,562.86	8,528.45	34.41	248.861		
4,500.00	4,058.25	1,417.66	1,380.92	34.24	6.70	101.56	-7,342.47	1,960.70	8,612.21	8,576.74	35.47	242.832		
4,600.00	4,141.06	1,449.00	1,410.10	35.37	6.91	101.73	-7,352.53	1,955.26	8,662.14	8,625.70	36.44	237.686		
4,700.00	4,223.87	1,449.00	1,410.10	36.50	6.91	101.73	-7,352.53	1,955.26	8,712.86	8,675.64	37.22	234.085		
4,800.00	4,306.69	1,491.07	1,449.16	37.64	7.20	101.97	-7,366.28	1,947.82	8,764.11	8,725.86	38.25	229.130		
4,900.00	4,389.50	1,509.33	1,466.06	38.77	7.33	102.07	-7,372.38	1,944.55	8,816.16	8,777.04	39.12	225.359		
5,000.00	4,472.32	1,537.00	1,491.60	39.91	7.53	102.22	-7,381.76	1,939.56	8,868.94	8,828.90	40.04	221.499		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 0-8-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	1,537.00	1,491.60	41.05	7.53	102.22	-7,381.76	1,939.56	8,922.39	8,881.61	40.78	218.810		
5,200.00	4,637.94	1,537.00	1,491.60	42.18	7.53	102.22	-7,381.76	1,939.56	8,976.63	8,935.13	41.50	216.293		
5,300.00	4,720.76	1,571.37	1,523.21	43.32	7.78	102.41	-7,393.72	1,933.30	9,031.39	8,988.95	42.44	212.810		
5,400.00	4,803.57	1,585.05	1,535.75	44.46	7.88	102.49	-7,398.59	1,930.78	9,086.92	9,043.69	43.23	210.188		
5,500.00	4,886.39	1,624.00	1,571.29	45.60	8.17	102.71	-7,412.78	1,923.57	9,143.27	9,099.09	44.18	206.954		
5,600.00	4,969.20	1,624.00	1,571.29	46.74	8.17	102.71	-7,412.78	1,923.57	9,200.03	9,155.16	44.87	205.059		
5,700.00	5,052.01	1,624.00	1,571.29	47.88	8.17	102.71	-7,412.78	1,923.57	9,257.51	9,211.97	45.54	203.285		
5,800.00	5,134.83	1,624.00	1,571.29	49.02	8.17	102.71	-7,412.78	1,923.57	9,315.71	9,269.51	46.20	201.623		
5,900.00	5,217.64	1,663.44	1,607.13	50.16	8.47	102.92	-7,427.54	1,916.24	9,374.38	9,327.25	47.12	198.943		
6,000.00	5,300.45	1,682.10	1,624.03	51.30	8.61	103.03	-7,434.63	1,912.79	9,433.69	9,385.80	47.89	196.984		
6,100.00	5,383.27	1,711.00	1,650.17	52.45	8.84	103.19	-7,445.75	1,907.47	9,493.60	9,444.88	48.72	194.857		
6,200.00	5,466.08	1,728.45	1,665.93	53.59	8.97	103.28	-7,452.52	1,904.24	9,554.02	9,504.56	49.47	193.144		
6,300.00	5,548.90	1,768.07	1,701.67	54.73	9.29	103.50	-7,467.90	1,896.78	9,614.92	9,564.56	50.35	190.947		
6,400.00	5,631.71	2,192.81	2,087.20	55.87	12.62	105.77	-7,626.25	1,815.14	9,676.01	9,622.15	53.86	179.653		
6,500.00	5,714.52	2,235.00	2,125.78	57.02	12.94	105.99	-7,641.17	1,806.87	9,735.57	9,680.81	54.76	177.794		
6,600.00	5,797.34	2,235.00	2,125.78	58.16	12.94	105.99	-7,641.17	1,806.87	9,795.65	9,740.28	55.36	176.939		
6,700.00	5,880.15	2,235.00	2,125.78	59.30	12.94	105.99	-7,641.17	1,806.87	9,856.37	9,800.42	55.96	176.143		
6,800.00	5,962.96	2,271.81	2,159.34	60.45	13.24	106.19	-7,654.43	1,799.57	9,917.44	9,860.64	56.80	174.613		
6,900.00	6,045.78	2,284.25	2,170.63	61.59	13.34	106.25	-7,659.00	1,797.07	9,979.19	9,921.73	57.46	173.671		
9,600.00	7,730.00	8,433.00	8,062.15	77.53	43.56	97.51	-8,717.88	1,149.76	9,947.72	9,847.34	100.38	99.101		
9,700.00	7,730.00	8,433.00	8,062.15	77.19	43.56	97.51	-8,717.88	1,149.76	9,850.62	9,750.06	100.56	97.957		
9,800.00	7,730.00	8,433.00	8,062.15	76.88	43.56	97.51	-8,717.88	1,149.76	9,753.58	9,652.83	100.75	96.813		
9,900.00	7,730.00	8,433.00	8,062.15	76.58	43.56	97.51	-8,717.88	1,149.76	9,656.59	9,555.65	100.94	95.668		
10,000.00	7,730.00	8,433.00	8,062.15	76.30	43.56	97.51	-8,717.88	1,149.76	9,559.67	9,458.54	101.14	94.523		
10,100.00	7,730.00	8,433.00	8,062.15	76.04	43.56	97.51	-8,717.88	1,149.76	9,462.82	9,361.48	101.34	93.377		
10,200.00	7,730.00	8,433.00	8,062.15	75.79	43.56	97.51	-8,717.88	1,149.76	9,366.03	9,264.48	101.55	92.231		
10,300.00	7,730.00	8,433.00	8,062.15	75.57	43.56	97.51	-8,717.88	1,149.76	9,269.31	9,167.54	101.77	91.084		
10,400.00	7,730.00	8,433.00	8,062.15	75.36	43.56	97.51	-8,717.88	1,149.76	9,172.66	9,070.67	101.99	89.938		
10,500.00	7,730.00	8,394.09	8,023.25	75.18	43.49	96.57	-8,718.81	1,149.11	9,075.90	8,973.80	102.11	88.886		
10,600.00	7,730.00	8,392.81	8,021.98	75.01	43.49	96.54	-8,718.84	1,149.09	8,979.39	8,877.05	102.34	87.741		
10,700.00	7,730.00	8,391.52	8,020.69	74.86	43.48	96.51	-8,718.88	1,149.07	8,882.95	8,780.37	102.58	86.596		
10,800.00	7,730.00	8,390.20	8,019.37	74.74	43.48	96.48	-8,718.91	1,149.05	8,786.59	8,683.76	102.83	85.451		
10,900.00	7,730.00	8,388.87	8,018.04	74.64	43.48	96.44	-8,718.95	1,149.03	8,690.31	8,587.23	103.08	84.306		
11,000.00	7,730.00	8,387.52	8,016.69	74.56	43.48	96.41	-8,718.99	1,149.01	8,594.12	8,490.78	103.34	83.161		
11,100.00	7,730.00	8,386.15	8,015.32	74.51	43.47	96.38	-8,719.03	1,148.99	8,498.01	8,394.40	103.61	82.016		
11,200.00	7,730.00	8,384.76	8,013.93	74.48	43.47	96.34	-8,719.06	1,148.97	8,402.00	8,298.10	103.89	80.871		
11,300.00	7,730.00	8,383.34	8,012.51	74.48	43.47	96.31	-8,719.10	1,148.95	8,306.08	8,201.89	104.18	79.726		
11,400.00	7,730.00	8,381.91	8,011.08	74.50	43.47	96.28	-8,719.15	1,148.93	8,210.25	8,105.77	104.48	78.582		
11,500.00	7,730.00	8,380.45	8,009.62	74.56	43.46	96.24	-8,719.19	1,148.91	8,114.53	8,009.74	104.79	77.438		
11,600.00	7,730.00	8,378.97	8,008.15	74.66	43.46	96.20	-8,719.23	1,148.88	8,018.91	7,913.80	105.10	76.295		
11,700.00	7,730.00	8,377.47	8,006.65	74.79	43.46	96.17	-8,719.27	1,148.86	7,923.39	7,817.96	105.43	75.152		
11,800.00	7,730.00	8,375.95	8,005.12	74.96	43.46	96.13	-8,719.32	1,148.84	7,827.99	7,722.22	105.77	74.010		
11,900.00	7,730.00	8,374.40	8,003.57	75.17	43.45	96.09	-8,719.36	1,148.82	7,732.70	7,626.58	106.12	72.868		
12,000.00	7,730.00	8,372.82	8,002.00	75.43	43.45	96.06	-8,719.41	1,148.80	7,637.54	7,531.06	106.48	71.728		
12,100.00	7,730.00	8,371.23	8,000.40	75.73	43.45	96.02	-8,719.46	1,148.78	7,542.50	7,435.64	106.85	70.588		
12,200.00	7,730.00	8,369.60	7,998.78	76.09	43.44	95.98	-8,719.51	1,148.76	7,447.58	7,340.35	107.24	69.449		
12,300.00	7,730.00	8,367.95	7,997.13	76.51	43.44	95.94	-8,719.56	1,148.74	7,352.80	7,245.17	107.64	68.312		
12,400.00	7,730.00	8,366.27	7,995.45	76.97	43.44	95.90	-8,719.61	1,148.71	7,258.17	7,150.12	108.05	67.176		
12,500.00	7,730.00	8,364.57	7,993.75	77.50	43.44	95.86	-8,719.66	1,148.69	7,163.67	7,055.20	108.47	66.042		
12,600.00	7,730.00	8,362.83	7,992.01	78.09	43.43	95.81	-8,719.72	1,148.67	7,069.33	6,960.42	108.91	64.909		
12,700.00	7,730.00	8,361.07	7,990.25	78.74	43.43	95.77	-8,719.77	1,148.65	6,975.14	6,865.77	109.37	63.777		
12,800.00	7,730.00	8,359.28	7,988.46	79.45	43.43	95.73	-8,719.83	1,148.63	6,881.12	6,771.28	109.84	62.648		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 0-8-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,900.00	7,730.00	8,357.45	7,986.64	80.22	43.42	95.68	-8,719.89	1,148.60	6,787.26	6,676.94	110.33	61.521		
13,000.00	7,730.00	8,355.60	7,984.78	81.05	43.42	95.64	-8,719.95	1,148.58	6,693.59	6,582.76	110.83	60.395		
13,100.00	7,730.00	8,353.71	7,982.90	81.94	43.42	95.59	-8,720.01	1,148.56	6,600.10	6,488.75	111.35	59.273		
13,200.00	7,730.00	8,351.79	7,980.98	82.87	43.41	95.55	-8,720.07	1,148.54	6,506.80	6,394.91	111.89	58.152		
13,300.00	7,730.00	8,349.84	7,979.03	83.86	43.41	95.50	-8,720.14	1,148.51	6,413.70	6,301.25	112.45	57.035		
13,400.00	7,730.00	8,347.85	7,977.04	84.90	43.40	95.45	-8,720.20	1,148.49	6,320.81	6,207.78	113.03	55.920		
13,500.00	7,730.00	8,345.82	7,975.02	85.97	43.40	95.40	-8,720.27	1,148.47	6,228.14	6,114.51	113.63	54.809		
13,600.00	7,730.00	8,343.76	7,972.96	87.09	43.40	95.35	-8,720.34	1,148.44	6,135.70	6,021.44	114.26	53.701		
13,700.00	7,730.00	8,341.66	7,970.86	88.25	43.39	95.30	-8,720.42	1,148.42	6,043.50	5,928.60	114.90	52.596		
13,800.00	7,730.00	8,339.53	7,968.72	89.44	43.39	95.25	-8,720.49	1,148.40	5,951.55	5,835.98	115.57	51.495		
13,900.00	7,730.00	8,337.35	7,966.55	90.66	43.39	95.20	-8,720.57	1,148.38	5,859.87	5,743.59	116.27	50.399		
14,000.00	7,730.00	8,335.13	7,964.33	91.92	43.38	95.14	-8,720.64	1,148.35	5,768.45	5,651.46	116.99	49.306		
14,100.00	7,730.00	8,332.87	7,962.07	93.20	43.38	95.09	-8,720.73	1,148.33	5,677.33	5,559.59	117.74	48.219		
14,200.00	7,730.00	8,330.57	7,959.77	94.50	43.37	95.03	-8,720.81	1,148.31	5,586.51	5,467.99	118.52	47.136		
14,300.00	7,730.00	8,328.22	7,957.42	95.83	43.37	94.98	-8,720.89	1,148.28	5,496.00	5,376.67	119.33	46.059		
14,400.00	7,730.00	8,325.82	7,955.03	97.17	43.36	94.92	-8,720.98	1,148.26	5,405.83	5,285.66	120.17	44.987		
14,500.00	7,730.00	8,323.38	7,952.59	98.54	43.36	94.86	-8,721.07	1,148.24	5,316.01	5,194.97	121.04	43.921		
14,600.00	7,730.00	8,320.89	7,950.10	99.92	43.36	94.80	-8,721.17	1,148.22	5,226.55	5,104.61	121.94	42.861		
14,700.00	7,730.00	8,318.35	7,947.56	101.32	43.35	94.74	-8,721.26	1,148.19	5,137.49	5,014.60	122.88	41.808		
14,800.00	7,730.00	8,315.76	7,944.97	102.74	43.35	94.67	-8,721.36	1,148.17	5,048.83	4,924.96	123.86	40.762		
14,900.00	7,730.00	8,313.11	7,942.33	104.17	43.34	94.61	-8,721.46	1,148.15	4,960.60	4,835.72	124.88	39.723		
15,000.00	7,730.00	8,310.41	7,939.63	105.62	43.34	94.54	-8,721.57	1,148.12	4,872.82	4,746.88	125.94	38.692		
15,100.00	7,730.00	8,307.65	7,936.87	107.07	43.33	94.48	-8,721.68	1,148.10	4,785.52	4,658.48	127.04	37.670		
15,200.00	7,730.00	8,304.84	7,934.06	108.54	43.33	94.41	-8,721.79	1,148.08	4,698.72	4,570.54	128.18	36.656		
15,300.00	7,730.00	8,301.96	7,931.19	110.02	43.32	94.34	-8,721.91	1,148.06	4,612.46	4,483.08	129.37	35.652		
15,400.00	7,730.00	8,299.02	7,928.25	111.51	43.32	94.27	-8,722.03	1,148.04	4,526.76	4,396.14	130.61	34.657		
15,500.00	7,730.00	8,296.02	7,925.25	113.01	43.31	94.20	-8,722.15	1,148.02	4,441.65	4,309.74	131.90	33.673		
15,600.00	7,730.00	8,292.95	7,922.18	114.52	43.30	94.12	-8,722.28	1,147.99	4,357.17	4,223.92	133.25	32.700		
15,700.00	7,730.00	8,289.81	7,919.05	116.04	43.30	94.05	-8,722.41	1,147.97	4,273.36	4,138.72	134.65	31.738		
15,800.00	7,730.00	8,286.60	7,915.84	117.56	43.29	93.97	-8,722.55	1,147.95	4,190.26	4,054.16	136.10	30.788		
15,900.00	7,730.00	8,283.32	7,912.56	119.09	43.29	93.89	-8,722.69	1,147.93	4,107.91	3,970.30	137.61	29.851		
16,000.00	7,730.00	8,279.96	7,909.21	120.63	43.28	93.81	-8,722.83	1,147.91	4,026.35	3,887.16	139.19	28.928		
16,100.00	7,730.00	8,288.85	7,918.08	122.18	43.30	94.02	-8,722.35	1,147.93	3,945.60	3,804.72	140.89	28.006		
16,200.00	7,730.00	8,282.32	7,911.56	123.73	43.28	93.86	-8,722.67	1,147.90	3,865.80	3,723.23	142.57	27.114		
16,300.00	7,730.00	8,275.94	7,905.18	125.29	43.27	93.71	-8,722.98	1,147.88	3,786.95	3,642.62	144.33	26.238		
16,400.00	7,730.00	8,269.68	7,898.94	126.86	43.26	93.56	-8,723.28	1,147.86	3,709.12	3,562.96	146.16	25.378		
16,500.00	7,730.00	8,263.56	7,892.82	128.43	43.25	93.41	-8,723.57	1,147.83	3,632.36	3,484.30	148.05	24.534		
16,600.00	7,730.00	8,257.55	7,886.82	130.01	43.24	93.26	-8,723.85	1,147.81	3,556.74	3,406.72	150.02	23.708		
16,700.00	7,730.00	8,251.67	7,880.95	131.59	43.23	93.12	-8,724.13	1,147.79	3,482.35	3,330.28	152.07	22.900		
16,800.00	7,730.00	8,245.91	7,875.19	133.18	43.22	92.98	-8,724.39	1,147.76	3,409.26	3,255.08	154.18	22.112		
16,900.00	7,730.00	8,240.26	7,869.55	134.77	43.21	92.84	-8,724.65	1,147.74	3,337.56	3,181.18	156.38	21.343		
17,000.00	7,730.00	8,234.72	7,864.01	136.37	43.20	92.71	-8,724.90	1,147.72	3,267.34	3,108.70	158.64	20.596		
17,100.00	7,730.00	8,229.29	7,858.59	137.97	43.19	92.57	-8,725.14	1,147.70	3,198.69	3,037.72	160.98	19.871		
17,200.00	7,730.00	8,223.96	7,853.27	139.57	43.18	92.44	-8,725.38	1,147.68	3,131.73	2,968.35	163.38	19.168		
17,300.00	7,730.00	8,218.74	7,848.04	141.18	43.17	92.32	-8,725.61	1,147.66	3,066.56	2,900.71	165.85	18.490		
17,400.00	7,730.00	8,213.61	7,842.92	142.79	43.16	92.19	-8,725.83	1,147.64	3,003.30	2,834.92	168.38	17.837		
17,500.00	7,730.00	8,208.57	7,837.89	144.41	43.15	92.07	-8,726.05	1,147.62	2,942.06	2,771.10	170.96	17.209		
17,600.00	7,730.00	8,203.63	7,832.96	146.03	43.14	91.95	-8,726.26	1,147.60	2,882.99	2,709.41	173.59	16.608		
17,700.00	7,730.00	8,198.79	7,828.11	147.65	43.14	91.83	-8,726.47	1,147.58	2,826.22	2,649.97	176.25	16.035		
17,800.00	7,730.00	8,194.02	7,823.36	149.28	43.13	91.72	-8,726.67	1,147.56	2,771.89	2,592.95	178.93	15.491		
17,900.00	7,730.00	8,189.35	7,818.68	150.91	43.12	91.60	-8,726.86	1,147.54	2,720.14	2,538.51	181.63	14.976		
18,000.00	7,730.00	8,184.76	7,814.09	152.54	43.11	91.49	-8,727.05	1,147.53	2,671.13	2,486.81	184.32	14.492		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 26-T1N-R68W - EXIST HZ CRANDELL 0-8-26 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 74-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,100.00	7,730.00	8,180.24	7,809.59	154.18	43.10	91.38	-8,727.23	1,147.51	2,625.00	2,438.03	186.98	14.039	
18,200.00	7,730.00	8,175.81	7,805.16	155.82	43.09	91.27	-8,727.41	1,147.49	2,581.92	2,392.33	189.59	13.618	
18,300.00	7,730.00	8,171.46	7,800.81	157.46	43.09	91.17	-8,727.59	1,147.47	2,542.04	2,349.91	192.13	13.231	
18,400.00	7,730.00	8,167.17	7,796.53	159.11	43.08	91.06	-8,727.76	1,147.46	2,505.51	2,310.93	194.58	12.876	
18,500.00	7,730.00	8,162.97	7,792.32	160.75	43.07	90.96	-8,727.92	1,147.44	2,472.48	2,275.57	196.91	12.556	
18,600.00	7,730.00	8,158.83	7,788.19	162.40	43.06	90.86	-8,728.09	1,147.42	2,443.09	2,244.00	199.09	12.271	
18,700.00	7,730.00	8,154.76	7,784.13	164.05	43.06	90.76	-8,728.24	1,147.41	2,417.48	2,216.38	201.11	12.021	
18,800.00	7,730.00	8,150.76	7,780.13	165.71	43.05	90.66	-8,728.40	1,147.39	2,395.77	2,192.85	202.92	11.807	
18,900.00	7,730.00	8,146.83	7,776.20	167.36	43.04	90.57	-8,728.55	1,147.38	2,378.06	2,173.55	204.51	11.628	
18,942.39	7,730.00	8,145.18	7,774.55	168.07	43.04	90.53	-8,728.61	1,147.37	2,371.78	2,166.67	205.11	11.564	CC, ES, SF

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 14-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	43.17	43.17	0.00	0.06	163.47	-7,154.46	2,123.64	7,463.01					
100.00	100.00	114.68	114.68	0.13	0.25	163.47	-7,154.23	2,123.75	7,462.80	7,462.41	0.39	N/A		
200.00	200.00	166.00	166.00	0.49	0.43	163.47	-7,154.58	2,123.42	7,463.26	7,462.33	0.92	8,093.841		
300.00	300.00	211.67	211.66	0.85	0.59	163.48	-7,155.29	2,122.88	7,464.40	7,462.96	1.44	5,177.583		
400.00	400.00	257.00	256.97	1.21	0.75	163.48	-7,156.35	2,122.22	7,466.24	7,464.28	1.96	3,810.470		
500.00	500.00	299.35	299.29	1.57	0.90	163.49	-7,157.75	2,121.34	7,468.83	7,466.36	2.47	3,023.429		
600.00	600.00	349.00	348.86	1.93	1.08	163.51	-7,160.02	2,119.78	7,472.25	7,469.24	3.01	2,485.193		
700.00	700.00	379.24	379.02	2.29	1.19	163.52	-7,161.73	2,118.56	7,476.43	7,472.95	3.48	2,151.049		
800.00	800.00	440.00	439.57	2.64	1.42	163.55	-7,165.90	2,115.59	7,481.50	7,477.45	4.06	1,844.115		
900.00	899.98	440.00	439.57	3.00	1.42	103.84	-7,165.90	2,115.59	7,487.71	7,483.30	4.41	1,697.752		
1,000.00	999.84	486.73	486.06	3.35	1.60	103.73	-7,169.80	2,113.05	7,495.63	7,490.69	4.94	1,517.972		
1,100.00	1,099.45	533.00	532.05	3.71	1.78	103.60	-7,174.29	2,110.57	7,505.37	7,499.90	5.47	1,372.205		
1,200.00	1,198.70	533.00	532.05	4.08	1.78	103.38	-7,174.29	2,110.57	7,516.81	7,510.97	5.83	1,288.233		
1,300.00	1,297.47	589.49	588.09	4.47	2.01	103.22	-7,180.60	2,107.20	7,529.80	7,523.36	6.43	1,170.499		
1,400.00	1,395.62	625.00	623.23	4.87	2.16	103.01	-7,185.03	2,104.70	7,544.48	7,537.51	6.97	1,082.723		
1,500.00	1,493.06	668.13	665.82	5.31	2.34	102.80	-7,190.85	2,101.25	7,560.74	7,553.18	7.56	999.645		
1,600.00	1,589.64	717.00	713.96	5.77	2.55	102.59	-7,197.97	2,096.76	7,578.56	7,570.35	8.21	922.934		
1,700.00	1,685.27	717.00	713.96	6.28	2.55	102.20	-7,197.97	2,096.76	7,598.04	7,589.35	8.69	874.114		
1,800.00	1,779.82	771.70	767.66	6.83	2.81	101.97	-7,206.71	2,091.07	7,618.93	7,609.49	9.45	806.530		
1,900.00	1,873.17	809.00	804.14	7.43	2.98	101.66	-7,213.20	2,086.83	7,641.58	7,631.41	10.17	751.521		
2,000.00	1,965.21	809.00	804.14	8.08	2.98	101.17	-7,213.20	2,086.83	7,665.89	7,655.11	10.77	711.571		
2,100.00	2,055.84	856.27	850.23	8.79	3.21	100.84	-7,222.02	2,081.07	7,691.64	7,680.00	11.64	660.670		
2,200.00	2,144.94	898.00	890.75	9.56	3.42	100.48	-7,230.35	2,075.65	7,719.09	7,706.55	12.54	615.708		
2,300.00	2,232.39	898.00	890.75	10.39	3.42	99.89	-7,230.35	2,075.65	7,748.00	7,734.71	13.29	582.888		
2,400.00	2,318.11	898.00	890.75	11.30	3.42	99.25	-7,230.35	2,075.65	7,778.67	7,764.56	14.10	551.644		
2,504.60	2,405.78	940.39	931.78	12.31	3.64	98.77	-7,239.42	2,070.03	7,812.08	7,796.87	15.21	513.655		
2,600.00	2,484.79	986.00	975.76	13.28	3.88	99.02	-7,249.95	2,064.08	7,844.14	7,827.86	16.29	481.665		
2,700.00	2,567.60	986.00	975.76	14.32	3.88	99.02	-7,249.95	2,064.08	7,878.28	7,861.09	17.19	458.229		
2,800.00	2,650.41	986.00	975.76	15.37	3.88	99.02	-7,249.95	2,064.08	7,913.55	7,895.44	18.11	437.081		
2,900.00	2,733.23	1,011.62	1,000.40	16.44	4.02	99.16	-7,256.16	2,060.83	7,949.78	7,930.64	19.15	415.218		
3,000.00	2,816.04	1,036.00	1,023.83	17.52	4.16	99.29	-7,262.20	2,057.86	7,986.93	7,966.74	20.18	395.724		
3,100.00	2,898.85	1,036.00	1,023.83	18.60	4.16	99.29	-7,262.20	2,057.86	8,025.03	8,003.94	21.10	380.414		
3,200.00	2,981.67	1,077.10	1,063.31	19.69	4.39	99.51	-7,272.67	2,053.28	8,063.88	8,041.67	22.21	363.133		
3,300.00	3,064.48	1,099.03	1,084.36	20.79	4.51	99.63	-7,278.40	2,051.08	8,103.66	8,080.44	23.22	348.986		
3,400.00	3,147.30	1,143.00	1,126.55	21.90	4.76	99.85	-7,290.18	2,047.19	8,144.39	8,120.04	24.34	334.557		
3,500.00	3,230.11	1,143.00	1,126.55	23.00	4.76	99.85	-7,290.18	2,047.19	8,185.77	8,160.53	25.24	324.360		
3,600.00	3,312.92	1,195.15	1,176.54	24.12	5.05	100.12	-7,304.42	2,043.04	8,227.94	8,201.55	26.38	311.846		
3,700.00	3,395.74	1,263.17	1,241.74	25.23	5.44	100.47	-7,323.10	2,037.79	8,270.66	8,243.05	27.61	299.561		
3,800.00	3,478.55	3,800.00	1,354.61	26.35	20.06	101.06	-7,354.90	2,028.59	8,313.48	8,273.67	39.80	208.855		
3,900.00	3,561.36	1,517.25	1,485.78	27.47	6.90	101.74	-7,390.74	2,017.26	8,356.04	8,325.38	30.66	272.583		
4,000.00	3,644.18	1,557.52	1,524.47	28.59	7.13	101.94	-7,401.32	2,013.67	8,399.14	8,367.41	31.73	264.719		
4,100.00	3,726.99	1,602.10	1,567.24	29.72	7.39	102.17	-7,413.19	2,009.51	8,442.87	8,410.05	32.82	257.257		
4,200.00	3,809.81	1,652.28	1,615.32	30.85	7.69	102.42	-7,426.67	2,004.59	8,487.17	8,453.24	33.93	250.114		
4,300.00	3,892.62	1,724.89	1,684.83	31.98	8.12	102.78	-7,446.26	1,997.10	8,531.96	8,496.80	35.16	242.645		
4,400.00	3,975.43	1,793.29	1,750.31	33.11	8.53	103.12	-7,464.66	1,989.83	8,577.09	8,540.73	36.36	235.868		
4,500.00	4,058.25	1,858.97	1,813.17	34.24	8.93	103.45	-7,482.36	1,982.74	8,622.66	8,585.12	37.54	229.662		
4,600.00	4,141.06	1,943.10	1,893.72	35.37	9.43	103.87	-7,504.93	1,973.82	8,668.56	8,629.74	38.82	223.303		
4,700.00	4,223.87	1,985.76	1,934.58	36.50	9.69	104.08	-7,516.41	1,969.51	8,714.90	8,675.04	39.86	218.632		
4,800.00	4,306.69	2,191.00	2,131.85	37.64	10.90	105.06	-7,569.72	1,950.43	8,760.69	8,718.92	41.77	209.746		
4,900.00	4,389.50	2,235.15	2,174.27	38.77	11.16	105.27	-7,580.95	1,945.67	8,806.82	8,764.01	42.81	205.719		
5,000.00	4,472.32	2,388.14	2,320.94	39.91	12.08	106.02	-7,619.85	1,926.15	8,853.43	8,808.99	44.44	199.217		
5,100.00	4,555.13	2,416.73	2,348.40	41.05	12.25	106.15	-7,627.00	1,922.59	8,899.98	8,854.60	45.38	196.100		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 14-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	2,453.00	2,383.19	42.18	12.46	106.33	-7,636.23	1,918.17	8,947.20	8,900.84	46.36	192.984		
5,300.00	4,720.76	5,300.00	2,548.46	43.32	29.01	107.13	-7,679.05	1,899.42	8,994.41	8,934.66	59.75	150.527		
5,400.00	4,803.57	2,666.43	2,588.59	44.46	13.72	107.33	-7,689.13	1,894.50	9,041.60	8,992.53	49.06	184.282		
5,500.00	4,886.39	2,714.00	2,634.25	45.60	14.00	107.55	-7,701.15	1,888.66	9,089.71	9,039.63	50.08	181.494		
5,600.00	4,969.20	2,714.00	2,634.25	46.74	14.00	107.55	-7,701.15	1,888.66	9,138.25	9,087.42	50.83	179.780		
5,700.00	5,052.01	2,787.15	2,704.39	47.88	14.44	107.89	-7,719.94	1,879.83	9,187.47	9,135.49	51.98	176.759		
5,800.00	5,134.83	2,991.19	2,900.72	49.02	15.64	108.82	-7,770.36	1,856.61	9,236.18	9,182.34	53.84	171.549		
5,900.00	5,217.64	3,004.90	2,913.93	50.16	15.72	108.88	-7,773.76	1,855.14	9,285.19	9,230.54	54.64	169.923		
6,000.00	5,300.45	3,030.76	2,938.83	51.30	15.87	108.99	-7,780.20	1,852.44	9,334.81	9,279.30	55.51	168.177		
6,100.00	5,383.27	3,064.00	2,970.81	52.45	16.06	109.14	-7,788.66	1,849.20	9,385.06	9,328.66	56.40	166.397		
6,200.00	5,466.08	3,111.33	3,016.33	53.59	16.34	109.35	-7,800.85	1,844.78	9,435.82	9,378.45	57.37	164.479		
6,300.00	5,548.90	3,172.23	3,074.90	54.73	16.70	109.61	-7,816.55	1,839.08	9,486.92	9,428.52	58.40	162.435		
6,400.00	5,631.71	3,225.02	3,125.61	55.87	17.02	109.84	-7,830.19	1,833.75	9,538.41	9,479.02	59.39	160.608		
6,500.00	5,714.52	3,278.84	3,177.27	57.02	17.34	110.07	-7,844.16	1,827.96	9,590.29	9,529.91	60.37	158.847		
6,600.00	5,797.34	3,333.16	3,229.38	58.16	17.66	110.31	-7,858.32	1,822.14	9,642.55	9,581.19	61.36	157.156		
6,700.00	5,880.15	3,387.76	3,281.76	59.30	17.99	110.54	-7,872.64	1,816.43	9,695.18	9,632.85	62.33	155.537		
6,800.00	5,962.96	3,629.45	3,514.20	60.45	19.42	111.56	-7,934.43	1,792.76	9,747.76	9,683.39	64.37	151.429		
6,900.00	6,045.78	3,675.00	3,558.11	61.59	19.68	111.75	-7,945.81	1,788.55	9,799.95	9,734.66	65.29	150.105		
7,000.00	6,128.59	3,695.75	3,578.10	62.73	19.80	111.83	-7,951.07	1,786.68	9,852.60	9,786.54	66.06	149.157		
7,100.00	6,211.41	3,746.52	3,626.98	63.88	20.10	112.04	-7,964.01	1,782.18	9,905.69	9,838.70	66.99	147.873		
7,200.00	6,294.22	7,200.00	3,720.45	65.02	40.11	112.42	-7,988.66	1,774.23	9,958.90	9,876.89	82.01	121.437		
9,050.00	7,705.47	7,761.37	7,593.47	79.59	34.85	52.12	-8,338.26	1,642.67	9,999.57	9,902.61	96.96	103.130		
9,100.00	7,717.09	9,100.00	7,698.11	79.43	38.41	57.36	-8,339.23	1,644.57	9,953.29	9,851.95	101.34	98.219		
9,150.00	7,725.04	9,150.00	7,706.51	79.26	38.55	64.56	-8,339.30	1,644.72	9,905.91	9,804.31	101.60	97.499		
9,200.00	7,729.27	9,200.00	7,711.16	79.06	38.68	76.89	-8,339.33	1,644.80	9,857.53	9,755.68	101.85	96.789		
9,231.13	7,730.00	7,985.67	7,817.73	78.93	35.44	92.00	-8,339.78	1,646.54	9,827.28	9,729.18	98.10	100.181		
9,300.00	7,730.00	7,985.17	7,817.23	78.65	35.44	91.99	-8,339.78	1,646.53	9,759.65	9,661.46	98.19	99.395		
9,400.00	7,730.00	7,984.45	7,816.51	78.26	35.44	91.97	-8,339.78	1,646.52	9,661.49	9,563.16	98.33	98.253		
9,500.00	7,730.00	7,983.75	7,815.80	77.89	35.43	91.94	-8,339.79	1,646.51	9,563.36	9,464.88	98.48	97.110		
9,600.00	7,730.00	7,983.05	7,815.11	77.53	35.43	91.92	-8,339.79	1,646.50	9,465.27	9,366.64	98.63	95.967		
9,700.00	7,730.00	7,982.37	7,814.42	77.19	35.43	91.90	-8,339.79	1,646.50	9,367.23	9,268.44	98.79	94.823		
9,800.00	7,730.00	7,981.69	7,813.75	76.88	35.43	91.88	-8,339.80	1,646.49	9,269.22	9,170.28	98.95	93.679		
9,900.00	7,730.00	7,981.03	7,813.09	76.58	35.43	91.86	-8,339.80	1,646.48	9,171.26	9,072.15	99.11	92.535		
10,000.00	7,730.00	7,980.38	7,812.44	76.30	35.43	91.84	-8,339.80	1,646.47	9,073.34	8,974.06	99.28	91.390		
10,100.00	7,730.00	7,979.74	7,811.80	76.04	35.42	91.82	-8,339.80	1,646.46	8,975.47	8,876.01	99.46	90.244		
10,200.00	7,730.00	10,200.00	7,719.51	75.79	41.37	88.96	-8,339.40	1,644.95	8,877.44	8,770.85	106.58	83.290		
10,300.00	7,730.00	10,300.00	7,720.27	75.57	41.64	88.99	-8,339.40	1,644.96	8,779.66	8,672.58	107.09	81.987		
10,400.00	7,730.00	10,400.00	7,721.03	75.36	41.91	89.01	-8,339.41	1,644.98	8,681.94	8,574.35	107.59	80.692		
10,500.00	7,730.00	10,500.00	7,721.80	75.18	42.17	89.03	-8,339.41	1,644.99	8,584.27	8,476.16	108.11	79.406		
10,600.00	7,730.00	10,600.00	7,722.56	75.01	42.44	89.06	-8,339.42	1,645.00	8,486.65	8,378.03	108.62	78.128		
10,700.00	7,730.00	10,700.00	7,723.32	74.86	42.72	89.08	-8,339.42	1,645.02	8,389.09	8,279.94	109.15	76.858		
10,800.00	7,730.00	10,800.00	7,724.08	74.74	42.99	89.11	-8,339.43	1,645.03	8,291.59	8,181.91	109.68	75.596		
10,900.00	7,730.00	10,900.00	7,724.84	74.64	43.26	89.13	-8,339.44	1,645.04	8,194.15	8,083.93	110.22	74.342		
11,000.00	7,730.00	11,000.00	7,725.60	74.56	43.53	89.15	-8,339.44	1,645.06	8,096.77	7,986.00	110.77	73.097		
11,100.00	7,730.00	11,100.00	7,726.36	74.51	43.80	89.18	-8,339.45	1,645.07	7,999.45	7,888.13	111.32	71.859		
11,200.00	7,730.00	11,200.00	7,727.13	74.48	44.07	89.20	-8,339.45	1,645.08	7,902.20	7,790.32	111.88	70.629		
11,300.00	7,730.00	11,300.00	7,727.89	74.48	44.34	89.22	-8,339.46	1,645.10	7,805.03	7,692.57	112.45	69.408		
11,400.00	7,730.00	11,400.00	7,728.65	74.50	44.61	89.25	-8,339.47	1,645.11	7,707.92	7,594.89	113.03	68.194		
11,500.00	7,730.00	11,500.00	7,729.41	74.56	44.88	89.27	-8,339.47	1,645.12	7,610.89	7,497.27	113.62	66.988		
11,600.00	7,730.00	11,600.00	7,730.17	74.66	45.15	89.29	-8,339.48	1,645.14	7,513.93	7,399.72	114.21	65.790		
11,700.00	7,730.00	11,700.00	7,730.93	74.79	45.42	89.32	-8,339.48	1,645.15	7,417.06	7,302.25	114.81	64.600		
11,800.00	7,730.00	11,800.00	7,731.69	74.96	45.70	89.34	-8,339.49	1,645.16	7,320.27	7,204.84	115.43	63.418		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 14-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,900.00	7,730.00	11,900.00	7,732.46	75.17	45.97	89.36	-8,339.49	1,645.18	7,223.57	7,107.52	116.05	62.244		
12,000.00	7,730.00	12,000.00	7,733.22	75.43	46.24	89.39	-8,339.50	1,645.19	7,126.96	7,010.27	116.69	61.077		
12,100.00	7,730.00	12,100.00	7,733.98	75.73	46.51	89.41	-8,339.51	1,645.20	7,030.44	6,913.11	117.33	59.918		
12,200.00	7,730.00	12,200.00	7,734.74	76.09	46.78	89.44	-8,339.51	1,645.22	6,934.03	6,816.03	117.99	58.767		
12,300.00	7,730.00	12,300.00	7,735.50	76.51	47.05	89.47	-8,339.52	1,645.24	6,847.52	6,732.66	118.70	57.616		
12,400.00	7,730.00	12,400.00	7,736.26	76.97	47.32	89.50	-8,339.53	1,645.26	6,761.01	6,646.19	119.46	56.475		
12,500.00	7,730.00	12,500.00	7,737.02	77.50	47.59	89.53	-8,339.54	1,645.28	6,674.50	6,559.62	120.27	55.344		
12,600.00	7,730.00	12,600.00	7,737.78	78.09	47.86	89.56	-8,339.55	1,645.30	6,588.00	6,473.13	121.04	54.223		
12,700.00	7,730.00	12,700.00	7,738.54	78.74	48.13	89.59	-8,339.56	1,645.32	6,501.50	6,386.66	121.77	53.112		
12,800.00	7,730.00	12,800.00	7,739.30	79.45	48.40	89.62	-8,339.57	1,645.34	6,415.00	6,300.22	122.46	52.011		
12,900.00	7,730.00	12,900.00	7,740.06	80.22	48.67	89.65	-8,339.58	1,645.36	6,328.50	6,213.78	123.11	50.920		
13,000.00	7,730.00	13,000.00	7,740.82	81.05	48.94	89.68	-8,339.59	1,645.38	6,242.00	6,127.34	123.72	49.839		
13,100.00	7,730.00	13,100.00	7,741.58	81.94	49.21	89.71	-8,339.60	1,645.40	6,155.50	6,040.90	124.29	48.768		
13,200.00	7,730.00	13,200.00	7,742.34	82.87	49.48	89.74	-8,339.61	1,645.42	6,069.00	5,954.46	124.82	47.707		
13,300.00	7,730.00	13,300.00	7,743.10	83.86	49.75	89.77	-8,339.62	1,645.44	5,982.50	5,868.02	125.31	46.656		
13,400.00	7,730.00	13,400.00	7,743.86	84.90	50.02	89.80	-8,339.63	1,645.46	5,896.00	5,781.58	125.76	45.615		
13,500.00	7,730.00	13,500.00	7,744.62	85.97	50.29	89.83	-8,339.64	1,645.48	5,809.50	5,695.14	126.18	44.584		
13,600.00	7,730.00	13,600.00	7,745.38	87.09	50.56	89.86	-8,339.65	1,645.50	5,723.00	5,608.70	126.57	43.563		
13,700.00	7,730.00	13,700.00	7,746.14	88.25	50.83	89.89	-8,339.66	1,645.52	5,636.50	5,522.26	126.93	42.552		
13,800.00	7,730.00	13,800.00	7,746.90	89.44	51.10	89.92	-8,339.67	1,645.54	5,550.00	5,435.82	127.26	41.551		
13,900.00	7,730.00	13,900.00	7,747.66	90.66	51.37	89.95	-8,339.68	1,645.56	5,463.50	5,349.38	127.56	40.560		
14,000.00	7,730.00	14,000.00	7,748.42	91.92	51.64	89.98	-8,339.69	1,645.58	5,377.00	5,262.94	127.83	39.579		
14,100.00	7,730.00	14,100.00	7,749.18	93.20	51.91	90.01	-8,339.70	1,645.60	5,285.50	5,176.50	128.07	38.608		
14,200.00	7,730.00	14,200.00	7,750.00	94.50	52.18	90.04	-8,339.71	1,645.62	5,194.00	5,090.06	128.28	37.647		
14,300.00	7,730.00	14,300.00	7,750.82	95.83	52.45	90.07	-8,339.72	1,645.64	5,102.50	5,003.62	128.46	36.696		
14,400.00	7,730.00	14,400.00	7,751.64	97.17	52.72	90.10	-8,339.73	1,645.66	5,011.00	4,917.18	128.61	35.755		
14,500.00	7,730.00	14,500.00	7,752.46	98.54	53.00	90.13	-8,339.74	1,645.68	4,919.50	4,830.74	128.73	34.824		
14,600.00	7,730.00	14,600.00	7,753.28	99.92	53.27	90.16	-8,339.75	1,645.70	4,828.00	4,744.30	128.83	33.903		
14,700.00	7,730.00	14,700.00	7,754.10	101.32	53.54	90.19	-8,339.76	1,645.72	4,736.50	4,657.86	128.90	32.992		
14,800.00	7,730.00	14,800.00	7,754.92	102.74	53.81	90.22	-8,339.77	1,645.74	4,645.00	4,571.42	128.95	32.091		
14,900.00	7,730.00	14,900.00	7,755.74	104.17	54.08	90.25	-8,339.78	1,645.76	4,553.50	4,484.98	128.98	31.200		
15,000.00	7,730.00	15,000.00	7,756.56	105.62	54.35	90.28	-8,339.79	1,645.78	4,462.00	4,398.54	128.98	30.319		
15,100.00	7,730.00	15,100.00	7,757.38	107.07	54.62	90.31	-8,339.80	1,645.80	4,370.50	4,312.10	128.95	29.448		
15,200.00	7,730.00	15,200.00	7,758.20	108.54	54.89	90.34	-8,339.81	1,645.82	4,278.00	4,225.66	128.89	28.587		
15,300.00	7,730.00	15,300.00	7,759.02	110.02	55.16	90.37	-8,339.82	1,645.84	4,185.50	4,139.22	128.79	27.736		
15,400.00	7,730.00	15,400.00	7,759.84	111.51	55.43	90.40	-8,339.83	1,645.86	4,093.00	4,052.78	128.65	26.895		
15,500.00	7,730.00	15,500.00	7,760.66	113.01	55.70	90.43	-8,339.84	1,645.88	4,000.50	3,966.34	128.47	26.064		
15,600.00	7,730.00	15,600.00	7,761.48	114.52	55.97	90.46	-8,339.85	1,645.90	3,908.00	3,879.90	128.25	25.243		
15,700.00	7,730.00	15,700.00	7,762.30	116.04	56.24	90.49	-8,339.86	1,645.92	3,815.50	3,793.46	127.99	24.432		
15,800.00	7,730.00	15,800.00	7,763.12	117.56	56.51	90.52	-8,339.87	1,645.94	3,723.00	3,707.02	127.69	23.631		
15,900.00	7,730.00	15,900.00	7,763.94	119.09	56.78	90.55	-8,339.88	1,645.96	3,630.50	3,620.58	127.35	22.840		
16,000.00	7,730.00	16,000.00	7,764.76	120.63	57.05	90.58	-8,339.89	1,645.98	3,538.00	3,534.14	126.97	22.059		
16,100.00	7,730.00	16,100.00	7,765.58	122.18	57.32	90.61	-8,339.90	1,646.00	3,445.50	3,447.70	126.55	21.288		
16,200.00	7,730.00	16,200.00	7,766.40	123.73	57.59	90.64	-8,339.91	1,646.02	3,353.00	3,361.26	126.08	20.527		
16,300.00	7,730.00	16,300.00	7,767.22	125.29	57.86	90.67	-8,339.92	1,646.04	3,260.50	3,268.82	125.57	19.776		
16,400.00	7,730.00	16,400.00	7,768.04	126.86	58.13	90.70	-8,339.93	1,646.06	3,168.00	3,176.38	125.00	19.035		
16,500.00	7,730.00	16,500.00	7,768.86	128.43	58.40	90.73	-8,339.94	1,646.08	3,075.50	3,084.94	124.38	18.304		
16,600.00	7,730.00	16,600.00	7,769.68	130.01	58.67	90.76	-8,339.95	1,646.10	2,983.00	2,993.50	123.71	17.583		
16,700.00	7,730.00	16,700.00	7,770.50	131.59	58.94	90.79	-8,339.96	1,646.12	2,890.50	2,903.06	122.99	16.872		
16,800.00	7,730.00	16,800.00	7,771.32	133.18	59.21	90.82	-8,339.97	1,646.14	2,798.00	2,811.62	122.21	16.171		
16,900.00	7,730.00	16,900.00	7,772.14	134.77	59.48	90.85	-8,339.98	1,646.16	2,705.50	2,720.18	121.38	15.480		
17,000.00	7,730.00	17,000.00	7,772.96	136.37	59.75	90.88	-8,339.99	1,646.18	2,613.00	2,628.74	120.50	14.799		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 26-T1N-R68W - EXIST HZ CRANDELL 14-26 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 74-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,100.00	7,730.00	7,950.77	7,782.83	137.97	35.35	90.92	-8,339.89	1,646.07	2,570.00	2,411.40	158.60	16.204	
17,200.00	7,730.00	7,950.50	7,782.56	139.57	35.35	90.91	-8,339.89	1,646.06	2,501.68	2,340.44	161.24	15.515	
17,300.00	7,730.00	7,950.23	7,782.29	141.18	35.35	90.91	-8,339.90	1,646.06	2,435.55	2,271.61	163.95	14.856	
17,400.00	7,730.00	7,949.97	7,782.03	142.79	35.35	90.90	-8,339.90	1,646.06	2,371.80	2,205.08	166.71	14.227	
17,500.00	7,730.00	7,949.72	7,781.78	144.41	35.35	90.89	-8,339.90	1,646.05	2,310.61	2,141.09	169.52	13.630	
17,600.00	7,730.00	7,949.47	7,781.53	146.03	35.35	90.88	-8,339.90	1,646.05	2,252.21	2,079.85	172.36	13.067	
17,700.00	7,730.00	7,949.23	7,781.29	147.65	35.35	90.88	-8,339.90	1,646.05	2,196.80	2,021.60	175.20	12.539	
17,800.00	7,730.00	7,949.00	7,781.06	149.28	35.35	90.87	-8,339.90	1,646.04	2,144.63	1,966.62	178.01	12.048	
17,900.00	7,730.00	7,948.77	7,780.83	150.91	35.35	90.86	-8,339.90	1,646.04	2,095.93	1,915.17	180.77	11.595	
18,000.00	7,730.00	7,948.54	7,780.60	152.54	35.35	90.85	-8,339.90	1,646.04	2,050.96	1,867.53	183.43	11.181	
18,100.00	7,730.00	7,948.33	7,780.39	154.18	35.34	90.85	-8,339.90	1,646.03	2,009.96	1,824.00	185.96	10.808	
18,200.00	7,730.00	7,948.11	7,780.17	155.82	35.34	90.84	-8,339.90	1,646.03	1,973.18	1,784.87	188.32	10.478	
18,300.00	7,730.00	7,947.90	7,779.96	157.46	35.34	90.83	-8,339.90	1,646.03	1,940.87	1,750.42	190.44	10.191	
18,400.00	7,730.00	7,947.70	7,779.76	159.11	35.34	90.83	-8,339.90	1,646.02	1,913.23	1,720.94	192.30	9.949	
18,500.00	7,730.00	7,947.50	7,779.56	160.75	35.34	90.82	-8,339.90	1,646.02	1,890.49	1,696.66	193.84	9.753	
18,600.00	7,730.00	7,947.31	7,779.37	162.40	35.34	90.82	-8,339.90	1,646.02	1,872.82	1,677.80	195.02	9.603	
18,700.00	7,730.00	7,947.12	7,779.18	164.05	35.34	90.81	-8,339.90	1,646.02	1,860.37	1,664.56	195.81	9.501	
18,800.00	7,730.00	7,946.93	7,778.99	165.71	35.34	90.80	-8,339.90	1,646.01	1,853.23	1,657.04	196.19	9.446	
18,882.48	7,730.00	7,946.78	7,778.84	167.07	35.34	90.80	-8,339.90	1,646.01	1,851.40	1,655.22	196.18	9.437	CC, ES, SF
18,900.00	7,730.00	7,946.75	7,778.81	167.36	35.34	90.80	-8,339.90	1,646.01	1,851.48	1,655.34	196.14	9.440	
18,942.39	7,730.00	7,946.67	7,778.73	168.07	35.34	90.80	-8,339.90	1,646.01	1,852.37	1,656.38	195.98	9.452	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 23-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 134-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	21.16	21.16	0.00	0.03	163.31	-7,111.18	2,131.72	7,423.82					
100.00	100.00	113.17	113.17	0.13	0.18	163.31	-7,111.16	2,132.04	7,423.90	7,423.58	0.32	N/A		
200.00	200.00	185.01	184.99	0.49	0.40	163.30	-7,110.99	2,133.29	7,424.19	7,423.30	0.89	8,301.334		
300.00	300.00	226.00	225.93	0.85	0.56	163.29	-7,110.68	2,135.27	7,425.00	7,423.59	1.40	5,297.927		
400.00	400.00	264.46	264.30	1.21	0.70	163.27	-7,110.46	2,137.97	7,426.62	7,424.71	1.90	3,898.657		
500.00	500.00	318.00	317.60	1.57	0.91	163.23	-7,110.65	2,142.99	7,429.40	7,426.94	2.46	3,014.693		
600.00	600.00	318.00	317.60	1.93	0.91	163.23	-7,110.65	2,142.99	7,432.84	7,430.01	2.82	2,632.427		
700.00	700.00	390.48	389.62	2.29	1.18	163.17	-7,111.41	2,151.09	7,437.10	7,433.63	3.46	2,146.906		
800.00	800.00	943.20	930.32	2.64	3.81	162.32	-7,084.77	2,257.85	7,436.63	7,430.19	6.44	1,155.160		
893.18	893.16	983.61	969.20	2.97	4.04	102.67	-7,081.03	2,268.24	7,435.97	7,428.97	7.00	1,062.399		
900.00	899.98	986.72	972.19	3.00	4.05	102.66	-7,080.75	2,269.05	7,435.97	7,428.93	7.04	1,056.069		
1,000.00	999.84	1,036.18	1,019.68	3.35	4.34	102.56	-7,076.42	2,282.13	7,436.83	7,429.15	7.68	968.599		
1,100.00	1,099.45	1,113.98	1,094.50	3.71	4.78	102.40	-7,070.01	2,302.51	7,438.93	7,430.44	8.49	876.529		
1,200.00	1,198.70	1,212.58	1,189.61	4.08	5.35	102.23	-7,062.36	2,327.38	7,441.97	7,432.55	9.42	790.205		
1,300.00	1,297.47	1,269.06	1,243.91	4.47	5.68	102.10	-7,057.94	2,342.28	7,446.06	7,435.92	10.14	734.459		
1,400.00	1,395.62	1,395.02	1,364.37	4.87	6.44	101.90	-7,047.72	2,377.59	7,451.18	7,439.88	11.31	658.951		
1,500.00	1,493.06	1,469.00	1,435.35	5.31	6.89	101.75	-7,041.86	2,397.63	7,456.88	7,444.69	12.18	612.128		
1,600.00	1,589.64	1,518.83	1,483.17	5.77	7.19	101.60	-7,038.14	2,411.13	7,463.74	7,450.79	12.94	576.608		
1,700.00	1,685.27	1,590.52	1,551.94	6.28	7.62	101.45	-7,033.25	2,430.78	7,471.95	7,458.07	13.88	538.455		
1,800.00	1,779.82	1,722.95	1,678.77	6.83	8.43	101.31	-7,023.70	2,467.64	7,480.65	7,465.42	15.23	491.166		
1,900.00	1,873.17	1,845.32	1,795.89	7.43	9.19	101.19	-7,014.43	2,501.88	7,489.76	7,473.19	16.57	451.880		
2,000.00	1,965.21	1,964.32	1,910.11	8.08	9.91	101.11	-7,005.28	2,533.97	7,499.11	7,481.17	17.94	418.055		
2,100.00	2,055.84	2,088.91	2,029.79	8.79	10.66	101.05	-6,995.60	2,567.27	7,509.03	7,489.64	19.39	387.320		
2,200.00	2,144.94	2,168.00	2,105.79	9.56	11.13	100.95	-6,989.44	2,588.24	7,519.55	7,498.93	20.62	364.723		
2,300.00	2,232.39	2,217.57	2,153.42	10.39	11.43	100.80	-6,985.75	2,601.49	7,531.18	7,509.45	21.73	346.566		
2,400.00	2,318.11	2,328.04	2,259.21	11.30	12.12	100.76	-6,977.74	2,632.26	7,544.07	7,520.77	23.29	323.852		
2,504.60	2,405.78	2,430.00	2,356.71	12.31	12.75	100.69	-6,969.40	2,660.87	7,557.44	7,532.52	24.92	303.276		
2,600.00	2,484.79	2,482.51	2,407.08	13.28	13.07	100.81	-6,965.38	2,675.13	7,570.46	7,544.27	26.18	289.145		
2,700.00	2,567.60	2,517.00	2,440.09	14.32	13.29	100.88	-6,963.04	2,684.88	7,585.07	7,557.68	27.39	276.904		
2,800.00	2,650.41	2,559.11	2,480.36	15.37	13.55	100.97	-6,960.46	2,696.90	7,600.50	7,571.84	28.66	265.155		
2,900.00	2,733.23	2,605.18	2,524.49	16.44	13.83	101.07	-6,957.98	2,709.93	7,616.65	7,586.68	29.97	254.140		
3,000.00	2,816.04	2,706.43	2,621.17	17.52	14.47	101.29	-6,952.55	2,739.50	7,633.17	7,601.52	31.65	241.182		
3,100.00	2,898.85	2,846.74	2,755.49	18.60	15.35	101.59	-6,944.94	2,779.32	7,649.54	7,615.96	33.58	227.789		
3,200.00	2,981.67	2,914.00	2,819.85	19.69	15.77	101.74	-6,941.06	2,798.46	7,665.74	7,630.70	35.05	218.739		
3,300.00	3,064.48	3,300.00	2,984.97	20.79	18.20	102.11	-6,931.22	2,847.97	7,682.38	7,643.83	38.55	199.282		
3,400.00	3,147.30	3,191.25	3,084.88	21.90	17.52	102.32	-6,924.02	2,878.02	7,697.76	7,658.83	38.93	197.719		
3,500.00	3,230.11	3,309.61	3,198.06	23.00	18.26	102.57	-6,916.16	2,911.75	7,713.47	7,672.72	40.75	189.299		
3,600.00	3,312.92	3,600.00	3,325.17	24.12	19.87	102.89	-6,908.21	2,944.03	7,728.85	7,685.42	43.43	177.952		
3,700.00	3,395.74	3,598.50	3,478.93	25.23	19.81	103.30	-6,898.77	2,976.70	7,743.37	7,698.92	44.45	174.208		
3,800.00	3,478.55	3,685.20	3,564.23	26.35	20.21	103.55	-6,894.19	2,991.51	7,757.94	7,712.03	45.91	168.981		
3,900.00	3,561.36	3,772.92	3,650.90	27.47	20.58	103.82	-6,890.18	3,004.42	7,772.81	7,725.47	47.34	164.178		
4,000.00	3,644.18	3,897.89	3,774.84	28.59	21.07	104.22	-6,885.04	3,019.46	7,787.72	7,738.83	48.89	159.277		
4,100.00	3,726.99	3,981.44	3,857.93	29.72	21.37	104.50	-6,881.82	3,027.59	7,802.61	7,752.36	50.25	155.282		
4,200.00	3,809.81	4,073.64	3,949.77	30.85	21.68	104.82	-6,878.69	3,035.15	7,817.83	7,766.22	51.61	151.470		
4,300.00	3,892.62	4,148.69	4,024.60	31.98	21.93	105.09	-6,876.33	3,040.43	7,833.32	7,780.42	52.90	148.071		
4,400.00	3,975.43	4,244.31	4,120.00	33.11	22.23	105.43	-6,873.63	3,046.25	7,849.19	7,794.94	54.25	144.691		
4,500.00	4,058.25	4,338.14	4,213.66	34.24	22.51	105.77	-6,870.97	3,051.26	7,865.19	7,809.61	55.58	141.521		
4,600.00	4,141.06	4,452.37	4,327.70	35.37	22.86	106.19	-6,867.61	3,056.80	7,881.32	7,824.36	56.96	138.364		
4,700.00	4,223.87	4,557.26	4,432.43	36.50	23.17	106.57	-6,864.27	3,061.56	7,897.49	7,839.18	58.31	135.440		
4,800.00	4,306.69	4,653.10	4,528.14	37.64	23.46	106.92	-6,861.09	3,065.44	7,913.77	7,854.14	59.62	132.728		
4,900.00	4,389.50	4,737.79	4,612.73	38.77	23.71	107.23	-6,858.32	3,068.53	7,930.32	7,869.43	60.90	130.227		
5,000.00	4,472.32	4,865.30	4,740.10	39.91	24.08	107.70	-6,854.05	3,072.66	7,947.10	7,884.81	62.29	127.581		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 23-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 134-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	5,003.74	4,878.37	41.05	24.48	108.20	-6,848.36	3,076.73	7,963.41	7,899.70	63.71	124.997		
5,200.00	4,637.94	5,090.26	4,964.78	42.18	24.73	108.52	-6,844.67	3,078.77	7,979.86	7,914.90	64.97	122.832		
5,300.00	4,720.76	5,136.00	5,010.47	43.32	24.86	108.69	-6,842.75	3,079.65	7,996.72	7,930.62	66.10	120.981		
5,400.00	4,803.57	5,192.49	5,066.91	44.46	25.02	108.90	-6,840.64	3,080.62	8,014.23	7,946.97	67.25	119.166		
5,500.00	4,886.39	5,230.74	5,105.15	45.60	25.13	109.05	-6,839.49	3,081.25	8,032.58	7,964.23	68.35	117.526		
5,600.00	4,969.20	5,268.83	5,143.22	46.74	25.23	109.19	-6,838.57	3,081.85	8,051.73	7,982.30	69.43	115.965		
5,700.00	5,052.01	5,310.00	5,184.37	47.88	25.35	109.34	-6,837.83	3,082.48	8,071.68	8,001.16	70.52	114.460		
5,800.00	5,134.83	5,310.00	5,184.37	49.02	25.35	109.34	-6,837.83	3,082.48	8,092.58	8,021.11	71.47	113.230		
5,900.00	5,217.64	5,385.40	5,259.76	50.16	25.55	109.62	-6,837.10	3,083.62	8,113.92	8,041.28	72.64	111.696		
6,000.00	5,300.45	5,424.60	5,298.96	51.30	25.66	109.77	-6,837.04	3,084.24	8,136.20	8,062.50	73.70	110.401		
6,100.00	5,383.27	5,485.00	5,359.35	52.45	25.82	109.99	-6,837.36	3,085.23	8,159.30	8,084.49	74.81	109.067		
6,200.00	5,466.08	5,521.94	5,396.29	53.59	25.92	110.13	-6,837.72	3,085.81	8,183.00	8,107.16	75.84	107.901		
6,300.00	5,548.90	6,300.00	5,597.01	54.73	28.00	110.88	-6,838.90	3,087.90	8,207.10	8,128.18	78.92	103.994		
6,400.00	5,631.71	5,914.04	5,788.34	55.87	26.97	111.58	-6,837.07	3,089.12	8,229.95	8,151.08	78.87	104.352		
6,500.00	5,714.52	5,985.76	5,860.05	57.02	27.17	111.85	-6,835.92	3,089.49	8,252.47	8,172.47	80.00	103.157		
6,600.00	5,797.34	6,067.14	5,941.42	58.16	27.40	112.14	-6,834.70	3,089.88	8,275.38	8,194.23	81.16	101.968		
6,700.00	5,880.15	6,153.11	6,027.38	59.30	27.64	112.46	-6,833.39	3,090.22	8,298.58	8,216.26	82.32	100.806		
6,800.00	5,962.96	6,250.22	6,124.48	60.45	27.91	112.81	-6,831.85	3,090.50	8,322.01	8,238.50	83.52	99.645		
6,900.00	6,045.78	6,353.26	6,227.50	61.59	28.20	113.19	-6,830.00	3,090.64	8,345.56	8,260.84	84.72	98.503		
7,000.00	6,128.59	6,453.01	6,327.23	62.73	28.48	113.55	-6,828.00	3,090.70	8,369.23	8,283.31	85.92	97.411		
7,100.00	6,211.41	6,554.13	6,428.33	63.88	28.77	113.91	-6,825.76	3,090.81	8,393.03	8,305.92	87.11	96.350		
7,200.00	6,294.22	6,661.14	6,535.30	65.02	29.08	114.29	-6,823.12	3,091.14	8,416.91	8,328.59	88.32	95.299		
7,300.00	6,377.03	6,748.18	6,622.31	66.17	29.33	114.60	-6,820.78	3,091.58	8,440.91	8,351.44	89.47	94.347		
7,400.00	6,459.85	6,820.00	6,694.10	67.31	29.54	114.85	-6,818.93	3,091.96	8,465.27	8,374.71	90.56	93.478		
7,500.00	6,542.66	6,890.57	6,764.65	68.46	29.75	115.10	-6,817.20	3,092.31	8,490.03	8,398.39	91.64	92.644		
7,600.00	6,625.48	6,953.64	6,827.70	69.60	29.93	115.32	-6,815.79	3,092.59	8,515.25	8,422.55	92.69	91.865		
7,700.00	6,708.29	7,016.55	6,890.60	70.75	30.12	115.54	-6,814.54	3,092.83	8,540.94	8,447.20	93.74	91.115		
7,800.00	6,791.10	7,083.00	6,957.04	71.89	30.31	115.77	-6,813.37	3,093.05	8,567.11	8,472.32	94.79	90.381		
7,900.00	6,873.92	7,155.68	7,029.71	73.04	30.53	116.03	-6,812.20	3,093.36	8,593.67	8,497.82	95.86	89.651		
8,000.00	6,956.73	7,228.43	7,102.45	74.18	30.75	116.28	-6,811.12	3,093.79	8,620.61	8,523.69	96.92	88.947		
8,100.00	7,039.54	7,300.88	7,174.89	75.33	30.96	116.52	-6,810.13	3,094.26	8,647.92	8,549.94	97.98	88.265		
8,165.32	7,093.63	7,348.13	7,222.14	76.08	31.10	116.69	-6,809.54	3,094.53	8,665.95	8,567.29	98.66	87.833		
8,200.00	7,122.60	7,373.40	7,247.40	76.47	31.18	111.94	-6,809.24	3,094.67	8,674.58	8,575.55	99.03	87.595		
8,250.00	7,165.05	7,411.73	7,285.73	77.01	31.30	104.40	-6,808.80	3,094.87	8,683.49	8,583.92	99.57	87.210		
8,300.00	7,208.03	7,460.69	7,334.69	77.52	31.44	96.26	-6,808.24	3,095.15	8,688.14	8,587.99	100.15	86.751		
8,350.00	7,251.22	7,509.89	7,383.88	77.99	31.59	87.86	-6,807.64	3,095.46	8,688.48	8,587.76	100.73	86.257		
8,400.00	7,294.28	7,558.93	7,432.91	78.41	31.74	79.63	-6,807.01	3,095.82	8,684.51	8,583.21	101.29	85.736		
8,450.00	7,336.90	7,607.42	7,481.40	78.78	31.89	71.97	-6,806.36	3,096.22	8,676.25	8,574.40	101.84	85.193		
8,500.00	7,378.73	7,639.87	7,513.85	79.10	31.99	65.09	-6,805.95	3,096.48	8,663.82	8,561.50	102.32	84.676		
8,550.00	7,419.47	7,676.81	7,550.78	79.37	32.10	59.16	-6,805.48	3,096.78	8,647.30	8,544.52	102.78	84.130		
8,600.00	7,458.81	7,712.44	7,586.41	79.59	32.21	54.16	-6,805.05	3,097.07	8,626.82	8,523.59	103.22	83.574		
8,650.00	7,496.44	7,746.49	7,620.46	79.76	32.32	50.01	-6,804.66	3,097.34	8,602.51	8,498.88	103.63	83.011		
8,700.00	7,532.08	7,780.07	7,654.03	79.88	32.42	46.64	-6,804.28	3,097.62	8,574.56	8,470.55	104.01	82.438		
8,750.00	7,565.46	7,811.95	7,686.91	79.95	32.52	43.93	-6,803.92	3,097.91	8,543.16	8,438.80	104.36	81.863		
8,800.00	7,596.33	7,841.41	7,715.36	79.98	32.61	41.81	-6,803.60	3,098.19	8,508.54	8,403.87	104.67	81.287		
8,850.00	7,624.44	7,868.20	7,742.16	79.97	32.69	40.23	-6,803.31	3,098.47	8,470.96	8,366.01	104.95	80.715		
8,900.00	7,649.59	7,892.12	7,766.08	79.93	32.77	39.16	-6,803.05	3,098.72	8,430.69	8,325.50	105.19	80.147		
8,950.00	7,671.59	7,912.99	7,786.94	79.84	32.83	38.61	-6,802.83	3,098.96	8,388.02	8,282.63	105.40	79.586		
9,000.00	7,690.26	7,931.05	7,805.00	79.73	32.89	38.68	-6,802.65	3,099.17	8,343.28	8,237.71	105.57	79.032		
9,050.00	7,705.47	7,948.95	7,822.89	79.59	32.94	39.63	-6,802.46	3,099.38	8,296.79	8,191.07	105.72	78.478		
9,100.00	7,717.09	7,962.44	7,836.38	79.43	32.99	42.02	-6,802.31	3,099.54	8,248.89	8,143.06	105.84	77.940		
9,150.00	7,725.04	7,971.43	7,845.37	79.26	33.01	47.71	-6,802.21	3,099.65	8,199.95	8,094.04	105.92	77.417		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 23-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 134-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,975.87	7,849.82	79.06	33.03	65.57	-6,802.16	3,099.70	8,150.34	8,044.38	105.97	76.913		
9,231.13	7,730.00	7,976.33	7,850.28	78.93	33.03	103.58	-6,802.15	3,099.71	8,119.28	8,013.29	105.98	76.608		
9,300.00	7,730.00	7,975.39	7,849.33	78.65	33.03	103.45	-6,802.16	3,099.70	8,050.50	7,944.50	106.01	75.943		
9,400.00	7,730.00	7,974.03	7,847.97	78.26	33.02	103.27	-6,802.18	3,099.68	7,950.64	7,844.60	106.04	74.978		
9,500.00	7,730.00	7,972.67	7,846.62	77.89	33.02	103.09	-6,802.19	3,099.66	7,850.77	7,744.70	106.07	74.012		
9,600.00	7,730.00	7,971.32	7,845.27	77.53	33.01	102.90	-6,802.21	3,099.65	7,750.91	7,644.80	106.11	73.046		
9,700.00	7,730.00	7,969.98	7,843.93	77.19	33.01	102.72	-6,802.22	3,099.63	7,651.06	7,544.91	106.15	72.079		
9,800.00	7,730.00	7,968.65	7,842.59	76.88	33.01	102.54	-6,802.24	3,099.62	7,551.21	7,445.02	106.19	71.112		
9,900.00	7,730.00	7,967.32	7,841.26	76.58	33.00	102.36	-6,802.25	3,099.60	7,451.36	7,345.13	106.23	70.145		
10,000.00	7,730.00	7,965.99	7,839.94	76.30	33.00	102.18	-6,802.27	3,099.58	7,351.51	7,245.24	106.27	69.178		
10,100.00	7,730.00	7,964.68	7,838.62	76.04	32.99	102.00	-6,802.28	3,099.57	7,251.67	7,145.36	106.31	68.210		
10,200.00	7,730.00	7,963.37	7,837.31	75.79	32.99	101.82	-6,802.30	3,099.55	7,151.83	7,045.47	106.36	67.242		
10,300.00	7,730.00	7,962.06	7,836.01	75.57	32.98	101.64	-6,802.31	3,099.54	7,052.00	6,945.59	106.41	66.273		
10,400.00	7,730.00	7,960.76	7,834.71	75.36	32.98	101.46	-6,802.33	3,099.52	6,952.18	6,845.72	106.46	65.305		
10,500.00	7,730.00	7,959.47	7,833.42	75.18	32.98	101.29	-6,802.34	3,099.51	6,852.35	6,745.84	106.51	64.336		
10,600.00	7,730.00	7,958.19	7,832.13	75.01	32.97	101.11	-6,802.36	3,099.49	6,752.54	6,645.97	106.56	63.367		
10,700.00	7,730.00	7,956.91	7,830.85	74.86	32.97	100.94	-6,802.37	3,099.47	6,652.72	6,546.10	106.62	62.397		
10,800.00	7,730.00	7,955.63	7,829.58	74.74	32.96	100.76	-6,802.38	3,099.46	6,552.92	6,446.24	106.68	61.428		
10,900.00	7,730.00	7,954.37	7,828.31	74.64	32.96	100.59	-6,802.40	3,099.44	6,453.12	6,346.38	106.74	60.458		
11,000.00	7,730.00	7,953.11	7,827.05	74.56	32.96	100.41	-6,802.41	3,099.43	6,353.32	6,246.52	106.80	59.488		
11,100.00	7,730.00	7,951.85	7,825.80	74.51	32.95	100.24	-6,802.42	3,099.41	6,253.53	6,146.67	106.87	58.518		
11,200.00	7,730.00	7,950.60	7,824.55	74.48	32.95	100.07	-6,802.44	3,099.40	6,153.75	6,046.82	106.93	57.548		
11,300.00	7,730.00	7,949.36	7,823.30	74.48	32.94	99.89	-6,802.45	3,099.38	6,053.97	5,946.97	107.00	56.577		
11,400.00	7,730.00	7,948.12	7,822.06	74.50	32.94	99.72	-6,802.46	3,099.37	5,954.21	5,847.13	107.08	55.607		
11,500.00	7,730.00	7,946.89	7,820.83	74.56	32.94	99.55	-6,802.48	3,099.35	5,854.45	5,747.29	107.15	54.636		
11,600.00	7,730.00	7,945.66	7,819.61	74.66	32.93	99.38	-6,802.49	3,099.34	5,754.70	5,647.46	107.23	53.665		
11,700.00	7,730.00	7,944.44	7,818.38	74.79	32.93	99.21	-6,802.50	3,099.33	5,654.95	5,547.64	107.32	52.694		
11,800.00	7,730.00	7,943.22	7,817.17	74.96	32.93	99.04	-6,802.52	3,099.31	5,555.22	5,447.82	107.40	51.723		
11,900.00	7,730.00	7,942.01	7,815.96	75.17	32.92	98.88	-6,802.53	3,099.30	5,455.49	5,348.00	107.49	50.752		
12,000.00	7,730.00	7,940.81	7,814.76	75.43	32.92	98.71	-6,802.54	3,099.28	5,355.78	5,248.19	107.59	49.781		
12,100.00	7,730.00	7,939.61	7,813.56	75.73	32.91	98.54	-6,802.56	3,099.27	5,256.07	5,148.39	107.68	48.810		
12,200.00	7,730.00	7,938.42	7,812.36	76.09	32.91	98.38	-6,802.57	3,099.25	5,156.38	5,048.60	107.79	47.839		
12,300.00	7,730.00	7,937.23	7,811.18	76.51	32.91	98.21	-6,802.58	3,099.24	5,056.70	4,948.81	107.89	46.868		
12,400.00	7,730.00	7,936.05	7,809.99	76.97	32.90	98.05	-6,802.59	3,099.23	4,957.03	4,849.03	108.00	45.898		
12,500.00	7,730.00	7,934.87	7,808.82	77.50	32.90	97.88	-6,802.61	3,099.21	4,857.38	4,749.26	108.12	44.927		
12,600.00	7,730.00	7,933.70	7,807.64	78.09	32.90	97.72	-6,802.62	3,099.20	4,757.73	4,649.50	108.24	43.956		
12,700.00	7,730.00	7,932.53	7,806.48	78.74	32.89	97.55	-6,802.63	3,099.18	4,658.11	4,549.74	108.37	42.985		
12,800.00	7,730.00	7,931.37	7,805.32	79.45	32.89	97.39	-6,802.64	3,099.17	4,558.50	4,450.00	108.50	42.014		
12,900.00	7,730.00	7,930.21	7,804.16	80.22	32.88	97.23	-6,802.65	3,099.16	4,458.91	4,350.27	108.64	41.044		
13,000.00	7,730.00	7,929.06	7,803.01	81.05	32.88	97.07	-6,802.67	3,099.14	4,359.33	4,250.55	108.78	40.074		
13,100.00	7,730.00	7,928.03	7,801.98	81.94	32.88	96.92	-6,802.68	3,099.13	4,259.78	4,150.84	108.94	39.103		
13,200.00	7,730.00	7,927.00	7,800.95	82.87	32.87	96.78	-6,802.69	3,099.12	4,160.24	4,051.15	109.10	38.133		
13,300.00	7,730.00	7,925.97	7,799.92	83.86	32.87	96.64	-6,802.70	3,099.11	4,060.73	3,951.47	109.27	37.163		
13,400.00	7,730.00	7,924.94	7,798.89	84.90	32.87	96.49	-6,802.71	3,099.09	3,961.25	3,851.80	109.45	36.194		
13,500.00	7,730.00	7,923.91	7,797.86	85.97	32.87	96.35	-6,802.72	3,099.08	3,861.79	3,752.15	109.63	35.224		
13,600.00	7,730.00	7,922.88	7,796.82	87.09	32.86	96.20	-6,802.73	3,099.07	3,762.36	3,652.52	109.83	34.255		
13,700.00	7,730.00	7,921.84	7,795.79	88.25	32.86	96.06	-6,802.74	3,099.06	3,662.95	3,552.91	110.04	33.287		
13,800.00	7,730.00	7,920.81	7,794.76	89.44	32.86	95.91	-6,802.75	3,099.05	3,563.59	3,453.32	110.26	32.319		
13,900.00	7,730.00	7,919.77	7,793.72	90.66	32.85	95.76	-6,802.76	3,099.03	3,464.25	3,353.76	110.50	31.351		
14,000.00	7,730.00	7,918.73	7,792.68	91.92	32.85	95.62	-6,802.77	3,099.02	3,364.96	3,254.21	110.75	30.384		
14,100.00	7,730.00	7,917.69	7,791.64	93.20	32.85	95.47	-6,802.78	3,099.01	3,265.71	3,154.70	111.01	29.417		
14,200.00	7,730.00	7,916.65	7,790.60	94.50	32.84	95.33	-6,802.80	3,099.00	3,166.51	3,055.21	111.30	28.451		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 23-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 134-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,915.61	7,789.56	95.83	32.84	95.18	-6,802.81	3,098.99	3,067.36	2,955.76	111.60	27.486		
14,400.00	7,730.00	7,914.57	7,788.52	97.17	32.84	95.03	-6,802.82	3,098.97	2,968.26	2,856.34	111.92	26.522		
14,500.00	7,730.00	7,913.53	7,787.48	98.54	32.83	94.88	-6,802.83	3,098.96	2,869.23	2,756.97	112.26	25.558		
14,600.00	7,730.00	7,912.48	7,786.43	99.92	32.83	94.74	-6,802.84	3,098.95	2,770.27	2,657.63	112.63	24.595		
14,700.00	7,730.00	7,911.44	7,785.39	101.32	32.83	94.59	-6,802.85	3,098.94	2,671.38	2,558.35	113.03	23.634		
14,800.00	7,730.00	7,910.39	7,784.34	102.74	32.82	94.44	-6,802.86	3,098.93	2,572.58	2,459.12	113.46	22.674		
14,900.00	7,730.00	7,909.34	7,783.29	104.17	32.82	94.29	-6,802.87	3,098.92	2,473.87	2,359.95	113.93	21.715		
15,000.00	7,730.00	7,908.29	7,782.24	105.62	32.82	94.15	-6,802.88	3,098.90	2,375.28	2,260.85	114.43	20.757		
15,100.00	7,730.00	7,907.24	7,781.19	107.07	32.81	94.00	-6,802.89	3,098.89	2,276.80	2,161.82	114.98	19.801		
15,200.00	7,730.00	7,906.19	7,780.14	108.54	32.81	93.85	-6,802.91	3,098.88	2,178.47	2,062.88	115.58	18.847		
15,300.00	7,730.00	7,905.14	7,779.09	110.02	32.81	93.70	-6,802.92	3,098.87	2,080.29	1,964.04	116.24	17.896		
15,400.00	7,730.00	7,904.09	7,778.04	111.51	32.80	93.55	-6,802.93	3,098.86	1,982.29	1,865.32	116.97	16.947		
15,500.00	7,730.00	7,903.03	7,776.98	113.01	32.80	93.40	-6,802.94	3,098.84	1,884.50	1,766.73	117.78	16.001		
15,600.00	7,730.00	7,901.97	7,775.93	114.52	32.80	93.25	-6,802.95	3,098.83	1,786.96	1,668.29	118.67	15.058		
15,700.00	7,730.00	7,900.92	7,774.87	116.04	32.79	93.10	-6,802.96	3,098.82	1,689.70	1,570.03	119.67	14.120		
15,800.00	7,730.00	7,899.86	7,773.81	117.56	32.79	92.95	-6,802.97	3,098.81	1,592.79	1,471.99	120.79	13.186		
15,900.00	7,730.00	7,898.80	7,772.75	119.09	32.79	92.80	-6,802.98	3,098.80	1,496.27	1,374.21	122.06	12.258		
16,000.00	7,730.00	7,897.74	7,771.69	120.63	32.78	92.65	-6,802.99	3,098.78	1,400.25	1,276.75	123.50	11.338		
16,100.00	7,730.00	7,896.68	7,770.63	122.18	32.78	92.50	-6,803.01	3,098.77	1,304.82	1,179.67	125.16	10.426		
16,200.00	7,730.00	7,895.61	7,769.57	123.73	32.78	92.35	-6,803.02	3,098.76	1,210.13	1,083.07	127.06	9.524		
16,300.00	7,730.00	7,894.55	7,768.50	125.29	32.77	92.20	-6,803.03	3,098.75	1,116.37	987.10	129.27	8.636		
16,400.00	7,730.00	7,893.48	7,767.44	126.86	32.77	92.05	-6,803.04	3,098.74	1,023.79	891.93	131.85	7.765		
16,500.00	7,730.00	7,892.42	7,766.37	128.43	32.77	91.90	-6,803.05	3,098.73	932.73	797.84	134.89	6.915		
16,600.00	7,730.00	7,891.35	7,765.30	130.01	32.76	91.75	-6,803.06	3,098.71	843.71	705.23	138.48	6.093		
16,700.00	7,730.00	7,890.28	7,764.23	131.59	32.76	91.59	-6,803.07	3,098.70	757.42	614.71	142.71	5.307		
16,800.00	7,730.00	7,889.21	7,763.16	133.18	32.76	91.44	-6,803.08	3,098.69	674.94	527.27	147.66	4.571		
16,900.00	7,730.00	7,888.14	7,762.09	134.77	32.75	91.29	-6,803.10	3,098.68	597.82	444.52	153.30	3.900		
17,000.00	7,730.00	7,887.07	7,761.02	136.37	32.75	91.14	-6,803.11	3,098.67	528.42	369.11	159.31	3.317		
17,100.00	7,730.00	7,885.99	7,759.95	137.97	32.75	90.99	-6,803.12	3,098.66	470.18	305.39	164.79	2.853		
17,200.00	7,730.00	7,884.92	7,758.87	139.57	32.74	90.83	-6,803.13	3,098.64	427.67	259.73	167.94	2.547		
17,300.00	7,730.00	7,883.84	7,757.79	141.18	32.74	90.68	-6,803.14	3,098.63	405.88	239.52	166.37	2.440 ES, SF		
17,340.83	7,730.00	7,883.40	7,757.35	141.84	32.74	90.62	-6,803.15	3,098.63	403.82	239.84	163.99	2.463 CC		
17,400.00	7,730.00	7,882.76	7,756.72	142.79	32.74	90.53	-6,803.15	3,098.62	408.13	249.30	158.83	2.570		
17,500.00	7,730.00	7,881.68	7,755.64	144.41	32.73	90.37	-6,803.16	3,098.61	434.06	287.11	146.94	2.954		
17,600.00	7,730.00	7,880.60	7,754.56	146.03	32.73	90.22	-6,803.18	3,098.60	479.83	345.79	134.04	3.580		
17,700.00	7,730.00	7,879.52	7,753.48	147.65	32.73	90.07	-6,803.19	3,098.59	540.43	417.76	122.67	4.406		
17,800.00	7,730.00	7,878.44	7,752.40	149.28	32.72	89.91	-6,803.20	3,098.57	611.46	497.65	113.81	5.373		
17,900.00	7,730.00	7,877.36	7,751.31	150.91	32.72	89.76	-6,803.21	3,098.56	689.71	582.34	107.37	6.424		
18,000.00	7,730.00	7,876.27	7,750.23	152.54	32.72	89.61	-6,803.22	3,098.55	773.00	670.09	102.90	7.512		
18,100.00	7,730.00	7,875.19	7,749.14	154.18	32.71	89.45	-6,803.23	3,098.54	859.85	759.96	99.89	8.608		
18,200.00	7,730.00	7,874.10	7,748.05	155.82	32.71	89.30	-6,803.25	3,098.53	949.29	851.38	97.92	9.695		
18,300.00	7,730.00	7,873.01	7,746.97	157.46	32.71	89.14	-6,803.26	3,098.52	1,040.66	944.00	96.66	10.767		
18,400.00	7,730.00	7,871.92	7,745.88	159.11	32.70	88.99	-6,803.27	3,098.50	1,133.48	1,037.60	95.88	11.821		
18,500.00	7,730.00	7,870.83	7,744.79	160.75	32.70	88.84	-6,803.28	3,098.49	1,227.43	1,131.98	95.45	12.860		
18,600.00	7,730.00	7,869.74	7,743.69	162.40	32.70	88.68	-6,803.29	3,098.48	1,322.27	1,227.03	95.24	13.884		
18,700.00	7,730.00	7,868.65	7,742.60	164.05	32.69	88.53	-6,803.30	3,098.47	1,417.81	1,322.63	95.18	14.896		
18,800.00	7,730.00	7,867.55	7,741.51	165.71	32.69	88.37	-6,803.32	3,098.46	1,513.93	1,418.70	95.23	15.897		
18,900.00	7,730.00	7,866.46	7,740.41	167.36	32.69	88.22	-6,803.33	3,098.45	1,610.53	1,515.18	95.35	16.891		
18,942.39	7,730.00	7,865.99	7,739.95	168.07	32.69	88.15	-6,803.33	3,098.44	1,651.59	1,556.18	95.42	17.309		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 24-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	163.41	-7,147.24	2,129.75	7,457.85					
100.00	100.00	43.40	43.39	0.13	0.08	163.40	-7,147.34	2,130.23	7,458.47	7,458.26	0.20	N/A		
200.00	200.00	84.50	84.47	0.49	0.17	163.39	-7,147.62	2,131.54	7,459.96	7,459.32	0.64	N/A		
300.00	300.00	162.08	161.99	0.85	0.43	163.37	-7,148.37	2,134.42	7,461.96	7,460.68	1.28	5,816.479		
400.00	400.00	227.00	226.87	1.21	0.67	163.36	-7,149.21	2,136.84	7,464.30	7,462.42	1.88	3,978.110		
500.00	500.00	280.40	280.22	1.57	0.87	163.35	-7,150.18	2,138.93	7,467.20	7,464.77	2.43	3,074.951		
600.00	600.00	318.00	317.77	1.93	1.00	163.34	-7,151.09	2,140.50	7,470.81	7,467.89	2.92	2,555.884		
700.00	700.00	374.88	374.55	2.29	1.22	163.32	-7,152.74	2,143.40	7,475.11	7,471.62	3.49	2,142.361		
800.00	800.00	410.00	409.58	2.64	1.35	163.30	-7,153.87	2,145.65	7,480.14	7,476.17	3.98	1,881.663		
900.00	899.98	410.00	409.58	3.00	1.35	103.59	-7,153.87	2,145.65	7,486.75	7,482.42	4.33	1,729.410		
1,000.00	999.84	456.91	456.33	3.35	1.53	103.42	-7,155.98	2,149.00	7,494.79	7,489.94	4.86	1,543.726		
1,100.00	1,099.45	502.00	501.18	3.71	1.70	103.24	-7,159.04	2,152.44	7,505.10	7,499.72	5.38	1,395.265		
1,200.00	1,198.70	502.00	501.18	4.08	1.70	103.01	-7,159.04	2,152.44	7,516.87	7,511.12	5.74	1,308.556		
1,300.00	1,297.47	502.00	501.18	4.47	1.70	102.74	-7,159.04	2,152.44	7,530.72	7,524.60	6.12	1,229.902		
1,400.00	1,395.62	549.92	548.74	4.87	1.90	102.48	-7,163.16	2,156.51	7,546.07	7,539.37	6.70	1,126.105		
1,500.00	1,493.06	594.00	592.40	5.31	2.08	102.19	-7,167.56	2,160.79	7,563.31	7,556.02	7.29	1,037.797		
1,600.00	1,589.64	594.00	592.40	5.77	2.08	101.82	-7,167.56	2,160.79	7,582.08	7,574.34	7.74	980.172		
1,700.00	1,685.27	636.70	634.57	6.28	2.26	101.48	-7,172.23	2,165.54	7,602.46	7,594.07	8.39	906.565		
1,800.00	1,779.82	686.00	683.12	6.83	2.47	101.13	-7,177.93	2,171.96	7,624.44	7,615.34	9.10	837.742		
1,900.00	1,873.17	716.93	713.50	7.43	2.62	100.72	-7,181.60	2,176.45	7,647.77	7,637.97	9.79	780.971		
2,000.00	1,965.21	778.00	773.35	8.08	2.90	100.35	-7,188.75	2,186.25	7,672.27	7,661.62	10.66	719.921		
2,100.00	2,055.84	809.09	803.75	8.79	3.05	99.89	-7,192.47	2,191.63	7,698.06	7,686.61	11.45	672.243		
2,200.00	2,144.94	855.00	848.53	9.56	3.27	99.45	-7,198.38	2,199.85	7,725.34	7,712.98	12.36	624.875		
2,300.00	2,232.39	855.00	848.53	10.39	3.27	98.86	-7,198.38	2,199.85	7,753.94	7,740.81	13.13	590.773		
2,400.00	2,318.11	903.18	895.39	11.30	3.52	98.39	-7,205.04	2,208.81	7,783.84	7,769.67	14.17	549.451		
2,504.60	2,405.78	942.00	933.07	12.31	3.72	97.83	-7,210.69	2,216.27	7,816.52	7,801.26	15.26	512.165		
2,600.00	2,484.79	942.00	933.07	13.28	3.72	97.83	-7,210.69	2,216.27	7,847.42	7,831.29	16.13	486.516		
2,700.00	2,567.60	992.15	981.61	14.32	3.99	98.00	-7,218.48	2,226.14	7,880.43	7,863.13	17.29	455.703		
2,800.00	2,650.41	1,036.00	1,023.95	15.37	4.23	98.14	-7,225.82	2,234.91	7,914.42	7,895.98	18.44	429.183		
2,900.00	2,733.23	1,053.84	1,041.14	16.44	4.33	98.20	-7,228.92	2,238.51	7,949.12	7,929.66	19.46	408.420		
3,000.00	2,816.04	1,100.13	1,085.74	17.52	4.59	98.35	-7,237.12	2,247.83	7,984.52	7,963.88	20.63	386.957		
3,100.00	2,898.85	1,229.28	1,210.34	18.60	5.31	98.78	-7,259.74	2,273.18	8,019.72	7,997.48	22.24	360.593		
3,200.00	2,981.67	1,258.13	1,238.13	19.69	5.48	98.87	-7,264.86	2,279.00	8,055.55	8,032.22	23.33	345.262		
3,300.00	3,064.48	1,289.00	1,267.78	20.79	5.66	98.97	-7,270.50	2,285.45	8,092.15	8,067.72	24.43	331.202		
3,400.00	3,147.30	1,337.95	1,314.71	21.90	5.95	99.13	-7,279.66	2,295.92	8,129.41	8,103.77	25.64	317.110		
3,500.00	3,230.11	1,391.60	1,366.09	23.00	6.27	99.30	-7,289.87	2,307.52	8,167.17	8,140.31	26.87	303.996		
3,600.00	3,312.92	1,448.09	1,420.11	24.12	6.61	99.47	-7,300.78	2,319.93	8,205.42	8,177.30	28.11	291.858		
3,700.00	3,395.74	1,463.00	1,434.36	25.23	6.70	99.52	-7,303.69	2,323.23	8,244.28	8,215.16	29.12	283.110		
3,800.00	3,478.55	1,515.84	1,484.76	26.35	7.03	99.68	-7,314.28	2,335.04	8,283.67	8,253.33	30.35	272.971		
3,900.00	3,561.36	1,550.00	1,517.26	27.47	7.25	99.78	-7,321.43	2,342.75	8,323.86	8,292.41	31.46	264.602		
4,000.00	3,644.18	1,588.94	1,554.24	28.59	7.50	99.90	-7,329.77	2,351.65	8,364.70	8,332.10	32.60	256.606		
4,100.00	3,726.99	1,638.00	1,600.74	29.72	7.82	100.05	-7,340.46	2,363.09	8,406.08	8,372.28	33.80	248.732		
4,200.00	3,809.81	1,638.00	1,600.74	30.85	7.82	100.05	-7,340.46	2,363.09	8,448.18	8,413.50	34.68	243.595		
4,300.00	3,892.62	1,691.55	1,651.33	31.98	8.17	100.20	-7,352.53	2,375.83	8,490.74	8,454.84	35.90	236.483		
4,400.00	3,975.43	2,178.45	2,113.14	33.11	11.37	101.60	-7,456.15	2,489.78	8,533.77	8,493.86	39.91	213.813		
4,500.00	4,058.25	2,242.01	2,173.97	34.24	11.76	101.78	-7,468.19	2,503.75	8,573.15	8,531.93	41.21	208.031		
4,600.00	4,141.06	2,283.24	2,213.36	35.37	12.03	101.90	-7,476.11	2,513.00	8,612.98	8,570.61	42.37	203.278		
4,700.00	4,223.87	2,336.00	2,263.60	36.50	12.36	102.04	-7,486.50	2,525.29	8,653.43	8,609.83	43.60	198.469		
4,800.00	4,306.69	2,367.71	2,293.75	37.64	12.57	102.13	-7,492.89	2,532.77	8,694.40	8,649.71	44.69	194.545		
4,900.00	4,389.50	2,633.15	2,547.72	38.77	14.24	102.88	-7,544.16	2,590.33	8,734.24	8,686.96	47.28	184.751		
5,000.00	4,472.32	2,685.00	2,597.41	39.91	14.55	103.02	-7,554.02	2,601.39	8,774.23	8,725.74	48.49	180.949		
5,100.00	4,555.13	2,709.24	2,620.59	41.05	14.71	103.09	-7,558.73	2,606.71	8,814.74	8,765.21	49.53	177.979		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 24-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	5,200.00	2,714.11	42.18	30.91	103.35	-7,577.79	2,629.50	8,855.73	8,791.87	63.87	138.661		
5,300.00	4,720.76	2,971.80	2,870.81	43.32	16.40	103.77	-7,608.07	2,669.07	8,895.92	8,842.88	53.05	167.698		
5,400.00	4,803.57	3,015.66	2,912.66	44.46	16.68	103.88	-7,616.17	2,679.37	8,936.36	8,882.15	54.21	164.835		
5,500.00	4,886.39	3,035.00	2,931.12	45.60	16.81	103.93	-7,619.82	2,683.82	8,977.38	8,922.17	55.21	162.615		
5,600.00	4,969.20	3,086.05	2,979.80	46.74	17.14	104.06	-7,629.73	2,695.58	9,018.90	8,962.49	56.41	159.883		
5,700.00	5,052.01	3,122.00	3,014.01	47.88	17.37	104.16	-7,636.97	2,703.96	9,061.09	9,003.58	57.50	157.577		
5,800.00	5,134.83	3,150.00	3,040.61	49.02	17.56	104.23	-7,642.76	2,710.51	9,103.87	9,045.34	58.53	155.531		
5,900.00	5,217.64	3,181.00	3,070.02	50.16	17.76	104.31	-7,649.34	2,717.75	9,147.27	9,087.69	59.58	153.530		
6,000.00	5,300.45	3,209.00	3,096.56	51.30	17.95	104.38	-7,655.43	2,724.28	9,191.27	9,130.67	60.60	151.680		
6,100.00	5,383.27	3,209.00	3,096.56	52.45	17.95	104.38	-7,655.43	2,724.28	9,236.02	9,174.63	61.40	150.425		
6,200.00	5,466.08	3,255.89	3,140.88	53.59	18.27	104.50	-7,666.07	2,735.28	9,281.20	9,218.66	62.54	148.399		
6,300.00	5,548.90	3,296.00	3,178.64	54.73	18.55	104.60	-7,675.65	2,744.83	9,327.22	9,263.59	63.63	146.586		
6,400.00	5,631.71	3,646.00	3,508.49	55.87	20.98	105.42	-7,752.70	2,832.82	9,371.49	9,304.38	67.12	139.629		
6,500.00	5,714.52	3,686.27	3,546.49	57.02	21.26	105.51	-7,761.11	2,843.17	9,415.53	9,347.30	68.23	138.005		
6,600.00	5,797.34	3,733.00	3,590.55	58.16	21.59	105.62	-7,771.23	2,854.98	9,460.17	9,390.79	69.38	136.353		
6,700.00	5,880.15	3,754.37	3,610.69	59.30	21.74	105.67	-7,775.97	2,860.32	9,505.30	9,434.97	70.33	135.158		
6,800.00	5,962.96	3,793.07	3,647.15	60.45	22.01	105.76	-7,784.71	2,869.91	9,550.95	9,479.55	71.40	133.760		
6,900.00	6,045.78	3,837.07	3,688.58	61.59	22.31	105.86	-7,794.86	2,880.71	9,597.09	9,524.58	72.52	132.345		
7,000.00	6,128.59	6,474.32	6,264.99	62.73	33.85	113.19	-8,088.78	3,179.35	9,631.88	9,545.21	86.67	111.138		
7,100.00	6,211.41	6,582.26	6,372.92	63.88	34.07	113.54	-8,087.45	3,178.05	9,656.34	9,568.44	87.90	109.857		
7,200.00	6,294.22	6,693.59	6,484.23	65.02	34.29	113.89	-8,085.74	3,176.91	9,680.82	9,591.69	89.14	108.605		
7,300.00	6,377.03	6,770.66	6,561.29	66.17	34.45	114.14	-8,084.46	3,176.30	9,705.47	9,615.17	90.30	107.483		
7,400.00	6,459.85	6,845.43	6,636.04	67.31	34.61	114.37	-8,083.26	3,175.88	9,730.44	9,638.99	91.45	106.406		
7,500.00	6,542.66	6,913.10	6,703.70	68.46	34.76	114.58	-8,082.25	3,175.66	9,755.75	9,663.18	92.58	105.379		
7,600.00	6,625.48	6,975.96	6,766.56	69.60	34.90	114.78	-8,081.42	3,175.69	9,781.48	9,687.79	93.70	104.396		
7,700.00	6,708.29	7,039.02	6,829.62	70.75	35.04	114.97	-8,080.72	3,175.98	9,807.63	9,712.82	94.81	103.447		
7,800.00	6,791.10	7,096.71	6,887.30	71.89	35.19	115.15	-8,080.20	3,176.47	9,834.21	9,738.30	95.91	102.536		
7,900.00	6,873.92	7,153.38	6,943.96	73.04	35.33	115.32	-8,079.84	3,177.17	9,861.25	9,764.24	97.00	101.658		
8,000.00	6,956.73	7,225.00	7,015.58	74.18	35.51	115.53	-8,079.61	3,178.36	9,888.76	9,790.62	98.14	100.764		
8,100.00	7,039.54	7,273.91	7,064.47	75.33	35.64	115.67	-8,079.56	3,179.36	9,916.67	9,817.46	99.21	99.961		
8,165.32	7,093.63	7,317.16	7,107.72	76.08	35.76	115.80	-8,079.57	3,180.34	9,935.11	9,835.18	99.94	99.415		
8,200.00	7,122.60	7,340.35	7,130.90	76.47	35.82	111.05	-8,079.60	3,180.90	9,943.96	9,843.63	100.32	99.118		
8,250.00	7,165.05	7,374.39	7,164.92	77.01	35.92	103.49	-8,079.66	3,181.77	9,953.18	9,852.29	100.89	98.650		
8,300.00	7,208.03	7,400.00	7,190.53	77.52	35.99	95.27	-8,079.73	3,182.47	9,958.19	9,856.76	101.44	98.172		
8,350.00	7,251.22	7,439.31	7,229.82	77.99	36.10	86.81	-8,079.88	3,183.63	9,958.95	9,856.92	102.03	97.612		
8,400.00	7,294.28	7,470.64	7,261.13	78.41	36.19	78.50	-8,080.05	3,184.66	9,955.46	9,852.89	102.58	97.054		
8,450.00	7,336.90	7,501.76	7,292.23	78.78	36.28	70.75	-8,080.26	3,185.78	9,947.76	9,844.65	103.11	96.476		
8,500.00	7,378.73	7,532.45	7,322.90	79.10	36.37	63.81	-8,080.50	3,186.97	9,935.88	9,832.26	103.62	95.885		
8,550.00	7,419.47	7,574.00	7,364.41	79.37	36.49	57.83	-8,080.89	3,188.73	9,919.93	9,815.78	104.15	95.247		
8,600.00	7,458.81	7,592.98	7,383.37	79.59	36.55	52.70	-8,081.09	3,189.59	9,899.98	9,795.40	104.57	94.669		
8,650.00	7,496.44	7,623.19	7,413.54	79.76	36.65	48.44	-8,081.43	3,191.04	9,876.20	9,771.19	105.01	94.047		
8,700.00	7,532.08	7,651.97	7,442.29	79.88	36.74	44.92	-8,081.78	3,192.52	9,848.75	9,743.34	105.42	93.425		
8,750.00	7,565.46	7,679.11	7,469.38	79.95	36.82	42.03	-8,082.13	3,194.01	9,817.83	9,712.05	105.79	92.807		
8,800.00	7,596.33	7,704.38	7,494.61	79.98	36.90	39.69	-8,082.48	3,195.47	9,783.66	9,677.54	106.12	92.194		
8,850.00	7,624.44	7,727.57	7,517.75	79.97	36.97	37.83	-8,082.82	3,196.87	9,746.49	9,640.07	106.42	91.589		
8,900.00	7,649.59	7,749.00	7,539.13	79.93	37.04	36.40	-8,083.15	3,198.23	9,706.58	9,599.91	106.67	90.992		
8,950.00	7,671.59	7,776.47	7,566.55	79.84	37.13	35.41	-8,083.58	3,199.97	9,664.22	9,557.29	106.93	90.379		
9,000.00	7,690.26	7,800.52	7,590.55	79.73	37.20	34.85	-8,083.93	3,201.44	9,619.72	9,512.57	107.14	89.782		
9,050.00	7,705.47	7,820.21	7,610.19	79.59	37.27	34.78	-8,084.22	3,202.62	9,573.41	9,466.09	107.32	89.206		
9,100.00	7,717.09	7,835.41	7,625.37	79.43	37.32	35.42	-8,084.43	3,203.50	9,525.63	9,418.18	107.45	88.653		
9,150.00	7,725.04	7,846.05	7,635.99	79.26	37.35	37.52	-8,084.58	3,204.11	9,476.77	9,369.23	107.54	88.122		
9,200.00	7,729.27	7,852.06	7,642.00	79.06	37.37	44.96	-8,084.66	3,204.45	9,427.18	9,319.58	107.60	87.616		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 24-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	7,853.46	7,643.39	78.93	37.37	69.53	-8,084.68	3,204.53	9,396.10	9,288.48	107.61	87.314		
9,300.00	7,730.00	7,854.56	7,644.49	78.65	37.38	69.71	-8,084.70	3,204.59	9,327.27	9,219.64	107.63	86.658		
9,400.00	7,730.00	7,856.16	7,646.08	78.26	37.38	69.98	-8,084.72	3,204.68	9,227.33	9,119.66	107.66	85.705		
9,500.00	7,730.00	7,857.74	7,647.67	77.89	37.39	70.25	-8,084.74	3,204.77	9,127.38	9,019.69	107.69	84.752		
9,600.00	7,730.00	7,859.32	7,649.24	77.53	37.39	70.51	-8,084.76	3,204.86	9,027.44	8,919.71	107.73	83.799		
9,700.00	7,730.00	7,860.89	7,650.81	77.19	37.40	70.78	-8,084.78	3,204.95	8,927.50	8,819.74	107.76	82.846		
9,800.00	7,730.00	7,862.46	7,652.37	76.88	37.40	71.05	-8,084.80	3,205.03	8,827.56	8,719.77	107.80	81.892		
9,900.00	7,730.00	7,864.01	7,653.93	76.58	37.41	71.32	-8,084.82	3,205.12	8,727.62	8,619.79	107.83	80.938		
10,000.00	7,730.00	7,865.56	7,655.47	76.30	37.41	71.58	-8,084.85	3,205.21	8,627.69	8,519.82	107.87	79.984		
10,100.00	7,730.00	7,867.11	7,657.01	76.04	37.42	71.85	-8,084.87	3,205.29	8,527.75	8,419.85	107.91	79.030		
10,200.00	7,730.00	7,868.64	7,658.55	75.79	37.42	72.12	-8,084.89	3,205.38	8,427.82	8,319.87	107.95	78.075		
10,300.00	7,730.00	7,870.17	7,660.07	75.57	37.43	72.38	-8,084.91	3,205.46	8,327.89	8,219.90	107.99	77.120		
10,400.00	7,730.00	7,871.69	7,661.59	75.36	37.43	72.65	-8,084.93	3,205.54	8,227.95	8,119.93	108.03	76.165		
10,500.00	7,730.00	7,873.20	7,663.10	75.18	37.44	72.91	-8,084.95	3,205.63	8,128.02	8,019.95	108.07	75.210		
10,600.00	7,730.00	7,874.71	7,664.61	75.01	37.44	73.18	-8,084.97	3,205.71	8,028.10	7,919.98	108.11	74.255		
10,700.00	7,730.00	7,876.21	7,666.11	74.86	37.45	73.44	-8,084.99	3,205.79	7,928.17	7,820.01	108.16	73.300		
10,800.00	7,730.00	7,877.71	7,667.60	74.74	37.45	73.71	-8,085.01	3,205.87	7,828.24	7,720.04	108.21	72.345		
10,900.00	7,730.00	7,879.19	7,669.08	74.64	37.46	73.97	-8,085.03	3,205.95	7,728.32	7,620.06	108.26	71.389		
11,000.00	7,730.00	7,880.67	7,670.56	74.56	37.46	74.24	-8,085.04	3,206.03	7,628.40	7,520.09	108.31	70.433		
11,100.00	7,730.00	7,882.15	7,672.03	74.51	37.47	74.50	-8,085.06	3,206.11	7,528.48	7,420.12	108.36	69.478		
11,200.00	7,730.00	7,883.61	7,673.49	74.48	37.47	74.76	-8,085.08	3,206.19	7,428.56	7,320.15	108.41	68.522		
11,300.00	7,730.00	7,885.07	7,674.95	74.48	37.47	75.03	-8,085.10	3,206.27	7,328.65	7,220.18	108.47	67.566		
11,400.00	7,730.00	7,886.53	7,676.40	74.50	37.48	75.29	-8,085.12	3,206.35	7,228.73	7,120.21	108.52	66.610		
11,500.00	7,730.00	7,887.97	7,677.85	74.56	37.48	75.55	-8,085.14	3,206.43	7,128.82	7,020.24	108.58	65.654		
11,600.00	7,730.00	7,889.41	7,679.29	74.66	37.49	75.81	-8,085.16	3,206.50	7,028.91	6,920.27	108.64	64.698		
11,700.00	7,730.00	7,890.85	7,680.72	74.79	37.49	76.07	-8,085.18	3,206.58	6,929.00	6,820.30	108.70	63.742		
11,800.00	7,730.00	7,892.28	7,682.15	74.96	37.50	76.34	-8,085.20	3,206.66	6,829.10	6,720.33	108.77	62.785		
11,900.00	7,730.00	7,893.70	7,683.56	75.17	37.50	76.60	-8,085.21	3,206.73	6,729.20	6,620.36	108.83	61.829		
12,000.00	7,730.00	7,895.11	7,684.98	75.43	37.51	76.86	-8,085.23	3,206.81	6,629.30	6,520.39	108.90	60.873		
12,100.00	7,730.00	7,896.52	7,686.38	75.73	37.51	77.12	-8,085.25	3,206.88	6,529.40	6,420.43	108.97	59.917		
12,200.00	7,730.00	7,897.93	7,687.79	76.09	37.52	77.37	-8,085.27	3,206.96	6,429.51	6,320.46	109.05	58.961		
12,300.00	7,730.00	7,899.32	7,689.18	76.51	37.52	77.63	-8,085.29	3,207.03	6,329.62	6,220.49	109.12	58.005		
12,400.00	7,730.00	7,900.71	7,690.57	76.97	37.52	77.89	-8,085.30	3,207.10	6,229.73	6,120.53	109.20	57.049		
12,500.00	7,730.00	7,902.10	7,691.95	77.50	37.53	78.15	-8,085.32	3,207.18	6,129.84	6,020.56	109.28	56.093		
12,600.00	7,730.00	7,903.48	7,693.33	78.09	37.53	78.41	-8,085.34	3,207.25	6,029.96	5,920.60	109.36	55.137		
12,700.00	7,730.00	7,904.85	7,694.70	78.74	37.54	78.66	-8,085.35	3,207.32	5,930.09	5,820.64	109.45	54.181		
12,800.00	7,730.00	7,906.21	7,696.06	79.45	37.54	78.92	-8,085.37	3,207.39	5,830.21	5,720.68	109.54	53.225		
12,900.00	7,730.00	7,907.57	7,697.42	80.22	37.55	79.17	-8,085.39	3,207.46	5,730.34	5,620.71	109.63	52.270		
13,000.00	7,730.00	7,908.93	7,698.77	81.05	37.55	79.43	-8,085.41	3,207.53	5,630.48	5,520.75	109.73	51.314		
13,100.00	7,730.00	7,910.28	7,700.12	81.94	37.55	79.68	-8,085.42	3,207.60	5,530.62	5,420.80	109.82	50.359		
13,200.00	7,730.00	7,911.62	7,701.46	82.87	37.56	79.94	-8,085.44	3,207.67	5,430.77	5,320.84	109.93	49.404		
13,300.00	7,730.00	7,912.96	7,702.80	83.86	37.56	80.19	-8,085.46	3,207.74	5,330.92	5,220.88	110.03	48.448		
13,400.00	7,730.00	7,914.29	7,704.13	84.90	37.57	80.44	-8,085.47	3,207.81	5,231.07	5,120.93	110.14	47.493		
13,500.00	7,730.00	7,915.61	7,705.45	85.97	37.57	80.70	-8,085.49	3,207.88	5,131.23	5,020.98	110.26	46.539		
13,600.00	7,730.00	7,916.93	7,706.77	87.09	37.58	80.95	-8,085.51	3,207.95	5,031.40	4,921.02	110.38	45.584		
13,700.00	7,730.00	7,918.25	7,708.08	88.25	37.58	81.20	-8,085.52	3,208.01	4,931.57	4,821.07	110.50	44.630		
13,800.00	7,730.00	7,919.56	7,709.39	89.44	37.58	81.45	-8,085.54	3,208.08	4,831.75	4,721.13	110.63	43.676		
13,900.00	7,730.00	7,920.86	7,710.69	90.66	37.59	81.70	-8,085.55	3,208.15	4,731.94	4,621.18	110.76	42.722		
14,000.00	7,730.00	7,922.16	7,711.98	91.92	37.59	81.95	-8,085.57	3,208.21	4,632.14	4,521.24	110.90	41.768		
14,100.00	7,730.00	7,923.45	7,713.28	93.20	37.60	82.20	-8,085.59	3,208.28	4,532.34	4,421.30	111.05	40.815		
14,200.00	7,730.00	7,924.74	7,714.56	94.50	37.60	82.44	-8,085.60	3,208.35	4,432.56	4,321.36	111.20	39.861		
14,300.00	7,730.00	7,926.02	7,715.84	95.83	37.61	82.69	-8,085.62	3,208.41	4,332.78	4,221.42	111.36	38.909		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,400.00	7,730.00	7,927.30	7,717.11	97.17	37.61	82.94	-8,085.63	3,208.48	4,233.01	4,121.49	111.52	37.956		
14,500.00	7,730.00	7,928.57	7,718.38	98.54	37.61	83.18	-8,085.65	3,208.54	4,133.25	4,021.56	111.70	37.004		
14,600.00	7,730.00	7,929.83	7,719.65	99.92	37.62	83.43	-8,085.66	3,208.60	4,033.51	3,921.63	111.88	36.052		
14,700.00	7,730.00	7,931.09	7,720.90	101.32	37.62	83.67	-8,085.68	3,208.67	3,933.78	3,821.71	112.07	35.101		
14,800.00	7,730.00	7,932.35	7,722.16	102.74	37.63	83.92	-8,085.69	3,208.73	3,834.06	3,721.79	112.27	34.150		
14,900.00	7,730.00	7,933.60	7,723.41	104.17	37.63	84.16	-8,085.71	3,208.79	3,734.36	3,621.87	112.48	33.199		
15,000.00	7,730.00	7,934.84	7,724.65	105.62	37.63	84.40	-8,085.72	3,208.85	3,634.67	3,521.96	112.71	32.249		
15,100.00	7,730.00	7,936.08	7,725.89	107.07	37.64	84.64	-8,085.74	3,208.92	3,535.00	3,422.05	112.94	31.299		
15,200.00	7,730.00	7,937.31	7,727.12	108.54	37.64	84.88	-8,085.75	3,208.98	3,435.34	3,322.15	113.19	30.350		
15,300.00	7,730.00	7,938.54	7,728.35	110.02	37.65	85.12	-8,085.77	3,209.04	3,335.71	3,222.26	113.45	29.401		
15,400.00	7,730.00	7,939.77	7,729.57	111.51	37.65	85.36	-8,085.78	3,209.10	3,236.10	3,122.37	113.73	28.453		
15,500.00	7,730.00	7,940.99	7,730.79	113.01	37.65	85.60	-8,085.80	3,209.16	3,136.52	3,022.49	114.03	27.506		
15,600.00	7,730.00	7,942.20	7,732.00	114.52	37.66	85.84	-8,085.81	3,209.22	3,036.96	2,922.61	114.35	26.559		
15,700.00	7,730.00	7,943.41	7,733.21	116.04	37.66	86.08	-8,085.82	3,209.28	2,937.43	2,822.74	114.68	25.613		
15,800.00	7,730.00	7,941.02	7,730.82	117.56	37.65	85.61	-8,085.81	3,209.17	2,837.95	2,722.93	115.02	24.673		
15,900.00	7,730.00	7,942.14	7,731.94	119.09	37.66	85.83	-8,085.82	3,209.22	2,738.49	2,623.08	115.41	23.729		
16,000.00	7,730.00	7,943.28	7,733.07	120.63	37.66	86.05	-8,085.84	3,209.28	2,639.07	2,523.25	115.82	22.785		
16,100.00	7,730.00	7,944.42	7,734.22	122.18	37.66	86.28	-8,085.85	3,209.34	2,539.70	2,423.43	116.27	21.843		
16,200.00	7,730.00	7,945.58	7,735.37	123.73	37.67	86.51	-8,085.87	3,209.39	2,440.37	2,323.62	116.76	20.901		
16,300.00	7,730.00	7,946.74	7,736.53	125.29	37.67	86.73	-8,085.88	3,209.45	2,341.11	2,223.82	117.28	19.961		
16,400.00	7,730.00	7,947.91	7,737.71	126.86	37.67	86.97	-8,085.90	3,209.51	2,241.91	2,124.05	117.86	19.022		
16,500.00	7,730.00	7,949.10	7,738.89	128.43	37.68	87.20	-8,085.92	3,209.57	2,142.78	2,024.29	118.49	18.084		
16,600.00	7,730.00	7,950.30	7,740.08	130.01	37.68	87.44	-8,085.93	3,209.63	2,043.74	1,924.56	119.18	17.148		
16,700.00	7,730.00	7,951.50	7,741.29	131.59	37.68	87.67	-8,085.95	3,209.69	1,944.79	1,824.85	119.94	16.214		
16,800.00	7,730.00	7,952.72	7,742.51	133.18	37.69	87.92	-8,085.97	3,209.75	1,845.96	1,725.17	120.79	15.282		
16,900.00	7,730.00	7,953.95	7,743.74	134.77	37.69	88.16	-8,085.98	3,209.81	1,747.26	1,625.52	121.74	14.353		
17,000.00	7,730.00	7,955.19	7,744.98	136.37	37.70	88.41	-8,086.00	3,209.87	1,648.71	1,525.91	122.80	13.426		
17,100.00	7,730.00	7,956.45	7,746.23	137.97	37.70	88.65	-8,086.02	3,209.93	1,550.35	1,426.36	123.99	12.503		
17,200.00	7,730.00	7,957.71	7,747.49	139.57	37.70	88.90	-8,086.03	3,209.99	1,452.21	1,326.85	125.36	11.584		
17,300.00	7,730.00	7,958.99	7,748.77	141.18	37.71	89.16	-8,086.05	3,210.06	1,354.35	1,227.42	126.93	10.670		
17,400.00	7,730.00	7,960.28	7,750.05	142.79	37.71	89.41	-8,086.07	3,210.12	1,256.81	1,128.07	128.74	9.762		
17,500.00	7,730.00	7,961.58	7,751.35	144.41	37.72	89.67	-8,086.09	3,210.18	1,159.70	1,028.84	130.86	8.862		
17,600.00	7,730.00	7,962.90	7,752.67	146.03	37.72	89.93	-8,086.11	3,210.25	1,063.12	929.75	133.37	7.971		
17,700.00	7,730.00	7,964.22	7,753.99	147.65	37.72	90.20	-8,086.13	3,210.31	967.23	830.86	136.37	7.092		
17,800.00	7,730.00	7,965.56	7,755.33	149.28	37.73	90.46	-8,086.15	3,210.38	872.27	732.25	140.02	6.230		
17,900.00	7,730.00	7,966.91	7,756.68	150.91	37.73	90.73	-8,086.17	3,210.44	778.56	634.07	144.49	5.388		
18,000.00	7,730.00	7,968.28	7,758.04	152.54	37.74	91.00	-8,086.19	3,210.51	686.63	536.57	150.06	4.576		
18,100.00	7,730.00	7,969.66	7,759.42	154.18	37.74	91.28	-8,086.21	3,210.58	597.30	440.24	157.06	3.803		
18,200.00	7,730.00	7,971.05	7,760.81	155.82	37.75	91.56	-8,086.23	3,210.64	511.92	346.07	165.85	3.087		
18,300.00	7,730.00	7,972.46	7,762.22	157.46	37.75	91.84	-8,086.25	3,210.71	432.85	256.29	176.56	2.452		
18,400.00	7,730.00	7,973.88	7,763.64	159.11	37.75	92.12	-8,086.27	3,210.78	364.20	175.97	188.24	1.935		
18,500.00	7,730.00	7,975.32	7,765.07	160.75	37.76	92.41	-8,086.29	3,210.85	312.94	116.12	196.82	1.590		
18,600.00	7,730.00	7,976.77	7,766.52	162.40	37.76	92.70	-8,086.31	3,210.92	288.46	94.46	194.00	1.487	Level 3, ES, SF	
18,623.61	7,730.00	7,977.11	7,766.86	162.79	37.77	92.76	-8,086.32	3,210.94	287.49	96.57	190.92	1.506	CC	
18,700.00	7,730.00	7,978.23	7,767.98	164.05	37.77	92.99	-8,086.33	3,210.99	297.46	121.92	175.54	1.695		
18,800.00	7,730.00	7,979.71	7,769.46	165.71	37.77	93.28	-8,086.35	3,211.06	337.28	186.84	150.44	2.242		
18,900.00	7,730.00	7,981.21	7,770.95	167.36	37.78	93.58	-8,086.38	3,211.13	398.78	269.64	129.13	3.088		
18,942.39	7,730.00	7,981.84	7,771.59	168.07	37.78	93.71	-8,086.39	3,211.17	429.24	307.11	122.13	3.515		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 43-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	11.80	11.80	0.00	0.02	163.50	-7,164.01	2,121.92	7,471.66					
100.00	100.00	64.77	64.77	0.13	0.13	163.50	-7,164.19	2,122.20	7,472.13	7,471.86	0.27	N/A		
200.00	200.00	135.00	134.99	0.49	0.39	163.49	-7,164.70	2,123.34	7,473.23	7,472.36	0.88	8,515.620		
300.00	300.00	179.45	179.42	0.85	0.55	163.48	-7,165.17	2,124.46	7,474.86	7,473.46	1.40	5,351.724		
400.00	400.00	227.00	226.94	1.21	0.72	163.48	-7,165.79	2,125.93	7,477.06	7,475.14	1.93	3,881.039		
500.00	500.00	265.60	265.50	1.57	0.86	163.47	-7,166.47	2,127.53	7,480.04	7,477.62	2.43	3,083.408		
600.00	600.00	318.00	317.79	1.93	1.05	163.45	-7,167.83	2,130.66	7,484.03	7,481.05	2.97	2,515.986		
700.00	700.00	318.00	317.79	2.29	1.05	163.45	-7,167.83	2,130.66	7,488.77	7,485.44	3.33	2,246.831		
800.00	800.00	318.00	317.79	2.64	1.05	163.45	-7,167.83	2,130.66	7,494.85	7,491.16	3.69	2,030.329		
900.00	899.98	374.67	374.24	3.00	1.27	103.69	-7,170.14	2,135.06	7,501.78	7,497.53	4.25	1,763.206		
1,000.00	999.84	410.00	409.37	3.35	1.41	103.51	-7,172.17	2,138.21	7,510.87	7,506.14	4.74	1,585.561		
1,100.00	1,099.45	410.00	409.37	3.71	1.41	103.30	-7,172.17	2,138.21	7,521.75	7,516.66	5.09	1,476.673		
1,200.00	1,198.70	454.59	453.66	4.08	1.58	103.07	-7,175.35	2,142.33	7,534.28	7,528.66	5.63	1,338.980		
1,300.00	1,297.47	502.00	500.69	4.47	1.77	102.82	-7,179.49	2,146.60	7,548.65	7,542.47	6.18	1,220.839		
1,400.00	1,395.62	502.00	500.69	4.87	1.77	102.51	-7,179.49	2,146.60	7,564.58	7,558.00	6.58	1,149.836		
1,500.00	1,493.06	541.35	539.69	5.31	1.94	102.21	-7,183.52	2,150.04	7,582.18	7,575.04	7.15	1,060.864		
1,600.00	1,589.64	594.00	591.78	5.77	2.16	101.91	-7,189.74	2,154.46	7,601.58	7,593.78	7.79	975.297		
1,700.00	1,685.27	594.00	591.78	6.28	2.16	101.50	-7,189.74	2,154.46	7,622.33	7,614.05	8.27	921.209		
1,800.00	1,779.82	637.31	634.58	6.83	2.34	101.14	-7,195.49	2,157.81	7,644.70	7,635.75	8.96	853.427		
1,900.00	1,873.17	686.00	682.64	7.43	2.55	100.78	-7,202.53	2,161.10	7,668.55	7,658.85	9.70	790.284		
2,000.00	1,965.21	686.00	682.64	8.08	2.55	100.27	-7,202.53	2,161.10	7,693.87	7,683.56	10.31	746.335		
2,100.00	2,055.84	686.00	682.64	8.79	2.55	99.71	-7,202.53	2,161.10	7,721.00	7,710.04	10.96	704.344		
2,200.00	2,144.94	738.17	734.01	9.56	2.78	99.30	-7,211.10	2,164.13	7,749.10	7,737.23	11.87	652.949		
2,300.00	2,232.39	778.00	773.08	10.39	2.95	98.84	-7,218.55	2,166.15	7,779.16	7,766.38	12.78	608.651		
2,400.00	2,318.11	778.00	773.08	11.30	2.95	98.18	-7,218.55	2,166.15	7,810.44	7,796.85	13.59	574.633		
2,504.60	2,405.78	778.00	773.08	12.31	2.95	97.46	-7,218.55	2,166.15	7,844.89	7,830.39	14.50	541.089		
2,600.00	2,484.79	807.94	802.35	13.28	3.09	97.59	-7,224.68	2,167.52	7,877.34	7,861.86	15.48	508.921		
2,700.00	2,567.60	824.22	818.23	14.32	3.17	97.67	-7,228.20	2,168.20	7,912.35	7,895.90	16.46	480.843		
2,800.00	2,650.41	855.00	848.18	15.37	3.31	97.80	-7,235.21	2,169.40	7,948.38	7,930.88	17.50	454.240		
2,900.00	2,733.23	855.00	848.18	16.44	3.31	97.80	-7,235.21	2,169.40	7,985.22	7,966.80	18.42	433.577		
3,000.00	2,816.04	855.00	848.18	17.52	3.31	97.80	-7,235.21	2,169.40	8,023.13	8,003.80	19.34	414.947		
3,100.00	2,898.85	898.51	890.36	18.60	3.53	98.00	-7,245.75	2,171.09	8,061.69	8,041.25	20.44	394.384		
3,200.00	2,981.67	942.00	932.37	19.69	3.75	98.19	-7,256.85	2,172.97	8,101.33	8,079.78	21.55	376.011		
3,300.00	3,064.48	942.00	932.37	20.79	3.75	98.19	-7,256.85	2,172.97	8,141.58	8,119.13	22.46	362.560		
3,400.00	3,147.30	942.00	932.37	21.90	3.75	98.19	-7,256.85	2,172.97	8,182.86	8,159.50	23.36	350.297		
3,500.00	3,230.11	991.06	979.59	23.00	4.01	98.41	-7,269.92	2,175.43	8,224.73	8,200.24	24.49	335.833		
3,600.00	3,312.92	1,031.00	1,017.92	24.12	4.22	98.58	-7,280.90	2,177.76	8,267.49	8,241.92	25.57	323.374		
3,700.00	3,395.74	1,031.00	1,017.92	25.23	4.22	98.58	-7,280.90	2,177.76	8,310.96	8,284.50	26.45	314.196		
3,800.00	3,478.55	1,081.85	1,066.60	26.35	4.51	98.80	-7,295.23	2,181.08	8,355.07	8,327.49	27.58	302.972		
3,900.00	3,561.36	1,118.86	1,101.95	27.47	4.72	98.96	-7,305.83	2,183.72	8,399.85	8,371.22	28.63	293.346		
4,000.00	3,644.18	1,217.36	1,196.07	28.59	5.29	99.37	-7,334.15	2,190.39	8,444.98	8,414.98	30.00	281.503		
4,100.00	3,726.99	1,235.17	1,213.05	29.72	5.40	99.45	-7,339.35	2,191.55	8,490.59	8,459.64	30.95	274.335		
4,200.00	3,809.81	1,262.41	1,239.02	30.85	5.56	99.56	-7,347.40	2,193.32	8,536.89	8,504.94	31.94	267.263		
4,300.00	3,892.62	1,291.00	1,266.22	31.98	5.73	99.68	-7,356.00	2,195.22	8,583.86	8,550.93	32.93	260.635		
4,400.00	3,975.43	1,320.73	1,294.46	33.11	5.91	99.81	-7,365.08	2,197.24	8,631.49	8,597.57	33.93	254.411		
4,500.00	4,058.25	1,352.14	1,324.24	34.24	6.11	99.94	-7,374.81	2,199.45	8,679.75	8,644.83	34.92	248.542		
4,600.00	4,141.06	1,378.00	1,348.72	35.37	6.27	100.05	-7,382.92	2,201.34	8,728.63	8,692.75	35.88	243.267		
4,700.00	4,223.87	1,414.25	1,382.98	36.50	6.50	100.19	-7,394.44	2,204.14	8,778.11	8,741.22	36.89	237.941		
4,800.00	4,306.69	1,466.00	1,431.75	37.64	6.83	100.40	-7,411.17	2,208.53	8,828.25	8,790.27	37.99	232.406		
4,900.00	4,389.50	1,466.00	1,431.75	38.77	6.83	100.40	-7,411.17	2,208.53	8,878.88	8,840.10	38.78	228.976		
5,000.00	4,472.32	1,466.00	1,431.75	39.91	6.83	100.40	-7,411.17	2,208.53	8,930.34	8,890.79	39.56	225.769		
5,100.00	4,555.13	1,506.53	1,469.79	41.05	7.10	100.56	-7,424.69	2,212.14	8,982.24	8,941.67	40.57	221.417		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 2-8-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 43-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	1,553.00	1,513.16	42.18	7.42	100.75	-7,440.87	2,216.22	9,035.13	8,993.52	41.61	217.142		
5,300.00	4,720.76	1,553.00	1,513.16	43.32	7.42	100.75	-7,440.87	2,216.22	9,088.32	9,045.96	42.36	214.543		
5,400.00	4,803.57	1,553.00	1,513.16	44.46	7.42	100.75	-7,440.87	2,216.22	9,142.29	9,099.19	43.10	212.107		
5,500.00	4,886.39	1,553.00	1,513.16	45.60	7.42	100.75	-7,440.87	2,216.22	9,197.03	9,153.20	43.83	209.824		
5,600.00	4,969.20	1,598.98	1,555.84	46.74	7.74	100.93	-7,457.51	2,220.09	9,252.13	9,207.29	44.84	206.314		
5,700.00	5,052.01	1,640.00	1,593.77	47.88	8.03	101.10	-7,472.82	2,223.26	9,308.04	9,262.22	45.82	203.142		
5,800.00	5,134.83	1,640.00	1,593.77	49.02	8.03	101.10	-7,472.82	2,223.26	9,364.37	9,317.84	46.52	201.280		
5,900.00	5,217.64	1,665.79	1,617.55	50.16	8.22	101.20	-7,482.64	2,225.15	9,421.33	9,373.94	47.39	198.819		
6,000.00	5,300.45	1,693.57	1,643.11	51.30	8.42	101.31	-7,493.32	2,227.10	9,478.80	9,430.55	48.25	196.432		
6,100.00	5,383.27	1,728.00	1,674.74	52.45	8.67	101.45	-7,506.72	2,229.42	9,536.78	9,487.62	49.16	193.991		
6,200.00	5,466.08	2,449.11	2,345.93	53.59	13.76	104.23	-7,765.04	2,276.94	9,592.69	9,538.12	54.56	175.803		
6,300.00	5,548.90	6,300.00	2,437.85	54.73	39.33	104.60	-7,796.96	2,281.96	9,646.52	9,574.53	71.98	134.012		
6,400.00	5,631.71	2,695.57	2,578.90	55.87	15.39	105.16	-7,844.60	2,288.57	9,699.80	9,642.28	57.53	168.612		
6,500.00	5,714.52	2,718.36	2,600.46	57.02	15.54	105.24	-7,851.89	2,289.56	9,753.37	9,694.99	58.38	167.070		
6,600.00	5,797.34	2,745.99	2,626.57	58.16	15.72	105.34	-7,860.84	2,291.00	9,807.47	9,748.21	59.25	165.517		
6,700.00	5,880.15	2,775.00	2,653.91	59.30	15.91	105.44	-7,870.35	2,292.83	9,862.08	9,801.94	60.13	164.011		
6,800.00	5,962.96	2,858.67	2,732.69	60.45	16.48	105.74	-7,897.91	2,298.82	9,916.99	9,855.63	61.37	161.599		
6,900.00	6,045.78	3,077.11	2,939.03	61.59	17.94	106.51	-7,968.42	2,311.31	9,971.77	9,908.30	63.47	157.109		
9,400.00	7,730.00	8,023.14	7,743.53	78.26	39.85	89.50	-8,783.87	2,418.70	9,982.11	9,880.08	102.03	97.832		
9,500.00	7,730.00	8,023.53	7,743.92	77.89	39.85	89.52	-8,783.87	2,418.71	9,882.70	9,780.57	102.13	96.765		
9,600.00	7,730.00	8,023.92	7,744.31	77.53	39.85	89.54	-8,783.87	2,418.72	9,783.31	9,681.07	102.23	95.697		
9,700.00	7,730.00	8,024.31	7,744.70	77.19	39.85	89.56	-8,783.87	2,418.73	9,683.92	9,581.58	102.34	94.628		
9,800.00	7,730.00	8,024.70	7,745.09	76.88	39.85	89.58	-8,783.87	2,418.75	9,584.55	9,482.10	102.44	93.560		
9,900.00	7,730.00	8,025.10	7,745.49	76.58	39.85	89.60	-8,783.87	2,418.76	9,485.19	9,382.63	102.55	92.491		
10,000.00	7,730.00	8,025.50	7,745.88	76.30	39.85	89.62	-8,783.88	2,418.77	9,385.84	9,283.18	102.67	91.422		
10,100.00	7,730.00	8,025.90	7,746.28	76.04	39.85	89.64	-8,783.88	2,418.78	9,286.51	9,183.73	102.78	90.352		
10,200.00	7,730.00	8,026.30	7,746.68	75.79	39.85	89.66	-8,783.88	2,418.79	9,187.19	9,084.29	102.90	89.282		
10,300.00	7,730.00	8,026.70	7,747.09	75.57	39.85	89.69	-8,783.88	2,418.81	9,087.89	8,984.86	103.02	88.212		
10,400.00	7,730.00	8,027.11	7,747.50	75.36	39.86	89.71	-8,783.88	2,418.82	8,988.60	8,885.45	103.15	87.142		
10,500.00	7,730.00	8,027.52	7,747.90	75.18	39.86	89.73	-8,783.89	2,418.83	8,889.33	8,786.05	103.28	86.072		
10,600.00	7,730.00	8,027.93	7,748.32	75.01	39.86	89.75	-8,783.89	2,418.85	8,790.07	8,686.66	103.41	85.001		
10,700.00	7,730.00	8,028.35	7,748.73	74.86	39.86	89.77	-8,783.89	2,418.86	8,690.84	8,587.29	103.55	83.930		
10,800.00	7,730.00	8,028.76	7,749.15	74.74	39.86	89.79	-8,783.89	2,418.87	8,591.61	8,487.93	103.69	82.859		
10,900.00	7,730.00	8,029.18	7,749.56	74.64	39.86	89.82	-8,783.89	2,418.88	8,492.41	8,388.58	103.83	81.788		
11,000.00	7,730.00	8,029.60	7,749.99	74.56	39.86	89.84	-8,783.89	2,418.90	8,393.23	8,289.25	103.98	80.717		
11,100.00	7,730.00	8,030.03	7,750.41	74.51	39.86	89.86	-8,783.90	2,418.91	8,294.07	8,189.93	104.14	79.646		
11,200.00	7,730.00	8,030.45	7,750.84	74.48	39.86	89.88	-8,783.90	2,418.92	8,194.92	8,090.63	104.29	78.575		
11,300.00	7,730.00	8,030.88	7,751.26	74.48	39.86	89.91	-8,783.90	2,418.94	8,095.80	7,991.34	104.46	77.504		
11,400.00	7,730.00	8,031.31	7,751.69	74.50	39.87	89.93	-8,783.90	2,418.95	7,996.70	7,892.07	104.62	76.432		
11,500.00	7,730.00	8,031.75	7,752.13	74.56	39.87	89.95	-8,783.90	2,418.97	7,897.62	7,792.82	104.80	75.361		
11,600.00	7,730.00	8,032.18	7,752.56	74.66	39.87	89.98	-8,783.91	2,418.98	7,798.57	7,693.59	104.97	74.290		
11,700.00	7,730.00	8,032.62	7,753.00	74.79	39.87	90.00	-8,783.91	2,418.99	7,699.54	7,594.38	105.16	73.219		
11,800.00	7,730.00	8,033.06	7,753.44	74.96	39.87	90.02	-8,783.91	2,419.01	7,600.53	7,495.19	105.35	72.148		
11,900.00	7,730.00	8,033.51	7,753.89	75.17	39.87	90.05	-8,783.91	2,419.02	7,501.56	7,396.01	105.54	71.077		
12,000.00	7,730.00	8,033.95	7,754.34	75.43	39.87	90.07	-8,783.91	2,419.04	7,402.60	7,296.86	105.74	70.006		
12,100.00	7,730.00	8,034.40	7,754.79	75.73	39.87	90.10	-8,783.92	2,419.05	7,303.68	7,197.73	105.95	68.936		
12,200.00	7,730.00	8,034.86	7,755.24	76.09	39.87	90.12	-8,783.92	2,419.07	7,204.79	7,098.63	106.16	67.866		
12,300.00	7,730.00	8,035.31	7,755.69	76.51	39.88	90.14	-8,783.92	2,419.08	7,105.93	6,999.55	106.38	66.796		
12,400.00	7,730.00	8,035.77	7,756.15	76.97	39.88	90.17	-8,783.92	2,419.10	7,007.10	6,900.49	106.61	65.726		
12,500.00	7,730.00	8,036.23	7,756.61	77.50	39.88	90.19	-8,783.93	2,419.11	6,908.30	6,801.46	106.85	64.657		
12,600.00	7,730.00	8,036.69	7,757.07	78.09	39.88	90.22	-8,783.93	2,419.13	6,809.54	6,702.45	107.09	63.588		
12,700.00	7,730.00	8,037.16	7,757.54	78.74	39.88	90.24	-8,783.93	2,419.14	6,710.82	6,603.48	107.34	62.519		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 2-8-26 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 43-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,800.00	7,730.00	8,037.63	7,758.01	79.45	39.88	90.27	-8,783.93	2,419.16	6,612.13	6,504.54	107.60	61.451	
12,900.00	7,730.00	8,038.10	7,758.48	80.22	39.88	90.29	-8,783.93	2,419.17	6,513.49	6,405.62	107.87	60.384	
13,000.00	7,730.00	8,038.58	7,758.96	81.05	39.88	90.32	-8,783.94	2,419.19	6,414.89	6,306.74	108.15	59.317	
13,100.00	7,730.00	8,039.06	7,759.43	81.94	39.89	90.34	-8,783.94	2,419.21	6,316.33	6,207.89	108.43	58.251	
13,200.00	7,730.00	8,039.54	7,759.92	82.87	39.89	90.37	-8,783.94	2,419.22	6,217.81	6,109.08	108.73	57.185	
13,300.00	7,730.00	8,040.02	7,760.40	83.86	39.89	90.39	-8,783.94	2,419.24	6,119.35	6,010.31	109.04	56.120	
13,400.00	7,730.00	8,040.51	7,760.89	84.90	39.89	90.42	-8,783.95	2,419.25	6,020.93	5,911.57	109.36	55.056	
13,500.00	7,730.00	8,041.00	7,761.38	85.97	39.89	90.45	-8,783.95	2,419.27	5,922.57	5,812.88	109.69	53.992	
13,600.00	7,730.00	8,041.49	7,761.87	87.09	39.89	90.47	-8,783.95	2,419.29	5,824.27	5,714.23	110.04	52.930	
13,700.00	7,730.00	8,041.99	7,762.37	88.25	39.89	90.50	-8,783.95	2,419.30	5,726.02	5,615.62	110.39	51.868	
13,800.00	7,730.00	8,042.49	7,762.86	89.44	39.89	90.53	-8,783.96	2,419.32	5,627.83	5,517.07	110.77	50.808	
13,900.00	7,730.00	8,042.99	7,763.37	90.66	39.90	90.55	-8,783.96	2,419.34	5,529.71	5,418.56	111.15	49.749	
14,000.00	7,730.00	8,043.50	7,763.87	91.92	39.90	90.58	-8,783.96	2,419.36	5,431.66	5,320.11	111.55	48.691	
14,100.00	7,730.00	8,044.01	7,764.38	93.20	39.90	90.61	-8,783.96	2,419.37	5,333.68	5,221.71	111.97	47.634	
14,200.00	7,730.00	8,044.52	7,764.89	94.50	39.90	90.63	-8,783.97	2,419.39	5,235.78	5,123.37	112.41	46.578	
14,300.00	7,730.00	8,045.04	7,765.41	95.83	39.90	90.66	-8,783.97	2,419.41	5,137.95	5,025.09	112.86	45.524	
14,400.00	7,730.00	8,045.55	7,765.93	97.17	39.90	90.69	-8,783.97	2,419.43	5,040.22	4,926.88	113.34	44.472	
14,500.00	7,730.00	8,046.08	7,766.45	98.54	39.90	90.72	-8,783.97	2,419.44	4,942.57	4,828.74	113.83	43.421	
14,600.00	7,730.00	8,046.60	7,766.98	99.92	39.90	90.74	-8,783.98	2,419.46	4,845.02	4,730.67	114.34	42.372	
14,700.00	7,730.00	8,047.13	7,767.51	101.32	39.91	90.77	-8,783.98	2,419.48	4,747.57	4,632.69	114.88	41.325	
14,800.00	7,730.00	8,047.67	7,768.04	102.74	39.91	90.80	-8,783.98	2,419.50	4,650.23	4,534.78	115.45	40.280	
14,900.00	7,730.00	8,048.20	7,768.58	104.17	39.91	90.83	-8,783.98	2,419.52	4,553.00	4,436.97	116.04	39.238	
15,000.00	7,730.00	8,048.74	7,769.12	105.62	39.91	90.86	-8,783.99	2,419.54	4,455.90	4,339.25	116.65	38.198	
15,100.00	7,730.00	8,049.29	7,769.66	107.07	39.91	90.89	-8,783.99	2,419.56	4,358.93	4,241.63	117.30	37.160	
15,200.00	7,730.00	8,049.83	7,770.21	108.54	39.91	90.92	-8,783.99	2,419.58	4,262.10	4,144.12	117.98	36.125	
15,300.00	7,730.00	8,050.39	7,770.76	110.02	39.91	90.95	-8,784.00	2,419.60	4,165.41	4,046.72	118.69	35.094	
15,400.00	7,730.00	8,050.94	7,771.31	111.51	39.91	90.97	-8,784.00	2,419.62	4,068.89	3,949.45	119.44	34.065	
15,500.00	7,730.00	8,051.50	7,771.87	113.01	39.92	91.00	-8,784.00	2,419.64	3,972.54	3,852.31	120.23	33.040	
15,600.00	7,730.00	8,052.06	7,772.43	114.52	39.92	91.03	-8,784.01	2,419.66	3,876.38	3,755.31	121.06	32.019	
15,700.00	7,730.00	8,052.63	7,773.00	116.04	39.92	91.06	-8,784.01	2,419.68	3,780.41	3,658.47	121.94	31.002	
15,800.00	7,730.00	8,053.20	7,773.57	117.56	39.92	91.10	-8,784.01	2,419.70	3,684.66	3,561.79	122.87	29.989	
15,900.00	7,730.00	8,053.77	7,774.14	119.09	39.92	91.13	-8,784.01	2,419.72	3,589.14	3,465.29	123.84	28.981	
16,000.00	7,730.00	8,054.35	7,774.72	120.63	39.92	91.16	-8,784.02	2,419.74	3,493.87	3,368.99	124.88	27.979	
16,100.00	7,730.00	8,054.93	7,775.30	122.18	39.92	91.19	-8,784.02	2,419.76	3,398.87	3,272.90	125.97	26.982	
16,200.00	7,730.00	8,055.52	7,775.89	123.73	39.93	91.22	-8,784.02	2,419.78	3,304.17	3,177.04	127.13	25.990	
16,300.00	7,730.00	8,056.11	7,776.47	125.29	39.93	91.25	-8,784.03	2,419.80	3,209.78	3,081.42	128.36	25.006	
16,400.00	7,730.00	8,056.70	7,777.07	126.86	39.93	91.28	-8,784.03	2,419.82	3,115.75	2,986.08	129.67	24.029	
16,500.00	7,730.00	8,057.30	7,777.67	128.43	39.93	91.31	-8,784.03	2,419.85	3,022.10	2,891.05	131.06	23.059	
16,600.00	7,730.00	8,057.90	7,778.27	130.01	39.93	91.35	-8,784.04	2,419.87	2,928.88	2,796.34	132.54	22.098	
16,700.00	7,730.00	8,058.51	7,778.87	131.59	39.93	91.38	-8,784.04	2,419.89	2,836.11	2,701.99	134.12	21.146	
16,800.00	7,730.00	8,059.12	7,779.48	133.18	39.94	91.41	-8,784.04	2,419.91	2,743.85	2,608.05	135.80	20.204	
16,900.00	7,730.00	8,059.73	7,780.10	134.77	39.94	91.44	-8,784.05	2,419.94	2,652.15	2,514.55	137.61	19.274	
17,000.00	7,730.00	8,060.35	7,780.72	136.37	39.94	91.48	-8,784.05	2,419.96	2,561.08	2,421.54	139.53	18.355	
17,100.00	7,730.00	8,060.98	7,781.34	137.97	39.94	91.51	-8,784.05	2,419.98	2,470.69	2,329.09	141.60	17.449	
17,200.00	7,730.00	8,061.61	7,781.97	139.57	39.94	91.54	-8,784.06	2,420.01	2,381.07	2,237.27	143.81	16.558	
17,300.00	7,730.00	8,062.24	7,782.60	141.18	39.94	91.58	-8,784.06	2,420.03	2,292.31	2,146.14	146.18	15.682	
17,400.00	7,730.00	8,062.88	7,783.24	142.79	39.94	91.61	-8,784.06	2,420.05	2,204.52	2,055.80	148.72	14.823	
17,500.00	7,730.00	8,063.52	7,783.88	144.41	39.95	91.64	-8,784.07	2,420.08	2,117.80	1,966.35	151.45	13.984	
17,600.00	7,730.00	8,064.16	7,784.53	146.03	39.95	91.68	-8,784.07	2,420.10	2,032.31	1,877.93	154.37	13.165	
17,700.00	7,730.00	8,064.82	7,785.18	147.65	39.95	91.71	-8,784.07	2,420.13	1,948.20	1,790.68	157.51	12.368	
17,800.00	7,730.00	8,065.47	7,785.83	149.28	39.95	91.75	-8,784.08	2,420.15	1,865.65	1,704.78	160.87	11.597	
17,900.00	7,730.00	8,066.13	7,786.49	150.91	39.95	91.78	-8,784.08	2,420.18	1,784.90	1,620.43	164.46	10.853	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 26-T1N-R68W - EXIST HZ CRANDELL 2-8-26 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 43-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,000.00	7,730.00	8,066.80	7,787.16	152.54	39.95	91.82	-8,784.09	2,420.20	1,706.18	1,537.89	168.29	10.138	
18,100.00	7,730.00	8,067.47	7,787.83	154.18	39.96	91.85	-8,784.09	2,420.23	1,629.79	1,457.45	172.34	9.457	
18,200.00	7,730.00	8,068.15	7,788.51	155.82	39.96	91.89	-8,784.09	2,420.26	1,556.09	1,379.48	176.61	8.811	
18,300.00	7,730.00	8,068.83	7,789.19	157.46	39.96	91.93	-8,784.10	2,420.28	1,485.47	1,304.39	181.07	8.204	
18,400.00	7,730.00	8,069.51	7,789.87	159.11	39.96	91.96	-8,784.10	2,420.31	1,418.38	1,232.71	185.66	7.639	
18,500.00	7,730.00	8,070.20	7,790.56	160.75	39.96	92.00	-8,784.11	2,420.34	1,355.35	1,165.04	190.32	7.122	
18,600.00	7,730.00	8,070.90	7,791.26	162.40	39.96	92.04	-8,784.11	2,420.36	1,296.98	1,102.06	194.92	6.654	
18,700.00	7,730.00	8,071.60	7,791.96	164.05	39.97	92.07	-8,784.11	2,420.39	1,243.93	1,044.60	199.33	6.241	
18,800.00	7,730.00	8,072.31	7,792.66	165.71	39.97	92.11	-8,784.12	2,420.42	1,196.89	993.54	203.35	5.886	
18,900.00	7,730.00	8,073.02	7,793.38	167.36	39.97	92.15	-8,784.12	2,420.45	1,156.60	949.84	206.76	5.594	
18,942.39	7,730.00	8,073.32	7,793.68	168.07	39.97	92.17	-8,784.12	2,420.46	1,141.74	933.77	207.97	5.490 CC, ES, SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 4-6-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	163.36	-7,118.83	2,127.79	7,430.06					
100.00	100.00	43.57	43.57	0.13	0.08	163.36	-7,118.94	2,128.22	7,430.68	7,430.48	0.20	N/A		
200.00	200.00	74.00	73.98	0.49	0.14	163.35	-7,119.16	2,129.04	7,432.19	7,431.58	0.61	N/A		
300.00	300.00	118.68	118.63	0.85	0.29	163.34	-7,119.72	2,130.70	7,434.52	7,433.40	1.13	6,596.709		
400.00	400.00	166.00	165.89	1.21	0.45	163.33	-7,120.69	2,132.81	7,437.69	7,436.03	1.66	4,488.153		
500.00	500.00	219.86	219.66	1.57	0.65	163.31	-7,122.03	2,135.67	7,441.53	7,439.32	2.21	3,361.681		
600.00	600.00	303.48	303.08	1.93	0.97	163.27	-7,124.08	2,141.21	7,445.78	7,442.90	2.88	2,584.624		
700.00	700.00	349.00	348.43	2.29	1.14	163.25	-7,125.01	2,144.86	7,450.27	7,446.86	3.41	2,185.998		
800.00	800.00	408.45	407.63	2.64	1.37	163.21	-7,126.46	2,150.17	7,455.35	7,451.36	3.99	1,867.658		
900.00	899.98	440.00	439.02	3.00	1.49	103.48	-7,127.49	2,153.20	7,461.75	7,457.28	4.47	1,671.076		
1,000.00	999.84	475.22	474.01	3.35	1.64	103.31	-7,128.86	2,156.92	7,469.85	7,464.89	4.96	1,507.329		
1,100.00	1,099.45	533.00	531.28	3.71	1.88	103.12	-7,131.65	2,164.09	7,479.85	7,474.31	5.54	1,350.202		
1,200.00	1,198.70	539.22	537.43	4.08	1.90	102.89	-7,131.98	2,164.94	7,491.22	7,485.29	5.93	1,263.051		
1,300.00	1,297.47	625.00	622.14	4.47	2.27	102.66	-7,136.31	2,177.69	7,503.98	7,497.32	6.66	1,126.051		
1,400.00	1,395.62	676.12	672.48	4.87	2.51	102.40	-7,138.80	2,186.28	7,517.93	7,510.65	7.28	1,032.160		
1,500.00	1,493.06	728.24	723.63	5.31	2.75	102.12	-7,141.46	2,195.89	7,533.29	7,525.36	7.94	949.364		
1,600.00	1,589.64	805.00	798.57	5.77	3.12	101.83	-7,145.03	2,212.08	7,549.78	7,541.03	8.74	863.566		
1,700.00	1,685.27	838.29	830.92	6.28	3.30	101.50	-7,146.55	2,219.80	7,567.55	7,558.16	9.39	805.634		
1,800.00	1,779.82	893.00	883.90	6.83	3.59	101.16	-7,149.56	2,233.10	7,586.99	7,576.80	10.19	744.507		
1,900.00	1,873.17	893.00	883.90	7.43	3.59	100.74	-7,149.56	2,233.10	7,607.74	7,596.98	10.76	707.186		
2,000.00	1,965.21	954.05	942.70	8.08	3.93	100.37	-7,153.29	2,249.09	7,629.90	7,618.20	11.70	652.227		
2,100.00	2,055.84	996.24	983.09	8.79	4.17	99.95	-7,155.89	2,261.00	7,653.34	7,640.74	12.60	607.626		
2,200.00	2,144.94	1,031.00	1,016.18	9.56	4.38	99.50	-7,158.14	2,271.40	7,678.14	7,664.62	13.51	568.229		
2,300.00	2,232.39	1,068.92	1,052.14	10.39	4.62	99.03	-7,160.76	2,283.17	7,704.26	7,689.75	14.51	530.856		
2,400.00	2,318.11	1,135.28	1,114.90	11.30	5.05	98.60	-7,165.70	2,304.15	7,731.60	7,715.85	15.75	490.913		
2,500.00	2,405.78	1,183.00	1,160.11	12.31	5.36	98.09	-7,169.29	2,318.99	7,760.98	7,744.01	16.98	457.155		
2,600.00	2,484.79	1,233.68	1,208.02	13.28	5.70	98.21	-7,173.30	2,335.01	7,788.57	7,770.38	18.19	428.232		
2,700.00	2,567.60	1,270.00	1,242.17	14.32	5.94	98.29	-7,176.44	2,346.99	7,818.37	7,799.00	19.36	403.784		
2,800.00	2,650.41	1,500.51	1,458.16	15.37	7.57	98.78	-7,194.51	2,425.41	7,848.15	7,826.25	21.91	358.259		
2,900.00	2,733.23	1,568.96	1,522.18	16.44	8.06	98.92	-7,198.96	2,449.23	7,876.82	7,853.46	23.36	337.180		
3,000.00	2,816.04	1,619.00	1,568.88	17.52	8.43	99.01	-7,202.48	2,466.86	7,906.10	7,881.40	24.69	320.164		
3,100.00	2,898.85	1,719.58	1,662.50	18.60	9.18	99.21	-7,209.57	2,502.91	7,935.66	7,909.24	26.42	300.409		
3,200.00	2,981.67	1,800.64	1,737.87	19.69	9.79	99.36	-7,215.20	2,532.22	7,965.27	7,937.27	28.01	284.407		
3,300.00	3,064.48	1,894.37	1,824.98	20.79	10.50	99.53	-7,221.73	2,566.20	7,995.01	7,965.30	29.70	269.162		
3,400.00	3,147.30	1,968.00	1,893.34	21.90	11.06	99.67	-7,226.85	2,593.07	8,024.88	7,993.62	31.25	256.762		
3,500.00	3,230.11	2,021.56	1,943.01	23.00	11.48	99.77	-7,230.75	2,612.72	8,055.16	8,022.51	32.65	246.689		
3,600.00	3,312.92	2,083.98	2,000.86	24.12	11.96	99.88	-7,235.65	2,635.65	8,085.99	8,051.87	34.12	236.973		
3,700.00	3,395.74	2,177.64	2,087.76	25.23	12.68	100.05	-7,243.15	2,669.78	8,116.99	8,081.15	35.84	226.493		
3,800.00	3,478.55	2,230.00	2,136.46	26.35	13.09	100.15	-7,247.44	2,688.53	8,148.15	8,110.93	37.22	218.901		
3,900.00	3,561.36	2,289.70	2,192.01	27.47	13.54	100.26	-7,252.63	2,709.78	8,179.77	8,141.11	38.66	211.570		
4,000.00	3,644.18	4,000.00	2,278.94	28.59	26.76	100.43	-7,261.15	2,743.35	8,211.82	8,159.95	51.87	158.308		
4,100.00	3,726.99	2,492.00	2,379.84	29.72	15.11	100.63	-7,270.52	2,782.75	8,243.54	8,201.32	42.22	195.250		
4,200.00	3,809.81	2,535.65	2,420.35	30.85	15.44	100.71	-7,274.44	2,798.51	8,275.71	8,232.18	43.53	190.107		
4,300.00	3,892.62	2,579.00	2,460.68	31.98	15.78	100.79	-7,278.75	2,813.83	8,308.55	8,263.71	44.84	185.308		
4,400.00	3,975.43	2,701.31	2,574.49	33.11	16.72	101.02	-7,290.83	2,856.95	8,341.40	8,294.62	46.78	178.316		
4,500.00	4,058.25	2,770.87	2,639.10	34.24	17.26	101.14	-7,297.70	2,881.79	8,374.43	8,326.13	48.30	173.389		
4,600.00	4,141.06	2,877.48	2,737.83	35.37	18.10	101.33	-7,307.92	2,920.72	8,407.44	8,357.31	50.14	167.681		
4,700.00	4,223.87	2,989.37	2,841.38	36.50	18.98	101.52	-7,318.55	2,961.73	8,440.51	8,388.48	52.03	162.232		
4,800.00	4,306.69	3,116.21	2,959.26	37.64	19.97	101.74	-7,330.26	3,007.05	8,473.14	8,419.11	54.03	156.811		
4,900.00	4,389.50	3,184.53	3,022.41	38.77	20.51	101.86	-7,336.34	3,032.40	8,505.86	8,450.29	55.56	153.085		
5,000.00	4,472.32	3,298.62	3,128.05	39.91	21.42	102.05	-7,346.53	3,074.28	8,538.56	8,481.08	57.48	148.539		
5,100.00	4,555.13	3,365.00	3,189.48	41.05	21.94	102.15	-7,352.53	3,098.69	8,571.44	8,512.45	58.99	145.304		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 4-6-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	3,408.08	3,229.27	42.18	22.29	102.22	-7,356.57	3,114.71	8,604.75	8,544.46	60.29	142.715		
5,300.00	4,720.76	3,452.00	3,269.86	43.32	22.64	102.30	-7,360.94	3,130.90	8,638.61	8,577.01	61.60	140.240		
5,400.00	4,803.57	3,504.37	3,318.30	44.46	23.05	102.38	-7,366.46	3,150.02	8,672.98	8,610.02	62.97	137.735		
5,500.00	4,886.39	3,736.27	3,532.53	45.60	24.92	102.76	-7,389.43	3,235.76	8,706.96	8,641.01	65.95	132.024		
5,600.00	4,969.20	3,782.75	3,575.34	46.74	25.30	102.83	-7,393.68	3,253.35	8,740.42	8,673.13	67.29	129.901		
5,700.00	5,052.01	3,802.00	3,593.04	47.88	25.45	102.85	-7,395.49	3,260.69	8,774.48	8,706.12	68.37	128.347		
5,800.00	5,134.83	3,844.93	3,632.52	49.02	25.81	102.92	-7,399.86	3,276.99	8,809.15	8,739.50	69.65	126.470		
5,900.00	5,217.64	4,896.81	4,633.57	50.16	32.65	105.03	-7,472.39	3,582.82	8,837.45	8,759.10	78.35	112.793		
6,000.00	5,300.45	6,000.00	4,990.76	51.30	36.85	106.02	-7,480.91	3,639.49	8,860.61	8,776.88	83.73	105.825		
6,100.00	5,383.27	5,356.30	5,087.79	52.45	34.48	106.31	-7,482.56	3,650.13	8,883.26	8,800.82	82.44	107.755		
6,200.00	5,466.08	5,416.67	5,147.92	53.59	34.67	106.49	-7,483.94	3,655.42	8,906.32	8,822.66	83.66	106.456		
6,300.00	5,548.90	5,688.63	5,419.55	54.73	35.34	107.40	-7,490.04	3,665.70	8,929.04	8,843.60	85.43	104.513		
6,400.00	5,631.71	5,804.29	5,535.19	55.87	35.58	107.81	-7,491.62	3,666.57	8,950.79	8,864.07	86.72	103.215		
6,500.00	5,714.52	5,906.68	5,637.57	57.02	35.78	108.16	-7,492.81	3,667.17	8,972.67	8,884.71	87.96	102.004		
6,600.00	5,797.34	6,055.86	5,786.75	58.16	36.09	108.68	-7,493.85	3,667.75	8,994.44	8,905.13	89.31	100.708		
6,700.00	5,880.15	6,148.16	5,879.05	59.30	36.27	109.00	-7,494.11	3,667.81	9,016.13	8,925.62	90.52	99.606		
6,800.00	5,962.96	6,233.62	5,964.51	60.45	36.43	109.29	-7,494.37	3,667.51	9,038.09	8,946.39	91.70	98.559		
6,900.00	6,045.78	6,453.21	6,184.09	61.59	36.85	110.05	-7,493.43	3,666.58	9,059.80	8,966.64	93.16	97.247		
7,000.00	6,128.59	6,536.28	6,267.16	62.73	37.02	110.33	-7,492.49	3,666.35	9,081.19	8,986.84	94.34	96.256		
7,100.00	6,211.41	6,642.12	6,372.99	63.88	37.23	110.69	-7,491.04	3,666.10	9,102.67	9,007.11	95.57	95.248		
7,200.00	6,294.22	6,753.67	6,484.52	65.02	37.46	111.07	-7,489.16	3,666.10	9,124.20	9,027.40	96.80	94.254		
7,300.00	6,377.03	6,880.32	6,611.14	66.17	37.73	111.49	-7,486.50	3,666.38	9,145.70	9,047.62	98.08	93.251		
7,400.00	6,459.85	6,982.23	6,713.02	67.31	37.95	111.82	-7,483.94	3,666.73	9,167.12	9,067.83	99.29	92.326		
7,500.00	6,542.66	7,057.67	6,788.44	68.46	38.12	112.07	-7,482.02	3,667.28	9,188.84	9,088.39	100.44	91.482		
7,600.00	6,625.48	7,135.17	6,865.90	69.60	38.29	112.32	-7,480.09	3,668.18	9,210.90	9,109.30	101.60	90.660		
7,700.00	6,708.29	7,220.18	6,950.88	70.75	38.49	112.60	-7,477.97	3,669.35	9,233.24	9,130.47	102.77	89.840		
7,800.00	6,791.10	7,305.33	7,035.99	71.89	38.69	112.87	-7,475.83	3,670.64	9,255.83	9,151.89	103.94	89.047		
7,900.00	6,873.92	7,357.60	7,088.23	73.04	38.82	113.03	-7,474.62	3,671.54	9,278.85	9,173.82	105.03	88.345		
8,000.00	6,956.73	7,413.77	7,144.39	74.18	38.96	113.21	-7,473.47	3,672.63	9,302.37	9,196.25	106.12	87.661		
8,100.00	7,039.54	7,468.00	7,198.60	75.33	39.10	113.38	-7,472.51	3,673.80	9,326.39	9,219.20	107.19	87.005		
8,165.32	7,093.63	7,507.58	7,238.16	76.08	39.20	113.51	-7,471.91	3,674.74	9,342.35	9,234.44	107.91	86.576		
8,200.00	7,122.60	7,527.70	7,258.27	76.47	39.25	108.78	-7,471.63	3,675.24	9,349.89	9,241.61	108.29	86.343		
8,250.00	7,165.05	7,557.16	7,287.71	77.01	39.33	101.24	-7,471.25	3,676.00	9,357.24	9,248.40	108.84	85.976		
8,300.00	7,208.03	7,586.98	7,317.52	77.52	39.41	93.05	-7,470.91	3,676.82	9,360.37	9,250.99	109.38	85.574		
8,350.00	7,251.22	7,616.95	7,347.48	77.99	39.49	84.57	-7,470.62	3,677.67	9,359.28	9,249.36	109.92	85.144		
8,400.00	7,294.28	7,643.00	7,373.52	78.41	39.56	76.23	-7,470.40	3,678.45	9,353.96	9,243.53	110.44	84.701		
8,450.00	7,336.90	7,677.50	7,408.00	78.78	39.65	68.46	-7,470.15	3,679.50	9,344.46	9,233.50	110.96	84.216		
8,500.00	7,378.73	7,707.47	7,437.96	79.10	39.73	61.47	-7,469.98	3,680.40	9,330.82	9,219.38	111.44	83.728		
8,550.00	7,419.47	7,736.66	7,467.13	79.37	39.81	55.38	-7,469.85	3,681.28	9,313.16	9,201.26	111.90	83.229		
8,600.00	7,458.81	7,764.86	7,495.32	79.59	39.89	50.17	-7,469.76	3,682.12	9,291.59	9,179.27	112.32	82.723		
8,650.00	7,496.44	7,791.87	7,522.32	79.76	39.96	45.78	-7,469.71	3,682.93	9,266.27	9,153.56	112.71	82.212		
8,700.00	7,532.08	7,817.93	7,548.37	79.88	40.03	42.09	-7,469.70	3,683.70	9,237.37	9,124.30	113.07	81.697		
8,750.00	7,565.46	7,864.00	7,594.42	79.95	40.15	39.07	-7,469.66	3,685.02	9,205.06	9,091.61	113.46	81.134		
8,800.00	7,596.33	7,906.39	7,636.80	79.98	40.27	36.55	-7,469.58	3,686.15	9,169.54	9,055.74	113.80	80.576		
8,850.00	7,624.44	7,944.81	7,675.20	79.97	40.37	34.43	-7,469.46	3,687.12	9,131.08	9,016.98	114.10	80.026		
8,900.00	7,649.59	7,978.98	7,709.37	79.93	40.46	32.64	-7,469.32	3,687.92	9,089.99	8,975.62	114.36	79.485		
8,950.00	7,671.59	8,046.90	7,777.26	79.84	40.65	31.33	-7,468.86	3,689.50	9,046.53	8,931.84	114.69	78.875		
9,000.00	7,690.26	8,127.53	7,857.85	79.73	40.86	30.40	-7,467.80	3,691.66	9,000.98	8,885.94	115.04	78.245		
9,050.00	7,705.47	8,190.46	7,920.75	79.59	41.03	29.63	-7,466.58	3,693.56	8,953.72	8,838.43	115.30	77.658		
9,100.00	7,717.09	9,100.00	7,846.88	79.43	43.49	27.20	-7,467.70	3,691.50	8,905.10	8,787.27	117.83	75.576		
9,150.00	7,725.04	9,150.00	7,854.33	79.26	43.62	24.32	-7,467.61	3,691.69	8,855.79	8,737.79	118.00	75.052		
9,200.00	7,729.27	9,200.00	7,857.99	79.06	43.76	9.05	-7,467.56	3,691.79	8,805.96	8,687.81	118.14	74.537		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 4-6-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	9,231.13	7,858.34	78.93	43.84	-118.80	-7,467.56	3,691.80	8,774.83	8,656.60	118.22	74.222		
9,300.00	7,730.00	9,300.00	7,857.48	78.65	44.03	-118.60	-7,467.57	3,691.78	8,705.98	8,587.59	118.40	73.532		
9,400.00	7,730.00	9,400.00	7,856.22	78.26	44.30	-118.32	-7,467.59	3,691.74	8,606.02	8,487.37	118.65	72.534		
9,500.00	7,730.00	9,500.00	7,854.96	77.89	44.57	-118.03	-7,467.60	3,691.71	8,506.05	8,387.15	118.90	71.539		
9,600.00	7,730.00	9,600.00	7,853.70	77.53	44.84	-117.74	-7,467.62	3,691.68	8,406.08	8,286.93	119.15	70.550		
9,700.00	7,730.00	9,700.00	7,852.45	77.19	45.11	-117.45	-7,467.63	3,691.64	8,306.12	8,186.71	119.40	69.564		
9,800.00	7,730.00	9,800.00	7,851.19	76.88	45.38	-117.15	-7,467.65	3,691.61	8,206.15	8,086.50	119.65	68.583		
9,900.00	7,730.00	9,900.00	7,849.93	76.58	45.65	-116.86	-7,467.66	3,691.58	8,106.18	7,986.28	119.90	67.606		
10,000.00	7,730.00	8,202.99	7,933.27	76.30	41.07	-132.93	-7,466.29	3,693.96	8,006.34	7,891.09	115.25	69.471		
10,100.00	7,730.00	8,195.78	7,926.07	76.04	41.05	-131.80	-7,466.46	3,693.73	7,906.40	7,791.19	115.20	68.631		
10,200.00	7,730.00	8,188.96	7,919.24	75.79	41.03	-130.69	-7,466.61	3,693.51	7,806.45	7,691.29	115.16	67.789		
10,300.00	7,730.00	8,182.47	7,912.77	75.57	41.01	-129.60	-7,466.75	3,693.31	7,706.50	7,591.39	115.11	66.947		
10,400.00	7,730.00	8,176.32	7,906.61	75.36	41.00	-128.53	-7,466.88	3,693.12	7,606.56	7,491.48	115.07	66.104		
10,500.00	7,730.00	8,170.45	7,900.76	75.18	40.98	-127.47	-7,467.00	3,692.94	7,506.61	7,391.58	115.03	65.259		
10,600.00	7,730.00	8,164.87	7,895.18	75.01	40.97	-126.44	-7,467.12	3,692.76	7,406.66	7,291.67	114.99	64.414		
10,700.00	7,730.00	8,159.55	7,889.85	74.86	40.95	-125.42	-7,467.22	3,692.60	7,306.71	7,191.77	114.94	63.568		
10,800.00	7,730.00	8,154.46	7,884.77	74.74	40.94	-124.43	-7,467.32	3,692.45	7,206.76	7,091.86	114.90	62.722		
10,900.00	7,730.00	8,149.60	7,879.92	74.64	40.92	-123.45	-7,467.41	3,692.30	7,106.82	6,991.96	114.86	61.874		
11,000.00	7,730.00	8,144.95	7,875.27	74.56	40.91	-122.49	-7,467.49	3,692.17	7,006.87	6,892.05	114.82	61.026		
11,100.00	7,730.00	8,140.50	7,870.82	74.51	40.90	-121.56	-7,467.57	3,692.03	6,906.92	6,792.15	114.78	60.178		
11,200.00	7,730.00	8,136.23	7,866.55	74.48	40.89	-120.64	-7,467.65	3,691.91	6,806.98	6,692.24	114.73	59.329		
11,300.00	7,730.00	8,132.14	7,862.46	74.48	40.88	-119.74	-7,467.72	3,691.79	6,707.03	6,592.34	114.69	58.479		
11,400.00	7,730.00	8,128.20	7,858.53	74.50	40.87	-118.86	-7,467.79	3,691.68	6,607.08	6,492.43	114.65	57.629		
11,500.00	7,730.00	8,124.43	7,854.75	74.56	40.86	-118.00	-7,467.85	3,691.57	6,507.14	6,392.53	114.61	56.778		
11,600.00	7,730.00	8,120.79	7,851.12	74.66	40.85	-117.16	-7,467.91	3,691.46	6,407.20	6,292.63	114.56	55.927		
11,700.00	7,730.00	8,117.29	7,847.63	74.79	40.84	-116.33	-7,467.96	3,691.37	6,307.25	6,192.73	114.52	55.075		
11,800.00	7,730.00	8,113.92	7,844.26	74.96	40.83	-115.53	-7,468.02	3,691.27	6,207.31	6,092.83	114.48	54.223		
11,900.00	7,730.00	8,110.68	7,841.01	75.17	40.82	-114.74	-7,468.07	3,691.18	6,107.37	5,992.94	114.43	53.371		
12,000.00	7,730.00	8,107.55	7,837.88	75.43	40.81	-113.97	-7,468.11	3,691.09	6,007.43	5,893.04	114.39	52.518		
12,100.00	7,730.00	8,104.52	7,834.86	75.73	40.80	-113.22	-7,468.16	3,691.01	5,907.49	5,793.15	114.34	51.665		
12,200.00	7,730.00	8,101.61	7,831.95	76.09	40.79	-112.48	-7,468.20	3,690.93	5,807.55	5,693.26	114.30	50.812		
12,300.00	7,730.00	8,098.79	7,829.13	76.51	40.79	-111.77	-7,468.24	3,690.85	5,707.62	5,593.37	114.25	49.958		
12,400.00	7,730.00	8,096.06	7,826.40	76.97	40.78	-111.06	-7,468.28	3,690.78	5,607.68	5,493.48	114.20	49.104		
12,500.00	7,730.00	8,093.42	7,823.77	77.50	40.77	-110.38	-7,468.31	3,690.71	5,507.75	5,393.60	114.15	48.250		
12,600.00	7,730.00	8,090.87	7,821.22	78.09	40.77	-109.71	-7,468.35	3,690.64	5,407.82	5,293.72	114.10	47.396		
12,700.00	7,730.00	8,088.40	7,818.75	78.74	40.76	-109.05	-7,468.38	3,690.57	5,307.89	5,193.84	114.05	46.541		
12,800.00	7,730.00	8,086.00	7,816.35	79.45	40.75	-108.41	-7,468.41	3,690.51	5,207.96	5,093.97	113.99	45.687		
12,900.00	7,730.00	8,083.68	7,814.03	80.22	40.75	-107.79	-7,468.44	3,690.44	5,108.04	4,994.10	113.94	44.832		
13,000.00	7,730.00	8,081.43	7,811.78	81.05	40.74	-107.17	-7,468.47	3,690.38	5,008.11	4,894.23	113.88	43.976		
13,100.00	7,730.00	8,079.25	7,809.60	81.94	40.73	-106.58	-7,468.50	3,690.33	4,908.20	4,794.37	113.82	43.121		
13,200.00	7,730.00	8,077.13	7,807.48	82.87	40.73	-105.99	-7,468.53	3,690.27	4,808.28	4,694.52	113.76	42.266		
13,300.00	7,730.00	8,075.07	7,805.42	83.86	40.72	-105.42	-7,468.55	3,690.22	4,708.36	4,594.66	113.70	41.410		
13,400.00	7,730.00	8,073.07	7,803.42	84.90	40.72	-104.86	-7,468.58	3,690.16	4,608.45	4,494.82	113.64	40.555		
13,500.00	7,730.00	8,071.12	7,801.48	85.97	40.71	-104.32	-7,468.60	3,690.11	4,508.55	4,394.98	113.57	39.699		
13,600.00	7,730.00	8,069.23	7,799.59	87.09	40.71	-103.79	-7,468.62	3,690.06	4,408.64	4,295.14	113.50	38.843		
13,700.00	7,730.00	8,067.39	7,797.75	88.25	40.70	-103.26	-7,468.64	3,690.02	4,308.74	4,195.32	113.43	37.987		
13,800.00	7,730.00	8,065.60	7,795.96	89.44	40.70	-102.75	-7,468.66	3,689.97	4,208.85	4,095.50	113.35	37.131		
13,900.00	7,730.00	8,063.86	7,794.22	90.66	40.69	-102.26	-7,468.68	3,689.93	4,108.96	3,995.69	113.27	36.275		
14,000.00	7,730.00	8,062.17	7,792.52	91.92	40.69	-101.77	-7,468.70	3,689.88	4,009.07	3,895.88	113.19	35.419		
14,100.00	7,730.00	8,060.51	7,790.87	93.20	40.68	-101.29	-7,468.72	3,689.84	3,909.19	3,796.09	113.10	34.564		
14,200.00	7,730.00	8,058.90	7,789.26	94.50	40.68	-100.83	-7,468.74	3,689.80	3,809.32	3,696.31	113.01	33.708		
14,300.00	7,730.00	8,057.33	7,787.69	95.83	40.68	-100.37	-7,468.75	3,689.76	3,709.45	3,596.53	112.91	32.852		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													SEC 26-T1N-R68W - EXIST HZ CRANDELL 4-6-26 - OWB - FINAL SURVEY		Offset Site Error: 0.00 usft	
Survey Program: 74-MWD OWSG													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
14,400.00	7,730.00	8,055.80	7,786.16	97.17	40.67	-99.92	-7,468.77	3,689.72	3,609.59	3,496.77	112.81	31.996				
14,500.00	7,730.00	8,054.31	7,784.67	98.54	40.67	-99.49	-7,468.78	3,689.68	3,509.73	3,397.02	112.71	31.140				
14,600.00	7,730.00	8,052.85	7,783.22	99.92	40.66	-99.06	-7,468.80	3,689.65	3,409.89	3,297.29	112.60	30.284				
14,700.00	7,730.00	8,051.43	7,781.80	101.32	40.66	-98.64	-7,468.81	3,689.61	3,310.05	3,197.57	112.48	29.429				
14,800.00	7,730.00	8,050.05	7,780.41	102.74	40.66	-98.23	-7,468.83	3,689.58	3,210.22	3,097.87	112.35	28.573				
14,900.00	7,730.00	8,048.69	7,779.05	104.17	40.65	-97.83	-7,468.84	3,689.54	3,110.41	2,998.19	112.22	27.717				
15,000.00	7,730.00	8,047.37	7,777.73	105.62	40.65	-97.44	-7,468.85	3,689.51	3,010.60	2,898.52	112.08	26.862				
15,100.00	7,730.00	8,046.07	7,776.44	107.07	40.65	-97.06	-7,468.87	3,689.48	2,910.81	2,798.88	111.92	26.007				
15,200.00	7,730.00	8,044.81	7,775.17	108.54	40.64	-96.68	-7,468.88	3,689.45	2,811.03	2,699.27	111.76	25.152				
15,300.00	7,730.00	8,043.57	7,773.94	110.02	40.64	-96.31	-7,468.89	3,689.42	2,711.27	2,599.68	111.59	24.297				
15,400.00	7,730.00	8,042.37	7,772.73	111.51	40.64	-95.95	-7,468.90	3,689.39	2,611.53	2,500.12	111.40	23.442				
15,500.00	7,730.00	8,041.18	7,771.55	113.01	40.63	-95.60	-7,468.91	3,689.36	2,511.80	2,400.60	111.20	22.588				
15,600.00	7,730.00	8,040.03	7,770.39	114.52	40.63	-95.25	-7,468.92	3,689.33	2,412.10	2,301.11	110.99	21.733				
15,700.00	7,730.00	8,038.90	7,769.26	116.04	40.63	-94.91	-7,468.93	3,689.30	2,312.42	2,201.67	110.75	20.879				
15,800.00	7,730.00	8,037.79	7,768.16	117.56	40.62	-94.58	-7,468.94	3,689.27	2,212.78	2,102.28	110.50	20.025				
15,900.00	7,730.00	8,036.70	7,767.07	119.09	40.62	-94.26	-7,468.95	3,689.25	2,113.16	2,002.94	110.22	19.172				
16,000.00	7,730.00	8,035.64	7,766.01	120.63	40.62	-93.94	-7,468.96	3,689.22	2,013.58	1,903.66	109.92	18.318				
16,100.00	7,730.00	8,034.60	7,764.97	122.18	40.61	-93.62	-7,468.97	3,689.20	1,914.05	1,804.46	109.59	17.465				
16,200.00	7,730.00	8,033.58	7,763.95	123.73	40.61	-93.32	-7,468.98	3,689.17	1,814.57	1,705.34	109.23	16.612				
16,300.00	7,730.00	8,032.59	7,762.96	125.29	40.61	-93.02	-7,468.99	3,689.15	1,715.15	1,606.32	108.83	15.760				
16,400.00	7,730.00	8,031.61	7,761.98	126.86	40.61	-92.72	-7,469.00	3,689.12	1,615.79	1,507.41	108.39	14.908				
16,500.00	7,730.00	8,030.65	7,761.02	128.43	40.60	-92.43	-7,469.00	3,689.10	1,516.53	1,408.63	107.90	14.055				
16,600.00	7,730.00	8,029.71	7,760.08	130.01	40.60	-92.15	-7,469.01	3,689.08	1,417.36	1,310.01	107.35	13.203				
16,700.00	7,730.00	8,028.79	7,759.16	131.59	40.60	-91.87	-7,469.02	3,689.06	1,318.32	1,211.59	106.74	12.351				
16,800.00	7,730.00	8,027.88	7,758.25	133.18	40.60	-91.59	-7,469.03	3,689.03	1,219.44	1,113.39	106.05	11.499				
16,900.00	7,730.00	8,027.00	7,757.37	134.77	40.59	-91.32	-7,469.03	3,689.01	1,120.75	1,015.48	105.27	10.646				
17,000.00	7,730.00	8,026.13	7,756.50	136.37	40.59	-91.06	-7,469.04	3,688.99	1,022.32	917.91	104.41	9.792				
17,100.00	7,730.00	8,025.27	7,755.64	137.97	40.59	-90.80	-7,469.05	3,688.97	924.23	820.79	103.44	8.935				
17,200.00	7,730.00	8,024.43	7,754.80	139.57	40.59	-90.55	-7,469.05	3,688.95	826.59	724.20	102.38	8.073				
17,300.00	7,730.00	8,023.61	7,753.98	141.18	40.58	-90.30	-7,469.06	3,688.93	729.59	628.31	101.28	7.204				
17,400.00	7,730.00	8,022.80	7,753.17	142.79	40.58	-90.05	-7,469.07	3,688.91	633.52	533.26	100.26	6.319				
17,500.00	7,730.00	8,022.01	7,752.38	144.41	40.58	-89.81	-7,469.07	3,688.90	538.88	439.21	99.68	5.406				
17,600.00	7,730.00	8,021.23	7,751.60	146.03	40.58	-89.58	-7,469.08	3,688.88	446.59	346.17	100.43	4.447				
17,700.00	7,730.00	8,020.46	7,750.84	147.65	40.58	-89.34	-7,469.08	3,688.86	358.46	253.77	104.68	3.424				
17,800.00	7,730.00	8,019.71	7,750.08	149.28	40.57	-89.11	-7,469.09	3,688.84	278.45	161.51	116.95	2.381				
17,900.00	7,730.00	8,018.97	7,749.35	150.91	40.57	-88.89	-7,469.09	3,688.82	215.82	73.04	142.78	1.512				
18,000.00	7,730.00	8,018.25	7,748.62	152.54	40.57	-88.67	-7,469.10	3,688.81	188.74	13.06	175.68	1.074	Level 2			
18,004.79	7,730.00	8,018.21	7,748.59	152.62	40.57	-88.66	-7,469.10	3,688.81	188.68	11.74	176.93	1.066	Level 2, CC, ES, SF			
18,100.00	7,730.00	8,017.53	7,747.91	154.18	40.57	-88.45	-7,469.10	3,688.79	211.34	23.89	187.44	1.127	Level 2			
18,200.00	7,730.00	8,016.83	7,747.20	155.82	40.57	-88.24	-7,469.11	3,688.77	271.49	93.07	178.41	1.522				
18,300.00	7,730.00	8,016.14	7,746.51	157.46	40.56	-88.03	-7,469.11	3,688.76	350.35	183.74	166.60	2.103				
18,400.00	7,730.00	8,015.46	7,745.84	159.11	40.56	-87.82	-7,469.12	3,688.74	437.93	280.62	157.31	2.784				
18,500.00	7,730.00	8,014.79	7,745.17	160.75	40.56	-87.62	-7,469.12	3,688.73	529.93	379.42	150.51	3.521				
18,600.00	7,730.00	8,014.14	7,744.51	162.40	40.56	-87.42	-7,469.13	3,688.71	624.39	478.88	145.51	4.291				
18,700.00	7,730.00	8,013.49	7,743.87	164.05	40.56	-87.23	-7,469.13	3,688.70	720.34	578.60	141.74	5.082				
18,800.00	7,730.00	8,012.86	7,743.23	165.71	40.56	-87.03	-7,469.14	3,688.68	817.27	678.43	138.84	5.887				
18,900.00	7,730.00	8,012.23	7,742.61	167.36	40.55	-86.84	-7,469.14	3,688.67	914.86	778.32	136.54	6.700				
18,942.39	7,730.00	8,011.97	7,742.34	168.07	40.55	-86.76	-7,469.14	3,688.66	956.37	820.67	135.71	7.047				

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 0-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	162.16	-5,369.91	1,728.27	5,641.18					
100.00	100.00	51.01	51.01	0.13	0.08	162.16	-5,370.15	1,728.14	5,641.52	5,641.31	0.22	N/A		
200.00	200.00	159.54	159.53	0.49	0.39	162.18	-5,371.61	1,727.14	5,642.55	5,641.67	0.88	6,411.097		
300.00	300.00	253.61	253.58	0.85	0.73	162.19	-5,372.52	1,725.91	5,643.08	5,641.50	1.58	3,581.460		
400.00	400.00	347.82	347.78	1.21	1.06	162.21	-5,373.69	1,724.69	5,643.86	5,641.58	2.27	2,483.052		
500.00	500.00	410.60	410.54	1.57	1.29	162.22	-5,374.73	1,723.58	5,644.93	5,642.07	2.86	1,974.824		
600.00	600.00	456.00	455.90	1.93	1.46	162.24	-5,376.00	1,722.27	5,646.81	5,643.42	3.38	1,669.984		
700.00	700.00	511.93	511.74	2.29	1.66	162.26	-5,378.26	1,720.10	5,649.54	5,645.59	3.95	1,432.062		
800.00	800.00	549.00	548.72	2.64	1.80	162.29	-5,380.21	1,718.34	5,653.23	5,648.79	4.44	1,273.564		
900.00	899.98	601.68	601.21	3.00	2.00	102.65	-5,383.62	1,715.51	5,658.25	5,653.26	4.99	1,134.004		
1,000.00	999.84	640.00	639.35	3.35	2.15	102.56	-5,386.58	1,713.25	5,665.06	5,659.58	5.48	1,032.837		
1,100.00	1,099.45	687.61	686.67	3.71	2.33	102.48	-5,390.83	1,710.19	5,673.63	5,667.60	6.02	941.779		
1,200.00	1,198.70	732.00	730.72	4.08	2.51	102.37	-5,395.36	1,707.07	5,683.96	5,677.40	6.56	866.409		
1,300.00	1,297.47	770.37	768.72	4.47	2.67	102.24	-5,399.72	1,704.15	5,696.07	5,688.98	7.09	803.331		
1,400.00	1,395.62	825.00	822.72	4.87	2.89	102.13	-5,406.70	1,699.60	5,710.02	5,702.32	7.70	741.132		
1,500.00	1,493.06	850.92	848.28	5.31	3.01	101.91	-5,410.31	1,697.25	5,725.66	5,717.43	8.23	695.698		
1,600.00	1,589.64	892.40	889.09	5.77	3.19	101.73	-5,416.48	1,693.21	5,743.08	5,734.24	8.85	649.004		
1,700.00	1,685.27	936.03	931.91	6.28	3.38	101.53	-5,423.46	1,688.55	5,762.24	5,752.73	9.51	605.690		
1,800.00	1,779.82	984.63	979.47	6.83	3.61	101.35	-5,431.70	1,682.90	5,783.03	5,772.78	10.24	564.621		
1,900.00	1,873.17	1,012.00	1,006.19	7.43	3.74	101.03	-5,436.54	1,679.50	5,805.49	5,794.57	10.92	531.735		
2,000.00	1,965.21	1,061.87	1,054.73	8.08	3.98	100.82	-5,445.86	1,672.83	5,829.61	5,817.86	11.75	496.122		
2,100.00	2,055.84	1,106.00	1,097.48	8.79	4.20	100.56	-5,454.72	1,666.37	5,855.58	5,842.98	12.60	464.660		
2,200.00	2,144.94	1,178.17	1,167.19	9.56	4.58	100.45	-5,469.59	1,655.12	5,883.05	5,869.40	13.65	430.986		
2,300.00	2,232.39	1,217.36	1,205.02	10.39	4.79	100.12	-5,477.65	1,648.83	5,911.76	5,897.17	14.59	405.208		
2,400.00	2,318.11	1,244.98	1,231.65	11.30	4.93	99.68	-5,483.58	1,644.49	5,942.29	5,926.77	15.52	382.819		
2,504.60	2,405.78	1,288.50	1,273.64	12.31	5.17	99.29	-5,493.06	1,638.08	5,976.00	5,959.37	16.63	359.398		
2,600.00	2,484.79	2,600.00	1,357.05	13.28	12.23	99.89	-5,511.55	1,626.69	6,007.64	5,984.02	23.62	254.377		
2,700.00	2,567.60	1,500.84	1,479.35	14.32	6.30	100.77	-5,537.71	1,610.26	6,040.99	6,021.57	19.42	311.110		
2,800.00	2,650.41	1,539.70	1,516.97	15.37	6.51	101.05	-5,545.81	1,604.87	6,075.07	6,054.56	20.51	296.202		
2,900.00	2,733.23	1,584.00	1,559.79	16.44	6.75	101.36	-5,555.23	1,598.48	6,110.11	6,088.48	21.63	282.484		
3,000.00	2,816.04	1,620.63	1,595.13	17.52	6.96	101.61	-5,563.19	1,593.09	6,146.14	6,123.42	22.71	270.614		
3,100.00	2,898.85	1,657.58	1,630.75	18.60	7.17	101.87	-5,571.40	1,587.64	6,183.17	6,159.38	23.79	259.889		
3,200.00	2,981.67	1,719.86	1,690.73	19.69	7.52	102.31	-5,585.46	1,578.51	6,221.14	6,196.14	25.00	248.837		
3,300.00	3,064.48	2,002.88	1,964.67	20.79	9.07	104.23	-5,644.45	1,538.95	6,258.91	6,231.55	27.36	228.797		
3,400.00	3,147.30	2,135.43	2,093.72	21.90	9.78	105.10	-5,668.74	1,520.92	6,295.22	6,266.31	28.91	217.750		
3,500.00	3,230.11	2,177.09	2,134.28	23.00	10.00	105.38	-5,676.29	1,515.12	6,332.14	6,302.15	30.00	211.094		
3,600.00	3,312.92	2,211.23	2,167.46	24.12	10.18	105.60	-5,682.69	1,510.26	6,370.04	6,339.01	31.04	205.243		
3,700.00	3,395.74	2,240.00	2,195.38	25.23	10.34	105.79	-5,688.22	1,506.07	6,408.92	6,376.88	32.04	200.036		
3,800.00	3,478.55	2,288.59	2,242.53	26.35	10.60	106.11	-5,697.77	1,499.21	6,448.69	6,415.56	33.13	194.621		
3,900.00	3,561.36	2,334.00	2,286.61	27.47	10.85	106.40	-5,706.87	1,493.24	6,489.32	6,455.12	34.21	189.717		
4,000.00	3,644.18	2,462.42	2,411.35	28.59	11.54	107.22	-5,732.31	1,476.32	6,530.40	6,494.70	35.70	182.921		
4,100.00	3,726.99	2,550.64	2,497.21	29.72	12.01	107.77	-5,749.01	1,464.83	6,571.34	6,534.36	36.98	177.713		
4,200.00	3,809.81	2,590.62	2,536.09	30.85	12.23	108.02	-5,756.69	1,459.57	6,613.04	6,575.05	37.99	174.062		
4,300.00	3,892.62	2,641.36	2,585.37	31.98	12.50	108.34	-5,766.64	1,452.74	6,655.56	6,616.50	39.06	170.414		
4,400.00	3,975.43	2,970.57	2,906.29	33.11	14.23	110.35	-5,826.08	1,409.95	6,698.26	6,656.72	41.55	161.221		
4,500.00	4,058.25	3,074.10	3,007.82	34.24	14.74	110.95	-5,842.22	1,397.65	6,738.95	6,696.10	42.85	157.253		
4,600.00	4,141.06	3,084.00	3,017.53	35.37	14.79	111.01	-5,843.74	1,396.50	6,780.26	6,736.57	43.69	155.203		
4,700.00	4,223.87	3,129.31	3,061.95	36.50	15.01	111.27	-5,850.99	1,391.24	6,822.33	6,777.65	44.69	152.675		
4,800.00	4,306.69	3,178.00	3,109.56	37.64	15.26	111.55	-5,859.44	1,385.58	6,865.60	6,819.91	45.69	150.260		
4,900.00	4,389.50	3,178.00	3,109.56	38.77	15.26	111.55	-5,859.44	1,385.58	6,909.53	6,863.09	46.44	148.792		
5,000.00	4,472.32	3,215.68	3,146.34	39.91	15.46	111.77	-5,866.32	1,381.16	6,954.44	6,907.07	47.37	146.820		
5,100.00	4,555.13	3,255.95	3,185.61	41.05	15.67	112.00	-5,873.82	1,376.38	7,000.09	6,951.79	48.30	144.929		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 0-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	3,303.62	3,232.05	42.18	15.92	112.27	-5,882.87	1,370.53	7,046.45	6,997.18	49.27	143.031		
5,300.00	4,720.76	3,355.49	3,282.50	43.32	16.20	112.57	-5,892.81	1,363.62	7,093.41	7,043.17	50.24	141.181		
5,400.00	4,803.57	3,396.13	3,321.95	44.46	16.42	112.81	-5,900.68	1,357.92	7,141.01	7,089.86	51.15	139.604		
5,500.00	4,886.39	3,434.23	3,358.92	45.60	16.63	113.03	-5,908.23	1,352.62	7,189.33	7,137.29	52.04	138.157		
5,600.00	4,969.20	3,459.00	3,382.94	46.74	16.76	113.17	-5,913.22	1,349.19	7,238.36	7,185.53	52.84	136.990		
5,700.00	5,052.01	3,459.00	3,382.94	47.88	16.76	113.17	-5,913.22	1,349.19	7,288.37	7,234.88	53.49	136.262		
5,800.00	5,134.83	3,507.79	3,430.17	49.02	17.04	113.45	-5,923.50	1,342.58	7,338.87	7,284.47	54.40	134.900		
5,900.00	5,217.64	3,553.00	3,473.82	50.16	17.29	113.70	-5,933.69	1,336.68	7,390.49	7,335.21	55.29	133.672		
6,000.00	5,300.45	3,598.00	3,518.05	51.30	24.98	122.52	-6,137.91	1,208.39	7,434.53	7,370.15	64.38	115.482		
6,100.00	5,383.27	3,649.47	3,569.47	52.45	25.22	122.92	-6,137.24	1,209.15	7,468.11	7,402.64	65.46	114.079		
6,200.00	5,466.08	3,698.02	3,618.37	53.59	25.46	123.29	-6,136.33	1,209.62	7,501.74	7,435.21	66.53	112.753		
6,300.00	5,548.90	3,753.52	3,675.86	54.73	25.71	123.69	-6,135.07	1,209.90	7,535.44	7,467.82	67.62	111.439		
6,400.00	5,631.71	3,808.64	3,730.96	55.87	25.97	124.08	-6,133.49	1,210.28	7,569.11	7,500.41	68.70	110.172		
6,500.00	5,714.52	3,863.57	3,787.88	57.02	26.21	124.45	-6,131.79	1,210.48	7,602.86	7,533.10	69.76	108.989		
6,600.00	5,797.34	3,918.47	3,838.77	58.16	26.42	124.76	-6,130.18	1,210.49	7,636.75	7,565.98	70.77	107.905		
6,700.00	5,880.15	3,973.51	3,893.79	59.30	26.63	125.07	-6,128.55	1,210.27	7,670.92	7,599.14	71.79	106.859		
6,800.00	5,962.96	4,028.69	3,948.95	60.45	26.88	125.43	-6,126.57	1,209.90	7,705.25	7,632.42	72.83	105.798		
6,900.00	6,045.78	4,083.10	4,004.34	61.59	27.11	125.76	-6,124.57	1,209.59	7,739.68	7,665.82	73.85	104.799		
7,000.00	6,128.59	4,138.41	4,059.62	62.73	27.35	126.09	-6,122.49	1,209.20	7,774.33	7,699.45	74.88	103.828		
7,100.00	6,211.41	4,193.96	4,115.13	63.88	27.64	126.49	-6,119.66	1,208.72	7,808.97	7,733.01	75.96	102.810		
7,200.00	6,294.22	4,249.31	4,170.45	65.02	27.86	126.81	-6,117.24	1,208.61	7,843.65	7,766.70	76.96	101.921		
7,300.00	6,377.03	4,304.64	4,225.76	66.17	28.05	127.06	-6,115.37	1,208.87	7,878.62	7,800.71	77.91	101.130		
7,400.00	6,459.85	4,360.29	4,281.39	67.31	28.22	127.28	-6,113.86	1,209.17	7,913.99	7,835.16	78.82	100.402		
7,500.00	6,542.66	4,415.92	4,337.06	68.46	28.44	127.57	-6,112.00	1,209.57	7,949.68	7,869.88	79.80	99.621		
7,600.00	6,625.48	4,471.36	4,392.42	69.60	28.61	127.80	-6,110.58	1,209.86	7,985.66	7,904.95	80.71	98.938		
7,700.00	6,708.29	4,526.09	4,447.13	70.75	28.84	128.09	-6,108.90	1,210.12	8,022.02	7,940.33	81.69	98.202		
7,800.00	6,791.10	4,581.92	4,502.93	71.89	29.10	128.42	-6,106.87	1,210.83	8,058.39	7,975.69	82.70	97.442		
7,900.00	6,873.92	4,637.91	4,558.90	73.04	29.34	128.71	-6,104.95	1,211.59	8,094.93	8,011.25	83.68	96.735		
8,000.00	6,956.73	4,693.51	4,614.48	74.18	29.57	128.99	-6,103.11	1,212.39	8,131.59	8,046.95	84.64	96.074		
8,100.00	7,039.54	4,749.45	4,670.40	75.33	29.77	129.24	-6,101.54	1,213.23	8,168.55	8,082.98	85.57	95.460		
8,165.32	7,093.63	4,805.58	4,726.51	76.08	29.98	129.49	-6,099.89	1,214.19	8,192.72	8,106.45	86.27	94.967		
8,200.00	7,122.60	4,861.01	4,782.02	76.47	30.14	124.56	-6,098.48	1,215.07	8,204.55	8,117.84	86.70	94.627		
8,250.00	7,165.05	4,916.87	4,837.74	77.01	30.32	116.80	-6,096.70	1,216.35	8,218.05	8,130.77	87.28	94.154		
8,300.00	7,208.03	4,972.77	4,893.61	77.52	30.46	108.46	-6,095.24	1,217.64	8,227.41	8,139.58	87.83	93.676		
8,350.00	7,251.22	5,028.50	4,949.29	77.99	30.60	99.95	-6,093.85	1,219.07	8,232.59	8,144.22	88.37	93.162		
8,400.00	7,294.28	5,084.43	4,999.18	78.41	30.73	91.70	-6,092.50	1,220.67	8,233.56	8,144.66	88.91	92.610		
8,450.00	7,336.90	5,140.94	5,055.64	78.78	30.87	84.12	-6,091.02	1,222.47	8,230.33	8,140.88	89.45	92.009		
8,500.00	7,378.73	5,196.51	5,111.16	79.10	31.01	77.46	-6,089.48	1,224.17	8,222.90	8,132.92	89.98	91.383		
8,550.00	7,419.47	5,252.87	5,167.50	79.37	31.05	71.69	-6,089.11	1,224.54	8,211.46	8,121.10	90.37	90.869		
8,600.00	7,458.81	5,308.87	5,223.49	79.59	31.10	66.96	-6,088.60	1,225.04	8,196.14	8,105.38	90.75	90.314		
8,650.00	7,496.44	5,364.95	5,279.57	79.76	31.15	63.20	-6,088.14	1,225.45	8,177.03	8,085.92	91.12	89.744		
8,700.00	7,532.08	5,421.79	5,335.95	79.88	31.94	61.73	-6,076.48	1,235.76	8,153.18	8,060.77	92.41	88.226		
8,750.00	7,565.46	5,478.00	5,392.11	79.95	32.00	59.82	-6,075.42	1,236.77	8,125.81	8,033.06	92.75	87.607		
8,800.00	7,596.33	5,534.00	5,448.11	79.98	32.00	58.59	-6,075.42	1,236.77	8,095.23	8,002.23	93.00	87.043		
8,850.00	7,624.44	5,590.34	5,504.40	79.97	32.06	58.29	-6,074.26	1,237.85	8,061.61	7,968.29	93.31	86.393		
8,900.00	7,649.59	5,646.75	5,560.79	79.93	32.09	58.73	-6,073.78	1,238.26	8,025.24	7,931.68	93.56	85.780		
8,950.00	7,671.59	5,703.71	5,617.74	79.84	32.12	60.08	-6,073.37	1,238.61	7,986.36	7,892.58	93.77	85.167		
9,000.00	7,690.26	5,760.17	5,674.18	79.73	32.14	62.50	-6,073.04	1,238.87	7,945.23	7,851.27	93.97	84.554		
9,050.00	7,705.47	5,816.06	5,730.06	79.59	32.15	66.28	-6,072.79	1,239.08	7,902.16	7,808.03	94.14	83.944		
9,100.00	7,717.09	5,871.34	5,785.33	79.43	32.16	71.87	-6,072.60	1,239.22	7,857.45	7,763.16	94.28	83.338		
9,150.00	7,725.04	5,926.97	5,840.96	79.26	32.17	79.88	-6,072.49	1,239.31	7,811.41	7,716.99	94.41	82.738		
9,200.00	7,729.27	5,982.92	5,896.91	79.06	32.17	91.03	-6,072.45	1,239.34	7,764.38	7,669.86	94.52	82.145		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,231.13	7,730.00	8,220.66	8,111.65	78.93	32.17	99.73	-6,072.46	1,239.33	7,734.75	7,640.17	94.58	81.780		
9,300.00	7,730.00	8,219.36	8,110.35	78.65	32.17	99.70	-6,072.51	1,239.29	7,669.02	7,574.32	94.71	80.978		
9,400.00	7,730.00	8,217.45	8,108.45	78.26	32.16	99.66	-6,072.60	1,239.23	7,573.68	7,478.78	94.89	79.814		
9,500.00	7,730.00	8,215.53	8,106.53	77.89	32.16	99.61	-6,072.68	1,239.16	7,478.45	7,383.37	95.09	78.650		
9,600.00	7,730.00	8,213.59	8,104.59	77.53	32.15	99.56	-6,072.76	1,239.10	7,383.35	7,288.07	95.29	77.486		
9,700.00	7,730.00	8,211.63	8,102.64	77.19	32.15	99.51	-6,072.85	1,239.03	7,288.39	7,192.89	95.50	76.322		
9,800.00	7,730.00	8,209.66	8,100.67	76.88	32.14	99.46	-6,072.93	1,238.96	7,193.55	7,097.84	95.71	75.158		
9,900.00	7,730.00	8,207.66	8,098.68	76.58	32.14	99.41	-6,073.02	1,238.89	7,098.86	7,002.92	95.94	73.994		
10,000.00	7,730.00	8,205.65	8,096.67	76.30	32.13	99.36	-6,073.11	1,238.82	7,004.31	6,908.14	96.17	72.831		
10,100.00	7,730.00	8,203.62	8,094.64	76.04	32.13	99.31	-6,073.20	1,238.75	6,909.92	6,813.50	96.42	71.668		
10,200.00	7,730.00	8,201.58	8,092.60	75.79	32.12	99.26	-6,073.29	1,238.67	6,815.68	6,719.01	96.67	70.505		
10,300.00	7,730.00	8,199.51	8,090.53	75.57	32.11	99.21	-6,073.38	1,238.60	6,721.61	6,624.68	96.93	69.344		
10,400.00	7,730.00	8,197.42	8,088.45	75.36	32.11	99.16	-6,073.48	1,238.52	6,627.71	6,530.51	97.21	68.183		
10,500.00	7,730.00	8,195.32	8,086.35	75.18	32.10	99.11	-6,073.57	1,238.44	6,533.99	6,436.51	97.49	67.023		
10,600.00	7,730.00	8,193.19	8,084.23	75.01	32.10	99.06	-6,073.67	1,238.36	6,440.46	6,342.68	97.79	65.863		
10,700.00	7,730.00	8,191.05	8,082.09	74.86	32.09	99.00	-6,073.76	1,238.28	6,347.13	6,249.04	98.09	64.706		
10,800.00	7,730.00	8,188.88	8,079.92	74.74	32.09	98.95	-6,073.86	1,238.19	6,254.00	6,155.58	98.41	63.549		
10,900.00	7,730.00	8,186.69	8,077.74	74.64	32.08	98.89	-6,073.96	1,238.10	6,161.08	6,062.33	98.75	62.394		
11,000.00	7,730.00	8,184.49	8,075.54	74.56	32.07	98.84	-6,074.07	1,238.02	6,068.39	5,969.29	99.09	61.240		
11,100.00	7,730.00	8,182.26	8,073.32	74.51	32.07	98.78	-6,074.17	1,237.92	5,975.93	5,876.47	99.45	60.089		
11,200.00	7,730.00	8,180.01	8,071.07	74.48	32.06	98.73	-6,074.27	1,237.83	5,883.71	5,783.88	99.83	58.939		
11,300.00	7,730.00	8,177.74	8,068.80	74.48	32.06	98.67	-6,074.38	1,237.74	5,791.75	5,691.53	100.22	57.791		
11,400.00	7,730.00	8,156.00	8,047.11	74.50	32.00	98.13	-6,075.42	1,236.77	5,700.13	5,599.59	100.54	56.694		
11,500.00	7,730.00	8,156.00	8,047.11	74.56	32.00	98.13	-6,075.42	1,236.77	5,608.71	5,507.73	100.98	55.545		
11,600.00	7,730.00	8,156.00	8,047.11	74.66	32.00	98.13	-6,075.42	1,236.77	5,517.58	5,416.16	101.43	54.400		
11,700.00	7,730.00	8,156.00	8,047.11	74.79	32.00	98.13	-6,075.42	1,236.77	5,426.77	5,324.87	101.90	53.257		
11,800.00	7,730.00	8,156.00	8,047.11	74.96	32.00	98.13	-6,075.42	1,236.77	5,336.29	5,233.90	102.39	52.118		
11,900.00	7,730.00	8,156.00	8,047.11	75.17	32.00	98.13	-6,075.42	1,236.77	5,246.15	5,143.25	102.90	50.983		
12,000.00	7,730.00	8,156.00	8,047.11	75.43	32.00	98.13	-6,075.42	1,236.77	5,156.37	5,052.94	103.43	49.853		
12,100.00	7,730.00	8,156.00	8,047.11	75.73	32.00	98.13	-6,075.42	1,236.77	5,066.98	4,963.00	103.99	48.727		
12,200.00	7,730.00	8,156.00	8,047.11	76.09	32.00	98.13	-6,075.42	1,236.77	4,978.00	4,873.43	104.57	47.605		
12,300.00	7,730.00	8,156.00	8,047.11	76.51	32.00	98.13	-6,075.42	1,236.77	4,889.43	4,784.26	105.17	46.489		
12,400.00	7,730.00	8,149.17	8,040.30	76.97	31.98	97.96	-6,075.76	1,236.44	4,801.31	4,695.54	105.77	45.393		
12,500.00	7,730.00	8,145.51	8,036.64	77.50	31.97	97.87	-6,075.94	1,236.27	4,713.67	4,607.25	106.41	44.296		
12,600.00	7,730.00	8,141.81	8,032.96	78.09	31.96	97.78	-6,076.12	1,236.09	4,626.52	4,519.43	107.08	43.206		
12,700.00	7,730.00	8,138.08	8,029.23	78.74	31.95	97.69	-6,076.31	1,235.92	4,539.89	4,432.11	107.78	42.122		
12,800.00	7,730.00	8,134.31	8,025.48	79.45	31.94	97.59	-6,076.50	1,235.73	4,453.82	4,345.31	108.51	41.046		
12,900.00	7,730.00	8,130.51	8,021.68	80.22	31.93	97.50	-6,076.69	1,235.55	4,368.34	4,259.07	109.27	39.978		
13,000.00	7,730.00	8,126.67	8,017.85	81.05	31.92	97.40	-6,076.89	1,235.37	4,283.49	4,173.42	110.06	38.918		
13,100.00	7,730.00	8,122.79	8,013.98	81.94	31.91	97.31	-6,077.09	1,235.18	4,199.29	4,088.40	110.89	37.868		
13,200.00	7,730.00	8,118.87	8,010.07	82.87	31.90	97.21	-6,077.29	1,234.99	4,115.80	4,004.04	111.76	36.827		
13,300.00	7,730.00	8,114.91	8,006.12	83.86	31.89	97.11	-6,077.49	1,234.80	4,033.06	3,920.40	112.66	35.797		
13,400.00	7,730.00	8,110.91	8,002.13	84.90	31.88	97.01	-6,077.70	1,234.60	3,951.11	3,837.50	113.61	34.779		
13,500.00	7,730.00	8,106.87	7,998.10	85.97	31.87	96.91	-6,077.91	1,234.40	3,870.00	3,755.41	114.59	33.773		
13,600.00	7,730.00	8,102.79	7,994.03	87.09	31.86	96.81	-6,078.12	1,234.20	3,789.79	3,674.17	115.62	32.779		
13,700.00	7,730.00	8,098.67	7,989.92	88.25	31.85	96.70	-6,078.34	1,234.00	3,710.53	3,593.85	116.68	31.800		
13,800.00	7,730.00	8,094.51	7,985.77	89.44	31.84	96.60	-6,078.56	1,233.79	3,632.29	3,514.50	117.80	30.835		
13,900.00	7,730.00	8,090.30	7,981.57	90.66	31.83	96.49	-6,078.78	1,233.59	3,555.14	3,436.19	118.95	29.887		
14,000.00	7,730.00	8,086.05	7,977.33	91.92	31.82	96.39	-6,079.01	1,233.37	3,479.15	3,358.99	120.16	28.955		
14,100.00	7,730.00	8,081.75	7,973.05	93.20	31.81	96.28	-6,079.24	1,233.16	3,404.38	3,282.98	121.41	28.041		
14,200.00	7,730.00	8,077.41	7,968.72	94.50	31.79	96.17	-6,079.47	1,232.94	3,330.94	3,208.23	122.71	27.146		
14,300.00	7,730.00	8,073.03	7,964.35	95.83	31.78	96.06	-6,079.71	1,232.72	3,258.90	3,134.85	124.05	26.271		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 0-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,400.00	7,730.00	8,068.60	7,959.93	97.17	31.77	95.95	-6,079.95	1,232.50	3,188.37	3,062.93	125.44	25.418		
14,500.00	7,730.00	14,500.00	7,912.67	98.54	49.28	94.77	-6,082.17	1,230.49	3,119.18	2,972.80	146.38	21.308		
14,600.00	7,730.00	8,042.70	7,934.10	99.92	31.70	95.30	-6,081.35	1,231.22	3,052.21	2,923.96	128.24	23.800		
14,700.00	7,730.00	7,997.84	7,889.33	101.32	31.59	94.18	-6,083.44	1,229.33	2,986.75	2,857.26	129.49	23.065		
14,800.00	7,730.00	7,966.96	7,858.49	102.74	31.50	93.41	-6,084.63	1,228.27	2,923.19	2,792.33	130.86	22.338		
14,900.00	7,730.00	7,957.11	7,848.66	104.17	31.48	93.16	-6,084.98	1,227.97	2,861.69	2,729.29	132.40	21.614		
15,000.00	7,730.00	7,948.04	7,839.59	105.62	31.45	92.93	-6,085.28	1,227.71	2,802.40	2,668.43	133.97	20.917		
15,100.00	7,730.00	7,939.66	7,831.22	107.07	31.43	92.72	-6,085.55	1,227.49	2,745.47	2,609.89	135.57	20.251		
15,200.00	7,730.00	7,931.89	7,823.45	108.54	31.41	92.53	-6,085.79	1,227.29	2,691.03	2,553.85	137.18	19.616		
15,300.00	7,730.00	7,924.67	7,816.24	110.02	31.39	92.34	-6,086.00	1,227.11	2,639.25	2,500.45	138.80	19.015		
15,400.00	7,730.00	7,917.94	7,809.51	111.51	31.37	92.17	-6,086.19	1,226.95	2,590.30	2,449.88	140.41	18.448		
15,500.00	7,730.00	7,911.65	7,803.23	113.01	31.35	92.02	-6,086.37	1,226.81	2,544.32	2,402.32	142.01	17.917		
15,600.00	7,730.00	7,905.76	7,797.35	114.52	31.34	91.87	-6,086.53	1,226.69	2,501.50	2,357.93	143.57	17.424		
15,700.00	7,730.00	7,900.24	7,791.83	116.04	31.32	91.73	-6,086.67	1,226.58	2,461.98	2,316.91	145.08	16.970		
15,800.00	7,730.00	7,895.05	7,786.64	117.56	31.31	91.60	-6,086.80	1,226.47	2,425.95	2,279.42	146.52	16.557		
15,900.00	7,730.00	7,890.16	7,781.75	119.09	31.29	91.48	-6,086.92	1,226.38	2,393.54	2,245.66	147.89	16.185		
16,000.00	7,730.00	7,885.55	7,777.15	120.63	31.28	91.36	-6,087.03	1,226.30	2,364.92	2,215.77	149.15	15.856		
16,100.00	7,730.00	7,881.19	7,772.79	122.18	31.27	91.25	-6,087.13	1,226.23	2,340.22	2,189.92	150.30	15.571		
16,200.00	7,730.00	7,877.07	7,768.67	123.73	31.26	91.15	-6,087.22	1,226.16	2,319.57	2,168.26	151.31	15.330		
16,300.00	7,730.00	7,873.16	7,764.76	125.29	31.25	91.05	-6,087.31	1,226.10	2,303.07	2,150.90	152.17	15.135		
16,400.00	7,730.00	7,872.00	7,763.60	126.86	31.24	91.02	-6,087.33	1,226.08	2,290.82	2,137.94	152.89	14.984		
16,500.00	7,730.00	7,872.00	7,763.60	128.43	31.24	91.02	-6,087.33	1,226.08	2,282.89	2,129.45	153.44	14.878		
16,600.00	7,730.00	7,872.00	7,763.60	130.01	31.24	91.02	-6,087.33	1,226.08	2,279.33	2,125.52	153.81	14.820		
16,631.35	7,730.00	7,872.00	7,763.60	130.50	31.24	91.02	-6,087.33	1,226.08	2,279.11	2,125.23	153.88	14.811 CC, ES		
16,700.00	7,730.00	7,872.00	7,763.60	131.59	31.24	91.02	-6,087.33	1,226.08	2,280.14	2,126.16	153.98	14.808 SF		
16,800.00	7,730.00	7,864.71	7,756.31	133.18	31.22	90.84	-6,087.49	1,225.97	2,285.33	2,131.41	153.91	14.848		
16,900.00	7,730.00	7,863.10	7,754.70	134.77	31.22	90.80	-6,087.53	1,225.94	2,294.87	2,141.17	153.70	14.931		
17,000.00	7,730.00	7,861.47	7,753.07	136.37	31.22	90.76	-6,087.56	1,225.92	2,308.70	2,155.40	153.30	15.060		
17,100.00	7,730.00	7,859.82	7,751.42	137.97	31.21	90.71	-6,087.60	1,225.89	2,326.75	2,174.02	152.73	15.234		
17,200.00	7,730.00	7,858.14	7,749.75	139.57	31.21	90.67	-6,087.64	1,225.86	2,348.93	2,196.92	152.00	15.453		
17,300.00	7,730.00	7,856.45	7,748.05	141.18	31.20	90.63	-6,087.68	1,225.83	2,375.10	2,223.98	151.12	15.716		
17,400.00	7,730.00	7,854.73	7,746.33	142.79	31.20	90.59	-6,087.72	1,225.80	2,405.16	2,255.05	150.11	16.022		
17,500.00	7,730.00	7,852.99	7,744.59	144.41	31.19	90.54	-6,087.76	1,225.77	2,438.94	2,289.96	148.98	16.371		
17,600.00	7,730.00	7,851.22	7,742.83	146.03	31.19	90.50	-6,087.80	1,225.73	2,476.30	2,328.55	147.76	16.760		
17,700.00	7,730.00	7,849.43	7,741.04	147.65	31.18	90.45	-6,087.84	1,225.70	2,517.08	2,370.64	146.44	17.188		
17,800.00	7,730.00	7,847.62	7,739.22	149.28	31.18	90.41	-6,087.88	1,225.66	2,561.12	2,416.05	145.07	17.655		
17,900.00	7,730.00	7,845.78	7,737.39	150.91	31.17	90.36	-6,087.93	1,225.63	2,608.25	2,464.61	143.64	18.158		
18,000.00	7,730.00	7,843.91	7,735.52	152.54	31.17	90.31	-6,087.97	1,225.59	2,658.30	2,516.13	142.17	18.698		
18,100.00	7,730.00	7,842.02	7,733.63	154.18	31.16	90.27	-6,088.01	1,225.55	2,711.12	2,570.43	140.69	19.271		
18,200.00	7,730.00	7,840.10	7,731.71	155.82	31.16	90.22	-6,088.06	1,225.51	2,766.54	2,627.35	139.19	19.877		
18,300.00	7,730.00	7,838.16	7,729.77	157.46	31.15	90.17	-6,088.11	1,225.47	2,824.42	2,686.73	137.68	20.514		
18,400.00	7,730.00	7,836.19	7,727.80	159.11	31.15	90.12	-6,088.16	1,225.43	2,884.60	2,748.41	136.19	21.181		
18,500.00	7,730.00	7,834.19	7,725.80	160.75	31.14	90.07	-6,088.21	1,225.39	2,946.94	2,812.23	134.71	21.876		
18,600.00	7,730.00	7,832.16	7,723.77	162.40	31.14	90.02	-6,088.26	1,225.35	3,011.31	2,878.06	133.26	22.598		
18,700.00	7,730.00	7,830.10	7,721.71	164.05	31.13	89.97	-6,088.31	1,225.30	3,077.59	2,945.76	131.83	23.345		
18,800.00	7,730.00	7,828.01	7,719.62	165.71	31.12	89.92	-6,088.36	1,225.25	3,145.64	3,015.21	130.43	24.117		
18,900.00	7,730.00	7,825.89	7,717.51	167.36	31.12	89.86	-6,088.41	1,225.20	3,215.37	3,086.30	129.07	24.912		
18,942.39	7,730.00	7,824.98	7,716.60	168.07	31.12	89.84	-6,088.44	1,225.18	3,245.40	3,116.90	128.50	25.255		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 2-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	162.19	-5,380.84	1,728.27	5,651.58					
100.00	100.00	109.39	109.39	0.13	0.20	162.19	-5,380.64	1,728.20	5,651.39	5,651.05	0.34	N/A		
177.82	177.82	171.82	171.82	0.41	0.42	162.19	-5,380.51	1,728.33	5,651.28	5,650.44	0.84	6,763.677		
200.00	200.00	185.00	185.00	0.49	0.47	162.19	-5,380.49	1,728.39	5,651.29	5,650.33	0.96	5,878.308		
300.00	300.00	227.24	227.24	0.85	0.62	162.19	-5,380.61	1,728.87	5,651.94	5,650.47	1.47	3,847.362		
400.00	400.00	274.00	273.98	1.21	0.78	162.18	-5,381.13	1,730.01	5,653.66	5,651.67	1.99	2,838.413		
500.00	500.00	306.98	306.93	1.57	0.90	162.17	-5,381.73	1,731.24	5,656.43	5,653.96	2.47	2,290.954		
600.00	600.00	365.00	364.84	1.93	1.11	162.14	-5,383.20	1,734.39	5,660.34	5,657.31	3.03	1,865.754		
700.00	700.00	365.00	364.84	2.29	1.11	162.14	-5,383.20	1,734.39	5,665.27	5,661.88	3.39	1,669.991		
800.00	800.00	421.17	420.83	2.64	1.32	162.11	-5,385.29	1,738.36	5,671.20	5,667.24	3.95	1,434.279		
900.00	899.98	456.00	455.51	3.00	1.45	102.36	-5,386.98	1,741.16	5,678.71	5,674.28	4.43	1,281.023		
1,000.00	999.84	499.05	498.30	3.35	1.62	102.17	-5,389.37	1,745.21	5,688.03	5,683.09	4.95	1,150.023		
1,100.00	1,099.45	549.00	547.82	3.71	1.81	101.95	-5,392.37	1,751.02	5,699.12	5,693.63	5.49	1,038.319		
1,200.00	1,198.70	577.97	576.48	4.08	1.93	101.70	-5,394.29	1,754.82	5,711.93	5,705.96	5.97	957.370		
1,300.00	1,297.47	614.71	612.76	4.47	2.09	101.43	-5,397.00	1,759.91	5,726.53	5,720.05	6.49	882.798		
1,400.00	1,395.62	640.00	637.70	4.87	2.19	101.12	-5,399.06	1,763.58	5,742.92	5,735.94	6.98	822.827		
1,500.00	1,493.06	690.30	687.20	5.31	2.42	100.81	-5,403.58	1,771.26	5,760.95	5,753.35	7.60	757.755		
1,600.00	1,589.64	732.00	728.14	5.77	2.60	100.47	-5,407.73	1,778.01	5,780.69	5,772.47	8.22	703.408		
1,700.00	1,685.27	762.01	757.53	6.28	2.75	100.09	-5,410.96	1,783.15	5,802.09	5,793.27	8.82	657.484		
1,800.00	1,779.82	794.87	789.62	6.83	2.91	99.69	-5,414.74	1,789.10	5,825.19	5,815.70	9.48	614.410		
1,900.00	1,873.17	825.00	818.97	7.43	3.05	99.25	-5,418.42	1,794.88	5,849.93	5,839.77	10.17	575.408		
2,000.00	1,965.21	865.66	858.44	8.08	3.26	98.81	-5,423.69	1,803.06	5,876.25	5,865.29	10.95	536.407		
2,100.00	2,055.84	919.00	910.05	8.79	3.54	98.38	-5,431.07	1,814.35	5,904.11	5,892.26	11.85	498.198		
2,200.00	2,144.94	952.34	942.22	9.56	3.72	97.88	-5,435.89	1,821.66	5,933.28	5,920.57	12.71	466.687		
2,300.00	2,232.39	1,013.00	1,000.65	10.39	4.05	97.45	-5,444.82	1,835.28	5,963.64	5,949.87	13.76	433.321		
2,400.00	2,318.11	1,061.60	1,047.39	11.30	4.33	96.97	-5,452.21	1,846.35	5,995.11	5,980.30	14.81	404.729		
2,504.60	2,405.78	1,106.00	1,090.05	12.31	4.58	96.43	-5,459.23	1,856.48	6,029.29	6,013.34	15.95	378.098		
2,600.00	2,484.79	1,167.42	1,149.02	13.28	4.94	96.68	-5,469.29	1,870.42	6,061.31	6,044.19	17.13	353.922		
2,700.00	2,567.60	1,217.85	1,197.40	14.32	5.24	96.89	-5,477.86	1,881.79	6,095.57	6,077.27	18.30	333.046		
2,800.00	2,650.41	1,280.00	1,256.17	15.37	5.41	97.59	-5,505.66	1,917.14	6,129.61	6,102.81	26.80	228.756		
2,900.00	2,733.23	1,445.47	1,416.59	16.44	6.55	97.85	-5,516.05	1,929.76	6,163.55	6,142.19	21.36	288.489		
3,000.00	2,816.04	1,490.00	1,459.56	17.52	6.81	98.05	-5,523.86	1,938.46	6,198.34	6,175.81	22.53	275.119		
3,100.00	2,898.85	1,522.86	1,491.24	18.60	7.00	98.19	-5,529.89	1,944.76	6,234.02	6,210.39	23.63	263.833		
3,200.00	2,981.67	1,557.80	1,524.89	19.69	7.20	98.34	-5,536.60	1,951.35	6,270.61	6,245.88	24.74	253.493		
3,300.00	3,064.48	1,584.00	1,550.10	20.79	7.35	98.46	-5,541.82	1,956.22	6,308.14	6,282.35	25.79	244.567		
3,400.00	3,147.30	1,639.99	1,603.90	21.90	7.68	98.70	-5,553.38	1,966.51	6,346.44	6,319.43	27.01	234.967		
3,500.00	3,230.11	1,690.31	1,652.20	23.00	7.97	98.92	-5,564.12	1,975.71	6,385.50	6,357.31	28.19	226.496		
3,600.00	3,312.92	1,740.00	1,703.82	24.12	8.27	99.53	-5,593.37	1,999.59	6,424.77	6,387.02	37.76	170.161		
3,700.00	3,395.74	1,799.76	1,765.52	25.23	8.58	101.19	-5,662.55	2,055.22	6,459.98	6,427.22	32.76	197.185		
3,800.00	3,478.55	2,240.00	2,184.76	26.35	10.99	101.36	-5,669.60	2,060.68	6,495.95	6,462.07	33.89	191.682		
3,900.00	3,561.36	2,346.69	2,288.74	27.47	11.54	101.83	-5,688.39	2,075.44	6,532.37	6,497.01	35.36	184.716		
4,000.00	3,644.18	2,385.10	2,326.16	28.59	11.75	102.00	-5,695.25	2,080.70	6,569.19	6,532.72	36.48	180.098		
4,100.00	3,726.99	2,437.90	2,377.59	29.72	12.02	102.23	-5,704.98	2,087.73	6,606.74	6,569.08	37.66	175.445		
4,200.00	3,809.81	2,549.59	2,486.43	30.85	12.61	102.72	-5,725.34	2,102.31	6,644.36	6,605.21	39.15	169.714		
4,300.00	3,892.62	2,606.44	2,541.79	31.98	12.91	102.97	-5,735.72	2,110.04	6,682.40	6,642.06	40.35	165.619		
4,400.00	3,975.43	2,647.21	2,581.42	33.11	13.13	103.14	-5,743.31	2,115.86	6,721.10	6,679.65	41.46	162.126		
4,500.00	4,058.25	2,685.14	2,618.21	34.24	13.34	103.30	-5,750.58	2,121.57	6,760.60	6,718.06	42.54	158.918		
4,600.00	4,141.06	2,838.38	2,766.53	35.37	14.20	103.90	-5,779.36	2,147.09	6,800.23	6,755.91	44.32	153.441		
4,700.00	4,223.87	2,897.64	2,823.96	36.50	14.53	104.14	-5,790.29	2,156.80	6,839.74	6,794.21	45.53	150.214		
4,800.00	4,306.69	2,969.99	2,894.09	37.64	14.93	104.42	-5,803.86	2,168.32	6,879.70	6,832.88	46.82	146.943		
4,900.00	4,389.50	3,059.63	2,980.98	38.77	15.43	104.77	-5,820.73	2,182.52	6,919.93	6,871.72	48.21	143.552		
5,000.00	4,472.32	3,135.54	3,054.61	39.91	15.85	105.07	-5,835.00	2,194.18	6,960.32	6,910.82	49.50	140.610		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 2-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	3,197.91	3,115.16	41.05	16.19	105.32	-5,846.90	2,203.22	7,001.10	6,950.39	50.71	138.066		
5,200.00	4,637.94	3,250.32	3,166.00	42.18	16.48	105.52	-5,857.09	2,210.90	7,042.42	6,990.58	51.85	135.826		
5,300.00	4,720.76	3,302.96	3,216.98	43.32	16.77	105.73	-5,867.53	2,218.81	7,084.31	7,031.32	52.99	133.700		
5,400.00	4,803.57	3,365.00	3,277.02	44.46	17.12	105.96	-5,880.10	2,228.11	7,126.76	7,072.58	54.18	131.542		
5,500.00	4,886.39	3,491.08	3,399.06	45.60	17.83	106.44	-5,905.13	2,247.46	7,169.08	7,113.30	55.78	128.528		
5,600.00	4,969.20	3,553.00	3,458.93	46.74	18.18	106.67	-5,917.39	2,257.46	7,211.64	7,154.67	56.97	126.585		
5,700.00	5,052.01	3,581.42	3,486.37	47.88	18.35	106.77	-5,923.15	2,262.13	7,254.80	7,196.86	57.94	125.212		
5,800.00	5,134.83	3,613.22	3,517.02	49.02	18.54	106.88	-5,929.80	2,267.36	7,298.72	7,239.80	58.92	123.870		
5,900.00	5,217.64	3,647.00	3,549.53	50.16	18.73	107.01	-5,937.10	2,272.89	7,343.38	7,283.48	59.91	122.576		
6,000.00	5,300.45	3,622.16	3,491.86	51.30	26.96	114.36	-6,132.93	2,455.80	7,384.56	7,314.23	70.33	104.999		
6,100.00	5,383.27	3,693.97	3,563.64	52.45	27.11	114.66	-6,131.11	2,454.69	7,408.69	7,337.22	71.47	103.663		
6,200.00	5,466.08	3,799.47	3,669.09	53.59	27.34	115.10	-6,128.40	2,452.99	7,433.13	7,360.44	72.68	102.267		
6,300.00	5,548.90	3,873.04	3,742.63	54.73	27.50	115.40	-6,126.41	2,451.92	7,457.79	7,383.97	73.82	101.031		
6,400.00	5,631.71	3,979.32	3,848.86	55.87	27.74	115.84	-6,123.49	2,450.40	7,482.78	7,407.76	75.02	99.737		
6,500.00	5,714.52	4,079.79	3,949.27	57.02	27.96	116.25	-6,120.40	2,448.99	7,507.80	7,431.59	76.21	98.510		
6,600.00	5,797.34	4,186.79	4,056.20	58.16	28.20	116.68	-6,116.82	2,447.63	7,532.95	7,455.53	77.41	97.307		
6,700.00	5,880.15	4,290.59	4,159.92	59.30	28.44	117.10	-6,112.98	2,446.43	7,558.11	7,479.50	78.60	96.156		
6,800.00	5,962.96	4,357.53	4,226.82	60.45	28.59	117.36	-6,110.52	2,445.73	7,583.62	7,503.93	79.69	95.161		
6,900.00	6,045.78	4,435.64	4,304.87	61.59	28.78	117.67	-6,107.77	2,445.16	7,609.58	7,528.77	80.81	94.168		
7,000.00	6,128.59	4,510.76	4,379.95	62.73	28.96	117.96	-6,105.18	2,445.00	7,635.90	7,553.99	81.91	93.219		
7,100.00	6,211.41	4,576.90	4,446.05	63.88	29.12	118.21	-6,103.01	2,445.24	7,662.65	7,579.66	82.99	92.331		
7,200.00	6,294.22	4,633.11	4,502.24	65.02	29.27	118.43	-6,101.36	2,445.61	7,689.96	7,605.93	84.04	91.508		
7,300.00	6,377.03	4,713.34	4,582.44	66.17	29.47	118.73	-6,099.20	2,446.20	7,717.77	7,632.62	85.14	90.643		
7,400.00	6,459.85	4,835.44	4,704.48	67.31	29.78	119.19	-6,095.60	2,446.33	7,745.69	7,659.33	86.36	89.687		
7,500.00	6,542.66	4,941.32	4,810.30	68.46	30.05	119.60	-6,091.94	2,445.26	7,773.49	7,685.98	87.52	88.824		
7,600.00	6,625.48	5,014.93	4,883.85	69.60	30.22	119.88	-6,089.33	2,444.04	7,801.55	7,712.98	88.57	88.086		
7,700.00	6,708.29	5,094.44	4,963.30	70.75	30.42	120.19	-6,086.57	2,442.54	7,829.97	7,740.35	89.63	87.361		
7,800.00	6,791.10	5,165.32	5,034.12	71.89	30.59	120.46	-6,084.16	2,441.31	7,858.76	7,768.10	90.66	86.685		
7,900.00	6,873.92	5,241.37	5,110.12	73.04	30.78	120.75	-6,081.72	2,439.95	7,887.98	7,796.29	91.70	86.021		
8,000.00	6,956.73	5,327.88	5,196.58	74.18	31.00	121.07	-6,078.91	2,438.77	7,917.45	7,824.68	92.76	85.351		
8,100.00	7,039.54	5,395.16	5,263.82	75.33	31.18	121.33	-6,076.81	2,437.89	7,947.29	7,853.52	93.77	84.755		
8,165.32	7,093.63	5,438.82	5,307.45	76.08	31.29	121.49	-6,075.52	2,437.28	7,967.02	7,872.60	94.42	84.379		
8,200.00	7,122.60	5,462.13	5,330.75	76.47	31.35	116.66	-6,074.85	2,436.94	7,976.57	7,881.80	94.77	84.170		
8,250.00	7,165.05	5,496.20	5,364.80	77.01	31.44	109.03	-6,073.90	2,436.42	7,986.87	7,891.59	95.28	83.828		
8,300.00	7,208.03	5,531.34	5,399.92	77.52	31.53	100.81	-6,072.95	2,435.86	7,993.01	7,897.21	95.80	83.438		
8,350.00	7,251.22	5,566.49	5,435.06	77.99	31.62	92.36	-6,072.04	2,435.25	7,994.94	7,898.63	96.31	83.009		
8,400.00	7,294.28	5,600.04	5,468.60	78.41	31.70	84.11	-6,071.19	2,434.63	7,992.66	7,895.84	96.82	82.551		
8,450.00	7,336.90	5,630.78	5,499.32	78.78	31.78	76.45	-6,070.46	2,434.10	7,986.20	7,888.89	97.31	82.071		
8,500.00	7,378.73	5,660.96	5,529.49	79.10	31.86	69.66	-6,069.79	2,433.63	7,975.61	7,877.84	97.78	81.569		
8,550.00	7,419.47	5,700.75	5,569.27	79.37	31.97	63.88	-6,068.96	2,433.12	7,960.96	7,862.70	98.26	81.017		
8,600.00	7,458.81	5,770.01	5,638.52	79.59	32.17	59.20	-6,067.49	2,433.30	7,942.22	7,843.39	98.83	80.358		
8,650.00	7,496.44	5,837.59	5,706.06	79.76	32.36	55.44	-6,065.96	2,434.89	7,919.47	7,820.09	99.38	79.687		
8,700.00	7,532.08	5,903.06	5,771.45	79.88	32.56	52.52	-6,064.37	2,437.61	7,892.89	7,792.99	99.91	79.002		
8,750.00	7,565.46	5,964.37	5,832.68	79.95	32.75	50.37	-6,062.67	2,440.19	7,862.70	7,762.30	100.40	78.314		
8,800.00	7,596.33	6,003.90	5,872.17	79.98	32.86	48.85	-6,061.45	2,441.72	7,829.18	7,728.39	100.78	77.683		
8,850.00	7,624.44	6,038.64	5,906.86	79.97	32.97	48.01	-6,060.33	2,442.93	7,792.62	7,691.50	101.13	77.058		
8,900.00	7,649.59	6,069.17	5,937.36	79.93	33.06	47.89	-6,059.31	2,443.87	7,753.32	7,651.89	101.43	76.441		
8,950.00	7,671.59	6,087.52	5,955.69	79.84	33.11	48.52	-6,058.68	2,444.39	7,711.57	7,609.91	101.66	75.855		
9,000.00	7,690.26	6,104.35	5,972.51	79.73	33.16	50.21	-6,058.10	2,444.83	7,667.69	7,565.83	101.87	75.270		
9,050.00	7,705.47	6,117.68	5,985.82	79.59	33.20	53.37	-6,057.65	2,445.16	7,622.02	7,519.97	102.04	74.695		
9,100.00	7,717.09	6,127.43	5,995.56	79.43	33.23	58.91	-6,057.31	2,445.39	7,574.87	7,472.69	102.18	74.131		
9,150.00	7,725.04	6,133.54	6,001.67	79.26	33.25	68.78	-6,057.10	2,445.52	7,526.60	7,424.31	102.29	73.579		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 2-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	8,135.99	8,004.12	79.06	33.25	87.04	-6,057.01	2,445.58	7,477.58	7,375.21	102.37	73.041		
9,231.13	7,730.00	8,135.66	8,003.79	78.93	33.25	104.79	-6,057.02	2,445.57	7,446.83	7,344.42	102.41	72.714		
9,300.00	7,730.00	8,133.36	8,001.49	78.65	33.25	104.68	-6,057.10	2,445.52	7,378.72	7,276.24	102.48	71.999		
9,400.00	7,730.00	8,130.01	7,998.15	78.26	33.24	104.51	-6,057.22	2,445.45	7,279.84	7,177.25	102.59	70.960		
9,500.00	7,730.00	8,126.68	7,994.81	77.89	33.23	104.34	-6,057.33	2,445.37	7,181.00	7,078.29	102.70	69.921		
9,600.00	7,730.00	8,123.35	7,991.49	77.53	33.22	104.17	-6,057.45	2,445.29	7,082.18	6,979.36	102.82	68.882		
9,700.00	7,730.00	8,120.02	7,988.17	77.19	33.21	104.00	-6,057.56	2,445.22	6,983.39	6,880.46	102.94	67.842		
9,800.00	7,730.00	8,116.71	7,984.85	76.88	33.20	103.83	-6,057.68	2,445.14	6,884.64	6,781.58	103.06	66.803		
9,900.00	7,730.00	8,113.40	7,981.55	76.58	33.19	103.66	-6,057.79	2,445.06	6,785.92	6,682.73	103.19	65.763		
10,000.00	7,730.00	8,110.10	7,978.25	76.30	33.18	103.49	-6,057.91	2,444.98	6,687.24	6,583.92	103.32	64.723		
10,100.00	7,730.00	8,106.80	7,974.95	76.04	33.17	103.32	-6,058.02	2,444.89	6,588.60	6,485.14	103.46	63.683		
10,200.00	7,730.00	8,103.51	7,971.67	75.79	33.16	103.15	-6,058.13	2,444.81	6,489.99	6,386.39	103.60	62.643		
10,300.00	7,730.00	8,100.23	7,968.39	75.57	33.15	102.98	-6,058.25	2,444.73	6,391.43	6,287.68	103.75	61.603		
10,400.00	7,730.00	8,096.95	7,965.12	75.36	33.14	102.81	-6,058.36	2,444.64	6,292.91	6,189.01	103.91	60.563		
10,500.00	7,730.00	8,093.68	7,961.85	75.18	33.13	102.64	-6,058.47	2,444.55	6,194.44	6,090.37	104.07	59.523		
10,600.00	7,730.00	8,090.42	7,958.59	75.01	33.12	102.47	-6,058.58	2,444.47	6,096.02	5,991.78	104.23	58.483		
10,700.00	7,730.00	8,087.16	7,955.34	74.86	33.11	102.30	-6,058.69	2,444.38	5,997.64	5,893.23	104.41	57.444		
10,800.00	7,730.00	8,083.91	7,952.09	74.74	33.10	102.14	-6,058.81	2,444.29	5,899.32	5,794.73	104.59	56.404		
10,900.00	7,730.00	8,080.67	7,948.85	74.64	33.09	101.97	-6,058.92	2,444.20	5,801.05	5,696.27	104.78	55.365		
11,000.00	7,730.00	8,077.43	7,945.62	74.56	33.08	101.80	-6,059.03	2,444.11	5,702.85	5,597.87	104.97	54.326		
11,100.00	7,730.00	8,076.69	7,944.87	74.51	33.08	101.76	-6,059.05	2,444.09	5,604.70	5,499.51	105.19	53.282		
11,200.00	7,730.00	8,072.81	7,941.00	74.48	33.07	101.56	-6,059.18	2,443.98	5,506.61	5,401.22	105.40	52.245		
11,300.00	7,730.00	8,068.98	7,937.17	74.48	33.06	101.36	-6,059.31	2,443.87	5,408.60	5,302.98	105.62	51.209		
11,400.00	7,730.00	8,065.17	7,933.37	74.50	33.05	101.16	-6,059.44	2,443.75	5,310.66	5,204.81	105.85	50.173		
11,500.00	7,730.00	8,061.40	7,929.60	74.56	33.04	100.96	-6,059.57	2,443.64	5,212.80	5,106.71	106.09	49.138		
11,600.00	7,730.00	8,057.67	7,925.87	74.66	33.02	100.77	-6,059.70	2,443.53	5,115.01	5,008.68	106.33	48.103		
11,700.00	7,730.00	8,053.97	7,922.18	74.79	33.01	100.57	-6,059.82	2,443.41	5,017.31	4,910.71	106.60	47.069		
11,800.00	7,730.00	8,050.30	7,918.52	74.96	33.00	100.38	-6,059.95	2,443.30	4,919.70	4,812.83	106.87	46.035		
11,900.00	7,730.00	8,046.67	7,914.89	75.17	32.99	100.19	-6,060.07	2,443.19	4,822.18	4,715.03	107.15	45.003		
12,000.00	7,730.00	8,043.07	7,911.29	75.43	32.98	100.00	-6,060.19	2,443.07	4,724.77	4,617.32	107.45	43.971		
12,100.00	7,730.00	8,039.50	7,907.73	75.73	32.97	99.82	-6,060.30	2,442.96	4,627.46	4,519.70	107.76	42.941		
12,200.00	7,730.00	8,035.97	7,904.19	76.09	32.96	99.63	-6,060.42	2,442.84	4,530.27	4,422.18	108.09	41.911		
12,300.00	7,730.00	8,032.46	7,900.69	76.51	32.95	99.44	-6,060.54	2,442.72	4,433.20	4,324.77	108.44	40.883		
12,400.00	7,730.00	8,028.99	7,897.22	76.97	32.94	99.26	-6,060.65	2,442.61	4,336.27	4,227.47	108.80	39.856		
12,500.00	7,730.00	8,025.55	7,893.79	77.50	32.93	99.08	-6,060.76	2,442.49	4,239.47	4,130.29	109.18	38.831		
12,600.00	7,730.00	8,022.14	7,890.38	78.09	32.92	98.90	-6,060.87	2,442.37	4,142.82	4,033.24	109.58	37.807		
12,700.00	7,730.00	8,018.75	7,887.00	78.74	32.91	98.72	-6,060.98	2,442.26	4,046.33	3,936.33	110.00	36.786		
12,800.00	7,730.00	8,015.40	7,883.65	79.45	32.90	98.54	-6,061.09	2,442.14	3,950.01	3,839.57	110.44	35.766		
12,900.00	7,730.00	8,012.08	7,880.33	80.22	32.89	98.37	-6,061.19	2,442.02	3,853.88	3,742.97	110.91	34.749		
13,000.00	7,730.00	8,008.78	7,877.04	81.05	32.88	98.19	-6,061.30	2,441.90	3,757.94	3,646.54	111.40	33.734		
13,100.00	7,730.00	8,005.51	7,873.77	81.94	32.87	98.02	-6,061.40	2,441.78	3,662.22	3,550.30	111.92	32.722		
13,200.00	7,730.00	8,002.27	7,870.54	82.87	32.86	97.85	-6,061.50	2,441.66	3,566.74	3,454.27	112.47	31.713		
13,300.00	7,730.00	7,999.06	7,867.33	83.86	32.85	97.68	-6,061.61	2,441.55	3,471.50	3,358.45	113.05	30.707		
13,400.00	7,730.00	7,995.88	7,864.15	84.90	32.84	97.51	-6,061.71	2,441.43	3,376.54	3,262.87	113.67	29.705		
13,500.00	7,730.00	7,992.72	7,860.99	85.97	32.83	97.34	-6,061.80	2,441.31	3,281.87	3,167.55	114.32	28.707		
13,600.00	7,730.00	7,989.59	7,857.87	87.09	32.82	97.17	-6,061.90	2,441.19	3,187.53	3,072.51	115.02	27.713		
13,700.00	7,730.00	7,986.48	7,854.77	88.25	32.81	97.01	-6,062.00	2,441.07	3,093.53	2,977.77	115.76	26.724		
13,800.00	7,730.00	7,983.40	7,851.69	89.44	32.80	96.84	-6,062.09	2,440.95	2,999.93	2,883.38	116.54	25.741		
13,900.00	7,730.00	7,982.44	7,850.73	90.66	32.80	96.79	-6,062.12	2,440.92	2,906.74	2,789.34	117.40	24.760		
14,000.00	7,730.00	7,978.90	7,847.20	91.92	32.79	96.60	-6,062.23	2,440.78	2,814.02	2,695.73	118.29	23.790		
14,100.00	7,730.00	7,975.42	7,843.71	93.20	32.78	96.42	-6,062.33	2,440.64	2,721.81	2,602.58	119.23	22.827		
14,200.00	7,730.00	7,971.98	7,840.28	94.50	32.77	96.23	-6,062.44	2,440.50	2,630.17	2,509.92	120.25	21.873		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 2-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,968.59	7,836.89	95.83	32.76	96.05	-6,062.54	2,440.36	2,539.16	2,417.82	121.33	20.927		
14,400.00	7,730.00	7,965.24	7,833.55	97.17	32.75	95.87	-6,062.64	2,440.23	2,448.84	2,326.35	122.49	19.991		
14,500.00	7,730.00	7,961.95	7,830.26	98.54	32.74	95.70	-6,062.74	2,440.09	2,359.30	2,235.56	123.74	19.067		
14,600.00	7,730.00	7,958.70	7,827.01	99.92	32.73	95.52	-6,062.83	2,439.96	2,270.63	2,145.56	125.07	18.155		
14,700.00	7,730.00	7,955.49	7,823.81	101.32	32.72	95.35	-6,062.93	2,439.82	2,182.93	2,056.44	126.50	17.257		
14,800.00	7,730.00	7,952.33	7,820.65	102.74	32.71	95.18	-6,063.02	2,439.69	2,096.34	1,968.31	128.03	16.374		
14,900.00	7,730.00	7,949.21	7,817.54	104.17	32.70	95.02	-6,063.11	2,439.57	2,010.98	1,881.32	129.66	15.509		
15,000.00	7,730.00	7,946.13	7,814.46	105.62	32.69	94.85	-6,063.20	2,439.44	1,927.02	1,795.61	131.41	14.664		
15,100.00	7,730.00	7,943.10	7,811.43	107.07	32.68	94.69	-6,063.29	2,439.31	1,844.66	1,711.39	133.28	13.841		
15,200.00	7,730.00	7,940.10	7,808.44	108.54	32.67	94.53	-6,063.37	2,439.19	1,764.12	1,628.86	135.26	13.042		
15,300.00	7,730.00	7,937.14	7,805.49	110.02	32.66	94.37	-6,063.45	2,439.06	1,685.67	1,548.30	137.36	12.272		
15,400.00	7,730.00	7,934.23	7,802.58	111.51	32.65	94.22	-6,063.54	2,438.94	1,609.59	1,470.02	139.57	11.532		
15,500.00	7,730.00	7,931.35	7,799.70	113.01	32.65	94.06	-6,063.62	2,438.82	1,536.26	1,394.39	141.87	10.828		
15,600.00	7,730.00	7,928.51	7,796.86	114.52	32.64	93.91	-6,063.69	2,438.70	1,466.07	1,321.83	144.24	10.164		
15,700.00	7,730.00	7,925.70	7,794.06	116.04	32.63	93.76	-6,063.77	2,438.58	1,399.52	1,252.88	146.64	9.544		
15,800.00	7,730.00	7,922.93	7,791.30	117.56	32.62	93.61	-6,063.85	2,438.46	1,337.12	1,188.12	149.01	8.974		
15,900.00	7,730.00	7,920.20	7,788.56	119.09	32.61	93.46	-6,063.92	2,438.34	1,279.51	1,128.24	151.27	8.459		
16,000.00	7,730.00	7,917.50	7,785.87	120.63	32.60	93.32	-6,063.99	2,438.23	1,227.34	1,074.02	153.32	8.005		
16,100.00	7,730.00	7,914.83	7,783.21	122.18	32.59	93.18	-6,064.06	2,438.12	1,181.34	1,026.30	155.05	7.619		
16,200.00	7,730.00	7,912.20	7,780.58	123.73	32.59	93.04	-6,064.13	2,438.00	1,142.27	985.96	156.30	7.308		
16,300.00	7,730.00	7,909.60	7,777.98	125.29	32.58	92.90	-6,064.20	2,437.89	1,110.83	953.89	156.94	7.078		
16,400.00	7,730.00	7,907.03	7,775.42	126.86	32.57	92.76	-6,064.27	2,437.78	1,087.71	930.86	156.85	6.935		
16,500.00	7,730.00	7,904.50	7,772.88	128.43	32.56	92.62	-6,064.34	2,437.67	1,073.44	917.52	155.93	6.884 SF		
16,600.00	7,730.00	7,901.99	7,770.38	130.01	32.56	92.49	-6,064.40	2,437.56	1,068.37	914.23	154.14	6.931 ES		
16,604.33	7,730.00	7,901.88	7,770.27	130.08	32.56	92.48	-6,064.40	2,437.56	1,068.36	914.32	154.05	6.935 CC		
16,700.00	7,730.00	7,899.52	7,767.91	131.59	32.55	92.36	-6,064.46	2,437.45	1,072.64	921.09	151.55	7.078		
16,800.00	7,730.00	7,897.07	7,765.47	133.18	32.54	92.22	-6,064.53	2,437.35	1,086.12	937.88	148.24	7.327		
16,900.00	7,730.00	7,907.54	7,775.91	134.77	32.57	92.79	-6,064.28	2,438.02	1,108.36	963.79	144.57	7.667		
17,000.00	7,730.00	7,903.89	7,772.27	136.37	32.56	92.59	-6,064.37	2,437.82	1,139.13	998.77	140.35	8.116		
17,100.00	7,730.00	7,900.26	7,768.65	137.97	32.54	92.40	-6,064.46	2,437.63	1,177.60	1,041.63	135.97	8.661		
17,200.00	7,730.00	7,896.66	7,765.05	139.57	32.53	92.20	-6,064.55	2,437.44	1,223.05	1,091.46	131.59	9.294		
17,300.00	7,730.00	7,893.07	7,761.47	141.18	32.52	92.01	-6,064.64	2,437.25	1,274.74	1,147.39	127.35	10.010		
17,400.00	7,730.00	7,889.51	7,757.91	142.79	32.51	91.82	-6,064.72	2,437.07	1,331.93	1,208.59	123.33	10.799		
17,500.00	7,730.00	7,885.96	7,754.37	144.41	32.50	91.63	-6,064.81	2,436.89	1,393.95	1,274.34	119.61	11.655		
17,600.00	7,730.00	7,882.44	7,750.86	146.03	32.49	91.44	-6,064.90	2,436.72	1,460.18	1,343.99	116.20	12.567		
17,700.00	7,730.00	7,878.94	7,747.36	147.65	32.48	91.25	-6,064.98	2,436.56	1,530.09	1,416.97	113.11	13.527		
17,800.00	7,730.00	7,875.46	7,743.88	149.28	32.47	91.07	-6,065.06	2,436.40	1,603.18	1,492.82	110.35	14.528		
17,900.00	7,730.00	7,872.00	7,740.42	150.91	32.46	90.88	-6,065.15	2,436.24	1,679.04	1,571.14	107.90	15.561		
18,000.00	7,730.00	7,868.55	7,736.99	152.54	32.45	90.70	-6,065.23	2,436.09	1,757.31	1,651.59	105.73	16.621		
18,100.00	7,730.00	7,865.13	7,733.57	154.18	32.44	90.51	-6,065.31	2,435.94	1,837.69	1,733.88	103.81	17.702		
18,200.00	7,730.00	7,861.73	7,730.17	155.82	32.43	90.33	-6,065.39	2,435.80	1,919.91	1,817.78	102.13	18.798		
18,300.00	7,730.00	7,858.34	7,726.79	157.46	32.42	90.15	-6,065.47	2,435.66	2,003.74	1,903.08	100.66	19.905		
18,400.00	7,730.00	7,854.98	7,723.42	159.11	32.41	89.97	-6,065.55	2,435.53	2,088.99	1,989.61	99.38	21.020		
18,500.00	7,730.00	7,851.63	7,720.08	160.75	32.41	89.79	-6,065.63	2,435.40	2,175.50	2,077.24	98.26	22.140		
18,600.00	7,730.00	7,848.30	7,716.76	162.40	32.40	89.61	-6,065.71	2,435.27	2,263.11	2,165.82	97.29	23.262		
18,700.00	7,730.00	7,844.99	7,713.45	164.05	32.39	89.44	-6,065.79	2,435.15	2,351.71	2,255.27	96.44	24.385		
18,800.00	7,730.00	7,841.70	7,710.16	165.71	32.38	89.26	-6,065.86	2,435.03	2,441.18	2,345.48	95.71	25.507		
18,900.00	7,730.00	7,838.43	7,706.90	167.36	32.37	89.08	-6,065.94	2,434.92	2,531.45	2,436.38	95.07	26.627		
18,942.39	7,730.00	7,837.05	7,705.51	168.07	32.36	89.01	-6,065.97	2,434.87	2,569.92	2,475.10	94.83	27.101		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 4-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 73-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	148.90	-5,442.61	3,282.63	6,355.96					
100.00	100.00	59.94	59.94	0.13	0.09	148.91	-5,442.76	3,282.54	6,356.02	6,355.80	0.22	N/A		
200.00	200.00	165.00	164.99	0.49	0.44	148.92	-5,443.34	3,281.48	6,355.96	6,355.03	0.93	6,836.378		
211.47	211.47	188.32	188.31	0.53	0.52	148.92	-5,443.50	3,281.09	6,355.88	6,354.83	1.05	6,029.656		
300.00	300.00	224.51	224.49	0.85	0.65	148.93	-5,443.94	3,280.65	6,356.25	6,354.75	1.50	4,234.624		
400.00	400.00	255.00	254.98	1.21	0.76	148.93	-5,444.48	3,280.44	6,357.56	6,355.59	1.97	3,228.284		
500.00	500.00	301.14	301.10	1.57	0.92	148.94	-5,445.65	3,280.42	6,359.81	6,357.32	2.49	2,552.175		
600.00	600.00	349.00	348.93	1.93	1.10	148.94	-5,447.33	3,280.80	6,363.10	6,360.08	3.02	2,106.767		
700.00	700.00	385.67	385.57	2.29	1.23	148.94	-5,448.87	3,281.31	6,367.27	6,363.76	3.51	1,814.758		
800.00	800.00	441.00	440.82	2.64	1.43	148.95	-5,451.46	3,282.35	6,372.22	6,368.16	4.06	1,568.713		
900.00	899.98	480.75	480.51	3.00	1.57	89.26	-5,453.59	3,283.26	6,377.96	6,373.41	4.56	1,399.681		
1,000.00	999.84	536.00	535.62	3.35	1.77	89.16	-5,457.12	3,284.70	6,384.60	6,379.49	5.11	1,250.649		
1,100.00	1,099.45	536.00	535.62	3.71	1.77	89.00	-5,457.12	3,284.70	6,392.18	6,386.72	5.46	1,170.657		
1,200.00	1,198.70	588.80	588.24	4.08	1.97	88.90	-5,461.23	3,286.35	6,400.56	6,394.54	6.02	1,063.773		
1,300.00	1,297.47	623.00	622.27	4.47	2.10	88.76	-5,464.37	3,287.60	6,410.06	6,403.54	6.52	983.319		
1,400.00	1,395.62	666.68	665.70	4.87	2.27	88.63	-5,468.75	3,289.34	6,420.45	6,413.37	7.08	907.144		
1,500.00	1,493.06	711.00	709.72	5.31	2.44	88.50	-5,473.49	3,291.21	6,431.56	6,423.90	7.66	839.245		
1,600.00	1,589.64	746.46	744.91	5.77	2.59	88.35	-5,477.49	3,292.95	6,443.53	6,435.29	8.25	781.121		
1,700.00	1,685.27	798.00	795.98	6.28	2.79	88.23	-5,483.66	3,296.18	6,456.54	6,447.60	8.93	722.957		
1,800.00	1,779.82	798.00	795.98	6.83	2.79	87.95	-5,483.66	3,296.18	6,470.35	6,460.89	9.46	683.959		
1,900.00	1,873.17	851.80	849.18	7.43	3.02	87.83	-5,490.59	3,300.16	6,485.02	6,474.77	10.24	633.266		
2,000.00	1,965.21	885.00	881.96	8.08	3.16	87.63	-5,495.14	3,302.78	6,500.57	6,489.58	10.99	591.400		
2,100.00	2,055.84	916.47	912.99	8.79	3.29	87.41	-5,499.66	3,305.45	6,517.04	6,505.25	11.79	552.635		
2,200.00	2,144.94	944.26	940.35	9.56	3.41	87.17	-5,503.84	3,308.02	6,534.46	6,521.83	12.63	517.187		
2,300.00	2,232.39	973.00	968.58	10.39	3.54	86.92	-5,508.35	3,310.89	6,552.83	6,539.29	13.54	484.024		
2,400.00	2,318.11	1,042.54	1,036.83	11.30	3.85	86.85	-5,519.58	3,318.04	6,571.86	6,557.19	14.67	448.011		
2,504.60	2,405.78	1,095.92	1,089.20	12.31	4.10	86.69	-5,528.37	3,323.52	6,592.26	6,576.41	15.85	416.017		
2,600.00	2,484.79	1,157.37	1,149.42	13.28	4.38	86.99	-5,538.81	3,329.95	6,611.60	6,594.59	17.01	388.635		
2,700.00	2,567.60	1,352.20	1,340.66	14.32	5.29	87.94	-5,570.19	3,350.00	6,631.59	6,612.78	18.80	352.704		
2,800.00	2,650.41	1,395.78	1,383.48	15.37	5.50	88.15	-5,577.06	3,354.24	6,651.58	6,631.60	19.97	333.023		
2,900.00	2,733.23	1,447.90	1,434.64	16.44	5.74	88.41	-5,585.64	3,359.23	6,672.45	6,651.27	21.19	314.895		
3,000.00	2,816.04	1,508.00	1,493.61	17.52	6.03	88.70	-5,595.73	3,364.95	6,694.03	6,671.59	22.45	298.220		
3,100.00	2,898.85	1,551.32	1,536.08	18.60	6.24	88.91	-5,603.21	3,369.08	6,716.41	6,692.78	23.64	284.163		
3,200.00	2,981.67	1,595.00	1,578.85	19.69	6.45	89.13	-5,611.01	3,373.32	6,739.71	6,714.88	24.83	271.457		
3,300.00	3,064.48	1,642.66	1,625.47	20.79	6.69	89.36	-5,619.78	3,377.94	6,763.86	6,737.82	26.04	259.757		
3,400.00	3,147.30	1,697.99	1,679.54	21.90	6.96	89.63	-5,630.27	3,383.18	6,788.79	6,761.51	27.29	248.808		
3,500.00	3,230.11	1,772.87	1,752.68	23.00	7.34	90.00	-5,644.55	3,390.47	6,814.33	6,785.71	28.62	238.082		
3,600.00	3,312.92	2,141.29	2,113.93	24.12	9.13	91.74	-5,706.67	3,427.11	6,838.92	6,807.62	31.30	218.482		
3,700.00	3,395.74	2,189.63	2,161.50	25.23	9.36	91.96	-5,713.87	3,431.81	6,862.08	6,829.55	32.53	210.955		
3,800.00	3,478.55	2,237.66	2,208.73	26.35	9.58	92.19	-5,721.36	3,436.25	6,886.05	6,852.30	33.75	204.023		
3,900.00	3,561.36	2,293.00	2,263.10	27.47	9.85	92.44	-5,730.27	3,441.46	6,910.82	6,875.82	35.00	197.426		
4,000.00	3,644.18	2,336.05	2,305.35	28.59	10.06	92.64	-5,737.35	3,445.65	6,936.36	6,900.16	36.20	191.622		
4,100.00	3,726.99	2,494.53	2,460.96	29.72	10.82	93.36	-5,762.71	3,461.79	6,962.16	6,924.23	37.93	183.533		
4,200.00	3,809.81	2,535.38	2,501.09	30.85	11.02	93.55	-5,769.13	3,465.85	6,987.99	6,948.88	39.11	178.656		
4,300.00	3,892.62	2,555.00	2,520.36	31.98	11.11	93.64	-5,772.32	3,467.78	7,014.74	6,974.56	40.19	174.555		
4,400.00	3,975.43	2,593.04	2,557.66	33.11	11.30	93.81	-5,778.78	3,471.52	7,042.43	7,001.09	41.34	170.350		
4,500.00	4,058.25	2,643.00	2,606.51	34.24	11.55	94.04	-5,787.97	3,476.48	7,071.31	7,028.76	42.55	166.196		
4,600.00	4,141.06	4,600.00	2,649.84	35.37	21.45	94.24	-5,796.20	3,480.87	7,100.78	7,049.62	51.16	138.783		
4,700.00	4,223.87	2,851.17	2,810.25	36.50	12.59	94.98	-5,825.11	3,497.59	7,129.87	7,084.37	45.50	156.709		
4,800.00	4,306.69	2,905.00	2,862.94	37.64	12.86	95.21	-5,834.39	3,503.47	7,159.36	7,112.65	46.72	153.252		
4,900.00	4,389.50	2,959.79	2,916.53	38.77	13.14	95.45	-5,844.02	3,509.54	7,189.51	7,141.58	47.94	149.981		
5,000.00	4,472.32	3,053.55	3,008.23	39.91	13.61	95.86	-5,860.91	3,519.38	7,220.23	7,170.87	49.35	146.300		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 4-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 73-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	3,193.24	3,145.16	41.05	14.30	96.49	-5,885.70	3,531.64	7,250.62	7,199.62	51.00	142.178		
5,200.00	4,637.94	3,264.85	3,215.37	42.18	14.65	96.80	-5,898.18	3,538.15	7,281.25	7,228.96	52.29	139.247		
5,300.00	4,720.76	3,363.11	3,311.72	43.32	15.14	97.23	-5,915.13	3,547.37	7,312.14	7,258.42	53.72	136.119		
5,400.00	4,803.57	3,452.29	3,399.24	44.46	15.57	97.62	-5,930.75	3,554.38	7,343.28	7,288.18	55.09	133.287		
5,500.00	4,886.39	3,551.86	3,496.94	45.60	16.06	98.05	-5,947.53	3,563.74	7,374.54	7,318.02	56.52	130.468		
5,600.00	4,969.20	3,634.68	3,578.18	46.74	16.46	98.40	-5,961.30	3,572.02	7,406.08	7,348.21	57.87	127.987		
5,700.00	5,052.01	3,878.97	3,818.49	47.88	17.62	99.43	-5,999.73	3,593.21	7,436.84	7,376.81	60.04	123.874		
5,800.00	5,134.83	3,951.41	3,889.87	49.02	17.96	99.74	-6,010.56	3,599.04	7,467.31	7,406.00	61.31	121.789		
5,900.00	5,217.64	4,000.84	3,938.54	50.16	18.19	99.94	-6,017.95	3,603.51	7,498.30	7,435.83	62.47	120.026		
6,000.00	5,300.45	4,064.78	4,001.43	51.30	18.49	100.20	-6,027.70	3,609.70	7,529.94	7,466.24	63.70	118.205		
6,100.00	5,383.27	4,127.00	4,062.63	52.45	18.79	100.45	-6,037.12	3,615.75	7,561.87	7,496.95	64.92	116.482		
6,200.00	5,466.08	5,204.00	5,131.40	53.59	23.12	104.91	-6,146.79	3,667.53	7,592.19	7,521.48	70.71	107.370		
6,300.00	5,548.90	5,462.40	5,389.68	54.73	23.92	105.99	-6,153.95	3,668.53	7,612.98	7,540.36	72.62	104.834		
6,400.00	5,631.71	5,627.85	5,555.09	55.87	24.39	106.69	-6,156.55	3,666.14	7,633.20	7,559.05	74.15	102.939		
6,500.00	5,714.52	5,929.52	5,856.64	57.02	25.18	107.97	-6,155.35	3,658.05	7,651.74	7,575.70	76.04	100.631		
6,600.00	5,797.34	6,017.78	5,944.85	58.16	25.40	108.34	-6,153.76	3,655.90	7,669.84	7,592.55	77.29	99.235		
6,700.00	5,880.15	6,108.89	6,035.92	59.30	25.63	108.72	-6,151.99	3,653.89	7,688.24	7,609.70	78.55	97.881		
6,800.00	5,962.96	6,201.66	6,128.66	60.45	25.86	109.10	-6,150.02	3,652.14	7,706.92	7,627.11	79.80	96.574		
6,900.00	6,045.78	6,302.27	6,229.23	61.59	26.12	109.52	-6,147.67	3,650.49	7,725.81	7,644.73	81.08	95.288		
7,000.00	6,128.59	6,405.05	6,331.96	62.73	26.38	109.93	-6,145.00	3,648.84	7,744.86	7,662.50	82.35	94.044		
7,100.00	6,211.41	6,465.94	6,392.83	63.88	26.54	110.18	-6,143.42	3,648.01	7,764.29	7,680.78	83.51	92.976		
7,200.00	6,294.22	6,530.43	6,457.30	65.02	26.71	110.44	-6,141.87	3,647.35	7,784.28	7,699.61	84.67	91.941		
7,300.00	6,377.03	6,601.87	6,528.72	66.17	26.90	110.72	-6,140.29	3,646.90	7,804.79	7,718.95	85.84	90.922		
7,400.00	6,459.85	6,685.21	6,612.03	67.31	27.13	111.05	-6,138.42	3,646.84	7,825.68	7,738.63	87.05	89.901		
7,500.00	6,542.66	6,768.01	6,694.81	68.46	27.35	111.37	-6,136.50	3,647.31	7,846.90	7,758.65	88.25	88.916		
7,600.00	6,625.48	6,847.96	6,774.74	69.60	27.58	111.67	-6,134.66	3,647.95	7,868.48	7,779.03	89.44	87.973		
7,700.00	6,708.29	6,927.99	6,854.74	70.75	27.80	111.98	-6,132.85	3,648.68	7,890.41	7,799.78	90.63	87.064		
7,800.00	6,791.10	7,007.86	6,934.59	71.89	28.03	112.28	-6,131.07	3,649.49	7,912.69	7,820.88	91.81	86.186		
7,900.00	6,873.92	7,087.81	7,014.52	73.04	28.26	112.58	-6,129.33	3,650.37	7,935.33	7,842.35	92.99	85.339		
8,000.00	6,956.73	7,167.00	7,093.68	74.18	28.48	112.88	-6,127.64	3,651.31	7,958.32	7,864.17	94.16	84.523		
8,100.00	7,039.54	7,246.17	7,172.83	75.33	28.71	113.17	-6,126.00	3,652.33	7,981.67	7,886.35	95.32	83.735		
8,165.32	7,093.63	7,301.68	7,228.32	76.08	28.87	113.38	-6,124.87	3,653.04	7,997.10	7,901.01	96.09	83.226		
8,200.00	7,122.60	7,333.03	7,259.66	76.47	28.96	108.71	-6,124.23	3,653.35	8,004.31	7,907.81	96.50	82.943		
8,250.00	7,165.05	7,378.74	7,305.36	77.01	29.10	101.24	-6,123.28	3,653.67	8,011.13	7,914.03	97.10	82.501		
8,300.00	7,208.03	7,424.74	7,351.35	77.52	29.23	93.13	-6,122.33	3,653.83	8,013.67	7,915.97	97.70	82.021		
8,350.00	7,251.22	7,467.21	7,393.81	77.99	29.35	84.71	-6,121.44	3,653.85	8,011.92	7,913.64	98.28	81.521		
8,400.00	7,294.28	7,506.93	7,433.53	78.41	29.47	76.44	-6,120.63	3,653.83	8,005.92	7,907.09	98.83	81.003		
8,450.00	7,336.90	7,546.13	7,472.72	78.78	29.58	68.70	-6,119.84	3,653.79	7,995.72	7,896.35	99.37	80.466		
8,500.00	7,378.73	7,584.52	7,511.10	79.10	29.69	61.77	-6,119.09	3,653.72	7,981.37	7,881.50	99.87	79.914		
8,550.00	7,419.47	7,621.80	7,548.37	79.37	29.80	55.74	-6,118.37	3,653.63	7,963.00	7,862.65	100.35	79.351		
8,600.00	7,458.81	7,657.24	7,583.81	79.59	29.90	50.61	-6,117.71	3,653.56	7,940.72	7,839.92	100.80	78.780		
8,650.00	7,496.44	7,691.16	7,617.72	79.76	30.00	46.29	-6,117.08	3,653.54	7,914.70	7,813.50	101.21	78.203		
8,700.00	7,532.08	7,723.26	7,649.82	79.88	30.09	42.68	-6,116.50	3,653.55	7,885.13	7,783.55	101.58	77.624		
8,750.00	7,565.46	7,753.30	7,679.85	79.95	30.18	39.67	-6,115.97	3,653.60	7,852.22	7,750.30	101.92	77.045		
8,800.00	7,596.33	7,781.03	7,707.58	79.98	30.26	37.17	-6,115.49	3,653.67	7,816.20	7,713.98	102.22	76.467		
8,850.00	7,624.44	7,807.43	7,733.97	79.97	30.34	35.09	-6,115.03	3,653.75	7,777.34	7,674.85	102.48	75.890		
8,900.00	7,649.59	7,831.91	7,758.45	79.93	30.41	33.36	-6,114.62	3,653.83	7,735.91	7,633.19	102.71	75.316		
8,950.00	7,671.59	7,853.19	7,779.72	79.84	30.47	31.91	-6,114.25	3,653.91	7,692.22	7,589.31	102.90	74.751		
9,000.00	7,690.26	7,871.11	7,797.64	79.73	30.53	30.66	-6,113.94	3,653.97	7,646.60	7,543.54	103.06	74.196		
9,050.00	7,705.47	7,885.53	7,812.05	79.59	30.57	29.50	-6,113.70	3,654.02	7,599.38	7,496.20	103.18	73.653		
9,100.00	7,717.09	7,896.34	7,822.86	79.43	30.60	28.24	-6,113.51	3,654.05	7,550.91	7,447.65	103.26	73.124		
9,150.00	7,725.04	7,903.46	7,829.98	79.26	30.62	26.08	-6,113.39	3,654.08	7,501.57	7,398.26	103.31	72.611		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 4-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 73-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,906.84	7,833.36	79.06	30.63	13.67	-6,113.33	3,654.09	7,451.72	7,348.39	103.33	72.114		
9,231.13	7,730.00	7,907.04	7,833.56	78.93	30.63	-130.28	-6,113.33	3,654.09	7,420.59	7,317.26	103.33	71.815		
9,300.00	7,730.00	7,905.86	7,832.38	78.65	30.63	-130.02	-6,113.35	3,654.09	7,351.75	7,248.44	103.31	71.160		
9,400.00	7,730.00	7,904.15	7,830.67	78.26	30.62	-129.63	-6,113.38	3,654.08	7,251.79	7,148.50	103.29	70.210		
9,500.00	7,730.00	7,902.43	7,828.96	77.89	30.62	-129.24	-6,113.41	3,654.07	7,151.82	7,048.56	103.26	69.259		
9,600.00	7,730.00	7,900.72	7,827.25	77.53	30.61	-128.85	-6,113.44	3,654.07	7,051.86	6,948.62	103.24	68.308		
9,700.00	7,730.00	7,899.01	7,825.54	77.19	30.61	-128.45	-6,113.47	3,654.06	6,951.90	6,848.68	103.21	67.356		
9,800.00	7,730.00	7,897.30	7,823.83	76.88	30.60	-128.04	-6,113.50	3,654.06	6,851.93	6,748.75	103.18	66.405		
9,900.00	7,730.00	7,895.59	7,822.12	76.58	30.60	-127.63	-6,113.53	3,654.05	6,751.97	6,648.81	103.16	65.452		
10,000.00	7,730.00	7,893.88	7,820.40	76.30	30.59	-127.22	-6,113.55	3,654.05	6,652.01	6,548.88	103.13	64.500		
10,100.00	7,730.00	7,892.17	7,818.69	76.04	30.59	-126.80	-6,113.58	3,654.04	6,552.05	6,448.95	103.11	63.547		
10,200.00	7,730.00	7,890.45	7,816.98	75.79	30.58	-126.38	-6,113.61	3,654.03	6,452.09	6,349.01	103.08	62.594		
10,300.00	7,730.00	7,888.74	7,815.27	75.57	30.58	-125.95	-6,113.64	3,654.03	6,352.13	6,249.08	103.05	61.641		
10,400.00	7,730.00	7,887.03	7,813.56	75.36	30.57	-125.52	-6,113.67	3,654.02	6,252.18	6,149.15	103.02	60.687		
10,500.00	7,730.00	7,885.32	7,811.85	75.18	30.57	-125.09	-6,113.70	3,654.02	6,152.22	6,049.23	102.99	59.733		
10,600.00	7,730.00	7,883.61	7,810.14	75.01	30.56	-124.65	-6,113.73	3,654.01	6,052.26	5,949.30	102.97	58.779		
10,700.00	7,730.00	7,881.90	7,808.42	74.86	30.56	-124.20	-6,113.76	3,654.00	5,952.31	5,849.37	102.94	57.825		
10,800.00	7,730.00	7,880.18	7,806.71	74.74	30.55	-123.75	-6,113.79	3,654.00	5,852.36	5,749.45	102.91	56.870		
10,900.00	7,730.00	7,878.47	7,805.00	74.64	30.55	-123.29	-6,113.82	3,653.99	5,752.40	5,649.53	102.88	55.915		
11,000.00	7,730.00	7,876.76	7,803.29	74.56	30.54	-122.83	-6,113.85	3,653.99	5,652.45	5,549.61	102.85	54.960		
11,100.00	7,730.00	7,875.05	7,801.58	74.51	30.54	-122.37	-6,113.88	3,653.98	5,552.50	5,449.69	102.81	54.005		
11,200.00	7,730.00	7,873.34	7,799.87	74.48	30.53	-121.90	-6,113.91	3,653.98	5,452.55	5,349.77	102.78	53.049		
11,300.00	7,730.00	7,871.63	7,798.16	74.48	30.53	-121.42	-6,113.94	3,653.97	5,352.61	5,249.86	102.75	52.094		
11,400.00	7,730.00	7,869.91	7,796.44	74.50	30.52	-120.94	-6,113.97	3,653.96	5,252.66	5,149.95	102.72	51.138		
11,500.00	7,730.00	7,868.20	7,794.73	74.56	30.52	-120.46	-6,113.99	3,653.96	5,152.72	5,050.04	102.68	50.182		
11,600.00	7,730.00	7,866.49	7,793.02	74.66	30.51	-119.97	-6,114.02	3,653.95	5,052.77	4,950.13	102.65	49.226		
11,700.00	7,730.00	7,864.78	7,791.31	74.79	30.51	-119.47	-6,114.05	3,653.95	4,952.83	4,850.22	102.61	48.269		
11,800.00	7,730.00	7,863.06	7,789.60	74.96	30.50	-118.97	-6,114.08	3,653.94	4,852.89	4,750.32	102.57	47.313		
11,900.00	7,730.00	7,861.35	7,787.88	75.17	30.50	-118.47	-6,114.11	3,653.93	4,752.96	4,650.43	102.53	46.356		
12,000.00	7,730.00	7,859.64	7,786.17	75.43	30.49	-117.96	-6,114.14	3,653.93	4,653.02	4,550.53	102.49	45.400		
12,100.00	7,730.00	7,857.93	7,784.46	75.73	30.49	-117.44	-6,114.17	3,653.92	4,553.09	4,450.64	102.45	44.443		
12,200.00	7,730.00	7,856.22	7,782.75	76.09	30.48	-116.92	-6,114.20	3,653.92	4,453.16	4,350.75	102.40	43.486		
12,300.00	7,730.00	7,854.50	7,781.04	76.51	30.48	-116.40	-6,114.23	3,653.91	4,353.23	4,250.87	102.36	42.529		
12,400.00	7,730.00	7,852.79	7,779.33	76.97	30.47	-115.87	-6,114.26	3,653.91	4,253.30	4,150.99	102.31	41.572		
12,500.00	7,730.00	7,851.08	7,777.61	77.50	30.47	-115.34	-6,114.29	3,653.90	4,153.38	4,051.12	102.26	40.615		
12,600.00	7,730.00	7,849.37	7,775.90	78.09	30.46	-114.80	-6,114.32	3,653.89	4,053.46	3,951.25	102.21	39.658		
12,700.00	7,730.00	7,847.65	7,774.19	78.74	30.46	-114.25	-6,114.35	3,653.89	3,953.55	3,851.39	102.16	38.701		
12,800.00	7,730.00	7,845.94	7,772.48	79.45	30.45	-113.70	-6,114.38	3,653.88	3,853.63	3,751.53	102.10	37.744		
12,900.00	7,730.00	7,844.23	7,770.76	80.22	30.45	-113.15	-6,114.40	3,653.88	3,753.72	3,651.68	102.04	36.786		
13,000.00	7,730.00	7,842.52	7,769.05	81.05	30.44	-112.59	-6,114.43	3,653.87	3,653.82	3,551.84	101.98	35.829		
13,100.00	7,730.00	7,840.80	7,767.34	81.94	30.44	-112.03	-6,114.46	3,653.86	3,553.92	3,452.01	101.91	34.872		
13,200.00	7,730.00	7,839.09	7,765.63	82.87	30.43	-111.46	-6,114.49	3,653.86	3,454.03	3,352.18	101.84	33.915		
13,300.00	7,730.00	7,837.38	7,763.92	83.86	30.43	-110.89	-6,114.52	3,653.85	3,354.14	3,252.36	101.77	32.958		
13,400.00	7,730.00	7,835.67	7,762.20	84.90	30.42	-110.32	-6,114.55	3,653.85	3,254.25	3,152.56	101.69	32.001		
13,500.00	7,730.00	7,833.95	7,760.49	85.97	30.42	-109.74	-6,114.58	3,653.84	3,154.37	3,052.76	101.61	31.044		
13,600.00	7,730.00	7,832.24	7,758.78	87.09	30.41	-109.15	-6,114.61	3,653.84	3,054.50	2,952.98	101.52	30.087		
13,700.00	7,730.00	7,830.53	7,757.07	88.25	30.41	-108.56	-6,114.64	3,653.83	2,954.64	2,853.21	101.43	29.130		
13,800.00	7,730.00	7,828.82	7,755.35	89.44	30.40	-107.97	-6,114.67	3,653.82	2,854.79	2,753.46	101.33	28.173		
13,900.00	7,730.00	7,827.10	7,753.64	90.66	30.40	-107.37	-6,114.70	3,653.82	2,754.94	2,653.72	101.22	27.216		
14,000.00	7,730.00	7,825.39	7,751.93	91.92	30.39	-106.77	-6,114.73	3,653.81	2,655.11	2,554.00	101.11	26.260		
14,100.00	7,730.00	7,823.68	7,750.22	93.20	30.39	-106.17	-6,114.76	3,653.81	2,555.29	2,454.30	100.98	25.304		
14,200.00	7,730.00	7,821.96	7,748.50	94.50	30.38	-105.56	-6,114.79	3,653.80	2,455.48	2,354.63	100.85	24.348		

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 4-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 73-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,820.25	7,746.79	95.83	30.37	-104.95	-6,114.82	3,653.80	2,355.69	2,254.98	100.71	23.392		
14,400.00	7,730.00	7,818.54	7,745.08	97.17	30.37	-104.33	-6,114.84	3,653.79	2,255.91	2,155.36	100.55	22.436		
14,500.00	7,730.00	7,816.83	7,743.36	98.54	30.36	-103.71	-6,114.87	3,653.78	2,156.15	2,055.77	100.38	21.480		
14,600.00	7,730.00	7,815.11	7,741.65	99.92	30.36	-103.09	-6,114.90	3,653.78	2,056.42	1,956.23	100.19	20.525		
14,700.00	7,730.00	7,813.40	7,739.94	101.32	30.35	-102.46	-6,114.93	3,653.77	1,956.71	1,856.72	99.98	19.570		
14,800.00	7,730.00	7,811.69	7,738.23	102.74	30.35	-101.84	-6,114.96	3,653.77	1,857.03	1,757.27	99.76	18.616		
14,900.00	7,730.00	7,809.97	7,736.51	104.17	30.34	-101.20	-6,114.99	3,653.76	1,757.38	1,657.88	99.51	17.661		
15,000.00	7,730.00	7,808.26	7,734.80	105.62	30.34	-100.57	-6,115.02	3,653.76	1,657.78	1,558.55	99.23	16.707		
15,100.00	7,730.00	7,806.55	7,733.09	107.07	30.33	-99.93	-6,115.05	3,653.75	1,558.22	1,459.31	98.91	15.754		
15,200.00	7,730.00	7,804.83	7,731.37	108.54	30.33	-99.29	-6,115.08	3,653.74	1,458.73	1,360.17	98.56	14.801		
15,300.00	7,730.00	7,803.12	7,729.66	110.02	30.32	-98.65	-6,115.11	3,653.74	1,359.30	1,261.14	98.16	13.848		
15,400.00	7,730.00	7,801.41	7,727.95	111.51	30.32	-98.00	-6,115.14	3,653.73	1,259.97	1,162.26	97.70	12.896		
15,500.00	7,730.00	7,799.69	7,726.24	113.01	30.31	-97.36	-6,115.17	3,653.73	1,160.74	1,063.56	97.18	11.944		
15,600.00	7,730.00	7,797.98	7,724.52	114.52	30.31	-96.71	-6,115.20	3,653.72	1,061.66	965.09	96.58	10.993		
15,700.00	7,730.00	7,796.27	7,722.81	116.04	30.30	-96.06	-6,115.23	3,653.71	962.77	866.90	95.87	10.042		
15,800.00	7,730.00	7,794.55	7,721.10	117.56	30.30	-95.41	-6,115.26	3,653.71	864.12	769.08	95.05	9.092		
15,900.00	7,730.00	7,792.84	7,719.38	119.09	30.29	-94.75	-6,115.28	3,653.70	765.83	671.75	94.08	8.141		
16,000.00	7,730.00	7,791.15	7,717.69	120.63	30.29	-94.11	-6,115.31	3,653.70	668.03	575.09	92.94	7.187		
16,100.00	7,730.00	7,789.45	7,715.99	122.18	30.28	-93.46	-6,115.34	3,653.69	571.00	479.34	91.66	6.229		
16,200.00	7,730.00	7,787.75	7,714.29	123.73	30.28	-92.80	-6,115.37	3,653.69	475.19	384.83	90.36	5.259		
16,300.00	7,730.00	7,786.05	7,712.59	125.29	30.27	-92.15	-6,115.40	3,653.68	381.53	291.92	89.61	4.258		
16,400.00	7,730.00	7,784.34	7,710.88	126.86	30.27	-91.49	-6,115.43	3,653.68	292.09	200.54	91.55	3.190		
16,500.00	7,730.00	7,782.63	7,709.17	128.43	30.26	-90.84	-6,115.46	3,653.67	212.29	109.09	103.20	2.057		
16,600.00	7,730.00	7,780.91	7,707.46	130.01	30.26	-90.18	-6,115.49	3,653.67	157.51	22.16	135.35	1.164 Level 2		
16,651.32	7,730.00	7,780.03	7,706.58	130.82	30.26	-89.84	-6,115.51	3,653.66	148.91	-4.64	153.55	0.970 Level 1, CC		
16,700.00	7,730.00	7,779.19	7,705.74	131.59	30.25	-89.51	-6,115.52	3,653.66	156.66	-5.08	161.74	0.969 Level 1, ES, SF		
16,800.00	7,730.00	7,777.47	7,704.02	133.18	30.25	-88.85	-6,115.55	3,653.66	210.41	55.89	154.53	1.362 Level 3		
16,900.00	7,730.00	7,775.74	7,702.29	134.77	30.24	-88.19	-6,115.58	3,653.65	289.82	147.63	142.20	2.038		
17,000.00	7,730.00	7,774.01	7,700.56	136.37	30.24	-87.52	-6,115.61	3,653.65	379.10	245.57	133.53	2.839		
17,100.00	7,730.00	7,772.28	7,698.83	137.97	30.23	-86.86	-6,115.64	3,653.64	472.68	344.90	127.79	3.699		
17,200.00	7,730.00	7,770.54	7,697.09	139.57	30.23	-86.19	-6,115.67	3,653.64	568.45	444.60	123.85	4.590		
17,300.00	7,730.00	7,768.80	7,695.35	141.18	30.22	-85.53	-6,115.70	3,653.63	665.46	544.44	121.02	5.499		
17,400.00	7,730.00	7,767.06	7,693.60	142.79	30.22	-84.86	-6,115.73	3,653.63	763.24	644.32	118.92	6.418		
17,500.00	7,730.00	7,765.31	7,691.86	144.41	30.21	-84.19	-6,115.76	3,653.62	861.52	744.22	117.30	7.345		
17,600.00	7,730.00	7,763.56	7,690.10	146.03	30.21	-83.52	-6,115.79	3,653.62	960.16	844.14	116.02	8.276		
17,700.00	7,730.00	7,761.80	7,688.35	147.65	30.20	-82.86	-6,115.82	3,653.62	1,059.04	944.06	114.98	9.210		
17,800.00	7,730.00	7,760.04	7,686.59	149.28	30.20	-82.19	-6,115.85	3,653.61	1,158.12	1,043.99	114.14	10.147		
17,900.00	7,730.00	7,758.28	7,684.82	150.91	30.19	-81.53	-6,115.88	3,653.61	1,257.34	1,143.91	113.43	11.085		
18,000.00	7,730.00	7,756.51	7,683.06	152.54	30.19	-80.86	-6,115.91	3,653.60	1,356.67	1,243.85	112.83	12.024		
18,100.00	7,730.00	7,754.74	7,681.28	154.18	30.18	-80.20	-6,115.95	3,653.60	1,456.10	1,343.78	112.32	12.964		
18,200.00	7,730.00	7,752.96	7,679.51	155.82	30.18	-79.54	-6,115.98	3,653.60	1,555.59	1,443.72	111.87	13.905		
18,300.00	7,730.00	7,751.18	7,677.73	157.46	30.17	-78.87	-6,116.01	3,653.59	1,655.14	1,543.65	111.49	14.846		
18,400.00	7,730.00	7,749.40	7,675.95	159.11	30.17	-78.22	-6,116.04	3,653.59	1,754.75	1,643.59	111.15	15.787		
18,500.00	7,730.00	7,747.61	7,674.16	160.75	30.16	-77.56	-6,116.07	3,653.59	1,854.39	1,743.53	110.86	16.728		
18,600.00	7,730.00	7,745.82	7,672.37	162.40	30.16	-76.90	-6,116.10	3,653.58	1,954.07	1,843.47	110.59	17.669		
18,700.00	7,730.00	7,744.03	7,670.57	164.05	30.15	-76.25	-6,116.13	3,653.58	2,053.77	1,943.42	110.36	18.610		
18,800.00	7,730.00	7,742.23	7,668.78	165.71	30.15	-75.60	-6,116.17	3,653.58	2,153.51	2,043.36	110.15	19.551		
18,900.00	7,730.00	7,740.42	7,666.97	167.36	30.14	-74.95	-6,116.20	3,653.57	2,253.26	2,143.30	109.96	20.491		
18,942.39	7,730.00	7,739.66	7,666.21	168.07	30.14	-74.67	-6,116.21	3,653.57	2,295.56	2,185.67	109.89	20.890		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT ALAUX 26-5 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	161.50	-5,370.64	1,796.89	5,663.28					
100.00	100.00	66.55	66.55	0.13	0.11	161.50	-5,370.77	1,796.84	5,663.40	5,663.16	0.24	N/A		
200.00	200.00	174.00	174.00	0.49	0.42	161.50	-5,371.23	1,796.70	5,663.77	5,662.86	0.91	6,202.163		
300.00	300.00	315.11	315.10	0.85	0.91	161.51	-5,371.00	1,796.58	5,663.59	5,661.83	1.76	3,217.680		
400.00	400.00	421.14	421.14	1.21	1.28	161.50	-5,370.33	1,796.59	5,663.00	5,660.51	2.48	2,278.927		
500.00	500.00	574.17	574.16	1.57	1.81	161.49	-5,368.71	1,797.17	5,662.22	5,658.84	3.38	1,674.167		
600.00	600.00	669.45	669.41	1.93	2.15	161.48	-5,366.75	1,797.91	5,660.53	5,656.45	4.08	1,387.910		
700.00	700.00	755.15	755.10	2.29	2.46	161.47	-5,365.32	1,798.62	5,659.20	5,654.46	4.74	1,193.441		
800.00	800.00	846.36	846.29	2.64	2.78	161.46	-5,363.93	1,799.41	5,658.04	5,652.61	5.43	1,042.860		
897.96	897.94	922.83	922.75	2.99	3.05	101.88	-5,362.86	1,800.26	5,657.45	5,651.40	6.05	935.840		
900.00	899.98	924.05	923.97	3.00	3.06	101.88	-5,362.85	1,800.28	5,657.45	5,651.39	6.06	934.053		
1,000.00	999.84	983.52	983.44	3.35	3.27	101.89	-5,362.36	1,801.12	5,658.19	5,651.57	6.62	854.481		
1,100.00	1,099.45	1,060.21	1,060.11	3.71	3.54	101.90	-5,362.14	1,802.45	5,660.27	5,653.01	7.25	780.379		
1,200.00	1,198.70	1,161.40	1,161.28	4.08	3.90	101.95	-5,362.01	1,804.41	5,663.29	5,655.31	7.98	709.524		
1,300.00	1,297.47	1,281.77	1,281.64	4.47	4.33	102.05	-5,361.82	1,805.81	5,666.80	5,658.01	8.79	644.328		
1,400.00	1,395.62	1,372.87	1,372.74	4.87	4.65	102.14	-5,361.74	1,806.15	5,670.91	5,661.39	9.52	595.734		
1,500.00	1,493.06	1,476.67	1,476.55	5.31	5.00	102.27	-5,361.88	1,806.16	5,675.92	5,665.61	10.31	550.755		
1,600.00	1,589.64	1,598.13	1,598.00	5.77	5.42	102.47	-5,361.69	1,806.03	5,681.47	5,670.28	11.19	507.871		
1,700.00	1,685.27	1,690.83	1,690.70	6.28	5.74	102.62	-5,361.37	1,805.87	5,687.69	5,675.68	12.01	473.534		
1,800.00	1,779.82	1,778.35	1,778.21	6.83	6.04	102.76	-5,361.22	1,805.46	5,694.92	5,682.07	12.86	442.996		
1,900.00	1,873.17	1,921.27	1,921.12	7.43	6.54	103.13	-5,360.72	1,803.70	5,702.75	5,688.82	13.94	409.173		
2,000.00	1,965.21	1,998.24	1,998.08	8.08	6.81	103.26	-5,360.30	1,802.47	5,711.35	5,696.51	14.84	384.805		
2,100.00	2,055.84	2,088.07	2,087.90	8.79	7.12	103.46	-5,359.99	1,800.85	5,721.16	5,705.32	15.84	361.071		
2,200.00	2,144.94	2,179.71	2,179.52	9.56	7.44	103.67	-5,359.72	1,798.95	5,732.10	5,715.19	16.91	338.971		
2,300.00	2,232.39	2,268.09	2,267.88	10.39	7.75	103.86	-5,359.41	1,797.13	5,744.19	5,726.17	18.02	318.721		
2,400.00	2,318.11	2,358.92	2,358.69	11.30	8.06	104.07	-5,359.06	1,795.20	5,757.51	5,738.30	19.20	299.819		
2,504.60	2,405.78	2,469.29	2,469.02	12.31	8.45	104.39	-5,358.48	1,792.41	5,772.66	5,752.10	20.56	280.806		
2,600.00	2,484.79	2,540.14	2,539.84	13.28	8.70	104.79	-5,358.01	1,790.15	5,787.18	5,765.46	21.72	266.391		
2,700.00	2,567.60	2,600.00	2,599.68	14.32	8.91	105.12	-5,357.74	1,788.64	5,803.21	5,780.30	22.91	253.310		
2,800.00	2,650.41	2,649.90	2,649.56	15.37	9.09	105.40	-5,357.70	1,787.62	5,820.14	5,796.07	24.07	241.830		
2,900.00	2,733.23	2,701.02	2,700.67	16.44	9.27	105.69	-5,357.92	1,786.67	5,838.03	5,812.79	25.23	231.351		
3,000.00	2,816.04	2,918.18	2,917.80	17.52	10.03	106.87	-5,357.26	1,783.53	5,856.26	5,829.25	27.01	216.848		
3,100.00	2,898.85	3,035.97	3,035.56	18.60	10.45	107.50	-5,354.62	1,782.54	5,873.12	5,844.69	28.42	206.618		
3,200.00	2,981.67	3,108.49	3,108.05	19.69	10.71	107.89	-5,352.91	1,781.72	5,890.36	5,860.68	29.68	198.448		
3,300.00	3,064.48	3,166.46	3,166.01	20.79	10.92	108.20	-5,351.77	1,780.85	5,908.35	5,877.46	30.89	191.294		
3,400.00	3,147.30	3,221.96	3,221.50	21.90	11.11	108.50	-5,350.95	1,779.82	5,927.17	5,895.09	32.08	184.772		
3,500.00	3,230.11	3,273.90	3,273.41	23.00	11.30	108.78	-5,350.51	1,778.45	5,946.88	5,913.62	33.25	178.836		
3,600.00	3,312.92	3,366.94	3,366.39	24.12	11.63	109.29	-5,350.13	1,775.17	5,967.35	5,932.78	34.57	172.597		
3,700.00	3,395.74	3,449.96	3,449.36	25.23	11.92	109.75	-5,349.50	1,772.00	5,988.01	5,952.15	35.85	167.010		
3,800.00	3,478.55	3,523.36	3,522.70	26.35	12.19	110.15	-5,349.10	1,769.23	6,009.32	5,972.23	37.09	161.999		
3,900.00	3,561.36	3,618.11	3,617.39	27.47	12.52	110.66	-5,348.43	1,766.04	6,031.04	5,992.63	38.41	157.019		
4,000.00	3,644.18	3,703.78	3,703.02	28.59	12.83	111.11	-5,347.63	1,763.84	6,053.12	6,013.44	39.69	152.523		
4,100.00	3,726.99	3,782.45	3,781.68	29.72	13.11	111.52	-5,346.86	1,762.19	6,075.67	6,034.74	40.93	148.432		
4,200.00	3,809.81	3,852.87	3,852.08	30.85	13.36	111.89	-5,346.20	1,761.18	6,098.76	6,056.62	42.14	144.729		
4,300.00	3,892.62	3,933.16	3,932.37	31.98	13.64	112.29	-5,345.49	1,761.54	6,122.43	6,079.06	43.38	141.146		
4,400.00	3,975.43	4,028.17	4,027.38	33.11	13.97	112.75	-5,344.47	1,762.03	6,146.36	6,101.70	44.66	137.617		
4,500.00	4,058.25	4,108.10	4,107.30	34.24	14.25	113.15	-5,343.64	1,761.88	6,170.69	6,124.80	45.89	134.471		
4,600.00	4,141.06	4,216.51	4,215.70	35.37	14.64	113.69	-5,342.37	1,761.17	6,195.31	6,148.09	47.22	131.207		
4,700.00	4,223.87	4,300.00	4,298.50	36.50	15.03	114.51	-5,338.84	1,758.11	6,219.33	6,169.44	49.89	124.666		
4,800.00	4,306.69	4,485.11	4,484.17	37.64	15.60	115.03	-5,335.61	1,756.63	6,243.13	6,193.09	50.05	124.750		
4,900.00	4,389.50	4,564.21	4,563.22	38.77	15.95	115.50	-5,332.49	1,756.28	6,267.33	6,216.01	51.32	122.128		
5,000.00	4,472.32	4,763.13	4,761.98	39.91	16.59	116.35	-5,325.05	1,755.98	6,291.01	6,238.14	52.87	118.982		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,843.32	4,842.07	41.05	16.87	116.73	-5,321.12	1,755.22	6,314.51	6,260.45	54.06	116.797		
5,200.00	4,637.94	4,900.00	4,898.69	42.18	17.08	117.00	-5,318.51	1,754.52	6,338.65	6,283.49	55.16	114.909		
5,300.00	4,720.76	4,961.21	4,959.83	43.32	17.30	117.30	-5,315.92	1,753.65	6,363.50	6,307.23	56.27	113.091		
5,400.00	4,803.57	5,000.00	4,998.59	44.46	17.43	117.48	-5,314.43	1,753.05	6,389.11	6,331.83	57.28	111.536		
5,500.00	4,886.39	5,042.56	5,041.12	45.60	17.59	117.68	-5,313.07	1,752.31	6,415.65	6,357.35	58.30	110.044		
5,600.00	4,969.20	5,100.00	5,098.54	46.74	17.79	117.96	-5,311.93	1,751.13	6,443.37	6,384.01	59.37	108.538		
5,700.00	5,052.01	5,114.20	5,112.73	47.88	17.84	118.02	-5,311.75	1,750.82	6,471.84	6,411.59	60.25	107.413		
5,800.00	5,134.83	5,183.03	5,181.55	49.02	18.09	118.35	-5,310.97	1,749.45	6,501.13	6,439.79	61.34	105.982		
5,900.00	5,217.64	5,246.06	5,244.57	50.16	18.31	118.64	-5,310.42	1,748.61	6,530.98	6,468.58	62.40	104.665		
6,000.00	5,300.45	5,313.33	5,311.84	51.30	18.55	118.95	-5,310.10	1,748.72	6,561.44	6,497.97	63.47	103.386		
6,100.00	5,383.27	5,418.08	5,416.58	52.45	18.91	119.41	-5,309.57	1,749.73	6,592.16	6,527.48	64.67	101.931		
6,200.00	5,466.08	5,509.58	5,508.08	53.59	19.23	119.81	-5,308.88	1,749.90	6,623.04	6,557.21	65.83	100.615		
6,300.00	5,548.90	5,616.77	5,615.25	54.73	19.61	120.29	-5,307.61	1,748.95	6,653.93	6,586.90	67.04	99.259		
6,400.00	5,631.71	5,678.58	5,677.05	55.87	19.83	120.57	-5,306.86	1,747.76	6,685.21	6,617.16	68.05	98.234		
6,500.00	5,714.52	5,776.04	5,774.47	57.02	20.18	121.02	-5,305.73	1,745.29	6,716.94	6,647.74	69.21	97.058		
6,600.00	5,797.34	5,849.77	5,848.18	58.16	20.44	121.35	-5,304.75	1,743.62	6,748.83	6,678.58	70.26	96.062		
6,700.00	5,880.15	5,920.33	5,918.72	59.30	20.70	121.66	-5,304.00	1,742.01	6,781.27	6,709.98	71.28	95.129		
6,800.00	5,962.96	6,046.75	6,045.12	60.45	21.15	122.21	-5,302.51	1,740.37	6,813.89	6,741.35	72.54	93.935		
6,900.00	6,045.78	6,212.98	6,211.30	61.59	21.74	122.91	-5,298.93	1,740.22	6,845.78	6,771.83	73.95	92.577		
7,000.00	6,128.59	6,264.53	6,262.83	62.73	21.92	123.13	-5,297.68	1,740.19	6,877.82	6,802.93	74.89	91.843		
7,100.00	6,211.41	6,380.01	6,378.28	63.88	22.33	123.61	-5,295.09	1,739.69	6,910.41	6,834.34	76.08	90.835		
7,200.00	6,294.22	6,460.82	6,459.06	65.02	22.62	123.94	-5,292.86	1,739.60	6,942.77	6,865.65	77.12	90.026		
7,300.00	6,377.03	6,519.93	6,518.15	66.17	22.83	124.18	-5,291.48	1,740.20	6,975.63	6,897.56	78.07	89.351		
7,400.00	6,459.85	6,568.53	6,566.74	67.31	23.00	124.37	-5,290.61	1,740.92	7,009.14	6,930.17	78.97	88.759		
7,500.00	6,542.66	7,500.00	6,670.32	68.46	26.23	124.77	-5,288.96	1,743.04	7,043.00	6,960.04	82.96	84.900		
7,600.00	6,625.48	6,750.71	6,748.86	69.60	23.63	125.07	-5,287.47	1,744.66	7,076.86	6,995.76	81.10	87.260		
7,700.00	6,708.29	6,800.00	6,798.14	70.75	23.80	125.26	-5,286.73	1,745.09	7,111.42	7,029.44	81.98	86.745		
7,800.00	6,791.10	6,856.25	6,854.38	71.89	24.00	125.48	-5,286.09	1,745.34	7,146.61	7,063.73	82.88	86.227		
7,900.00	6,873.92	6,955.14	6,953.26	73.04	24.35	125.86	-5,285.15	1,746.14	7,182.18	7,098.23	83.96	85.545		
8,000.00	6,956.73	7,057.62	7,055.73	74.18	24.71	126.25	-5,283.80	1,747.51	7,217.59	7,132.54	85.04	84.868		
8,100.00	7,039.54	7,139.71	7,137.79	75.33	24.99	126.55	-5,282.77	1,748.94	7,253.23	7,167.19	86.04	84.300		
8,165.32	7,093.63	7,194.39	7,192.47	76.08	25.18	126.76	-5,282.04	1,749.69	7,276.63	7,189.94	86.69	83.937		
8,200.00	7,122.60	7,215.64	7,213.72	76.47	25.26	121.79	-5,281.76	1,749.92	7,288.15	7,201.14	87.01	83.767		
8,250.00	7,165.05	7,243.95	7,242.02	77.01	25.36	113.99	-5,281.42	1,750.21	7,301.40	7,213.94	87.46	83.485		
8,300.00	7,208.03	7,272.54	7,270.61	77.52	25.46	105.63	-5,281.14	1,750.49	7,310.63	7,222.71	87.92	83.151		
8,350.00	7,251.22	7,301.90	7,299.97	77.99	25.56	97.09	-5,280.91	1,750.76	7,315.78	7,227.39	88.39	82.769		
8,400.00	7,294.28	7,346.49	7,344.55	78.41	25.72	88.86	-5,280.59	1,751.13	7,316.77	7,227.85	88.92	82.285		
8,450.00	7,336.90	7,390.51	7,388.57	78.78	25.87	81.25	-5,280.25	1,751.45	7,313.55	7,224.11	89.44	81.768		
8,500.00	7,378.73	7,430.20	7,428.26	79.10	26.01	74.53	-5,279.94	1,751.73	7,306.17	7,216.23	89.93	81.239		
8,550.00	7,419.47	7,467.93	7,465.99	79.37	26.14	68.81	-5,279.68	1,752.02	7,294.69	7,204.28	90.40	80.690		
8,600.00	7,458.81	7,504.67	7,502.72	79.59	26.27	64.11	-5,279.44	1,752.35	7,279.21	7,188.36	90.85	80.121		
8,650.00	7,496.44	7,541.73	7,539.79	79.76	26.40	60.35	-5,279.22	1,752.71	7,259.84	7,168.55	91.29	79.529		
8,700.00	7,532.08	7,576.85	7,574.90	79.88	26.52	57.47	-5,279.01	1,753.08	7,236.71	7,145.02	91.69	78.926		
8,750.00	7,565.46	7,600.00	7,598.05	79.95	26.60	55.32	-5,278.88	1,753.33	7,210.01	7,117.99	92.02	78.350		
8,800.00	7,596.33	7,623.97	7,622.01	79.98	26.68	53.91	-5,278.78	1,753.59	7,179.96	7,087.62	92.34	77.757		
8,850.00	7,624.44	7,640.56	7,638.61	79.97	26.74	53.17	-5,278.74	1,753.77	7,146.79	7,054.19	92.60	77.177		
8,900.00	7,649.59	7,655.47	7,653.51	79.93	26.79	53.16	-5,278.73	1,753.92	7,110.74	7,017.90	92.84	76.592		
8,950.00	7,671.59	7,668.56	7,666.61	79.84	26.84	53.94	-5,278.73	1,754.06	7,072.05	6,979.00	93.05	76.003		
9,000.00	7,690.26	7,679.74	7,677.78	79.73	26.87	55.65	-5,278.75	1,754.17	7,030.99	6,937.75	93.24	75.411		
9,050.00	7,705.47	7,700.00	7,698.04	79.59	26.94	58.71	-5,278.82	1,754.37	6,987.87	6,894.42	93.45	74.780		
9,100.00	7,717.09	7,700.00	7,698.04	79.43	26.94	63.17	-5,278.82	1,754.37	6,942.95	6,849.40	93.55	74.215		
9,150.00	7,725.04	7,704.18	7,702.22	79.26	26.96	70.12	-5,278.83	1,754.41	6,896.59	6,802.93	93.66	73.631		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT ALAUX 26-5 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,716.93	7,714.97	79.06	27.00	80.96	-5,278.87	1,754.55	6,849.12	6,755.31	93.81	73.014		
9,231.13	7,730.00	7,719.27	7,717.31	78.93	27.01	90.08	-5,278.88	1,754.57	6,819.15	6,725.29	93.86	72.649		
9,300.00	7,730.00	7,719.76	7,717.81	78.65	27.01	90.09	-5,278.88	1,754.58	6,752.62	6,658.65	93.97	71.859		
9,400.00	7,730.00	7,720.46	7,718.50	78.26	27.01	90.11	-5,278.88	1,754.58	6,656.10	6,561.97	94.13	70.713		
9,500.00	7,730.00	7,721.12	7,719.16	77.89	27.02	90.14	-5,278.89	1,754.59	6,559.69	6,465.39	94.29	69.567		
9,600.00	7,730.00	7,721.75	7,719.80	77.53	27.02	90.16	-5,278.89	1,754.60	6,463.38	6,368.91	94.46	68.422		
9,700.00	7,730.00	7,722.36	7,720.40	77.19	27.02	90.18	-5,278.89	1,754.61	6,367.18	6,272.54	94.64	67.277		
9,800.00	7,730.00	7,722.94	7,720.98	76.88	27.02	90.20	-5,278.89	1,754.61	6,271.11	6,176.28	94.83	66.133		
9,900.00	7,730.00	7,723.50	7,721.54	76.58	27.02	90.21	-5,278.89	1,754.62	6,175.16	6,080.14	95.02	64.990		
10,000.00	7,730.00	7,724.04	7,722.08	76.30	27.03	90.23	-5,278.89	1,754.62	6,079.34	5,984.12	95.22	63.847		
10,100.00	7,730.00	7,724.55	7,722.59	76.04	27.03	90.25	-5,278.89	1,754.63	5,983.65	5,888.23	95.43	62.705		
10,200.00	7,730.00	7,725.05	7,723.09	75.79	27.03	90.26	-5,278.89	1,754.64	5,888.11	5,792.47	95.64	61.563		
10,300.00	7,730.00	7,725.53	7,723.57	75.57	27.03	90.28	-5,278.90	1,754.64	5,792.73	5,696.86	95.87	60.423		
10,400.00	7,730.00	7,725.99	7,724.03	75.36	27.03	90.30	-5,278.90	1,754.65	5,697.49	5,601.39	96.10	59.284		
10,500.00	7,730.00	7,726.43	7,724.47	75.18	27.03	90.31	-5,278.90	1,754.65	5,602.43	5,506.08	96.35	58.146		
10,600.00	7,730.00	7,726.86	7,724.90	75.01	27.04	90.32	-5,278.90	1,754.66	5,507.54	5,410.93	96.61	57.010		
10,700.00	7,730.00	7,727.27	7,725.31	74.86	27.04	90.34	-5,278.90	1,754.66	5,412.83	5,315.96	96.87	55.875		
10,800.00	7,730.00	7,727.67	7,725.71	74.74	27.04	90.35	-5,278.90	1,754.67	5,318.32	5,221.17	97.15	54.741		
10,900.00	7,730.00	7,728.05	7,726.09	74.64	27.04	90.36	-5,278.90	1,754.67	5,224.01	5,126.57	97.45	53.609		
11,000.00	7,730.00	7,728.42	7,726.46	74.56	27.04	90.37	-5,278.90	1,754.67	5,129.92	5,032.17	97.75	52.480		
11,100.00	7,730.00	7,728.78	7,726.82	74.51	27.04	90.39	-5,278.90	1,754.68	5,036.06	4,937.99	98.07	51.352		
11,200.00	7,730.00	7,729.13	7,727.17	74.48	27.04	90.40	-5,278.90	1,754.68	4,942.43	4,844.03	98.40	50.227		
11,300.00	7,730.00	7,729.47	7,727.51	74.48	27.04	90.41	-5,278.90	1,754.69	4,849.06	4,750.31	98.75	49.104		
11,400.00	7,730.00	7,729.79	7,727.84	74.50	27.05	90.42	-5,278.90	1,754.69	4,755.96	4,656.85	99.12	47.984		
11,500.00	7,730.00	7,730.11	7,728.15	74.56	27.05	90.43	-5,278.90	1,754.69	4,663.15	4,563.65	99.50	46.866		
11,600.00	7,730.00	7,730.42	7,728.46	74.66	27.05	90.44	-5,278.90	1,754.70	4,570.64	4,470.74	99.90	45.752		
11,700.00	7,730.00	7,730.72	7,728.76	74.79	27.05	90.45	-5,278.91	1,754.70	4,478.45	4,378.13	100.32	44.642		
11,800.00	7,730.00	7,731.01	7,729.05	74.96	27.05	90.46	-5,278.91	1,754.70	4,386.60	4,285.84	100.76	43.535		
11,900.00	7,730.00	7,731.29	7,729.33	75.17	27.05	90.47	-5,278.91	1,754.71	4,295.12	4,193.90	101.22	42.433		
12,000.00	7,730.00	7,731.56	7,729.60	75.43	27.05	90.48	-5,278.91	1,754.71	4,204.02	4,102.32	101.71	41.335		
12,100.00	7,730.00	7,731.83	7,729.87	75.73	27.05	90.49	-5,278.91	1,754.71	4,113.34	4,011.13	102.22	40.242		
12,200.00	7,730.00	7,732.08	7,730.12	76.09	27.05	90.49	-5,278.91	1,754.72	4,023.10	3,920.35	102.75	39.154		
12,300.00	7,730.00	7,732.33	7,730.37	76.51	27.05	90.50	-5,278.91	1,754.72	3,933.34	3,830.02	103.31	38.073		
12,400.00	7,730.00	7,732.58	7,730.62	76.97	27.06	90.51	-5,278.91	1,754.72	3,844.07	3,740.17	103.90	36.997		
12,500.00	7,730.00	7,732.82	7,730.86	77.50	27.06	90.52	-5,278.91	1,754.73	3,755.35	3,650.83	104.52	35.929		
12,600.00	7,730.00	7,733.05	7,731.09	78.09	27.06	90.53	-5,278.91	1,754.73	3,667.21	3,562.04	105.18	34.867		
12,700.00	7,730.00	7,733.27	7,731.31	78.74	27.06	90.53	-5,278.91	1,754.73	3,579.70	3,473.83	105.86	33.815		
12,800.00	7,730.00	7,733.49	7,731.53	79.45	27.06	90.54	-5,278.91	1,754.73	3,492.85	3,386.26	106.58	32.771		
12,900.00	7,730.00	7,733.71	7,731.75	80.22	27.06	90.55	-5,278.91	1,754.74	3,406.72	3,299.38	107.34	31.736		
13,000.00	7,730.00	7,733.92	7,731.96	81.05	27.06	90.55	-5,278.91	1,754.74	3,321.38	3,213.23	108.14	30.712		
13,100.00	7,730.00	7,734.12	7,732.16	81.94	27.06	90.56	-5,278.91	1,754.74	3,236.87	3,127.88	108.99	29.700		
13,200.00	7,730.00	7,734.32	7,732.36	82.87	27.06	90.57	-5,278.91	1,754.74	3,153.26	3,043.39	109.87	28.700		
13,300.00	7,730.00	7,734.51	7,732.55	83.86	27.06	90.57	-5,278.91	1,754.75	3,070.64	2,959.84	110.80	27.714		
13,400.00	7,730.00	7,734.70	7,732.74	84.90	27.06	90.58	-5,278.91	1,754.75	2,989.08	2,877.31	111.78	26.742		
13,500.00	7,730.00	7,734.89	7,732.93	85.97	27.06	90.59	-5,278.91	1,754.75	2,908.67	2,795.87	112.80	25.786		
13,600.00	7,730.00	7,735.07	7,733.11	87.09	27.06	90.59	-5,278.91	1,754.75	2,829.52	2,715.64	113.87	24.848		
13,700.00	7,730.00	7,735.24	7,733.28	88.25	27.06	90.60	-5,278.91	1,754.75	2,751.71	2,636.72	115.00	23.928		
13,800.00	7,730.00	7,735.42	7,733.46	89.44	27.06	90.60	-5,278.91	1,754.76	2,675.39	2,559.22	116.17	23.029		
13,900.00	7,730.00	7,735.58	7,733.63	90.66	27.07	90.61	-5,278.91	1,754.76	2,600.67	2,483.27	117.40	22.152		
14,000.00	7,730.00	7,735.75	7,733.79	91.92	27.07	90.61	-5,278.91	1,754.76	2,527.70	2,409.02	118.67	21.300		
14,100.00	7,730.00	7,735.91	7,733.95	93.20	27.07	90.62	-5,278.91	1,754.76	2,456.63	2,336.63	119.99	20.473		
14,200.00	7,730.00	7,736.07	7,734.11	94.50	27.07	90.62	-5,278.91	1,754.76	2,387.63	2,266.28	121.36	19.675		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT ALAUX 26-5 - OWB - FINAL SURVEY													Offset Site Error: 0.00 usft	
Survey Program: 100-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,736.22	7,734.26	95.83	27.07	90.63	-5,278.91	1,754.77	2,320.90	2,198.14	122.76	18.907		
14,400.00	7,730.00	7,736.37	7,734.41	97.17	27.07	90.63	-5,278.91	1,754.77	2,256.62	2,132.43	124.19	18.171		
14,500.00	7,730.00	7,736.52	7,734.56	98.54	27.07	90.64	-5,278.91	1,754.77	2,195.02	2,069.38	125.64	17.471		
14,600.00	7,730.00	7,736.67	7,734.71	99.92	27.07	90.64	-5,278.91	1,754.77	2,136.32	2,009.23	127.10	16.809		
14,700.00	7,730.00	7,736.81	7,734.85	101.32	27.07	90.65	-5,278.91	1,754.77	2,080.78	1,952.23	128.55	16.187		
14,800.00	7,730.00	7,736.95	7,734.99	102.74	27.07	90.65	-5,278.91	1,754.78	2,028.65	1,898.67	129.98	15.608		
14,900.00	7,730.00	7,737.08	7,735.12	104.17	27.07	90.66	-5,278.91	1,754.78	1,980.20	1,848.84	131.36	15.075		
15,000.00	7,730.00	7,737.22	7,735.26	105.62	27.07	90.66	-5,278.91	1,754.78	1,935.71	1,803.03	132.67	14.590		
15,100.00	7,730.00	7,737.35	7,735.39	107.07	27.07	90.67	-5,278.91	1,754.78	1,895.45	1,761.56	133.89	14.157		
15,200.00	7,730.00	7,737.48	7,735.52	108.54	27.07	90.67	-5,278.91	1,754.78	1,859.70	1,724.72	134.98	13.777		
15,300.00	7,730.00	7,737.60	7,735.64	110.02	27.07	90.67	-5,278.91	1,754.78	1,828.73	1,692.81	135.92	13.454		
15,400.00	7,730.00	7,737.73	7,735.77	111.51	27.07	90.68	-5,278.92	1,754.78	1,802.79	1,666.10	136.69	13.189		
15,500.00	7,730.00	7,737.85	7,735.89	113.01	27.07	90.68	-5,278.92	1,754.79	1,782.08	1,644.84	137.24	12.985		
15,600.00	7,730.00	7,737.97	7,736.01	114.52	27.07	90.69	-5,278.92	1,754.79	1,766.80	1,629.23	137.57	12.843		
15,700.00	7,730.00	7,738.08	7,736.12	116.04	27.07	90.69	-5,278.92	1,754.79	1,757.09	1,619.42	137.66	12.764		
15,800.00	7,730.00	7,738.20	7,736.24	117.56	27.07	90.69	-5,278.92	1,754.79	1,753.03	1,615.54	137.50	12.750 SF		
15,821.15	7,730.00	7,738.22	7,736.26	117.88	27.07	90.69	-5,278.92	1,754.79	1,752.90	1,615.48	137.43	12.755 CC, ES		
15,900.00	7,730.00	7,738.31	7,736.35	119.09	27.07	90.70	-5,278.92	1,754.79	1,754.68	1,617.60	137.08	12.801		
16,000.00	7,730.00	7,738.42	7,736.46	120.63	27.08	90.70	-5,278.92	1,754.79	1,762.00	1,625.59	136.41	12.917		
16,100.00	7,730.00	7,738.53	7,736.57	122.18	27.08	90.71	-5,278.92	1,754.79	1,774.95	1,639.43	135.52	13.097		
16,200.00	7,730.00	7,738.63	7,736.68	123.73	27.08	90.71	-5,278.92	1,754.80	1,793.38	1,658.96	134.41	13.342		
16,300.00	7,730.00	7,738.74	7,736.78	125.29	27.08	90.71	-5,278.92	1,754.80	1,817.13	1,684.01	133.12	13.650		
16,400.00	7,730.00	7,738.84	7,736.88	126.86	27.08	90.72	-5,278.92	1,754.80	1,846.01	1,714.33	131.68	14.019		
16,500.00	7,730.00	7,738.94	7,736.98	128.43	27.08	90.72	-5,278.92	1,754.80	1,879.76	1,749.65	130.11	14.447		
16,600.00	7,730.00	7,739.04	7,737.08	130.01	27.08	90.72	-5,278.92	1,754.80	1,918.15	1,789.69	128.46	14.932		
16,700.00	7,730.00	7,739.14	7,737.18	131.59	27.08	90.72	-5,278.92	1,754.80	1,960.88	1,834.14	126.74	15.472		
16,800.00	7,730.00	7,739.24	7,737.28	133.18	27.08	90.73	-5,278.92	1,754.80	2,007.69	1,882.70	124.99	16.063		
16,900.00	7,730.00	7,739.33	7,737.37	134.77	27.08	90.73	-5,278.92	1,754.80	2,058.30	1,935.07	123.23	16.703		
17,000.00	7,730.00	7,739.42	7,737.46	136.37	27.08	90.73	-5,278.92	1,754.81	2,112.43	1,990.95	121.48	17.389		
17,100.00	7,730.00	7,739.51	7,737.55	137.97	27.08	90.74	-5,278.92	1,754.81	2,169.82	2,050.06	119.76	18.118		
17,200.00	7,730.00	7,739.60	7,737.64	139.57	27.08	90.74	-5,278.92	1,754.81	2,230.23	2,112.14	118.08	18.887		
17,300.00	7,730.00	7,739.69	7,737.73	141.18	27.08	90.74	-5,278.92	1,754.81	2,293.40	2,176.94	116.46	19.693		
17,400.00	7,730.00	7,739.78	7,737.82	142.79	27.08	90.75	-5,278.92	1,754.81	2,359.12	2,244.22	114.90	20.532		
17,500.00	7,730.00	7,739.86	7,737.90	144.41	27.08	90.75	-5,278.92	1,754.81	2,427.18	2,313.78	113.40	21.403		
17,600.00	7,730.00	7,739.95	7,737.99	146.03	27.08	90.75	-5,278.92	1,754.81	2,497.40	2,385.42	111.98	22.302		
17,700.00	7,730.00	7,740.03	7,738.07	147.65	27.08	90.75	-5,278.92	1,754.81	2,569.58	2,458.96	110.63	23.228		
17,800.00	7,730.00	7,740.11	7,738.15	149.28	27.08	90.76	-5,278.92	1,754.81	2,643.58	2,534.24	109.35	24.176		
17,900.00	7,730.00	7,740.19	7,738.23	150.91	27.08	90.76	-5,278.92	1,754.81	2,719.25	2,611.11	108.14	25.146		
18,000.00	7,730.00	7,740.27	7,738.31	152.54	27.08	90.76	-5,278.92	1,754.82	2,796.44	2,689.44	107.00	26.135		
18,100.00	7,730.00	7,740.35	7,738.39	154.18	27.08	90.76	-5,278.92	1,754.82	2,875.04	2,769.11	105.93	27.141		
18,200.00	7,730.00	7,740.43	7,738.47	155.82	27.08	90.77	-5,278.92	1,754.82	2,954.93	2,850.01	104.92	28.163		
18,300.00	7,730.00	7,740.50	7,738.54	157.46	27.08	90.77	-5,278.92	1,754.82	3,036.01	2,932.03	103.98	29.198		
18,400.00	7,730.00	7,740.57	7,738.62	159.11	27.08	90.77	-5,278.92	1,754.82	3,118.20	3,015.10	103.10	30.245		
18,500.00	7,730.00	7,740.65	7,738.69	160.75	27.08	90.77	-5,278.92	1,754.82	3,201.39	3,099.12	102.27	31.303		
18,600.00	7,730.00	7,740.72	7,738.76	162.40	27.08	90.78	-5,278.92	1,754.82	3,285.53	3,184.03	101.50	32.370		
18,700.00	7,730.00	7,740.79	7,738.83	164.05	27.08	90.78	-5,278.92	1,754.82	3,370.53	3,269.75	100.78	33.446		
18,800.00	7,730.00	7,740.86	7,738.90	165.71	27.08	90.78	-5,278.92	1,754.82	3,456.33	3,356.23	100.10	34.529		
18,900.00	7,730.00	7,740.93	7,738.97	167.36	27.08	90.78	-5,278.92	1,754.82	3,542.88	3,443.41	99.47	35.618		
18,942.39	7,730.00	7,740.96	7,739.00	168.07	27.08	90.78	-5,278.92	1,754.82	3,579.78	3,480.56	99.21	36.081		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT ROBERTS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	134.56	-5,617.76	5,704.10	8,006.05					
100.00	100.00	72.00	72.00	0.13	0.55	134.56	-5,617.76	5,704.10	8,006.00	8,005.31	0.69	N/A		
200.00	200.00	172.00	172.00	0.49	2.02	134.56	-5,617.76	5,704.10	8,006.00	8,003.48	2.52	3,180.163		
300.00	300.00	272.00	272.00	0.85	3.77	134.56	-5,617.76	5,704.10	8,006.00	8,001.38	4.62	1,732.420		
400.00	400.00	372.00	372.00	1.21	5.52	134.56	-5,617.76	5,704.10	8,006.00	7,999.28	6.73	1,190.469		
500.00	500.00	472.00	472.00	1.57	7.26	134.56	-5,617.76	5,704.10	8,006.00	7,997.17	8.83	906.797		
600.00	600.00	572.00	572.00	1.93	9.01	134.56	-5,617.76	5,704.10	8,006.00	7,995.07	10.93	732.300		
700.00	700.00	672.00	672.00	2.29	10.75	134.56	-5,617.76	5,704.10	8,006.00	7,992.97	13.04	614.123		
800.00	800.00	772.00	772.00	2.64	12.50	134.56	-5,617.76	5,704.10	8,006.00	7,990.86	15.14	528.788		
900.00	899.98	871.98	871.98	3.00	14.24	75.00	-5,617.76	5,704.10	8,005.55	7,988.31	17.24	464.371		
1,000.00	999.84	971.84	971.84	3.35	15.98	75.06	-5,617.76	5,704.10	8,004.20	7,984.86	19.34	413.972		
1,100.00	1,099.45	1,071.45	1,071.45	3.71	17.72	75.16	-5,617.76	5,704.10	8,001.95	7,980.52	21.43	373.363		
1,200.00	1,198.70	1,170.70	1,170.70	4.08	19.46	75.31	-5,617.76	5,704.10	7,998.82	7,975.29	23.53	339.909		
1,300.00	1,297.47	1,269.47	1,269.47	4.47	21.18	75.49	-5,617.76	5,704.10	7,994.83	7,969.19	25.64	311.831		
1,400.00	1,395.62	1,367.62	1,367.62	4.87	22.89	75.72	-5,617.76	5,704.10	7,990.00	7,962.25	27.75	287.890		
1,500.00	1,493.06	1,465.06	1,465.06	5.31	24.59	75.98	-5,617.76	5,704.10	7,984.37	7,954.48	29.88	267.198		
1,600.00	1,589.64	1,561.64	1,561.64	5.77	26.28	76.28	-5,617.76	5,704.10	7,977.96	7,945.93	32.03	249.104		
1,700.00	1,685.27	1,657.27	1,657.27	6.28	27.95	76.61	-5,617.76	5,704.10	7,970.81	7,936.62	34.19	233.122		
1,800.00	1,779.82	1,751.82	1,751.82	6.83	29.60	76.98	-5,617.76	5,704.10	7,962.97	7,926.59	36.38	218.882		
1,900.00	1,873.17	1,845.17	1,845.17	7.43	31.23	77.38	-5,617.76	5,704.10	7,954.48	7,915.89	38.60	206.099		
2,000.00	1,965.21	1,937.21	1,937.21	8.08	32.83	77.82	-5,617.76	5,704.10	7,945.40	7,904.56	40.84	194.547		
2,100.00	2,055.84	2,027.84	2,027.84	8.79	34.42	78.28	-5,617.76	5,704.10	7,935.79	7,892.67	43.12	184.050		
2,200.00	2,144.94	2,116.94	2,116.94	9.56	35.97	78.76	-5,617.76	5,704.10	7,925.70	7,880.27	45.43	174.466		
2,300.00	2,232.39	2,204.39	2,204.39	10.39	37.50	79.27	-5,617.76	5,704.10	7,915.20	7,867.42	47.77	165.679		
2,400.00	2,318.11	2,309.89	2,290.11	11.30	39.34	79.80	-5,617.76	5,704.10	7,904.35	7,853.85	50.50	156.515		
2,504.60	2,405.78	2,377.78	2,377.78	12.31	40.52	80.38	-5,617.76	5,704.10	7,892.72	7,840.03	52.69	149.800		
2,600.00	2,484.79	2,456.79	2,456.79	13.28	41.90	80.70	-5,617.76	5,704.10	7,882.17	7,827.14	55.03	143.243		
2,700.00	2,567.60	2,539.60	2,539.60	14.32	43.35	81.03	-5,617.76	5,704.10	7,871.48	7,813.98	57.50	136.896		
2,800.00	2,650.41	2,622.41	2,622.41	15.37	44.79	81.37	-5,617.76	5,704.10	7,861.18	7,801.19	59.99	131.038		
2,900.00	2,733.23	2,705.23	2,705.23	16.44	46.24	81.71	-5,617.76	5,704.10	7,851.27	7,788.77	62.50	125.624		
3,000.00	2,816.04	2,788.04	2,788.04	17.52	47.68	82.04	-5,617.76	5,704.10	7,841.75	7,776.73	65.02	120.609		
3,100.00	2,898.85	2,870.85	2,870.85	18.60	49.13	82.38	-5,617.76	5,704.10	7,832.61	7,765.06	67.55	115.956		
3,200.00	2,981.67	2,953.67	2,953.67	19.69	50.57	82.72	-5,617.76	5,704.10	7,823.87	7,753.78	70.09	111.631		
3,300.00	3,064.48	3,036.48	3,036.48	20.79	52.02	83.06	-5,617.76	5,704.10	7,815.52	7,742.88	72.63	107.601		
3,400.00	3,147.30	3,119.30	3,119.30	21.90	53.46	83.40	-5,617.76	5,704.10	7,807.56	7,732.37	75.19	103.840		
3,500.00	3,230.11	3,202.11	3,202.11	23.00	54.91	83.74	-5,617.76	5,704.10	7,799.99	7,722.25	77.75	100.324		
3,600.00	3,312.92	3,284.92	3,284.92	24.12	56.36	84.08	-5,617.76	5,704.10	7,792.83	7,712.51	80.31	97.031		
3,700.00	3,395.74	3,367.74	3,367.74	25.23	57.80	84.42	-5,617.76	5,704.10	7,786.06	7,703.17	82.88	93.942		
3,800.00	3,478.55	3,450.55	3,450.55	26.35	59.25	84.76	-5,617.76	5,704.10	7,779.68	7,694.23	85.45	91.038		
3,900.00	3,561.36	3,533.36	3,533.36	27.47	60.69	85.10	-5,617.76	5,704.10	7,773.71	7,685.68	88.03	88.306		
4,000.00	3,644.18	3,616.18	3,616.18	28.59	62.14	85.44	-5,617.76	5,704.10	7,768.14	7,677.52	90.61	85.731		
4,100.00	3,726.99	3,701.01	3,698.99	29.72	63.62	85.78	-5,617.76	5,704.10	7,762.96	7,669.73	93.23	83.269		
4,200.00	3,809.81	3,781.81	3,781.81	30.85	65.03	86.12	-5,617.76	5,704.10	7,758.19	7,662.41	95.78	81.004		
4,300.00	3,892.62	3,864.62	3,864.62	31.98	66.47	86.47	-5,617.76	5,704.10	7,753.82	7,655.46	98.36	78.830		
4,400.00	3,975.43	3,947.43	3,947.43	33.11	67.92	86.81	-5,617.76	5,704.10	7,749.85	7,648.91	100.95	76.771		
4,500.00	4,058.25	4,030.25	4,030.25	34.24	69.36	87.15	-5,617.76	5,704.10	7,746.29	7,642.76	103.54	74.818		
4,600.00	4,141.06	4,113.06	4,113.06	35.37	70.81	87.50	-5,617.76	5,704.10	7,743.13	7,637.01	106.12	72.963		
4,700.00	4,223.87	4,204.13	4,195.87	36.50	72.40	87.84	-5,617.76	5,704.10	7,740.38	7,631.52	108.86	71.106		
4,800.00	4,306.69	4,278.69	4,278.69	37.64	73.70	88.18	-5,617.76	5,704.10	7,738.03	7,626.73	111.30	69.522		
4,900.00	4,389.50	4,361.50	4,361.50	38.77	75.15	88.53	-5,617.76	5,704.10	7,736.09	7,622.19	113.89	67.924		
5,000.00	4,472.32	4,444.32	4,444.32	39.91	76.59	88.87	-5,617.76	5,704.10	7,734.55	7,618.07	116.48	66.401		
5,100.00	4,555.13	4,527.13	4,527.13	41.05	78.04	89.21	-5,617.76	5,704.10	7,733.42	7,614.35	119.07	64.948		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT ROBERTS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,609.94	4,609.94	42.18	79.48	89.56	-5,617.76	5,704.10	7,732.69	7,611.03	121.66	63.560		
5,300.00	4,720.76	4,707.24	4,692.76	43.32	81.18	89.90	-5,617.76	5,704.10	7,732.37	7,607.87	124.50	62.108		
5,328.60	4,744.44	4,716.44	4,716.44	43.65	81.34	90.00	-5,617.76	5,704.10	7,732.36	7,607.37	124.99	61.866		
5,400.00	4,803.57	4,775.57	4,775.57	44.46	82.37	90.25	-5,617.76	5,704.10	7,732.46	7,605.63	126.83	60.966		
5,500.00	4,886.39	4,858.39	4,858.39	45.60	83.82	90.59	-5,617.76	5,704.10	7,732.95	7,603.53	129.42	59.752		
5,600.00	4,969.20	4,941.20	4,941.20	46.74	85.26	90.93	-5,617.76	5,704.10	7,733.85	7,601.85	132.00	58.589		
5,700.00	5,052.01	5,024.01	5,024.01	47.88	86.71	91.28	-5,617.76	5,704.10	7,735.16	7,600.57	134.58	57.475		
5,800.00	5,134.83	5,106.83	5,106.83	49.02	88.15	91.62	-5,617.76	5,704.10	7,736.87	7,599.71	137.16	56.406		
5,900.00	5,217.64	5,189.64	5,189.64	50.16	89.60	91.96	-5,617.76	5,704.10	7,738.99	7,599.24	139.74	55.380		
6,000.00	5,300.45	5,272.45	5,272.45	51.30	91.04	92.31	-5,617.76	5,704.10	7,741.51	7,599.19	142.32	54.396		
6,100.00	5,383.27	5,355.27	5,355.27	52.45	92.49	92.65	-5,617.76	5,704.10	7,744.44	7,599.54	144.89	53.450		
6,200.00	5,466.08	5,438.08	5,438.08	53.59	93.94	92.99	-5,617.76	5,704.10	7,747.77	7,600.30	147.46	52.540		
6,300.00	5,548.90	5,520.90	5,520.90	54.73	95.38	93.34	-5,617.76	5,704.10	7,751.50	7,601.47	150.03	51.666		
6,400.00	5,631.71	5,603.71	5,603.71	55.87	96.83	93.68	-5,617.76	5,704.10	7,755.64	7,603.04	152.60	50.824		
6,500.00	5,714.52	5,686.52	5,686.52	57.02	98.27	94.02	-5,617.76	5,704.10	7,760.18	7,605.02	155.16	50.014		
6,600.00	5,797.34	5,769.34	5,769.34	58.16	99.72	94.36	-5,617.76	5,704.10	7,765.13	7,607.41	157.72	49.234		
6,700.00	5,880.15	5,852.15	5,852.15	59.30	101.16	94.71	-5,617.76	5,704.10	7,770.47	7,610.19	160.28	48.482		
6,800.00	5,962.96	5,934.96	5,934.96	60.45	102.61	95.05	-5,617.76	5,704.10	7,776.22	7,613.39	162.83	47.757		
6,900.00	6,045.78	6,017.78	6,017.78	61.59	104.05	95.39	-5,617.76	5,704.10	7,782.36	7,616.98	165.38	47.058		
7,000.00	6,128.59	6,100.59	6,100.59	62.73	105.50	95.73	-5,617.76	5,704.10	7,788.90	7,620.98	167.93	46.383		
7,100.00	6,211.41	6,183.41	6,183.41	63.88	106.94	96.07	-5,617.76	5,704.10	7,795.85	7,625.38	170.47	45.732		
7,200.00	6,294.22	6,266.22	6,266.22	65.02	108.39	96.41	-5,617.76	5,704.10	7,803.18	7,630.18	173.00	45.104		
7,300.00	6,377.03	6,349.03	6,349.03	66.17	109.83	96.75	-5,617.76	5,704.10	7,810.91	7,635.38	175.54	44.497		
7,400.00	6,459.85	6,431.85	6,431.85	67.31	111.28	97.09	-5,617.76	5,704.10	7,819.04	7,640.97	178.07	43.910		
7,500.00	6,542.66	6,514.66	6,514.66	68.46	112.72	97.43	-5,617.76	5,704.10	7,827.56	7,646.97	180.59	43.343		
7,600.00	6,625.48	6,602.53	6,597.48	69.60	114.26	97.76	-5,617.76	5,704.10	7,836.47	7,653.27	183.20	42.775		
7,700.00	6,708.29	6,680.29	6,680.29	70.75	115.62	98.10	-5,617.76	5,704.10	7,845.77	7,660.14	185.63	42.265		
7,800.00	6,791.10	6,763.10	6,763.10	71.89	117.06	98.44	-5,617.76	5,704.10	7,855.46	7,667.32	188.14	41.753		
7,900.00	6,873.92	6,845.92	6,845.92	73.04	118.51	98.78	-5,617.76	5,704.10	7,865.54	7,674.89	190.65	41.257		
8,000.00	6,956.73	6,928.73	6,928.73	74.18	119.95	99.11	-5,617.76	5,704.10	7,876.01	7,682.86	193.15	40.776		
8,100.00	7,039.54	7,011.54	7,011.54	75.33	121.40	99.45	-5,617.76	5,704.10	7,886.86	7,691.21	195.65	40.311		
8,165.32	7,093.63	7,065.63	7,065.63	76.08	122.34	99.66	-5,617.76	5,704.10	7,894.15	7,696.87	197.28	40.016		
8,200.00	7,122.60	7,105.40	7,094.60	76.47	123.04	95.04	-5,617.76	5,704.10	7,897.08	7,698.75	198.33	39.818		
8,250.00	7,165.05	7,137.05	7,137.05	77.01	123.59	87.57	-5,617.76	5,704.10	7,897.85	7,698.46	199.39	39.610		
8,300.00	7,208.03	7,180.03	7,180.03	77.52	124.34	79.34	-5,617.76	5,704.10	7,894.51	7,693.88	200.63	39.349		
8,350.00	7,251.22	7,223.22	7,223.22	77.99	125.09	70.73	-5,617.76	5,704.10	7,887.08	7,685.24	201.85	39.075		
8,400.00	7,294.28	7,266.28	7,266.28	78.41	125.84	62.15	-5,617.76	5,704.10	7,875.61	7,672.58	203.03	38.790		
8,450.00	7,336.90	7,308.90	7,308.90	78.78	126.59	54.00	-5,617.76	5,704.10	7,860.16	7,655.99	204.17	38.498		
8,500.00	7,378.73	7,350.73	7,350.73	79.10	127.32	46.50	-5,617.76	5,704.10	7,840.85	7,635.59	205.26	38.200		
8,550.00	7,419.47	7,408.53	7,391.47	79.37	128.33	39.75	-5,617.76	5,704.10	7,817.81	7,611.22	206.59	37.843		
8,600.00	7,458.81	7,430.81	7,430.81	79.59	128.71	33.69	-5,617.76	5,704.10	7,791.19	7,583.94	207.25	37.593		
8,650.00	7,496.44	7,468.44	7,468.44	79.76	129.37	28.20	-5,617.76	5,704.10	7,761.19	7,553.05	208.14	37.288		
8,700.00	7,532.08	7,504.08	7,504.08	79.88	129.99	23.12	-5,617.76	5,704.10	7,728.04	7,519.08	208.95	36.984		
8,750.00	7,565.46	7,537.46	7,537.46	79.95	130.58	18.22	-5,617.76	5,704.10	7,691.96	7,482.27	209.69	36.683		
8,800.00	7,596.33	7,568.33	7,568.33	79.98	131.11	13.28	-5,617.76	5,704.10	7,653.23	7,442.89	210.33	36.386		
8,850.00	7,624.44	7,603.56	7,596.44	79.97	131.73	7.99	-5,617.76	5,704.10	7,612.13	7,401.11	211.02	36.073		
8,900.00	7,649.59	7,621.59	7,621.59	79.93	132.04	1.96	-5,617.76	5,704.10	7,568.98	7,357.61	211.37	35.810		
8,950.00	7,671.59	7,643.59	7,643.59	79.84	132.43	-5.39	-5,617.76	5,704.10	7,524.10	7,312.35	211.75	35.534		
9,000.00	7,690.26	7,662.26	7,662.26	79.73	132.75	-14.88	-5,617.76	5,704.10	7,477.83	7,265.79	212.04	35.267		
9,050.00	7,705.47	7,677.47	7,677.47	79.59	133.02	-27.52	-5,617.76	5,704.10	7,430.52	7,218.29	212.23	35.011		
9,100.00	7,717.09	7,689.09	7,689.09	79.43	133.22	-43.92	-5,617.76	5,704.10	7,382.56	7,170.21	212.34	34.767		
9,150.00	7,725.04	7,702.96	7,697.04	79.26	133.46	-62.81	-5,617.76	5,704.10	7,334.29	7,121.83	212.47	34.520		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT ROBERTS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,701.27	7,701.27	79.06	133.44	-80.70	-5,617.76	5,704.10	7,286.11	7,073.82	212.30	34.320		
9,231.13	7,730.00	7,702.00	7,702.00	78.93	133.45	-90.00	-5,617.76	5,704.10	7,256.32	7,044.11	212.21	34.194		
9,300.00	7,730.00	7,702.00	7,702.00	78.65	133.45	-90.00	-5,617.76	5,704.10	7,190.72	6,978.73	211.99	33.920		
9,400.00	7,730.00	7,702.00	7,702.00	78.26	133.45	-90.00	-5,617.76	5,704.10	7,095.57	6,883.91	211.66	33.524		
9,500.00	7,730.00	7,702.00	7,702.00	77.89	133.45	-90.00	-5,617.76	5,704.10	7,000.56	6,789.23	211.32	33.127		
9,600.00	7,730.00	7,702.00	7,702.00	77.53	133.45	-90.00	-5,617.76	5,704.10	6,905.68	6,694.70	210.98	32.732		
9,700.00	7,730.00	7,702.00	7,702.00	77.19	133.45	-90.00	-5,617.76	5,704.10	6,810.96	6,600.33	210.63	32.337		
9,800.00	7,730.00	7,702.00	7,702.00	76.88	133.45	-90.00	-5,617.76	5,704.10	6,716.38	6,506.11	210.27	31.942		
9,900.00	7,730.00	7,702.00	7,702.00	76.58	133.45	-90.00	-5,617.76	5,704.10	6,621.97	6,412.07	209.90	31.548		
10,000.00	7,730.00	7,702.00	7,702.00	76.30	133.45	-90.00	-5,617.76	5,704.10	6,527.72	6,318.19	209.53	31.155		
10,100.00	7,730.00	7,702.00	7,702.00	76.04	133.45	-90.00	-5,617.76	5,704.10	6,433.64	6,224.50	209.14	30.762		
10,200.00	7,730.00	7,702.00	7,702.00	75.79	133.45	-90.00	-5,617.76	5,704.10	6,339.75	6,131.00	208.75	30.369		
10,300.00	7,730.00	7,702.00	7,702.00	75.57	133.45	-90.00	-5,617.76	5,704.10	6,246.05	6,037.69	208.35	29.978		
10,400.00	7,730.00	7,702.00	7,702.00	75.36	133.45	-90.00	-5,617.76	5,704.10	6,152.54	5,944.60	207.95	29.587		
10,500.00	7,730.00	7,702.00	7,702.00	75.18	133.45	-90.00	-5,617.76	5,704.10	6,059.25	5,851.71	207.53	29.197		
10,600.00	7,730.00	7,702.00	7,702.00	75.01	133.45	-90.00	-5,617.76	5,704.10	5,966.16	5,759.06	207.11	28.807		
10,700.00	7,730.00	7,702.00	7,702.00	74.86	133.45	-90.00	-5,617.76	5,704.10	5,873.31	5,666.64	206.67	28.418		
10,800.00	7,730.00	7,702.00	7,702.00	74.74	133.45	-90.00	-5,617.76	5,704.10	5,780.70	5,574.47	206.23	28.030		
10,900.00	7,730.00	7,702.00	7,702.00	74.64	133.45	-90.00	-5,617.76	5,704.10	5,688.33	5,482.55	205.78	27.643		
11,000.00	7,730.00	7,702.00	7,702.00	74.56	133.45	-90.00	-5,617.76	5,704.10	5,596.23	5,390.91	205.32	27.256		
11,100.00	7,730.00	7,702.00	7,702.00	74.51	133.45	-90.00	-5,617.76	5,704.10	5,504.40	5,299.55	204.85	26.870		
11,200.00	7,730.00	7,702.00	7,702.00	74.48	133.45	-90.00	-5,617.76	5,704.10	5,412.87	5,208.49	204.37	26.485		
11,300.00	7,730.00	7,702.00	7,702.00	74.48	133.45	-90.00	-5,617.76	5,704.10	5,321.64	5,117.75	203.89	26.101		
11,400.00	7,730.00	7,702.00	7,702.00	74.50	133.45	-90.00	-5,617.76	5,704.10	5,230.72	5,027.33	203.40	25.717		
11,500.00	7,730.00	7,702.00	7,702.00	74.56	133.45	-90.00	-5,617.76	5,704.10	5,140.15	4,937.25	202.90	25.334		
11,600.00	7,730.00	7,702.00	7,702.00	74.66	133.45	-90.00	-5,617.76	5,704.10	5,049.93	4,847.54	202.39	24.952		
11,700.00	7,730.00	7,702.00	7,702.00	74.79	133.45	-90.00	-5,617.76	5,704.10	4,960.09	4,758.21	201.88	24.570		
11,800.00	7,730.00	7,702.00	7,702.00	74.96	133.45	-90.00	-5,617.76	5,704.10	4,870.64	4,669.28	201.36	24.189		
11,900.00	7,730.00	7,702.00	7,702.00	75.17	133.45	-90.00	-5,617.76	5,704.10	4,781.61	4,580.78	200.83	23.809		
12,000.00	7,730.00	7,702.00	7,702.00	75.43	133.45	-90.00	-5,617.76	5,704.10	4,693.02	4,492.72	200.31	23.429		
12,100.00	7,730.00	7,702.00	7,702.00	75.73	133.45	-90.00	-5,617.76	5,704.10	4,604.90	4,405.12	199.78	23.050		
12,200.00	7,730.00	7,702.00	7,702.00	76.09	133.45	-90.00	-5,617.76	5,704.10	4,517.28	4,318.02	199.26	22.671		
12,300.00	7,730.00	7,702.00	7,702.00	76.51	133.45	-90.00	-5,617.76	5,704.10	4,430.18	4,231.45	198.73	22.292		
12,400.00	7,730.00	7,702.00	7,702.00	76.97	133.45	-90.00	-5,617.76	5,704.10	4,343.63	4,145.42	198.21	21.914		
12,500.00	7,730.00	7,702.00	7,702.00	77.50	133.45	-90.00	-5,617.76	5,704.10	4,257.68	4,059.98	197.70	21.536		
12,600.00	7,730.00	7,702.00	7,702.00	78.09	133.45	-90.00	-5,617.76	5,704.10	4,172.35	3,975.14	197.20	21.157		
12,700.00	7,730.00	7,702.00	7,702.00	78.74	133.45	-90.00	-5,617.76	5,704.10	4,087.68	3,890.96	196.72	20.779		
12,800.00	7,730.00	7,702.00	7,702.00	79.45	133.45	-90.00	-5,617.76	5,704.10	4,003.73	3,807.47	196.26	20.400		
12,900.00	7,730.00	7,702.00	7,702.00	80.22	133.45	-90.00	-5,617.76	5,704.10	3,920.52	3,724.70	195.82	20.021		
13,000.00	7,730.00	7,702.00	7,702.00	81.05	133.45	-90.00	-5,617.76	5,704.10	3,838.12	3,642.70	195.42	19.640		
13,100.00	7,730.00	7,702.00	7,702.00	81.94	133.45	-90.00	-5,617.76	5,704.10	3,756.57	3,561.51	195.06	19.259		
13,200.00	7,730.00	7,702.00	7,702.00	82.87	133.45	-90.00	-5,617.76	5,704.10	3,675.94	3,481.19	194.75	18.876		
13,300.00	7,730.00	7,702.00	7,702.00	83.86	133.45	-90.00	-5,617.76	5,704.10	3,596.27	3,401.78	194.49	18.491		
13,400.00	7,730.00	7,702.00	7,702.00	84.90	133.45	-90.00	-5,617.76	5,704.10	3,517.65	3,323.35	194.30	18.104		
13,500.00	7,730.00	7,702.00	7,702.00	85.97	133.45	-90.00	-5,617.76	5,704.10	3,440.13	3,245.94	194.19	17.716		
13,600.00	7,730.00	7,702.00	7,702.00	87.09	133.45	-90.00	-5,617.76	5,704.10	3,363.80	3,169.64	194.17	17.324		
13,700.00	7,730.00	7,702.00	7,702.00	88.25	133.45	-90.00	-5,617.76	5,704.10	3,288.75	3,094.49	194.25	16.930		
13,800.00	7,730.00	7,702.00	7,702.00	89.44	133.45	-90.00	-5,617.76	5,704.10	3,215.04	3,020.59	194.46	16.533		
13,900.00	7,730.00	7,702.00	7,702.00	90.66	133.45	-90.00	-5,617.76	5,704.10	3,142.80	2,948.00	194.80	16.134		
14,000.00	7,730.00	7,702.00	7,702.00	91.92	133.45	-90.00	-5,617.76	5,704.10	3,072.11	2,876.83	195.28	15.732		
14,100.00	7,730.00	7,702.00	7,702.00	93.20	133.45	-90.00	-5,617.76	5,704.10	3,003.08	2,807.15	195.93	15.327		
14,200.00	7,730.00	7,702.00	7,702.00	94.50	133.45	-90.00	-5,617.76	5,704.10	2,935.85	2,739.08	196.76	14.921		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,702.00	7,702.00	95.83	133.45	-90.00	-5,617.76	5,704.10	2,870.51	2,672.73	197.79	14.513		
14,400.00	7,730.00	7,702.00	7,702.00	97.17	133.45	-90.00	-5,617.76	5,704.10	2,807.23	2,608.21	199.01	14.106		
14,500.00	7,730.00	7,702.00	7,702.00	98.54	133.45	-90.00	-5,617.76	5,704.10	2,746.12	2,545.67	200.45	13.699		
14,600.00	7,730.00	7,702.00	7,702.00	99.92	133.45	-90.00	-5,617.76	5,704.10	2,687.35	2,485.23	202.12	13.296		
14,700.00	7,730.00	7,702.00	7,702.00	101.32	133.45	-90.00	-5,617.76	5,704.10	2,631.07	2,427.06	204.01	12.897		
14,800.00	7,730.00	7,702.00	7,702.00	102.74	133.45	-90.00	-5,617.76	5,704.10	2,577.44	2,371.31	206.13	12.504		
14,900.00	7,730.00	7,702.00	7,702.00	104.17	133.45	-90.00	-5,617.76	5,704.10	2,526.63	2,318.16	208.47	12.120		
15,000.00	7,730.00	7,702.00	7,702.00	105.62	133.45	-90.00	-5,617.76	5,704.10	2,478.82	2,267.78	211.03	11.746		
15,100.00	7,730.00	7,702.00	7,702.00	107.07	133.45	-90.00	-5,617.76	5,704.10	2,434.17	2,220.37	213.80	11.385		
15,200.00	7,730.00	7,702.00	7,702.00	108.54	133.45	-90.00	-5,617.76	5,704.10	2,392.88	2,176.12	216.76	11.039		
15,300.00	7,730.00	7,702.00	7,702.00	110.02	133.45	-90.00	-5,617.76	5,704.10	2,355.11	2,135.23	219.88	10.711		
15,400.00	7,730.00	7,702.00	7,702.00	111.51	133.45	-90.00	-5,617.76	5,704.10	2,321.04	2,097.88	223.15	10.401		
15,500.00	7,730.00	7,702.00	7,702.00	113.01	133.45	-90.00	-5,617.76	5,704.10	2,290.82	2,064.28	226.54	10.112		
15,600.00	7,730.00	7,702.00	7,702.00	114.52	133.45	-90.00	-5,617.76	5,704.10	2,264.63	2,034.61	230.02	9.846		
15,700.00	7,730.00	7,702.00	7,702.00	116.04	133.45	-90.00	-5,617.76	5,704.10	2,242.59	2,009.05	233.54	9.603		
15,800.00	7,730.00	7,702.00	7,702.00	117.56	133.45	-90.00	-5,617.76	5,704.10	2,224.83	1,987.75	237.08	9.384		
15,900.00	7,730.00	7,702.00	7,702.00	119.09	133.45	-90.00	-5,617.76	5,704.10	2,211.46	1,970.86	240.60	9.191		
16,000.00	7,730.00	7,702.00	7,702.00	120.63	133.45	-90.00	-5,617.76	5,704.10	2,202.55	1,958.49	244.06	9.025		
16,100.00	7,730.00	7,702.00	7,702.00	122.18	133.45	-90.00	-5,617.76	5,704.10	2,198.16	1,950.72	247.43	8.884		
16,146.66	7,730.00	7,702.00	7,702.00	122.90	133.45	-90.00	-5,617.76	5,704.10	2,197.66	1,948.69	248.97	8.827 CC		
16,200.00	7,730.00	7,702.00	7,702.00	123.73	133.45	-90.00	-5,617.76	5,704.10	2,198.31	1,947.62	250.68	8.769 ES		
16,300.00	7,730.00	7,702.00	7,702.00	125.29	133.45	-90.00	-5,617.76	5,704.10	2,203.00	1,949.22	253.78	8.681		
16,400.00	7,730.00	7,702.00	7,702.00	126.86	133.45	-90.00	-5,617.76	5,704.10	2,212.21	1,955.51	256.70	8.618		
16,500.00	7,730.00	7,702.00	7,702.00	128.43	133.45	-90.00	-5,617.76	5,704.10	2,225.88	1,966.46	259.43	8.580		
16,600.00	7,730.00	7,702.00	7,702.00	130.01	133.45	-90.00	-5,617.76	5,704.10	2,243.93	1,981.99	261.95	8.566 SF		
16,700.00	7,730.00	7,702.00	7,702.00	131.59	133.45	-90.00	-5,617.76	5,704.10	2,266.25	2,002.01	264.24	8.576		
16,800.00	7,730.00	7,702.00	7,702.00	133.18	133.45	-90.00	-5,617.76	5,704.10	2,292.72	2,026.40	266.32	8.609		
16,900.00	7,730.00	7,702.00	7,702.00	134.77	133.45	-90.00	-5,617.76	5,704.10	2,323.19	2,055.03	268.17	8.663		
17,000.00	7,730.00	7,702.00	7,702.00	136.37	133.45	-90.00	-5,617.76	5,704.10	2,357.52	2,087.72	269.80	8.738		
17,100.00	7,730.00	7,702.00	7,702.00	137.97	133.45	-90.00	-5,617.76	5,704.10	2,395.53	2,124.31	271.22	8.832		
17,200.00	7,730.00	7,702.00	7,702.00	139.57	133.45	-90.00	-5,617.76	5,704.10	2,437.06	2,164.62	272.44	8.945		
17,300.00	7,730.00	7,702.00	7,702.00	141.18	133.45	-90.00	-5,617.76	5,704.10	2,481.92	2,208.45	273.47	9.076		
17,400.00	7,730.00	7,702.00	7,702.00	142.79	133.45	-90.00	-5,617.76	5,704.10	2,529.94	2,255.62	274.32	9.223		
17,500.00	7,730.00	7,702.00	7,702.00	144.41	133.45	-90.00	-5,617.76	5,704.10	2,580.94	2,305.93	275.01	9.385		
17,600.00	7,730.00	7,702.00	7,702.00	146.03	133.45	-90.00	-5,617.76	5,704.10	2,634.75	2,359.20	275.55	9.562		
17,700.00	7,730.00	7,702.00	7,702.00	147.65	133.45	-90.00	-5,617.76	5,704.10	2,691.20	2,415.25	275.95	9.752		
17,800.00	7,730.00	7,702.00	7,702.00	149.28	133.45	-90.00	-5,617.76	5,704.10	2,750.14	2,473.90	276.24	9.956		
17,900.00	7,730.00	7,702.00	7,702.00	150.91	133.45	-90.00	-5,617.76	5,704.10	2,811.39	2,534.98	276.42	10.171		
18,000.00	7,730.00	7,702.00	7,702.00	152.54	133.45	-90.00	-5,617.76	5,704.10	2,874.82	2,598.32	276.50	10.397		
18,100.00	7,730.00	7,702.00	7,702.00	154.18	133.45	-90.00	-5,617.76	5,704.10	2,940.28	2,663.78	276.50	10.634		
18,200.00	7,730.00	7,702.00	7,702.00	155.82	133.45	-90.00	-5,617.76	5,704.10	3,007.64	2,731.22	276.42	10.881		
18,300.00	7,730.00	7,702.00	7,702.00	157.46	133.45	-90.00	-5,617.76	5,704.10	3,076.78	2,800.50	276.29	11.136		
18,400.00	7,730.00	7,702.00	7,702.00	159.11	133.45	-90.00	-5,617.76	5,704.10	3,147.58	2,871.48	276.10	11.400		
18,500.00	7,730.00	7,702.00	7,702.00	160.75	133.45	-90.00	-5,617.76	5,704.10	3,219.93	2,944.07	275.86	11.672		
18,600.00	7,730.00	7,702.00	7,702.00	162.40	133.45	-90.00	-5,617.76	5,704.10	3,293.72	3,018.14	275.58	11.952		
18,700.00	7,730.00	7,702.00	7,702.00	164.05	133.45	-90.00	-5,617.76	5,704.10	3,368.87	3,093.59	275.27	12.238		
18,800.00	7,730.00	7,702.00	7,702.00	165.71	133.45	-90.00	-5,617.76	5,704.10	3,445.28	3,170.34	274.94	12.531		
18,900.00	7,730.00	7,702.00	7,702.00	167.36	133.45	-90.00	-5,617.76	5,704.10	3,522.87	3,248.29	274.58	12.830		
18,942.39	7,730.00	7,702.00	7,702.00	168.07	133.45	-90.00	-5,617.76	5,704.10	3,556.10	3,281.68	274.42	12.959		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT SHANNON ROBERTS 26-5 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	134.37	-4,823.78	4,930.68	6,898.02					
100.00	100.00	53.00	53.00	0.13	0.41	134.37	-4,823.78	4,930.68	6,897.86	6,897.32	0.54	N/A		
200.00	200.00	153.00	153.00	0.49	1.69	134.37	-4,823.78	4,930.68	6,897.86	6,895.68	2.19	3,155.662		
300.00	300.00	253.00	253.00	0.85	3.44	134.37	-4,823.78	4,930.68	6,897.86	6,893.57	4.29	1,608.017		
400.00	400.00	353.00	353.00	1.21	5.18	134.37	-4,823.78	4,930.68	6,897.86	6,891.47	6.39	1,078.892		
500.00	500.00	453.00	453.00	1.57	6.93	134.37	-4,823.78	4,930.68	6,897.86	6,889.37	8.50	811.774		
600.00	600.00	553.00	553.00	1.93	8.67	134.37	-4,823.78	4,930.68	6,897.86	6,887.26	10.60	650.676		
700.00	700.00	653.00	653.00	2.29	10.42	134.37	-4,823.78	4,930.68	6,897.86	6,885.16	12.70	542.930		
800.00	800.00	753.00	753.00	2.64	12.16	134.37	-4,823.78	4,930.68	6,897.86	6,883.05	14.81	465.799		
900.00	899.98	852.98	852.98	3.00	13.91	74.81	-4,823.78	4,930.68	6,897.40	6,880.50	16.91	407.939		
1,000.00	999.84	952.84	952.84	3.35	15.65	74.88	-4,823.78	4,930.68	6,896.03	6,877.03	19.00	362.883		
1,100.00	1,099.45	1,052.45	1,052.45	3.71	17.39	74.99	-4,823.78	4,930.68	6,893.76	6,872.66	21.10	326.712		
1,200.00	1,198.70	1,151.70	1,151.70	4.08	19.12	75.15	-4,823.78	4,930.68	6,890.60	6,867.40	23.20	297.001		
1,300.00	1,297.47	1,250.47	1,250.47	4.47	20.85	75.35	-4,823.78	4,930.68	6,886.57	6,861.26	25.31	272.125		
1,400.00	1,395.62	1,348.62	1,348.62	4.87	22.56	75.60	-4,823.78	4,930.68	6,881.70	6,854.28	27.42	250.956		
1,500.00	1,493.06	1,446.06	1,446.06	5.31	24.26	75.88	-4,823.78	4,930.68	6,876.02	6,846.47	29.55	232.690		
1,600.00	1,589.64	1,542.64	1,542.64	5.77	25.95	76.21	-4,823.78	4,930.68	6,869.57	6,837.88	31.69	216.741		
1,700.00	1,685.27	1,638.27	1,638.27	6.28	27.62	76.58	-4,823.78	4,930.68	6,862.40	6,828.54	33.86	202.671		
1,800.00	1,779.82	1,732.82	1,732.82	6.83	29.27	76.98	-4,823.78	4,930.68	6,854.55	6,818.50	36.05	190.148		
1,900.00	1,873.17	1,826.17	1,826.17	7.43	30.90	77.42	-4,823.78	4,930.68	6,846.08	6,807.81	38.26	178.916		
2,000.00	1,965.21	1,918.21	1,918.21	8.08	32.50	77.90	-4,823.78	4,930.68	6,837.04	6,796.53	40.51	168.775		
2,100.00	2,055.84	2,008.84	2,008.84	8.79	34.08	78.40	-4,823.78	4,930.68	6,827.51	6,784.72	42.79	159.568		
2,200.00	2,144.94	2,102.06	2,097.94	9.56	35.71	78.93	-4,823.78	4,930.68	6,817.54	6,772.37	45.17	150.926		
2,300.00	2,232.39	2,185.39	2,185.39	10.39	37.16	79.49	-4,823.78	4,930.68	6,807.22	6,759.77	47.45	143.471		
2,400.00	2,318.11	2,271.11	2,271.11	11.30	38.66	80.06	-4,823.78	4,930.68	6,796.62	6,746.78	49.83	136.393		
2,504.60	2,405.78	2,358.78	2,358.78	12.31	40.19	80.69	-4,823.78	4,930.68	6,785.31	6,732.94	52.36	129.578		
2,600.00	2,484.79	2,437.79	2,437.79	13.28	41.57	81.06	-4,823.78	4,930.68	6,775.12	6,720.42	54.71	123.847		
2,700.00	2,567.60	2,520.60	2,520.60	14.32	43.02	81.45	-4,823.78	4,930.68	6,764.89	6,707.71	57.18	118.305		
2,800.00	2,650.41	2,603.41	2,603.41	15.37	44.46	81.84	-4,823.78	4,930.68	6,755.10	6,695.42	59.68	113.195		
2,900.00	2,733.23	2,686.23	2,686.23	16.44	45.91	82.23	-4,823.78	4,930.68	6,745.77	6,683.58	62.19	108.476		
3,000.00	2,816.04	2,769.04	2,769.04	17.52	47.35	82.63	-4,823.78	4,930.68	6,736.88	6,672.17	64.71	104.110		
3,100.00	2,898.85	2,851.85	2,851.85	18.60	48.80	83.02	-4,823.78	4,930.68	6,728.46	6,661.21	67.24	100.062		
3,200.00	2,981.67	2,934.67	2,934.67	19.69	50.24	83.41	-4,823.78	4,930.68	6,720.49	6,650.70	69.79	96.302		
3,300.00	3,064.48	3,017.48	3,017.48	20.79	51.69	83.81	-4,823.78	4,930.68	6,712.98	6,640.64	72.34	92.803		
3,400.00	3,147.30	3,100.30	3,100.30	21.90	53.13	84.20	-4,823.78	4,930.68	6,705.93	6,631.03	74.89	89.541		
3,500.00	3,230.11	3,183.11	3,183.11	23.00	54.58	84.60	-4,823.78	4,930.68	6,699.34	6,621.88	77.46	86.493		
3,600.00	3,312.92	3,265.92	3,265.92	24.12	56.02	85.00	-4,823.78	4,930.68	6,693.21	6,613.19	80.02	83.642		
3,700.00	3,395.74	3,348.74	3,348.74	25.23	57.47	85.39	-4,823.78	4,930.68	6,687.55	6,604.95	82.59	80.969		
3,800.00	3,478.55	3,431.55	3,431.55	26.35	58.91	85.79	-4,823.78	4,930.68	6,682.35	6,597.18	85.17	78.460		
3,900.00	3,561.36	3,514.36	3,514.36	27.47	60.36	86.19	-4,823.78	4,930.68	6,677.62	6,589.87	87.75	76.101		
4,000.00	3,644.18	3,602.82	3,597.18	28.59	61.90	86.58	-4,823.78	4,930.68	6,673.36	6,582.93	90.43	73.800		
4,100.00	3,726.99	3,679.99	3,679.99	29.72	63.25	86.98	-4,823.78	4,930.68	6,669.56	6,576.65	92.91	71.786		
4,200.00	3,809.81	3,762.81	3,762.81	30.85	64.70	87.38	-4,823.78	4,930.68	6,666.24	6,570.74	95.49	69.809		
4,300.00	3,892.62	3,845.62	3,845.62	31.98	66.14	87.78	-4,823.78	4,930.68	6,663.38	6,565.30	98.08	67.940		
4,400.00	3,975.43	3,928.43	3,928.43	33.11	67.59	88.18	-4,823.78	4,930.68	6,661.00	6,560.33	100.66	66.172		
4,500.00	4,058.25	4,011.25	4,011.25	34.24	69.03	88.58	-4,823.78	4,930.68	6,659.08	6,555.83	103.25	64.496		
4,600.00	4,141.06	4,105.94	4,094.06	35.37	70.68	88.98	-4,823.78	4,930.68	6,657.64	6,551.60	106.04	62.784		
4,700.00	4,223.87	4,176.87	4,176.87	36.50	71.92	89.38	-4,823.78	4,930.68	6,656.67	6,548.25	108.42	61.398		
4,800.00	4,306.69	4,259.69	4,259.69	37.64	73.37	89.78	-4,823.78	4,930.68	6,656.17	6,545.17	111.00	59.964		
4,855.74	4,352.85	4,305.85	4,305.85	38.27	74.17	90.00	-4,823.78	4,930.68	6,656.10	6,543.65	112.44	59.195		
4,900.00	4,389.50	4,342.50	4,342.50	38.77	74.81	90.18	-4,823.78	4,930.68	6,656.14	6,542.56	113.59	58.600		
5,000.00	4,472.32	4,425.32	4,425.32	39.91	76.26	90.58	-4,823.78	4,930.68	6,656.59	6,540.42	116.17	57.301		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT SHANNON ROBERTS 26-5 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,508.13	4,508.13	41.05	77.70	90.98	-4,823.78	4,930.68	6,657.50	6,538.75	118.75	56.063		
5,200.00	4,637.94	4,609.06	4,590.94	42.18	79.47	91.38	-4,823.78	4,930.68	6,658.89	6,537.25	121.64	54.741		
5,300.00	4,720.76	4,673.76	4,673.76	43.32	80.60	91.77	-4,823.78	4,930.68	6,660.75	6,536.85	123.91	53.757		
5,400.00	4,803.57	4,756.57	4,756.57	44.46	82.04	92.17	-4,823.78	4,930.68	6,663.08	6,536.00	126.48	52.681		
5,500.00	4,886.39	4,839.39	4,839.39	45.60	83.49	92.57	-4,823.78	4,930.68	6,665.89	6,536.83	129.05	51.653		
5,600.00	4,969.20	4,922.20	4,922.20	46.74	84.93	92.97	-4,823.78	4,930.68	6,669.16	6,537.53	131.62	50.669		
5,700.00	5,052.01	5,005.01	5,005.01	47.88	86.38	93.37	-4,823.78	4,930.68	6,672.90	6,538.71	134.19	49.728		
5,800.00	5,134.83	5,087.83	5,087.83	49.02	87.82	93.77	-4,823.78	4,930.68	6,677.11	6,540.36	136.75	48.827		
5,900.00	5,217.64	5,170.64	5,170.64	50.16	89.27	94.17	-4,823.78	4,930.68	6,681.78	6,542.47	139.31	47.963		
6,000.00	5,300.45	5,253.45	5,253.45	51.30	90.71	94.56	-4,823.78	4,930.68	6,686.93	6,545.06	141.87	47.135		
6,100.00	5,383.27	5,336.27	5,336.27	52.45	92.16	94.96	-4,823.78	4,930.68	6,692.54	6,548.12	144.42	46.341		
6,200.00	5,466.08	5,419.08	5,419.08	53.59	93.60	95.36	-4,823.78	4,930.68	6,698.61	6,551.64	146.97	45.579		
6,300.00	5,548.90	5,501.90	5,501.90	54.73	95.05	95.75	-4,823.78	4,930.68	6,705.15	6,555.63	149.51	44.847		
6,400.00	5,631.71	5,584.71	5,584.71	55.87	96.49	96.15	-4,823.78	4,930.68	6,712.14	6,560.09	152.05	44.144		
6,500.00	5,714.52	5,667.52	5,667.52	57.02	97.94	96.54	-4,823.78	4,930.68	6,719.60	6,565.01	154.59	43.468		
6,600.00	5,797.34	5,750.34	5,750.34	58.16	99.38	96.94	-4,823.78	4,930.68	6,727.52	6,570.40	157.12	42.818		
6,700.00	5,880.15	5,833.15	5,833.15	59.30	100.83	97.33	-4,823.78	4,930.68	6,735.89	6,576.25	159.64	42.193		
6,800.00	5,962.96	5,915.96	5,915.96	60.45	102.28	97.72	-4,823.78	4,930.68	6,744.72	6,582.56	162.16	41.592		
6,900.00	6,045.78	6,001.22	5,998.78	61.59	103.76	98.11	-4,823.78	4,930.68	6,754.01	6,589.29	164.72	41.003		
7,000.00	6,128.59	6,081.59	6,081.59	62.73	105.17	98.50	-4,823.78	4,930.68	6,763.74	6,596.55	167.19	40.456		
7,100.00	6,211.41	6,164.41	6,164.41	63.88	106.61	98.90	-4,823.78	4,930.68	6,773.93	6,604.23	169.69	39.919		
7,200.00	6,294.22	6,247.22	6,247.22	65.02	108.06	99.28	-4,823.78	4,930.68	6,784.56	6,612.37	172.19	39.401		
7,300.00	6,377.03	6,330.03	6,330.03	66.17	109.50	99.67	-4,823.78	4,930.68	6,795.64	6,620.95	174.68	38.903		
7,400.00	6,459.85	6,412.85	6,412.85	67.31	110.95	100.06	-4,823.78	4,930.68	6,807.16	6,629.99	177.17	38.422		
7,500.00	6,542.66	6,504.34	6,495.66	68.46	112.54	100.45	-4,823.78	4,930.68	6,819.12	6,639.32	179.80	37.926		
7,600.00	6,625.48	6,578.48	6,578.48	69.60	113.84	100.83	-4,823.78	4,930.68	6,831.53	6,649.40	182.13	37.510		
7,700.00	6,708.29	6,661.29	6,661.29	70.75	115.28	101.22	-4,823.78	4,930.68	6,844.37	6,659.77	184.59	37.078		
7,800.00	6,791.10	6,744.10	6,744.10	71.89	116.73	101.60	-4,823.78	4,930.68	6,857.64	6,670.58	187.06	36.661		
7,900.00	6,873.92	6,826.92	6,826.92	73.04	118.17	101.99	-4,823.78	4,930.68	6,871.34	6,681.83	189.51	36.258		
8,000.00	6,956.73	6,909.73	6,909.73	74.18	119.62	102.37	-4,823.78	4,930.68	6,885.48	6,693.52	191.96	35.869		
8,100.00	7,039.54	7,007.46	6,992.54	75.33	121.33	102.75	-4,823.78	4,930.68	6,900.04	6,705.38	194.66	35.446		
8,165.32	7,093.63	7,046.63	7,046.63	76.08	122.01	103.00	-4,823.78	4,930.68	6,909.78	6,713.78	195.99	35.255		
8,200.00	7,122.60	7,075.60	7,075.60	76.47	122.52	98.40	-4,823.78	4,930.68	6,914.01	6,717.17	196.84	35.125		
8,250.00	7,165.05	7,118.05	7,118.05	77.01	123.26	90.99	-4,823.78	4,930.68	6,916.60	6,718.54	198.06	34.921		
8,300.00	7,208.03	7,161.03	7,161.03	77.52	124.01	82.84	-4,823.78	4,930.68	6,915.04	6,715.76	199.28	34.699		
8,350.00	7,251.22	7,204.22	7,204.22	77.99	124.76	74.33	-4,823.78	4,930.68	6,909.33	6,708.84	200.49	34.462		
8,400.00	7,294.28	7,247.28	7,247.28	78.41	125.51	65.89	-4,823.78	4,930.68	6,899.49	6,697.82	201.66	34.213		
8,450.00	7,336.90	7,289.90	7,289.90	78.78	126.26	57.91	-4,823.78	4,930.68	6,885.59	6,682.78	202.80	33.952		
8,500.00	7,378.73	7,331.73	7,331.73	79.10	126.99	50.62	-4,823.78	4,930.68	6,867.72	6,663.83	203.89	33.683		
8,550.00	7,419.47	7,372.47	7,372.47	79.37	127.70	44.12	-4,823.78	4,930.68	6,846.01	6,641.08	204.93	33.407		
8,600.00	7,458.81	7,411.81	7,411.81	79.59	128.38	38.38	-4,823.78	4,930.68	6,820.60	6,614.70	205.90	33.125		
8,650.00	7,496.44	7,449.44	7,449.44	79.76	129.04	33.29	-4,823.78	4,930.68	6,791.68	6,584.87	206.81	32.840		
8,700.00	7,532.08	7,485.08	7,485.08	79.88	129.66	28.68	-4,823.78	4,930.68	6,759.46	6,551.81	207.64	32.553		
8,750.00	7,565.46	7,518.46	7,518.46	79.95	130.24	24.39	-4,823.78	4,930.68	6,724.16	6,515.76	208.40	32.266		
8,800.00	7,596.33	7,549.33	7,549.33	79.98	130.78	20.22	-4,823.78	4,930.68	6,686.05	6,476.97	209.08	31.979		
8,850.00	7,624.44	7,577.44	7,577.44	79.97	131.27	15.93	-4,823.78	4,930.68	6,645.40	6,435.73	209.67	31.695		
8,900.00	7,649.59	7,602.59	7,602.59	79.93	131.71	11.17	-4,823.78	4,930.68	6,602.52	6,392.34	210.18	31.414		
8,950.00	7,671.59	7,624.59	7,624.59	79.84	132.10	5.46	-4,823.78	4,930.68	6,557.73	6,347.14	210.60	31.139		
9,000.00	7,690.26	7,643.26	7,643.26	79.73	132.42	-2.04	-4,823.78	4,930.68	6,511.37	6,300.44	210.93	30.870		
9,050.00	7,705.47	7,658.47	7,658.47	79.59	132.69	-12.77	-4,823.78	4,930.68	6,463.79	6,252.62	211.17	30.610		
9,100.00	7,717.09	7,670.09	7,670.09	79.43	132.89	-28.93	-4,823.78	4,930.68	6,415.35	6,204.02	211.32	30.358		
9,150.00	7,725.04	7,678.04	7,678.04	79.26	133.03	-51.85	-4,823.78	4,930.68	6,366.42	6,155.03	211.39	30.117		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT SHANNON ROBERTS 26-5 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,682.27	7,682.27	79.06	133.10	-76.94	-4,823.78	4,930.68	6,317.40	6,106.02	211.37	29.887		
9,231.13	7,730.00	7,683.00	7,683.00	78.93	133.12	-90.00	-4,823.78	4,930.68	6,286.98	6,075.66	211.32	29.751		
9,300.00	7,730.00	7,683.00	7,683.00	78.65	133.12	-90.00	-4,823.78	4,930.68	6,219.92	6,008.76	211.16	29.455		
9,400.00	7,730.00	7,683.00	7,683.00	78.26	133.12	-90.00	-4,823.78	4,930.68	6,122.61	5,911.67	210.93	29.026		
9,500.00	7,730.00	7,683.00	7,683.00	77.89	133.12	-90.00	-4,823.78	4,930.68	6,025.39	5,814.69	210.70	28.597		
9,600.00	7,730.00	7,683.00	7,683.00	77.53	133.12	-90.00	-4,823.78	4,930.68	5,928.26	5,717.80	210.46	28.169		
9,700.00	7,730.00	7,683.00	7,683.00	77.19	133.12	-90.00	-4,823.78	4,930.68	5,831.22	5,621.02	210.21	27.740		
9,800.00	7,730.00	7,683.00	7,683.00	76.88	133.12	-90.00	-4,823.78	4,930.68	5,734.29	5,524.34	209.95	27.313		
9,900.00	7,730.00	7,683.00	7,683.00	76.58	133.12	-90.00	-4,823.78	4,930.68	5,637.47	5,427.78	209.69	26.885		
10,000.00	7,730.00	7,683.00	7,683.00	76.30	133.12	-90.00	-4,823.78	4,930.68	5,540.76	5,331.34	209.41	26.458		
10,100.00	7,730.00	7,683.00	7,683.00	76.04	133.12	-90.00	-4,823.78	4,930.68	5,444.17	5,235.03	209.13	26.032		
10,200.00	7,730.00	7,683.00	7,683.00	75.79	133.12	-90.00	-4,823.78	4,930.68	5,347.70	5,138.85	208.84	25.606		
10,300.00	7,730.00	7,683.00	7,683.00	75.57	133.12	-90.00	-4,823.78	4,930.68	5,251.36	5,042.82	208.55	25.181		
10,400.00	7,730.00	7,683.00	7,683.00	75.36	133.12	-90.00	-4,823.78	4,930.68	5,155.17	4,946.93	208.24	24.756		
10,500.00	7,730.00	7,683.00	7,683.00	75.18	133.12	-90.00	-4,823.78	4,930.68	5,059.12	4,851.20	207.92	24.332		
10,600.00	7,730.00	7,683.00	7,683.00	75.01	133.12	-90.00	-4,823.78	4,930.68	4,963.23	4,755.63	207.60	23.908		
10,700.00	7,730.00	7,683.00	7,683.00	74.86	133.12	-90.00	-4,823.78	4,930.68	4,867.50	4,660.24	207.26	23.485		
10,800.00	7,730.00	7,683.00	7,683.00	74.74	133.12	-90.00	-4,823.78	4,930.68	4,771.95	4,565.04	206.91	23.063		
10,900.00	7,730.00	7,683.00	7,683.00	74.64	133.12	-90.00	-4,823.78	4,930.68	4,676.59	4,470.03	206.55	22.641		
11,000.00	7,730.00	7,683.00	7,683.00	74.56	133.12	-90.00	-4,823.78	4,930.68	4,581.42	4,375.24	206.18	22.220		
11,100.00	7,730.00	7,683.00	7,683.00	74.51	133.12	-90.00	-4,823.78	4,930.68	4,486.46	4,280.66	205.80	21.800		
11,200.00	7,730.00	7,683.00	7,683.00	74.48	133.12	-90.00	-4,823.78	4,930.68	4,391.73	4,186.32	205.41	21.381		
11,300.00	7,730.00	7,683.00	7,683.00	74.48	133.12	-90.00	-4,823.78	4,930.68	4,297.24	4,092.24	205.00	20.962		
11,400.00	7,730.00	7,683.00	7,683.00	74.50	133.12	-90.00	-4,823.78	4,930.68	4,203.00	3,998.42	204.58	20.545		
11,500.00	7,730.00	7,683.00	7,683.00	74.56	133.12	-90.00	-4,823.78	4,930.68	4,109.03	3,904.89	204.14	20.128		
11,600.00	7,730.00	7,683.00	7,683.00	74.66	133.12	-90.00	-4,823.78	4,930.68	4,015.35	3,811.66	203.69	19.713		
11,700.00	7,730.00	7,683.00	7,683.00	74.79	133.12	-90.00	-4,823.78	4,930.68	3,921.99	3,718.76	203.23	19.298		
11,800.00	7,730.00	7,683.00	7,683.00	74.96	133.12	-90.00	-4,823.78	4,930.68	3,828.96	3,626.21	202.76	18.885		
11,900.00	7,730.00	7,683.00	7,683.00	75.17	133.12	-90.00	-4,823.78	4,930.68	3,736.29	3,534.03	202.26	18.472		
12,000.00	7,730.00	7,683.00	7,683.00	75.43	133.12	-90.00	-4,823.78	4,930.68	3,644.01	3,442.25	201.76	18.061		
12,100.00	7,730.00	7,683.00	7,683.00	75.73	133.12	-90.00	-4,823.78	4,930.68	3,552.15	3,350.91	201.24	17.651		
12,200.00	7,730.00	7,683.00	7,683.00	76.09	133.12	-90.00	-4,823.78	4,930.68	3,460.74	3,260.03	200.71	17.242		
12,300.00	7,730.00	7,683.00	7,683.00	76.51	133.12	-90.00	-4,823.78	4,930.68	3,369.81	3,169.64	200.17	16.835		
12,400.00	7,730.00	7,683.00	7,683.00	76.97	133.12	-90.00	-4,823.78	4,930.68	3,279.42	3,079.80	199.62	16.429		
12,500.00	7,730.00	7,683.00	7,683.00	77.50	133.12	-90.00	-4,823.78	4,930.68	3,189.60	2,990.54	199.06	16.024		
12,600.00	7,730.00	7,683.00	7,683.00	78.09	133.12	-90.00	-4,823.78	4,930.68	3,100.40	2,901.91	198.49	15.620		
12,700.00	7,730.00	7,683.00	7,683.00	78.74	133.12	-90.00	-4,823.78	4,930.68	3,011.88	2,813.96	197.92	15.218		
12,800.00	7,730.00	7,683.00	7,683.00	79.45	133.12	-90.00	-4,823.78	4,930.68	2,924.10	2,726.75	197.35	14.817		
12,900.00	7,730.00	7,683.00	7,683.00	80.22	133.12	-90.00	-4,823.78	4,930.68	2,837.13	2,640.34	196.79	14.417		
13,000.00	7,730.00	7,683.00	7,683.00	81.05	133.12	-90.00	-4,823.78	4,930.68	2,751.04	2,554.80	196.25	14.018		
13,100.00	7,730.00	7,683.00	7,683.00	81.94	133.12	-90.00	-4,823.78	4,930.68	2,665.93	2,470.20	195.73	13.621		
13,200.00	7,730.00	7,683.00	7,683.00	82.87	133.12	-90.00	-4,823.78	4,930.68	2,581.88	2,386.64	195.24	13.224		
13,300.00	7,730.00	7,683.00	7,683.00	83.86	133.12	-90.00	-4,823.78	4,930.68	2,499.01	2,304.21	194.80	12.828		
13,400.00	7,730.00	7,683.00	7,683.00	84.90	133.12	-90.00	-4,823.78	4,930.68	2,417.44	2,223.00	194.44	12.433		
13,500.00	7,730.00	7,683.00	7,683.00	85.97	133.12	-90.00	-4,823.78	4,930.68	2,337.30	2,143.14	194.15	12.038		
13,600.00	7,730.00	7,683.00	7,683.00	87.09	133.12	-90.00	-4,823.78	4,930.68	2,258.74	2,064.75	193.98	11.644		
13,700.00	7,730.00	7,683.00	7,683.00	88.25	133.12	-90.00	-4,823.78	4,930.68	2,181.93	1,987.98	193.96	11.250		
13,800.00	7,730.00	7,683.00	7,683.00	89.44	133.12	-90.00	-4,823.78	4,930.68	2,107.08	1,912.98	194.10	10.855		
13,900.00	7,730.00	7,683.00	7,683.00	90.66	133.12	-90.00	-4,823.78	4,930.68	2,034.38	1,839.92	194.46	10.462		
14,000.00	7,730.00	7,683.00	7,683.00	91.92	133.12	-90.00	-4,823.78	4,930.68	1,964.09	1,769.02	195.07	10.069		
14,100.00	7,730.00	7,683.00	7,683.00	93.20	133.12	-90.00	-4,823.78	4,930.68	1,896.47	1,700.50	195.97	9.677		
14,200.00	7,730.00	7,683.00	7,683.00	94.50	133.12	-90.00	-4,823.78	4,930.68	1,831.81	1,634.61	197.21	9.289		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT SHANNON ROBERTS 26-5 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,683.00	7,683.00	95.83	133.12	-90.00	-4,823.78	4,930.68	1,770.45	1,571.64	198.81	8.905		
14,400.00	7,730.00	7,683.00	7,683.00	97.17	133.12	-90.00	-4,823.78	4,930.68	1,712.72	1,511.91	200.81	8.529		
14,500.00	7,730.00	7,683.00	7,683.00	98.54	133.12	-90.00	-4,823.78	4,930.68	1,659.03	1,455.79	203.23	8.163		
14,600.00	7,730.00	7,683.00	7,683.00	99.92	133.12	-90.00	-4,823.78	4,930.68	1,609.75	1,403.69	206.06	7.812		
14,700.00	7,730.00	7,683.00	7,683.00	101.32	133.12	-90.00	-4,823.78	4,930.68	1,565.33	1,356.03	209.29	7.479		
14,800.00	7,730.00	7,683.00	7,683.00	102.74	133.12	-90.00	-4,823.78	4,930.68	1,526.17	1,313.29	212.88	7.169		
14,900.00	7,730.00	7,683.00	7,683.00	104.17	133.12	-90.00	-4,823.78	4,930.68	1,492.69	1,275.92	216.77	6.886		
15,000.00	7,730.00	7,683.00	7,683.00	105.62	133.12	-90.00	-4,823.78	4,930.68	1,465.29	1,244.41	220.88	6.634		
15,100.00	7,730.00	7,683.00	7,683.00	107.07	133.12	-90.00	-4,823.78	4,930.68	1,444.30	1,219.20	225.11	6.416		
15,200.00	7,730.00	7,683.00	7,683.00	108.54	133.12	-90.00	-4,823.78	4,930.68	1,430.02	1,200.66	229.36	6.235		
15,300.00	7,730.00	7,683.00	7,683.00	110.02	133.12	-90.00	-4,823.78	4,930.68	1,422.64	1,189.12	233.52	6.092		
15,355.29	7,730.00	7,683.00	7,683.00	110.84	133.12	-90.00	-4,823.78	4,930.68	1,421.56	1,185.82	235.74	6.030 CC		
15,400.00	7,730.00	7,683.00	7,683.00	111.51	133.12	-90.00	-4,823.78	4,930.68	1,422.27	1,184.78	237.48	5.989 ES		
15,500.00	7,730.00	7,683.00	7,683.00	113.01	133.12	-90.00	-4,823.78	4,930.68	1,428.91	1,187.74	241.17	5.925		
15,600.00	7,730.00	7,683.00	7,683.00	114.52	133.12	-90.00	-4,823.78	4,930.68	1,442.47	1,197.97	244.51	5.900 SF		
15,700.00	7,730.00	7,683.00	7,683.00	116.04	133.12	-90.00	-4,823.78	4,930.68	1,462.76	1,215.32	247.44	5.912		
15,800.00	7,730.00	7,683.00	7,683.00	117.56	133.12	-90.00	-4,823.78	4,930.68	1,489.50	1,239.54	249.96	5.959		
15,900.00	7,730.00	7,683.00	7,683.00	119.09	133.12	-90.00	-4,823.78	4,930.68	1,522.35	1,270.29	252.06	6.040		
16,000.00	7,730.00	7,683.00	7,683.00	120.63	133.12	-90.00	-4,823.78	4,930.68	1,560.93	1,307.18	253.75	6.152		
16,100.00	7,730.00	7,683.00	7,683.00	122.18	133.12	-90.00	-4,823.78	4,930.68	1,604.82	1,349.75	255.06	6.292		
16,200.00	7,730.00	7,683.00	7,683.00	123.73	133.12	-90.00	-4,823.78	4,930.68	1,653.59	1,397.56	256.04	6.458		
16,300.00	7,730.00	7,683.00	7,683.00	125.29	133.12	-90.00	-4,823.78	4,930.68	1,706.84	1,450.13	256.71	6.649		
16,400.00	7,730.00	7,683.00	7,683.00	126.86	133.12	-90.00	-4,823.78	4,930.68	1,764.16	1,507.02	257.14	6.861		
16,500.00	7,730.00	7,683.00	7,683.00	128.43	133.12	-90.00	-4,823.78	4,930.68	1,825.16	1,567.81	257.34	7.092		
16,600.00	7,730.00	7,683.00	7,683.00	130.01	133.12	-90.00	-4,823.78	4,930.68	1,889.48	1,632.11	257.37	7.341		
16,700.00	7,730.00	7,683.00	7,683.00	131.59	133.12	-90.00	-4,823.78	4,930.68	1,956.80	1,699.55	257.26	7.606		
16,800.00	7,730.00	7,683.00	7,683.00	133.18	133.12	-90.00	-4,823.78	4,930.68	2,026.83	1,769.80	257.02	7.886		
16,900.00	7,730.00	7,683.00	7,683.00	134.77	133.12	-90.00	-4,823.78	4,930.68	2,099.28	1,842.58	256.70	8.178		
17,000.00	7,730.00	7,683.00	7,683.00	136.37	133.12	-90.00	-4,823.78	4,930.68	2,173.92	1,917.61	256.31	8.482		
17,100.00	7,730.00	7,683.00	7,683.00	137.97	133.12	-90.00	-4,823.78	4,930.68	2,250.52	1,994.66	255.86	8.796		
17,200.00	7,730.00	7,683.00	7,683.00	139.57	133.12	-90.00	-4,823.78	4,930.68	2,328.90	2,073.52	255.38	9.119		
17,300.00	7,730.00	7,683.00	7,683.00	141.18	133.12	-90.00	-4,823.78	4,930.68	2,408.89	2,154.02	254.87	9.451		
17,400.00	7,730.00	7,683.00	7,683.00	142.79	133.12	-90.00	-4,823.78	4,930.68	2,490.32	2,235.97	254.34	9.791		
17,500.00	7,730.00	7,683.00	7,683.00	144.41	133.12	-90.00	-4,823.78	4,930.68	2,573.06	2,319.25	253.80	10.138		
17,600.00	7,730.00	7,683.00	7,683.00	146.03	133.12	-90.00	-4,823.78	4,930.68	2,656.98	2,403.72	253.26	10.491		
17,700.00	7,730.00	7,683.00	7,683.00	147.65	133.12	-90.00	-4,823.78	4,930.68	2,741.99	2,489.27	252.72	10.850		
17,800.00	7,730.00	7,683.00	7,683.00	149.28	133.12	-90.00	-4,823.78	4,930.68	2,827.97	2,575.79	252.18	11.214		
17,900.00	7,730.00	7,683.00	7,683.00	150.91	133.12	-90.00	-4,823.78	4,930.68	2,914.86	2,663.20	251.65	11.583		
18,000.00	7,730.00	7,683.00	7,683.00	152.54	133.12	-90.00	-4,823.78	4,930.68	3,002.55	2,751.42	251.13	11.956		
18,100.00	7,730.00	7,683.00	7,683.00	154.18	133.12	-90.00	-4,823.78	4,930.68	3,091.00	2,840.37	250.63	12.333		
18,200.00	7,730.00	7,683.00	7,683.00	155.82	133.12	-90.00	-4,823.78	4,930.68	3,180.13	2,930.00	250.13	12.714		
18,300.00	7,730.00	7,683.00	7,683.00	157.46	133.12	-90.00	-4,823.78	4,930.68	3,269.89	3,020.24	249.65	13.098		
18,400.00	7,730.00	7,683.00	7,683.00	159.11	133.12	-90.00	-4,823.78	4,930.68	3,360.22	3,111.05	249.18	13.485		
18,500.00	7,730.00	7,683.00	7,683.00	160.75	133.12	-90.00	-4,823.78	4,930.68	3,451.09	3,202.37	248.72	13.875		
18,600.00	7,730.00	7,683.00	7,683.00	162.40	133.12	-90.00	-4,823.78	4,930.68	3,542.45	3,294.17	248.28	14.268		
18,700.00	7,730.00	7,683.00	7,683.00	164.05	133.12	-90.00	-4,823.78	4,930.68	3,634.27	3,386.42	247.85	14.663		
18,800.00	7,730.00	7,683.00	7,683.00	165.71	133.12	-90.00	-4,823.78	4,930.68	3,726.51	3,479.07	247.44	15.060		
18,900.00	7,730.00	7,683.00	7,683.00	167.36	133.12	-90.00	-4,823.78	4,930.68	3,819.14	3,572.10	247.04	15.460		
18,942.39	7,730.00	7,683.00	7,683.00	168.07	133.12	-90.00	-4,823.78	4,930.68	3,858.51	3,611.64	246.87	15.630		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT ALAUX 26-3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	142.74	-4,088.21	3,110.22	5,136.87					
100.00	100.00	78.00	78.00	0.13	0.61	142.74	-4,088.21	3,110.22	5,136.82	5,136.08	0.74	6,939.484		
200.00	200.00	178.00	178.00	0.49	2.14	142.74	-4,088.21	3,110.22	5,136.82	5,134.19	2.63	1,952.476		
300.00	300.00	278.00	278.00	0.85	3.88	142.74	-4,088.21	3,110.22	5,136.82	5,132.09	4.73	1,084.925		
400.00	400.00	378.00	378.00	1.21	5.63	142.74	-4,088.21	3,110.22	5,136.82	5,129.99	6.84	751.159		
500.00	500.00	478.00	478.00	1.57	7.37	142.74	-4,088.21	3,110.22	5,136.82	5,127.88	8.94	574.439		
600.00	600.00	578.00	578.00	1.93	9.12	142.74	-4,088.21	3,110.22	5,136.82	5,125.78	11.05	465.034		
700.00	700.00	678.00	678.00	2.29	10.86	142.74	-4,088.21	3,110.22	5,136.82	5,123.67	13.15	390.635		
800.00	800.00	778.00	778.00	2.64	12.61	142.74	-4,088.21	3,110.22	5,136.82	5,121.57	15.25	336.759		
900.00	899.98	877.98	877.98	3.00	14.35	83.17	-4,088.21	3,110.22	5,136.62	5,119.26	17.35	296.006		
1,000.00	999.84	977.84	977.84	3.35	16.10	83.24	-4,088.21	3,110.22	5,136.00	5,116.55	19.45	264.077		
1,100.00	1,099.45	1,077.45	1,077.45	3.71	17.84	83.36	-4,088.21	3,110.22	5,134.98	5,113.43	21.55	238.321		
1,200.00	1,198.70	1,176.70	1,176.70	4.08	19.57	83.52	-4,088.21	3,110.22	5,133.57	5,109.93	23.65	217.083		
1,300.00	1,297.47	1,275.47	1,275.47	4.47	21.29	83.73	-4,088.21	3,110.22	5,131.82	5,106.06	25.76	199.246		
1,400.00	1,395.62	1,373.62	1,373.62	4.87	23.01	83.98	-4,088.21	3,110.22	5,129.74	5,101.86	27.87	184.027		
1,500.00	1,493.06	1,471.06	1,471.06	5.31	24.71	84.27	-4,088.21	3,110.22	5,127.37	5,097.36	30.01	170.869		
1,600.00	1,589.64	1,567.64	1,567.64	5.77	26.39	84.60	-4,088.21	3,110.22	5,124.77	5,092.62	32.16	159.359		
1,700.00	1,685.27	1,663.27	1,663.27	6.28	28.06	84.97	-4,088.21	3,110.22	5,121.99	5,087.66	34.33	149.192		
1,800.00	1,779.82	1,757.82	1,757.82	6.83	29.71	85.37	-4,088.21	3,110.22	5,119.09	5,082.56	36.53	140.135		
1,900.00	1,873.17	1,851.17	1,851.17	7.43	31.34	85.80	-4,088.21	3,110.22	5,116.14	5,077.38	38.76	132.007		
2,000.00	1,965.21	1,943.21	1,943.21	8.08	32.95	86.26	-4,088.21	3,110.22	5,113.20	5,072.19	41.01	124.668		
2,100.00	2,055.84	2,033.84	2,033.84	8.79	34.53	86.75	-4,088.21	3,110.22	5,110.36	5,067.05	43.31	118.006		
2,200.00	2,144.94	2,122.94	2,122.94	9.56	36.08	87.25	-4,088.21	3,110.22	5,107.69	5,062.06	45.63	111.932		
2,300.00	2,232.39	2,210.39	2,210.39	10.39	37.61	87.77	-4,088.21	3,110.22	5,105.29	5,057.30	47.99	106.372		
2,400.00	2,318.11	2,303.89	2,296.11	11.30	39.24	88.31	-4,088.21	3,110.22	5,103.24	5,052.71	50.53	100.996		
2,504.60	2,405.78	2,383.78	2,383.78	12.31	40.64	88.88	-4,088.21	3,110.22	5,101.58	5,048.64	52.94	96.363		
2,600.00	2,484.79	2,462.79	2,462.79	13.28	42.02	89.38	-4,088.21	3,110.22	5,100.60	5,045.31	55.29	92.247		
2,700.00	2,567.60	2,545.60	2,545.60	14.32	43.46	89.90	-4,088.21	3,110.22	5,100.17	5,042.40	57.78	88.272		
2,719.19	2,583.49	2,561.49	2,561.49	14.52	43.74	90.00	-4,088.21	3,110.22	5,100.16	5,041.90	58.26	87.545		
2,800.00	2,650.41	2,628.41	2,628.41	15.37	44.91	90.42	-4,088.21	3,110.22	5,100.36	5,040.08	60.28	84.614		
2,900.00	2,733.23	2,711.23	2,711.23	16.44	46.35	90.94	-4,088.21	3,110.22	5,101.17	5,038.38	62.79	81.242		
3,000.00	2,816.04	2,805.96	2,794.04	17.52	48.00	91.46	-4,088.21	3,110.22	5,102.59	5,037.07	65.52	77.880		
3,100.00	2,898.85	2,876.85	2,876.85	18.60	49.24	91.99	-4,088.21	3,110.22	5,104.63	5,036.79	67.84	75.247		
3,200.00	2,981.67	2,959.67	2,959.67	19.69	50.69	92.51	-4,088.21	3,110.22	5,107.28	5,036.91	70.37	72.576		
3,300.00	3,064.48	3,042.48	3,042.48	20.79	52.13	93.03	-4,088.21	3,110.22	5,110.54	5,037.63	72.91	70.096		
3,400.00	3,147.30	3,125.30	3,125.30	21.90	53.58	93.55	-4,088.21	3,110.22	5,114.42	5,038.97	75.45	67.789		
3,500.00	3,230.11	3,208.11	3,208.11	23.00	55.02	94.06	-4,088.21	3,110.22	5,118.91	5,040.92	77.99	65.638		
3,600.00	3,312.92	3,309.08	3,290.92	24.12	56.79	94.58	-4,088.21	3,110.22	5,124.00	5,043.16	80.84	63.381		
3,700.00	3,395.74	3,373.74	3,373.74	25.23	57.91	95.10	-4,088.21	3,110.22	5,129.71	5,046.64	83.07	61.754		
3,800.00	3,478.55	3,456.55	3,456.55	26.35	59.36	95.62	-4,088.21	3,110.22	5,136.02	5,050.41	85.61	59.996		
3,900.00	3,561.36	3,539.36	3,539.36	27.47	60.80	96.13	-4,088.21	3,110.22	5,142.93	5,054.79	88.14	58.348		
4,000.00	3,644.18	3,622.18	3,622.18	28.59	62.25	96.65	-4,088.21	3,110.22	5,150.44	5,059.77	90.68	56.800		
4,100.00	3,726.99	3,704.99	3,704.99	29.72	63.70	97.16	-4,088.21	3,110.22	5,158.55	5,065.35	93.21	55.345		
4,200.00	3,809.81	3,787.81	3,787.81	30.85	65.14	97.68	-4,088.21	3,110.22	5,167.26	5,071.53	95.74	53.974		
4,300.00	3,892.62	3,870.62	3,870.62	31.98	66.59	98.19	-4,088.21	3,110.22	5,176.56	5,078.30	98.26	52.683		
4,400.00	3,975.43	3,953.43	3,953.43	33.11	68.03	98.70	-4,088.21	3,110.22	5,186.45	5,085.67	100.78	51.464		
4,500.00	4,058.25	4,036.25	4,036.25	34.24	69.48	99.21	-4,088.21	3,110.22	5,196.92	5,093.63	103.29	50.313		
4,600.00	4,141.06	4,119.06	4,119.06	35.37	70.92	99.71	-4,088.21	3,110.22	5,207.98	5,102.18	105.80	49.224		
4,700.00	4,223.87	4,201.87	4,201.87	36.50	72.37	100.22	-4,088.21	3,110.22	5,219.62	5,111.31	108.30	48.194		
4,800.00	4,306.69	4,284.69	4,284.69	37.64	73.81	100.72	-4,088.21	3,110.22	5,231.83	5,121.02	110.80	47.218		
4,900.00	4,389.50	4,367.50	4,367.50	38.77	75.26	101.23	-4,088.21	3,110.22	5,244.61	5,131.31	113.29	46.293		
5,000.00	4,472.32	4,450.32	4,450.32	39.91	76.70	101.73	-4,088.21	3,110.22	5,257.95	5,142.18	115.78	45.414		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT ALAUX 26-3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,533.13	4,533.13	41.05	78.15	102.23	-4,088.21	3,110.22	5,271.86	5,153.61	118.26	44.580		
5,200.00	4,637.94	4,615.94	4,615.94	42.18	79.59	102.72	-4,088.21	3,110.22	5,286.33	5,165.60	120.73	43.788		
5,300.00	4,720.76	4,701.24	4,698.76	43.32	81.08	103.22	-4,088.21	3,110.22	5,301.35	5,178.12	123.23	43.019		
5,400.00	4,803.57	4,781.57	4,781.57	44.46	82.49	103.71	-4,088.21	3,110.22	5,316.92	5,191.27	125.65	42.317		
5,500.00	4,886.39	4,864.39	4,864.39	45.60	83.93	104.20	-4,088.21	3,110.22	5,333.03	5,204.94	128.09	41.633		
5,600.00	4,969.20	4,947.20	4,947.20	46.74	85.38	104.69	-4,088.21	3,110.22	5,349.68	5,219.15	130.54	40.982		
5,700.00	5,052.01	5,030.01	5,030.01	47.88	86.82	105.18	-4,088.21	3,110.22	5,366.87	5,233.90	132.97	40.362		
5,800.00	5,134.83	5,112.83	5,112.83	49.02	88.27	105.66	-4,088.21	3,110.22	5,384.58	5,249.19	135.39	39.770		
5,900.00	5,217.64	5,204.36	5,195.64	50.16	89.86	106.15	-4,088.21	3,110.22	5,402.82	5,264.86	137.96	39.161		
6,000.00	5,300.45	5,278.45	5,278.45	51.30	91.16	106.63	-4,088.21	3,110.22	5,421.57	5,281.35	140.22	38.665		
6,100.00	5,383.27	5,361.27	5,361.27	52.45	92.60	107.10	-4,088.21	3,110.22	5,440.84	5,298.22	142.62	38.149		
6,200.00	5,466.08	5,444.08	5,444.08	53.59	94.05	107.58	-4,088.21	3,110.22	5,460.62	5,315.61	145.01	37.657		
6,300.00	5,548.90	5,526.90	5,526.90	54.73	95.49	108.05	-4,088.21	3,110.22	5,480.90	5,333.50	147.39	37.185		
6,400.00	5,631.71	5,609.71	5,609.71	55.87	96.94	108.52	-4,088.21	3,110.22	5,501.67	5,351.90	149.77	36.735		
6,500.00	5,714.52	5,707.48	5,692.52	57.02	98.65	108.99	-4,088.21	3,110.22	5,522.93	5,370.54	152.39	36.241		
6,600.00	5,797.34	5,775.34	5,775.34	58.16	99.83	109.45	-4,088.21	3,110.22	5,544.68	5,390.19	154.49	35.890		
6,700.00	5,880.15	5,858.15	5,858.15	59.30	101.28	109.92	-4,088.21	3,110.22	5,566.91	5,410.08	156.84	35.495		
6,800.00	5,962.96	5,940.96	5,940.96	60.45	102.72	110.38	-4,088.21	3,110.22	5,589.62	5,430.44	159.18	35.116		
6,900.00	6,045.78	6,023.78	6,023.78	61.59	104.17	110.83	-4,088.21	3,110.22	5,612.79	5,451.28	161.51	34.753		
7,000.00	6,128.59	6,106.59	6,106.59	62.73	105.61	111.29	-4,088.21	3,110.22	5,636.42	5,472.59	163.83	34.404		
7,100.00	6,211.41	6,189.41	6,189.41	63.88	107.06	111.74	-4,088.21	3,110.22	5,660.51	5,494.37	166.14	34.071		
7,200.00	6,294.22	6,272.22	6,272.22	65.02	108.50	112.19	-4,088.21	3,110.22	5,685.05	5,516.60	168.44	33.750		
7,300.00	6,377.03	6,355.03	6,355.03	66.17	109.95	112.63	-4,088.21	3,110.22	5,710.03	5,539.30	170.74	33.443		
7,400.00	6,459.85	6,437.85	6,437.85	67.31	111.39	113.08	-4,088.21	3,110.22	5,735.46	5,562.43	173.03	33.148		
7,500.00	6,542.66	6,520.66	6,520.66	68.46	112.84	113.52	-4,088.21	3,110.22	5,761.32	5,586.01	175.30	32.865		
7,600.00	6,625.48	6,603.48	6,603.48	69.60	114.28	113.95	-4,088.21	3,110.22	5,787.60	5,610.03	177.57	32.593		
7,700.00	6,708.29	6,686.29	6,686.29	70.75	115.73	114.39	-4,088.21	3,110.22	5,814.31	5,634.47	179.83	32.332		
7,800.00	6,791.10	6,769.10	6,769.10	71.89	117.17	114.82	-4,088.21	3,110.22	5,841.43	5,659.35	182.08	32.081		
7,900.00	6,873.92	6,851.92	6,851.92	73.04	118.62	115.25	-4,088.21	3,110.22	5,868.96	5,684.63	184.32	31.840		
8,000.00	6,956.73	6,934.73	6,934.73	74.18	120.07	115.67	-4,088.21	3,110.22	5,896.89	5,710.34	186.56	31.609		
8,100.00	7,039.54	7,017.54	7,017.54	75.33	121.51	116.09	-4,088.21	3,110.22	5,925.23	5,736.44	188.78	31.386		
8,165.32	7,093.63	7,071.63	7,071.63	76.08	122.45	116.37	-4,088.21	3,110.22	5,943.95	5,753.72	190.23	31.246		
8,200.00	7,122.60	7,100.60	7,100.60	76.47	122.96	111.69	-4,088.21	3,110.22	5,952.95	5,761.94	191.01	31.166		
8,250.00	7,165.05	7,143.05	7,143.05	77.01	123.70	104.23	-4,088.21	3,110.22	5,962.40	5,770.26	192.14	31.032		
8,300.00	7,208.03	7,186.03	7,186.03	77.52	124.45	96.14	-4,088.21	3,110.22	5,967.65	5,774.36	193.28	30.875		
8,350.00	7,251.22	7,229.22	7,229.22	77.99	125.21	87.78	-4,088.21	3,110.22	5,968.64	5,774.22	194.42	30.699		
8,400.00	7,294.28	7,272.28	7,272.28	78.41	125.96	79.60	-4,088.21	3,110.22	5,965.39	5,769.84	195.55	30.505		
8,450.00	7,336.90	7,314.90	7,314.90	78.78	126.70	71.99	-4,088.21	3,110.22	5,957.91	5,761.25	196.66	30.296		
8,500.00	7,378.73	7,356.73	7,356.73	79.10	127.43	65.20	-4,088.21	3,110.22	5,946.25	5,748.52	197.73	30.073		
8,550.00	7,419.47	7,402.53	7,397.47	79.37	128.23	59.35	-4,088.21	3,110.22	5,930.50	5,731.65	198.85	29.824		
8,600.00	7,458.81	7,436.81	7,436.81	79.59	128.83	54.44	-4,088.21	3,110.22	5,910.78	5,711.03	199.75	29.591		
8,650.00	7,496.44	7,474.44	7,474.44	79.76	129.48	50.39	-4,088.21	3,110.22	5,887.22	5,686.54	200.68	29.337		
8,700.00	7,532.08	7,510.08	7,510.08	79.88	130.11	47.11	-4,088.21	3,110.22	5,859.99	5,658.45	201.54	29.075		
8,750.00	7,565.46	7,543.46	7,543.46	79.95	130.69	44.51	-4,088.21	3,110.22	5,829.30	5,626.95	202.35	28.808		
8,800.00	7,596.33	7,574.33	7,574.33	79.98	131.23	42.52	-4,088.21	3,110.22	5,795.36	5,592.28	203.08	28.537		
8,850.00	7,624.44	7,602.44	7,602.44	79.97	131.72	41.08	-4,088.21	3,110.22	5,758.42	5,554.68	203.75	28.263		
8,900.00	7,649.59	7,627.59	7,627.59	79.93	132.16	40.17	-4,088.21	3,110.22	5,718.75	5,514.41	204.33	27.987		
8,950.00	7,671.59	7,649.59	7,649.59	79.84	132.54	39.84	-4,088.21	3,110.22	5,676.63	5,471.79	204.84	27.712		
9,000.00	7,690.26	7,668.26	7,668.26	79.73	132.87	40.16	-4,088.21	3,110.22	5,632.37	5,427.10	205.27	27.439		
9,050.00	7,705.47	7,683.47	7,683.47	79.59	133.13	41.40	-4,088.21	3,110.22	5,586.30	5,380.68	205.62	27.168		
9,100.00	7,717.09	7,704.91	7,695.09	79.43	133.51	44.12	-4,088.21	3,110.22	5,538.75	5,332.70	206.06	26.880		
9,150.00	7,725.04	7,703.04	7,703.04	79.26	133.47	49.99	-4,088.21	3,110.22	5,490.09	5,284.01	206.07	26.641		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT ALAUX 26-3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,707.27	7,707.27	79.06	133.55	65.18	-4,088.21	3,110.22	5,440.65	5,234.47	206.18	26.388		
9,231.13	7,730.00	7,708.00	7,708.00	78.93	133.56	90.00	-4,088.21	3,110.22	5,409.65	5,203.44	206.21	26.234		
9,300.00	7,730.00	7,708.00	7,708.00	78.65	133.56	90.00	-4,088.21	3,110.22	5,340.98	5,134.74	206.24	25.897		
9,400.00	7,730.00	7,708.00	7,708.00	78.26	133.56	90.00	-4,088.21	3,110.22	5,241.27	5,034.98	206.28	25.408		
9,500.00	7,730.00	7,708.00	7,708.00	77.89	133.56	90.00	-4,088.21	3,110.22	5,141.57	4,935.23	206.33	24.919		
9,600.00	7,730.00	7,708.00	7,708.00	77.53	133.56	90.00	-4,088.21	3,110.22	5,041.88	4,835.50	206.38	24.430		
9,700.00	7,730.00	7,708.00	7,708.00	77.19	133.56	90.00	-4,088.21	3,110.22	4,942.20	4,735.77	206.43	23.941		
9,800.00	7,730.00	7,708.00	7,708.00	76.88	133.56	90.00	-4,088.21	3,110.22	4,842.54	4,636.05	206.49	23.452		
9,900.00	7,730.00	7,708.00	7,708.00	76.58	133.56	90.00	-4,088.21	3,110.22	4,742.89	4,536.35	206.54	22.963		
10,000.00	7,730.00	7,708.00	7,708.00	76.30	133.56	90.00	-4,088.21	3,110.22	4,643.26	4,436.65	206.60	22.474		
10,100.00	7,730.00	7,708.00	7,708.00	76.04	133.56	90.00	-4,088.21	3,110.22	4,543.64	4,336.97	206.67	21.985		
10,200.00	7,730.00	7,708.00	7,708.00	75.79	133.56	90.00	-4,088.21	3,110.22	4,444.04	4,237.30	206.73	21.496		
10,300.00	7,730.00	7,708.00	7,708.00	75.57	133.56	90.00	-4,088.21	3,110.22	4,344.46	4,137.65	206.80	21.008		
10,400.00	7,730.00	7,708.00	7,708.00	75.36	133.56	90.00	-4,088.21	3,110.22	4,244.89	4,038.02	206.88	20.519		
10,500.00	7,730.00	7,708.00	7,708.00	75.18	133.56	90.00	-4,088.21	3,110.22	4,145.35	3,938.40	206.96	20.030		
10,600.00	7,730.00	7,708.00	7,708.00	75.01	133.56	90.00	-4,088.21	3,110.22	4,045.83	3,838.79	207.04	19.541		
10,700.00	7,730.00	7,708.00	7,708.00	74.86	133.56	90.00	-4,088.21	3,110.22	3,946.34	3,739.21	207.13	19.053		
10,800.00	7,730.00	7,708.00	7,708.00	74.74	133.56	90.00	-4,088.21	3,110.22	3,846.87	3,639.65	207.22	18.564		
10,900.00	7,730.00	7,708.00	7,708.00	74.64	133.56	90.00	-4,088.21	3,110.22	3,747.43	3,540.12	207.32	18.076		
11,000.00	7,730.00	7,708.00	7,708.00	74.56	133.56	90.00	-4,088.21	3,110.22	3,648.02	3,440.60	207.42	17.588		
11,100.00	7,730.00	7,708.00	7,708.00	74.51	133.56	90.00	-4,088.21	3,110.22	3,548.65	3,341.12	207.53	17.100		
11,200.00	7,730.00	7,708.00	7,708.00	74.48	133.56	90.00	-4,088.21	3,110.22	3,449.31	3,241.66	207.64	16.612		
11,300.00	7,730.00	7,708.00	7,708.00	74.48	133.56	90.00	-4,088.21	3,110.22	3,350.01	3,142.24	207.77	16.124		
11,400.00	7,730.00	7,708.00	7,708.00	74.50	133.56	90.00	-4,088.21	3,110.22	3,250.75	3,042.85	207.90	15.636		
11,500.00	7,730.00	7,708.00	7,708.00	74.56	133.56	90.00	-4,088.21	3,110.22	3,151.54	2,943.50	208.04	15.149		
11,600.00	7,730.00	7,708.00	7,708.00	74.66	133.56	90.00	-4,088.21	3,110.22	3,052.38	2,844.19	208.19	14.662		
11,700.00	7,730.00	7,708.00	7,708.00	74.79	133.56	90.00	-4,088.21	3,110.22	2,953.28	2,744.93	208.35	14.175		
11,800.00	7,730.00	7,708.00	7,708.00	74.96	133.56	90.00	-4,088.21	3,110.22	2,854.24	2,645.72	208.52	13.688		
11,900.00	7,730.00	7,708.00	7,708.00	75.17	133.56	90.00	-4,088.21	3,110.22	2,755.27	2,546.57	208.70	13.202		
12,000.00	7,730.00	7,708.00	7,708.00	75.43	133.56	90.00	-4,088.21	3,110.22	2,656.37	2,447.48	208.90	12.716		
12,100.00	7,730.00	7,708.00	7,708.00	75.73	133.56	90.00	-4,088.21	3,110.22	2,557.57	2,348.46	209.11	12.231		
12,200.00	7,730.00	7,708.00	7,708.00	76.09	133.56	90.00	-4,088.21	3,110.22	2,458.86	2,249.52	209.34	11.746		
12,300.00	7,730.00	7,708.00	7,708.00	76.51	133.56	90.00	-4,088.21	3,110.22	2,360.25	2,150.67	209.59	11.261		
12,400.00	7,730.00	7,708.00	7,708.00	76.97	133.56	90.00	-4,088.21	3,110.22	2,261.77	2,051.92	209.86	10.778		
12,500.00	7,730.00	7,708.00	7,708.00	77.50	133.56	90.00	-4,088.21	3,110.22	2,163.43	1,953.28	210.15	10.295		
12,600.00	7,730.00	7,708.00	7,708.00	78.09	133.56	90.00	-4,088.21	3,110.22	2,065.25	1,854.78	210.48	9.812		
12,700.00	7,730.00	7,708.00	7,708.00	78.74	133.56	90.00	-4,088.21	3,110.22	1,967.26	1,756.42	210.83	9.331		
12,800.00	7,730.00	7,708.00	7,708.00	79.45	133.56	90.00	-4,088.21	3,110.22	1,869.47	1,658.25	211.22	8.851		
12,900.00	7,730.00	7,708.00	7,708.00	80.22	133.56	90.00	-4,088.21	3,110.22	1,771.93	1,560.27	211.66	8.372		
13,000.00	7,730.00	7,708.00	7,708.00	81.05	133.56	90.00	-4,088.21	3,110.22	1,674.69	1,462.54	212.14	7.894		
13,100.00	7,730.00	7,708.00	7,708.00	81.94	133.56	90.00	-4,088.21	3,110.22	1,577.78	1,365.10	212.68	7.418		
13,200.00	7,730.00	7,708.00	7,708.00	82.87	133.56	90.00	-4,088.21	3,110.22	1,481.29	1,268.00	213.29	6.945		
13,300.00	7,730.00	7,708.00	7,708.00	83.86	133.56	90.00	-4,088.21	3,110.22	1,385.30	1,171.31	213.98	6.474		
13,400.00	7,730.00	7,708.00	7,708.00	84.90	133.56	90.00	-4,088.21	3,110.22	1,289.91	1,075.14	214.77	6.006		
13,500.00	7,730.00	7,708.00	7,708.00	85.97	133.56	90.00	-4,088.21	3,110.22	1,195.28	979.61	215.67	5.542		
13,600.00	7,730.00	7,708.00	7,708.00	87.09	133.56	90.00	-4,088.21	3,110.22	1,101.60	884.90	216.70	5.083		
13,700.00	7,730.00	7,708.00	7,708.00	88.25	133.56	90.00	-4,088.21	3,110.22	1,009.13	791.23	217.90	4.631		
13,800.00	7,730.00	7,708.00	7,708.00	89.44	133.56	90.00	-4,088.21	3,110.22	918.24	698.94	219.30	4.187		
13,900.00	7,730.00	7,708.00	7,708.00	90.66	133.56	90.00	-4,088.21	3,110.22	829.45	608.53	220.92	3.755		
14,000.00	7,730.00	7,708.00	7,708.00	91.92	133.56	90.00	-4,088.21	3,110.22	743.52	520.72	222.80	3.337		
14,100.00	7,730.00	7,708.00	7,708.00	93.20	133.56	90.00	-4,088.21	3,110.22	661.55	436.64	224.91	2.941		
14,200.00	7,730.00	7,708.00	7,708.00	94.50	133.56	90.00	-4,088.21	3,110.22	585.21	358.05	227.16	2.576		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT ALAUX 26-3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,708.00	7,708.00	95.83	133.56	90.00	-4,088.21	3,110.22	517.01	287.75	229.26	2.255		
14,400.00	7,730.00	7,708.00	7,708.00	97.17	133.56	90.00	-4,088.21	3,110.22	460.56	230.04	230.53	1.998		
14,500.00	7,730.00	7,708.00	7,708.00	98.54	133.56	90.00	-4,088.21	3,110.22	420.65	190.82	229.83	1.830		
14,600.00	7,730.00	7,708.00	7,708.00	99.92	133.56	90.00	-4,088.21	3,110.22	402.21	176.13	226.08		1.779 ES, SF	
14,625.88	7,730.00	7,708.00	7,708.00	100.28	133.56	90.00	-4,088.21	3,110.22	401.37	176.78	224.59		1.787 CC	
14,700.00	7,730.00	7,708.00	7,708.00	101.32	133.56	90.00	-4,088.21	3,110.22	408.16	188.71	219.44	1.860		
14,800.00	7,730.00	7,708.00	7,708.00	102.74	133.56	90.00	-4,088.21	3,110.22	437.51	225.69	211.82	2.065		
14,900.00	7,730.00	7,708.00	7,708.00	104.17	133.56	90.00	-4,088.21	3,110.22	486.05	280.76	205.29	2.368		
15,000.00	7,730.00	7,708.00	7,708.00	105.62	133.56	90.00	-4,088.21	3,110.22	548.70	347.96	200.73	2.733		
15,100.00	7,730.00	7,708.00	7,708.00	107.07	133.56	90.00	-4,088.21	3,110.22	621.20	423.22	197.98	3.138		
15,200.00	7,730.00	7,708.00	7,708.00	108.54	133.56	90.00	-4,088.21	3,110.22	700.51	504.01	196.51	3.565		
15,300.00	7,730.00	7,708.00	7,708.00	110.02	133.56	90.00	-4,088.21	3,110.22	784.57	588.73	195.84	4.006		
15,400.00	7,730.00	7,708.00	7,708.00	111.51	133.56	90.00	-4,088.21	3,110.22	871.99	676.35	195.65	4.457		
15,500.00	7,730.00	7,708.00	7,708.00	113.01	133.56	90.00	-4,088.21	3,110.22	961.87	766.15	195.72	4.914		
15,600.00	7,730.00	7,708.00	7,708.00	114.52	133.56	90.00	-4,088.21	3,110.22	1,053.57	857.63	195.94	5.377		
15,700.00	7,730.00	7,708.00	7,708.00	116.04	133.56	90.00	-4,088.21	3,110.22	1,146.67	950.43	196.24	5.843		
15,800.00	7,730.00	7,708.00	7,708.00	117.56	133.56	90.00	-4,088.21	3,110.22	1,240.83	1,044.26	196.57	6.312		
15,900.00	7,730.00	7,708.00	7,708.00	119.09	133.56	90.00	-4,088.21	3,110.22	1,335.85	1,138.94	196.91	6.784		
16,000.00	7,730.00	7,708.00	7,708.00	120.63	133.56	90.00	-4,088.21	3,110.22	1,431.54	1,234.30	197.24	7.258		
16,100.00	7,730.00	7,708.00	7,708.00	122.18	133.56	90.00	-4,088.21	3,110.22	1,527.79	1,330.22	197.57	7.733		
16,200.00	7,730.00	7,708.00	7,708.00	123.73	133.56	90.00	-4,088.21	3,110.22	1,624.49	1,426.61	197.88	8.210		
16,300.00	7,730.00	7,708.00	7,708.00	125.29	133.56	90.00	-4,088.21	3,110.22	1,721.57	1,523.40	198.17	8.687		
16,400.00	7,730.00	7,708.00	7,708.00	126.86	133.56	90.00	-4,088.21	3,110.22	1,818.96	1,620.51	198.45	9.166		
16,500.00	7,730.00	7,708.00	7,708.00	128.43	133.56	90.00	-4,088.21	3,110.22	1,916.62	1,717.91	198.71	9.645		
16,600.00	7,730.00	7,708.00	7,708.00	130.01	133.56	90.00	-4,088.21	3,110.22	2,014.51	1,815.56	198.95	10.125		
16,700.00	7,730.00	7,708.00	7,708.00	131.59	133.56	90.00	-4,088.21	3,110.22	2,112.60	1,913.42	199.19	10.606		
16,800.00	7,730.00	7,708.00	7,708.00	133.18	133.56	90.00	-4,088.21	3,110.22	2,210.86	2,011.46	199.41	11.087		
16,900.00	7,730.00	7,708.00	7,708.00	134.77	133.56	90.00	-4,088.21	3,110.22	2,309.27	2,109.66	199.61	11.569		
17,000.00	7,730.00	7,708.00	7,708.00	136.37	133.56	90.00	-4,088.21	3,110.22	2,407.81	2,208.00	199.81	12.051		
17,100.00	7,730.00	7,708.00	7,708.00	137.97	133.56	90.00	-4,088.21	3,110.22	2,506.47	2,306.48	199.99	12.533		
17,200.00	7,730.00	7,708.00	7,708.00	139.57	133.56	90.00	-4,088.21	3,110.22	2,605.23	2,405.06	200.17	13.015		
17,300.00	7,730.00	7,708.00	7,708.00	141.18	133.56	90.00	-4,088.21	3,110.22	2,704.08	2,503.74	200.34	13.498		
17,400.00	7,730.00	7,708.00	7,708.00	142.79	133.56	90.00	-4,088.21	3,110.22	2,803.01	2,602.51	200.50	13.980		
17,500.00	7,730.00	7,708.00	7,708.00	144.41	133.56	90.00	-4,088.21	3,110.22	2,902.02	2,701.37	200.65	14.463		
17,600.00	7,730.00	7,708.00	7,708.00	146.03	133.56	90.00	-4,088.21	3,110.22	3,001.09	2,800.29	200.80	14.946		
17,700.00	7,730.00	7,708.00	7,708.00	147.65	133.56	90.00	-4,088.21	3,110.22	3,100.22	2,899.28	200.93	15.429		
17,800.00	7,730.00	7,708.00	7,708.00	149.28	133.56	90.00	-4,088.21	3,110.22	3,199.40	2,998.33	201.07	15.912		
17,900.00	7,730.00	7,708.00	7,708.00	150.91	133.56	90.00	-4,088.21	3,110.22	3,298.63	3,097.44	201.20	16.395		
18,000.00	7,730.00	7,708.00	7,708.00	152.54	133.56	90.00	-4,088.21	3,110.22	3,397.91	3,196.59	201.32	16.878		
18,100.00	7,730.00	7,708.00	7,708.00	154.18	133.56	90.00	-4,088.21	3,110.22	3,497.23	3,295.79	201.44	17.361		
18,200.00	7,730.00	7,708.00	7,708.00	155.82	133.56	90.00	-4,088.21	3,110.22	3,596.59	3,395.04	201.55	17.844		
18,300.00	7,730.00	7,708.00	7,708.00	157.46	133.56	90.00	-4,088.21	3,110.22	3,695.98	3,494.32	201.66	18.327		
18,400.00	7,730.00	7,708.00	7,708.00	159.11	133.56	90.00	-4,088.21	3,110.22	3,795.41	3,593.63	201.77	18.810		
18,500.00	7,730.00	7,708.00	7,708.00	160.75	133.56	90.00	-4,088.21	3,110.22	3,894.86	3,692.98	201.88	19.293		
18,600.00	7,730.00	7,708.00	7,708.00	162.40	133.56	90.00	-4,088.21	3,110.22	3,994.34	3,792.36	201.98	19.776		
18,700.00	7,730.00	7,708.00	7,708.00	164.05	133.56	90.00	-4,088.21	3,110.22	4,093.85	3,891.77	202.08	20.259		
18,800.00	7,730.00	7,708.00	7,708.00	165.71	133.56	90.00	-4,088.21	3,110.22	4,193.38	3,991.20	202.17	20.742		
18,900.00	7,730.00	7,708.00	7,708.00	167.36	133.56	90.00	-4,088.21	3,110.22	4,292.93	4,090.66	202.27	21.224		
18,942.39	7,730.00	7,708.00	7,708.00	168.07	133.56	90.00	-4,088.21	3,110.22	4,335.14	4,132.83	202.31	21.429		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT CRANDELL E UNIT 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	145.63	-7,866.59	5,379.43	9,530.06					
100.00	100.00	75.00	75.00	0.13	0.58	145.63	-7,866.59	5,379.43	9,530.03	9,529.32	0.71	N/A		
200.00	200.00	175.00	175.00	0.49	2.08	145.63	-7,866.59	5,379.43	9,530.03	9,527.46	2.57	3,708.412		
300.00	300.00	275.00	275.00	0.85	3.82	145.63	-7,866.59	5,379.43	9,530.03	9,525.36	4.67	2,039.101		
400.00	400.00	375.00	375.00	1.21	5.57	145.63	-7,866.59	5,379.43	9,530.03	9,523.25	6.78	1,406.139		
500.00	500.00	475.00	475.00	1.57	7.31	145.63	-7,866.59	5,379.43	9,530.03	9,521.15	8.88	1,073.051		
600.00	600.00	575.00	575.00	1.93	9.06	145.63	-7,866.59	5,379.43	9,530.03	9,519.05	10.99	867.546		
700.00	700.00	675.00	675.00	2.29	10.80	145.63	-7,866.59	5,379.43	9,530.03	9,516.94	13.09	728.103		
800.00	800.00	775.00	775.00	2.64	12.55	145.63	-7,866.59	5,379.43	9,530.03	9,514.84	15.19	627.279		
900.00	899.98	874.98	874.98	3.00	14.29	86.06	-7,866.59	5,379.43	9,529.91	9,512.62	17.29	551.116		
1,000.00	999.84	974.84	974.84	3.35	16.04	86.10	-7,866.59	5,379.43	9,529.55	9,510.16	19.39	491.520		
1,100.00	1,099.45	1,074.45	1,074.45	3.71	17.78	86.16	-7,866.59	5,379.43	9,528.96	9,507.48	21.49	443.502		
1,200.00	1,198.70	1,173.70	1,173.70	4.08	19.51	86.25	-7,866.59	5,379.43	9,528.15	9,504.56	23.59	403.949		
1,300.00	1,297.47	1,272.47	1,272.47	4.47	21.23	86.36	-7,866.59	5,379.43	9,527.13	9,501.43	25.70	370.760		
1,400.00	1,395.62	1,370.62	1,370.62	4.87	22.94	86.50	-7,866.59	5,379.43	9,525.92	9,498.10	27.82	342.469		
1,500.00	1,493.06	1,468.06	1,468.06	5.31	24.65	86.66	-7,866.59	5,379.43	9,524.54	9,494.59	29.95	318.025		
1,600.00	1,589.64	1,564.64	1,564.64	5.77	26.33	86.84	-7,866.59	5,379.43	9,523.02	9,490.92	32.10	296.661		
1,700.00	1,685.27	1,660.27	1,660.27	6.28	28.00	87.04	-7,866.59	5,379.43	9,521.39	9,487.12	34.27	277.799		
1,800.00	1,779.82	1,754.82	1,754.82	6.83	29.65	87.26	-7,866.59	5,379.43	9,519.68	9,483.21	36.47	261.004		
1,900.00	1,873.17	1,848.17	1,848.17	7.43	31.28	87.50	-7,866.59	5,379.43	9,517.93	9,479.23	38.70	245.937		
2,000.00	1,965.21	1,940.21	1,940.21	8.08	32.89	87.75	-7,866.59	5,379.43	9,516.17	9,475.21	40.96	232.334		
2,100.00	2,055.84	2,030.84	2,030.84	8.79	34.47	88.01	-7,866.59	5,379.43	9,514.44	9,471.19	43.25	219.985		
2,200.00	2,144.94	2,119.94	2,119.94	9.56	36.02	88.29	-7,866.59	5,379.43	9,512.80	9,467.23	45.58	208.723		
2,300.00	2,232.39	2,207.39	2,207.39	10.39	37.55	88.58	-7,866.59	5,379.43	9,511.29	9,463.35	47.94	198.410		
2,400.00	2,318.11	2,306.89	2,293.11	11.30	39.29	88.87	-7,866.59	5,379.43	9,509.95	9,459.37	50.58	188.034		
2,504.60	2,405.78	2,380.78	2,380.78	12.31	40.58	89.18	-7,866.59	5,379.43	9,508.79	9,455.91	52.88	179.813		
2,600.00	2,484.79	2,459.79	2,459.79	13.28	41.95	89.45	-7,866.59	5,379.43	9,508.02	9,452.78	55.23	172.146		
2,700.00	2,567.60	2,542.60	2,542.60	14.32	43.40	89.73	-7,866.59	5,379.43	9,507.53	9,449.81	57.72	164.729		
2,798.06	2,648.81	2,623.81	2,623.81	15.35	44.82	90.00	-7,866.59	5,379.43	9,507.37	9,447.20	60.17	158.016		
2,800.00	2,650.41	2,625.41	2,625.41	15.37	44.84	90.01	-7,866.59	5,379.43	9,507.37	9,447.15	60.22	157.888		
2,900.00	2,733.23	2,708.23	2,708.23	16.44	46.29	90.29	-7,866.59	5,379.43	9,507.54	9,444.81	62.73	151.568		
3,000.00	2,816.04	2,808.96	2,791.04	17.52	48.05	90.56	-7,866.59	5,379.43	9,508.04	9,442.48	65.56	145.021		
3,100.00	2,898.85	2,873.85	2,873.85	18.60	49.18	90.84	-7,866.59	5,379.43	9,508.87	9,441.09	67.78	140.287		
3,200.00	2,981.67	2,956.67	2,956.67	19.69	50.63	91.12	-7,866.59	5,379.43	9,510.04	9,439.72	70.32	135.241		
3,300.00	3,064.48	3,039.48	3,039.48	20.79	52.07	91.40	-7,866.59	5,379.43	9,511.53	9,438.67	72.86	130.542		
3,400.00	3,147.30	3,122.30	3,122.30	21.90	53.52	91.68	-7,866.59	5,379.43	9,513.35	9,437.94	75.41	126.156		
3,500.00	3,230.11	3,205.11	3,205.11	23.00	54.96	91.96	-7,866.59	5,379.43	9,515.51	9,437.54	77.96	122.055		
3,600.00	3,312.92	3,287.92	3,287.92	24.12	56.41	92.24	-7,866.59	5,379.43	9,517.99	9,437.47	80.51	118.214		
3,700.00	3,395.74	3,370.74	3,370.74	25.23	57.85	92.52	-7,866.59	5,379.43	9,520.80	9,437.73	83.07	114.611		
3,800.00	3,478.55	3,453.55	3,453.55	26.35	59.30	92.80	-7,866.59	5,379.43	9,523.94	9,438.31	85.63	111.223		
3,900.00	3,561.36	3,536.36	3,536.36	27.47	60.74	93.08	-7,866.59	5,379.43	9,527.41	9,439.22	88.19	108.035		
4,000.00	3,644.18	3,619.18	3,619.18	28.59	62.19	93.36	-7,866.59	5,379.43	9,531.21	9,440.46	90.75	105.029		
4,100.00	3,726.99	3,701.99	3,701.99	29.72	63.63	93.64	-7,866.59	5,379.43	9,535.33	9,442.02	93.31	102.190		
4,200.00	3,809.81	3,784.81	3,784.81	30.85	65.08	93.92	-7,866.59	5,379.43	9,539.79	9,443.92	95.87	99.507		
4,300.00	3,892.62	3,867.62	3,867.62	31.98	66.53	94.19	-7,866.59	5,379.43	9,544.57	9,446.14	98.43	96.966		
4,400.00	3,975.43	3,950.43	3,950.43	33.11	67.97	94.47	-7,866.59	5,379.43	9,549.68	9,448.68	100.99	94.558		
4,500.00	4,058.25	4,033.25	4,033.25	34.24	69.42	94.75	-7,866.59	5,379.43	9,555.11	9,451.56	103.55	92.273		
4,600.00	4,141.06	4,116.06	4,116.06	35.37	70.86	95.03	-7,866.59	5,379.43	9,560.87	9,454.76	106.11	90.101		
4,700.00	4,223.87	4,201.13	4,198.87	36.50	72.35	95.31	-7,866.59	5,379.43	9,566.95	9,458.24	108.71	88.004		
4,800.00	4,306.69	4,281.69	4,281.69	37.64	73.75	95.58	-7,866.59	5,379.43	9,573.36	9,462.13	111.23	86.070		
4,900.00	4,389.50	4,364.50	4,364.50	38.77	75.20	95.86	-7,866.59	5,379.43	9,580.09	9,466.31	113.78	84.195		
5,000.00	4,472.32	4,447.32	4,447.32	39.91	76.64	96.14	-7,866.59	5,379.43	9,587.15	9,470.81	116.34	82.407		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT CRANDELL E UNIT 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,530.13	4,530.13	41.05	78.09	96.41	-7,866.59	5,379.43	9,594.52	9,475.63	118.89	80.699		
5,200.00	4,637.94	4,612.94	4,612.94	42.18	79.53	96.69	-7,866.59	5,379.43	9,602.22	9,480.78	121.44	79.068		
5,300.00	4,720.76	4,704.24	4,695.76	43.32	81.13	96.96	-7,866.59	5,379.43	9,610.24	9,486.10	124.14	77.414		
5,400.00	4,803.57	4,778.57	4,778.57	44.46	82.42	97.24	-7,866.59	5,379.43	9,618.58	9,492.04	126.54	76.012		
5,500.00	4,886.39	4,861.39	4,861.39	45.60	83.87	97.52	-7,866.59	5,379.43	9,627.24	9,498.16	129.09	74.580		
5,600.00	4,969.20	4,944.20	4,944.20	46.74	85.32	97.79	-7,866.59	5,379.43	9,636.22	9,504.59	131.63	73.208		
5,700.00	5,052.01	5,027.01	5,027.01	47.88	86.76	98.06	-7,866.59	5,379.43	9,645.51	9,511.34	134.17	71.891		
5,800.00	5,134.83	5,109.83	5,109.83	49.02	88.21	98.34	-7,866.59	5,379.43	9,655.12	9,518.42	136.71	70.627		
5,900.00	5,217.64	5,207.36	5,192.64	50.16	89.91	98.61	-7,866.59	5,379.43	9,665.05	9,525.55	139.50	69.284		
6,000.00	5,300.45	5,275.45	5,275.45	51.30	91.10	98.89	-7,866.59	5,379.43	9,675.29	9,533.51	141.77	68.244		
6,100.00	5,383.27	5,358.27	5,358.27	52.45	92.54	99.16	-7,866.59	5,379.43	9,685.84	9,541.54	144.30	67.121		
6,200.00	5,466.08	5,441.08	5,441.08	53.59	93.99	99.43	-7,866.59	5,379.43	9,696.71	9,549.88	146.83	66.040		
6,300.00	5,548.90	5,523.90	5,523.90	54.73	95.43	99.70	-7,866.59	5,379.43	9,707.89	9,558.53	149.36	64.999		
6,400.00	5,631.71	5,606.71	5,606.71	55.87	96.88	99.97	-7,866.59	5,379.43	9,719.38	9,567.50	151.88	63.995		
6,500.00	5,714.52	5,689.52	5,689.52	57.02	98.32	100.25	-7,866.59	5,379.43	9,731.18	9,576.78	154.39	63.028		
6,600.00	5,797.34	5,772.34	5,772.34	58.16	99.77	100.52	-7,866.59	5,379.43	9,743.28	9,586.37	156.91	62.095		
6,700.00	5,880.15	5,855.15	5,855.15	59.30	101.21	100.79	-7,866.59	5,379.43	9,755.70	9,596.28	159.42	61.195		
6,800.00	5,962.96	5,937.96	5,937.96	60.45	102.66	101.06	-7,866.59	5,379.43	9,768.41	9,606.49	161.93	60.326		
6,900.00	6,045.78	6,020.78	6,020.78	61.59	104.11	101.33	-7,866.59	5,379.43	9,781.44	9,617.01	164.43	59.486		
7,000.00	6,128.59	6,103.59	6,103.59	62.73	105.55	101.59	-7,866.59	5,379.43	9,794.77	9,627.83	166.93	58.675		
7,100.00	6,211.41	6,186.41	6,186.41	63.88	107.00	101.86	-7,866.59	5,379.43	9,808.39	9,638.96	169.43	57.891		
7,200.00	6,294.22	6,269.22	6,269.22	65.02	108.44	102.13	-7,866.59	5,379.43	9,822.33	9,650.40	171.92	57.132		
7,300.00	6,377.03	6,352.03	6,352.03	66.17	109.89	102.40	-7,866.59	5,379.43	9,836.56	9,662.14	174.41	56.398		
7,400.00	6,459.85	6,434.85	6,434.85	67.31	111.33	102.66	-7,866.59	5,379.43	9,851.08	9,674.18	176.90	55.688		
7,500.00	6,542.66	6,517.66	6,517.66	68.46	112.78	102.93	-7,866.59	5,379.43	9,865.91	9,686.53	179.38	55.000		
7,600.00	6,625.48	6,600.48	6,600.48	69.60	114.22	103.19	-7,866.59	5,379.43	9,881.03	9,699.17	181.86	54.333		
7,700.00	6,708.29	6,683.29	6,683.29	70.75	115.67	103.46	-7,866.59	5,379.43	9,896.45	9,712.11	184.33	53.688		
7,800.00	6,791.10	6,766.10	6,766.10	71.89	117.11	103.72	-7,866.59	5,379.43	9,912.16	9,725.35	186.80	53.062		
7,900.00	6,873.92	6,848.92	6,848.92	73.04	118.56	103.99	-7,866.59	5,379.43	9,928.16	9,738.89	189.27	52.455		
8,000.00	6,956.73	6,931.73	6,931.73	74.18	120.00	104.25	-7,866.59	5,379.43	9,944.45	9,752.71	191.73	51.866		
8,100.00	7,039.54	7,014.54	7,014.54	75.33	121.45	104.51	-7,866.59	5,379.43	9,961.03	9,766.84	194.19	51.295		
8,165.32	7,093.63	7,068.63	7,068.63	76.08	122.39	104.68	-7,866.59	5,379.43	9,972.01	9,776.22	195.79	50.931		
8,200.00	7,122.60	7,102.40	7,097.60	76.47	122.98	100.05	-7,866.59	5,379.43	9,976.87	9,780.14	196.73	50.713		
8,250.00	7,165.05	7,140.05	7,140.05	77.01	123.64	92.59	-7,866.59	5,379.43	9,980.34	9,782.46	197.88	50.435		
8,300.00	7,208.03	7,183.03	7,183.03	77.52	124.39	84.41	-7,866.59	5,379.43	9,979.60	9,780.48	199.12	50.119		
8,350.00	7,251.22	7,226.22	7,226.22	77.99	125.14	75.87	-7,866.59	5,379.43	9,974.64	9,774.31	200.34	49.789		
8,400.00	7,294.28	7,269.28	7,269.28	78.41	125.90	67.42	-7,866.59	5,379.43	9,965.51	9,763.98	201.53	49.449		
8,450.00	7,336.90	7,311.90	7,311.90	78.78	126.64	59.44	-7,866.59	5,379.43	9,952.26	9,749.57	202.69	49.101		
8,500.00	7,378.73	7,353.73	7,353.73	79.10	127.37	52.16	-7,866.59	5,379.43	9,934.98	9,731.18	203.80	48.749		
8,550.00	7,419.47	7,405.53	7,394.47	79.37	128.27	45.70	-7,866.59	5,379.43	9,913.79	9,708.74	205.05	48.349		
8,600.00	7,458.81	7,433.81	7,433.81	79.59	128.77	40.01	-7,866.59	5,379.43	9,888.86	9,683.01	205.85	48.040		
8,650.00	7,496.44	7,471.44	7,471.44	79.76	129.42	34.98	-7,866.59	5,379.43	9,860.35	9,653.58	206.77	47.687		
8,700.00	7,532.08	7,507.08	7,507.08	79.88	130.05	30.48	-7,866.59	5,379.43	9,828.48	9,620.86	207.62	47.338		
8,750.00	7,565.46	7,540.46	7,540.46	79.95	130.63	26.33	-7,866.59	5,379.43	9,793.48	9,585.08	208.40	46.994		
8,800.00	7,596.33	7,571.33	7,571.33	79.98	131.17	22.36	-7,866.59	5,379.43	9,755.62	9,546.52	209.09	46.657		
8,850.00	7,624.44	7,600.56	7,599.44	79.97	131.68	18.32	-7,866.59	5,379.43	9,715.16	9,505.44	209.72	46.324		
8,900.00	7,649.59	7,624.59	7,624.59	79.93	132.10	13.94	-7,866.59	5,379.43	9,672.42	9,462.20	210.22	46.011		
8,950.00	7,671.59	7,646.59	7,646.59	79.84	132.48	8.74	-7,866.59	5,379.43	9,627.71	9,417.06	210.65	45.704		
9,000.00	7,690.26	7,665.26	7,665.26	79.73	132.81	1.96	-7,866.59	5,379.43	9,581.38	9,370.38	211.00	45.410		
9,050.00	7,705.47	7,680.47	7,680.47	79.59	133.07	-7.82	-7,866.59	5,379.43	9,533.77	9,322.51	211.25	45.130		
9,100.00	7,717.09	7,707.91	7,692.09	79.43	133.55	-23.16	-7,866.59	5,379.43	9,485.24	9,273.55	211.69	44.806		
9,150.00	7,725.04	7,700.04	7,700.04	79.26	133.41	-46.84	-7,866.59	5,379.43	9,436.17	9,224.68	211.50	44.616		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT CRANDELL E UNIT 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,704.27	7,704.27	79.06	133.49	-75.08	-7,866.59	5,379.43	9,386.94	9,175.46	211.49	44.385		
9,231.13	7,730.00	7,705.00	7,705.00	78.93	133.50	-90.00	-7,866.59	5,379.43	9,356.37	9,144.93	211.44	44.251		
9,300.00	7,730.00	7,705.00	7,705.00	78.65	133.50	-90.00	-7,866.59	5,379.43	9,288.92	9,077.62	211.30	43.961		
9,400.00	7,730.00	7,705.00	7,705.00	78.26	133.50	-90.00	-7,866.59	5,379.43	9,191.01	8,979.93	211.09	43.541		
9,500.00	7,730.00	7,705.00	7,705.00	77.89	133.50	-90.00	-7,866.59	5,379.43	9,093.15	8,882.28	210.88	43.121		
9,600.00	7,730.00	7,705.00	7,705.00	77.53	133.50	-90.00	-7,866.59	5,379.43	8,995.34	8,784.68	210.66	42.701		
9,700.00	7,730.00	7,705.00	7,705.00	77.19	133.50	-90.00	-7,866.59	5,379.43	8,897.57	8,687.13	210.44	42.281		
9,800.00	7,730.00	7,705.00	7,705.00	76.88	133.50	-90.00	-7,866.59	5,379.43	8,799.86	8,589.64	210.22	41.860		
9,900.00	7,730.00	7,705.00	7,705.00	76.58	133.50	-90.00	-7,866.59	5,379.43	8,702.19	8,492.20	209.99	41.440		
10,000.00	7,730.00	7,705.00	7,705.00	76.30	133.50	-90.00	-7,866.59	5,379.43	8,604.58	8,394.82	209.76	41.021		
10,100.00	7,730.00	7,705.00	7,705.00	76.04	133.50	-90.00	-7,866.59	5,379.43	8,507.03	8,297.50	209.53	40.601		
10,200.00	7,730.00	7,705.00	7,705.00	75.79	133.50	-90.00	-7,866.59	5,379.43	8,409.53	8,200.24	209.29	40.181		
10,300.00	7,730.00	7,705.00	7,705.00	75.57	133.50	-90.00	-7,866.59	5,379.43	8,312.10	8,103.05	209.05	39.761		
10,400.00	7,730.00	7,705.00	7,705.00	75.36	133.50	-90.00	-7,866.59	5,379.43	8,214.72	8,005.92	208.80	39.342		
10,500.00	7,730.00	7,705.00	7,705.00	75.18	133.50	-90.00	-7,866.59	5,379.43	8,117.41	7,908.85	208.56	38.922		
10,600.00	7,730.00	7,705.00	7,705.00	75.01	133.50	-90.00	-7,866.59	5,379.43	8,020.16	7,811.86	208.30	38.503		
10,700.00	7,730.00	7,705.00	7,705.00	74.86	133.50	-90.00	-7,866.59	5,379.43	7,922.98	7,714.94	208.04	38.083		
10,800.00	7,730.00	7,705.00	7,705.00	74.74	133.50	-90.00	-7,866.59	5,379.43	7,825.88	7,618.10	207.78	37.664		
10,900.00	7,730.00	7,705.00	7,705.00	74.64	133.50	-90.00	-7,866.59	5,379.43	7,728.85	7,521.33	207.52	37.245		
11,000.00	7,730.00	7,705.00	7,705.00	74.56	133.50	-90.00	-7,866.59	5,379.43	7,631.89	7,424.65	207.24	36.825		
11,100.00	7,730.00	7,705.00	7,705.00	74.51	133.50	-90.00	-7,866.59	5,379.43	7,535.01	7,328.04	206.97	36.406		
11,200.00	7,730.00	7,705.00	7,705.00	74.48	133.50	-90.00	-7,866.59	5,379.43	7,438.22	7,231.53	206.69	35.987		
11,300.00	7,730.00	7,705.00	7,705.00	74.48	133.50	-90.00	-7,866.59	5,379.43	7,341.51	7,135.11	206.40	35.568		
11,400.00	7,730.00	7,705.00	7,705.00	74.50	133.50	-90.00	-7,866.59	5,379.43	7,244.89	7,038.78	206.12	35.150		
11,500.00	7,730.00	7,705.00	7,705.00	74.56	133.50	-90.00	-7,866.59	5,379.43	7,148.37	6,942.55	205.82	34.731		
11,600.00	7,730.00	7,705.00	7,705.00	74.66	133.50	-90.00	-7,866.59	5,379.43	7,051.94	6,846.42	205.52	34.312		
11,700.00	7,730.00	7,705.00	7,705.00	74.79	133.50	-90.00	-7,866.59	5,379.43	6,955.61	6,750.39	205.22	33.893		
11,800.00	7,730.00	7,705.00	7,705.00	74.96	133.50	-90.00	-7,866.59	5,379.43	6,859.39	6,654.48	204.91	33.475		
11,900.00	7,730.00	7,705.00	7,705.00	75.17	133.50	-90.00	-7,866.59	5,379.43	6,763.28	6,558.68	204.60	33.056		
12,000.00	7,730.00	7,705.00	7,705.00	75.43	133.50	-90.00	-7,866.59	5,379.43	6,667.28	6,463.00	204.28	32.638		
12,100.00	7,730.00	7,705.00	7,705.00	75.73	133.50	-90.00	-7,866.59	5,379.43	6,571.40	6,367.44	203.96	32.219		
12,200.00	7,730.00	7,705.00	7,705.00	76.09	133.50	-90.00	-7,866.59	5,379.43	6,475.65	6,272.01	203.63	31.800		
12,300.00	7,730.00	7,705.00	7,705.00	76.51	133.50	-90.00	-7,866.59	5,379.43	6,380.02	6,176.72	203.30	31.382		
12,400.00	7,730.00	7,705.00	7,705.00	76.97	133.50	-90.00	-7,866.59	5,379.43	6,284.53	6,081.57	202.97	30.963		
12,500.00	7,730.00	7,705.00	7,705.00	77.50	133.50	-90.00	-7,866.59	5,379.43	6,189.19	5,986.56	202.63	30.544		
12,600.00	7,730.00	7,705.00	7,705.00	78.09	133.50	-90.00	-7,866.59	5,379.43	6,093.99	5,891.71	202.29	30.126		
12,700.00	7,730.00	7,705.00	7,705.00	78.74	133.50	-90.00	-7,866.59	5,379.43	5,998.95	5,797.01	201.94	29.707		
12,800.00	7,730.00	7,705.00	7,705.00	79.45	133.50	-90.00	-7,866.59	5,379.43	5,904.08	5,702.49	201.59	29.287		
12,900.00	7,730.00	7,705.00	7,705.00	80.22	133.50	-90.00	-7,866.59	5,379.43	5,809.37	5,608.13	201.24	28.868		
13,000.00	7,730.00	7,705.00	7,705.00	81.05	133.50	-90.00	-7,866.59	5,379.43	5,714.85	5,513.97	200.88	28.449		
13,100.00	7,730.00	7,705.00	7,705.00	81.94	133.50	-90.00	-7,866.59	5,379.43	5,620.51	5,419.99	200.53	28.029		
13,200.00	7,730.00	7,705.00	7,705.00	82.87	133.50	-90.00	-7,866.59	5,379.43	5,526.38	5,326.21	200.17	27.608		
13,300.00	7,730.00	7,705.00	7,705.00	83.86	133.50	-90.00	-7,866.59	5,379.43	5,432.45	5,232.64	199.81	27.188		
13,400.00	7,730.00	7,705.00	7,705.00	84.90	133.50	-90.00	-7,866.59	5,379.43	5,338.75	5,139.29	199.45	26.767		
13,500.00	7,730.00	7,705.00	7,705.00	85.97	133.50	-90.00	-7,866.59	5,379.43	5,245.28	5,046.18	199.10	26.345		
13,600.00	7,730.00	7,705.00	7,705.00	87.09	133.50	-90.00	-7,866.59	5,379.43	5,152.05	4,953.30	198.75	25.923		
13,700.00	7,730.00	7,705.00	7,705.00	88.25	133.50	-90.00	-7,866.59	5,379.43	5,059.08	4,860.68	198.40	25.499		
13,800.00	7,730.00	7,705.00	7,705.00	89.44	133.50	-90.00	-7,866.59	5,379.43	4,966.39	4,768.33	198.06	25.075		
13,900.00	7,730.00	7,705.00	7,705.00	90.66	133.50	-90.00	-7,866.59	5,379.43	4,873.98	4,676.26	197.72	24.650		
14,000.00	7,730.00	7,705.00	7,705.00	91.92	133.50	-90.00	-7,866.59	5,379.43	4,781.88	4,584.48	197.40	24.224		
14,100.00	7,730.00	7,705.00	7,705.00	93.20	133.50	-90.00	-7,866.59	5,379.43	4,690.10	4,493.01	197.09	23.797		
14,200.00	7,730.00	7,705.00	7,705.00	94.50	133.50	-90.00	-7,866.59	5,379.43	4,598.67	4,401.88	196.79	23.368		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT CRANDELL E UNIT 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,705.00	7,705.00	95.83	133.50	-90.00	-7,866.59	5,379.43	4,507.60	4,311.08	196.51	22.938		
14,400.00	7,730.00	7,705.00	7,705.00	97.17	133.50	-90.00	-7,866.59	5,379.43	4,416.91	4,220.65	196.26	22.506		
14,500.00	7,730.00	7,705.00	7,705.00	98.54	133.50	-90.00	-7,866.59	5,379.43	4,326.64	4,130.61	196.03	22.071		
14,600.00	7,730.00	7,705.00	7,705.00	99.92	133.50	-90.00	-7,866.59	5,379.43	4,236.80	4,040.97	195.83	21.635		
14,700.00	7,730.00	7,705.00	7,705.00	101.32	133.50	-90.00	-7,866.59	5,379.43	4,147.43	3,951.76	195.67	21.196		
14,800.00	7,730.00	7,705.00	7,705.00	102.74	133.50	-90.00	-7,866.59	5,379.43	4,058.55	3,863.00	195.55	20.754		
14,900.00	7,730.00	7,705.00	7,705.00	104.17	133.50	-90.00	-7,866.59	5,379.43	3,970.21	3,774.73	195.48	20.310		
15,000.00	7,730.00	7,705.00	7,705.00	105.62	133.50	-90.00	-7,866.59	5,379.43	3,882.43	3,686.96	195.47	19.862		
15,100.00	7,730.00	7,705.00	7,705.00	107.07	133.50	-90.00	-7,866.59	5,379.43	3,795.25	3,599.73	195.52	19.411		
15,200.00	7,730.00	7,705.00	7,705.00	108.54	133.50	-90.00	-7,866.59	5,379.43	3,708.72	3,513.08	195.64	18.957		
15,300.00	7,730.00	7,705.00	7,705.00	110.02	133.50	-90.00	-7,866.59	5,379.43	3,622.89	3,427.04	195.85	18.498		
15,400.00	7,730.00	7,705.00	7,705.00	111.51	133.50	-90.00	-7,866.59	5,379.43	3,537.79	3,341.64	196.15	18.036		
15,500.00	7,730.00	7,705.00	7,705.00	113.01	133.50	-90.00	-7,866.59	5,379.43	3,453.50	3,256.94	196.56	17.570		
15,600.00	7,730.00	7,705.00	7,705.00	114.52	133.50	-90.00	-7,866.59	5,379.43	3,370.07	3,172.99	197.08	17.100		
15,700.00	7,730.00	7,705.00	7,705.00	116.04	133.50	-90.00	-7,866.59	5,379.43	3,287.56	3,089.82	197.74	16.626		
15,800.00	7,730.00	7,705.00	7,705.00	117.56	133.50	-90.00	-7,866.59	5,379.43	3,206.05	3,007.50	198.54	16.148		
15,900.00	7,730.00	7,705.00	7,705.00	119.09	133.50	-90.00	-7,866.59	5,379.43	3,125.61	2,926.10	199.51	15.667		
16,000.00	7,730.00	7,705.00	7,705.00	120.63	133.50	-90.00	-7,866.59	5,379.43	3,046.33	2,845.69	200.64	15.183		
16,100.00	7,730.00	7,705.00	7,705.00	122.18	133.50	-90.00	-7,866.59	5,379.43	2,968.30	2,766.33	201.97	14.697		
16,200.00	7,730.00	7,705.00	7,705.00	123.73	133.50	-90.00	-7,866.59	5,379.43	2,891.62	2,688.13	203.49	14.210		
16,300.00	7,730.00	7,705.00	7,705.00	125.29	133.50	-90.00	-7,866.59	5,379.43	2,816.41	2,611.18	205.24	13.723		
16,400.00	7,730.00	7,705.00	7,705.00	126.86	133.50	-90.00	-7,866.59	5,379.43	2,742.78	2,535.57	207.21	13.237		
16,500.00	7,730.00	7,705.00	7,705.00	128.43	133.50	-90.00	-7,866.59	5,379.43	2,670.87	2,461.45	209.42	12.753		
16,600.00	7,730.00	7,705.00	7,705.00	130.01	133.50	-90.00	-7,866.59	5,379.43	2,600.82	2,388.93	211.89	12.274		
16,700.00	7,730.00	7,705.00	7,705.00	131.59	133.50	-90.00	-7,866.59	5,379.43	2,532.77	2,318.16	214.61	11.802		
16,800.00	7,730.00	7,705.00	7,705.00	133.18	133.50	-90.00	-7,866.59	5,379.43	2,466.90	2,249.31	217.60	11.337		
16,900.00	7,730.00	7,705.00	7,705.00	134.77	133.50	-90.00	-7,866.59	5,379.43	2,403.39	2,182.55	220.85	10.883		
17,000.00	7,730.00	7,705.00	7,705.00	136.37	133.50	-90.00	-7,866.59	5,379.43	2,342.43	2,118.07	224.36	10.441		
17,100.00	7,730.00	7,705.00	7,705.00	137.97	133.50	-90.00	-7,866.59	5,379.43	2,284.22	2,056.10	228.13	10.013		
17,200.00	7,730.00	7,705.00	7,705.00	139.57	133.50	-90.00	-7,866.59	5,379.43	2,228.98	1,996.84	232.14	9.602		
17,300.00	7,730.00	7,705.00	7,705.00	141.18	133.50	-90.00	-7,866.59	5,379.43	2,176.94	1,940.56	236.38	9.210		
17,400.00	7,730.00	7,705.00	7,705.00	142.79	133.50	-90.00	-7,866.59	5,379.43	2,128.32	1,887.50	240.82	8.838		
17,500.00	7,730.00	7,705.00	7,705.00	144.41	133.50	-90.00	-7,866.59	5,379.43	2,083.37	1,837.94	245.43	8.489		
17,600.00	7,730.00	7,705.00	7,705.00	146.03	133.50	-90.00	-7,866.59	5,379.43	2,042.33	1,792.15	250.18	8.163		
17,700.00	7,730.00	7,705.00	7,705.00	147.65	133.50	-90.00	-7,866.59	5,379.43	2,005.44	1,750.42	255.02	7.864		
17,800.00	7,730.00	7,705.00	7,705.00	149.28	133.50	-90.00	-7,866.59	5,379.43	1,972.94	1,713.03	259.91	7.591		
17,900.00	7,730.00	7,705.00	7,705.00	150.91	133.50	-90.00	-7,866.59	5,379.43	1,945.04	1,680.26	264.78	7.346		
18,000.00	7,730.00	7,705.00	7,705.00	152.54	133.50	-90.00	-7,866.59	5,379.43	1,921.94	1,652.37	269.57	7.130		
18,100.00	7,730.00	7,705.00	7,705.00	154.18	133.50	-90.00	-7,866.59	5,379.43	1,903.83	1,629.59	274.24	6.942		
18,200.00	7,730.00	7,705.00	7,705.00	155.82	133.50	-90.00	-7,866.59	5,379.43	1,890.83	1,612.12	278.71	6.784		
18,300.00	7,730.00	7,705.00	7,705.00	157.46	133.50	-90.00	-7,866.59	5,379.43	1,883.06	1,600.13	282.93	6.655		
18,396.56	7,730.00	7,705.00	7,705.00	159.05	133.50	-90.00	-7,866.59	5,379.43	1,880.59	1,593.86	286.73	6.559 CC		
18,400.00	7,730.00	7,705.00	7,705.00	159.11	133.50	-90.00	-7,866.59	5,379.43	1,880.59	1,593.73	286.86	6.556		
18,500.00	7,730.00	7,705.00	7,705.00	160.75	133.50	-90.00	-7,866.59	5,379.43	1,883.43	1,592.99	290.44	6.485 ES		
18,600.00	7,730.00	7,705.00	7,705.00	162.40	133.50	-90.00	-7,866.59	5,379.43	1,891.56	1,597.91	293.64	6.442		
18,700.00	7,730.00	7,705.00	7,705.00	164.05	133.50	-90.00	-7,866.59	5,379.43	1,904.91	1,608.46	296.45	6.426 SF		
18,800.00	7,730.00	7,705.00	7,705.00	165.71	133.50	-90.00	-7,866.59	5,379.43	1,923.37	1,624.52	298.85	6.436		
18,900.00	7,730.00	7,705.00	7,705.00	167.36	133.50	-90.00	-7,866.59	5,379.43	1,946.81	1,645.96	300.84	6.471		
18,942.39	7,730.00	7,705.00	7,705.00	168.07	133.50	-90.00	-7,866.59	5,379.43	1,958.20	1,656.63	301.57	6.493		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SEARS 22-26 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-IN-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	148.85	-5,431.69	3,282.63	6,346.60					
100.00	100.00	78.00	78.00	0.13	0.59	148.85	-5,431.69	3,282.63	6,346.56	6,345.84	0.73	8,734.388		
200.00	200.00	178.00	178.00	0.49	2.12	148.85	-5,431.69	3,282.63	6,346.56	6,343.95	2.61	2,428.401		
300.00	300.00	278.00	278.00	0.85	3.87	148.85	-5,431.69	3,282.63	6,346.56	6,341.85	4.72	1,345.387		
400.00	400.00	378.00	378.00	1.21	5.61	148.85	-5,431.69	3,282.63	6,346.56	6,339.74	6.82	930.434		
500.00	500.00	478.00	478.00	1.57	7.36	148.85	-5,431.69	3,282.63	6,346.56	6,337.64	8.92	711.109		
600.00	600.00	578.00	578.00	1.93	9.10	148.85	-5,431.69	3,282.63	6,346.56	6,335.53	11.03	575.460		
700.00	700.00	678.00	678.00	2.29	10.85	148.85	-5,431.69	3,282.63	6,346.56	6,333.43	13.13	483.272		
800.00	800.00	778.00	778.00	2.64	12.59	148.85	-5,431.69	3,282.63	6,346.56	6,331.33	15.24	416.543		
900.00	899.98	877.98	877.98	3.00	14.34	89.28	-5,431.69	3,282.63	6,346.54	6,329.21	17.34	366.097		
1,000.00	999.84	977.84	977.84	3.35	16.08	89.33	-5,431.69	3,282.63	6,346.48	6,327.05	19.43	326.604		
1,100.00	1,099.45	1,077.45	1,077.45	3.71	17.82	89.41	-5,431.69	3,282.63	6,346.38	6,324.85	21.53	294.773		
1,200.00	1,198.70	1,176.70	1,176.70	4.08	19.55	89.52	-5,431.69	3,282.63	6,346.27	6,322.64	23.63	268.548		
1,300.00	1,297.47	1,275.47	1,275.47	4.47	21.27	89.66	-5,431.69	3,282.63	6,346.16	6,320.41	25.74	246.539		
1,400.00	1,395.62	1,373.62	1,373.62	4.87	22.99	89.84	-5,431.69	3,282.63	6,346.07	6,318.21	27.86	227.778		
1,483.71	1,477.24	1,455.24	1,455.24	5.24	24.41	90.00	-5,431.69	3,282.63	6,346.04	6,316.40	29.65	214.047		
1,500.00	1,493.06	1,471.06	1,471.06	5.31	24.69	90.03	-5,431.69	3,282.63	6,346.04	6,316.05	30.00	211.570		
1,600.00	1,589.64	1,567.64	1,567.64	5.77	26.37	90.26	-5,431.69	3,282.63	6,346.11	6,313.97	32.15	197.406		
1,700.00	1,685.27	1,663.27	1,663.27	6.28	28.04	90.51	-5,431.69	3,282.63	6,346.32	6,312.00	34.32	184.904		
1,800.00	1,779.82	1,757.82	1,757.82	6.83	29.69	90.78	-5,431.69	3,282.63	6,346.70	6,310.18	36.52	173.777		
1,900.00	1,873.17	1,851.17	1,851.17	7.43	31.32	91.07	-5,431.69	3,282.63	6,347.32	6,308.57	38.75	163.801		
2,000.00	1,965.21	1,943.21	1,943.21	8.08	32.93	91.37	-5,431.69	3,282.63	6,348.23	6,307.22	41.01	154.800		
2,100.00	2,055.84	2,033.84	2,033.84	8.79	34.51	91.69	-5,431.69	3,282.63	6,349.48	6,306.17	43.30	146.637		
2,200.00	2,144.94	2,122.94	2,122.94	9.56	36.07	92.03	-5,431.69	3,282.63	6,351.13	6,305.50	45.63	139.199		
2,300.00	2,232.39	2,210.39	2,210.39	10.39	37.59	92.36	-5,431.69	3,282.63	6,353.25	6,305.27	47.99	132.396		
2,400.00	2,318.11	2,303.89	2,303.89	11.30	39.22	92.71	-5,431.69	3,282.63	6,355.92	6,305.40	50.52	125.816		
2,504.60	2,405.78	2,383.78	2,383.78	12.31	40.62	93.07	-5,431.69	3,282.63	6,359.35	6,306.42	52.92	120.159		
2,600.00	2,484.79	2,462.79	2,462.79	13.28	42.00	93.47	-5,431.69	3,282.63	6,363.03	6,307.76	55.27	115.126		
2,700.00	2,567.60	2,545.60	2,545.60	14.32	43.44	93.89	-5,431.69	3,282.63	6,367.37	6,309.62	57.75	110.264		
2,800.00	2,650.41	2,628.41	2,628.41	15.37	44.89	94.30	-5,431.69	3,282.63	6,372.20	6,311.96	60.24	105.785		
2,900.00	2,733.23	2,711.23	2,711.23	16.44	46.33	94.72	-5,431.69	3,282.63	6,377.51	6,314.77	62.74	101.652		
3,000.00	2,816.04	2,805.96	2,794.04	17.52	47.99	95.14	-5,431.69	3,282.63	6,383.32	6,317.86	65.46	97.520		
3,100.00	2,898.85	2,876.85	2,876.85	18.60	49.22	95.55	-5,431.69	3,282.63	6,389.61	6,321.85	67.76	94.292		
3,200.00	2,981.67	2,959.67	2,959.67	19.69	50.67	95.97	-5,431.69	3,282.63	6,396.39	6,326.10	70.28	91.007		
3,300.00	3,064.48	3,042.48	3,042.48	20.79	52.12	96.38	-5,431.69	3,282.63	6,403.65	6,330.84	72.81	87.952		
3,400.00	3,147.30	3,125.30	3,125.30	21.90	53.56	96.79	-5,431.69	3,282.63	6,411.39	6,336.06	75.33	85.106		
3,500.00	3,230.11	3,208.11	3,208.11	23.00	55.01	97.21	-5,431.69	3,282.63	6,419.61	6,341.75	77.86	82.450		
3,600.00	3,312.92	3,309.08	3,290.92	24.12	56.77	97.62	-5,431.69	3,282.63	6,428.31	6,347.61	80.70	79.653		
3,700.00	3,395.74	3,373.74	3,373.74	25.23	57.90	98.03	-5,431.69	3,282.63	6,437.49	6,354.57	82.91	77.641		
3,800.00	3,478.55	3,456.55	3,456.55	26.35	59.34	98.44	-5,431.69	3,282.63	6,447.14	6,361.70	85.44	75.459		
3,900.00	3,561.36	3,539.36	3,539.36	27.47	60.79	98.85	-5,431.69	3,282.63	6,457.26	6,369.30	87.96	73.409		
4,000.00	3,644.18	3,622.18	3,622.18	28.59	62.23	99.26	-5,431.69	3,282.63	6,467.86	6,377.37	90.49	71.480		
4,100.00	3,726.99	3,704.99	3,704.99	29.72	63.68	99.67	-5,431.69	3,282.63	6,478.92	6,385.91	93.00	69.662		
4,200.00	3,809.81	3,787.81	3,787.81	30.85	65.12	100.07	-5,431.69	3,282.63	6,490.44	6,394.92	95.52	67.948		
4,300.00	3,892.62	3,870.62	3,870.62	31.98	66.57	100.48	-5,431.69	3,282.63	6,502.43	6,404.40	98.03	66.328		
4,400.00	3,975.43	3,953.43	3,953.43	33.11	68.01	100.88	-5,431.69	3,282.63	6,514.88	6,414.34	100.54	64.796		
4,500.00	4,058.25	4,036.25	4,036.25	34.24	69.46	101.29	-5,431.69	3,282.63	6,527.79	6,424.74	103.05	63.345		
4,600.00	4,141.06	4,119.06	4,119.06	35.37	70.91	101.69	-5,431.69	3,282.63	6,541.15	6,435.59	105.55	61.970		
4,700.00	4,223.87	4,201.87	4,201.87	36.50	72.35	102.09	-5,431.69	3,282.63	6,554.96	6,446.91	108.05	60.665		
4,800.00	4,306.69	4,284.69	4,284.69	37.64	73.80	102.49	-5,431.69	3,282.63	6,569.22	6,458.68	110.54	59.426		
4,900.00	4,389.50	4,367.50	4,367.50	38.77	75.24	102.89	-5,431.69	3,282.63	6,583.93	6,470.90	113.03	58.248		
5,000.00	4,472.32	4,450.32	4,450.32	39.91	76.69	103.29	-5,431.69	3,282.63	6,599.09	6,483.57	115.52	57.127		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SEARS 22-26 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,533.13	4,533.13	41.05	78.13	103.69	-5,431.69	3,282.63	6,614.68	6,496.68	118.00	56.059		
5,200.00	4,637.94	4,615.94	4,615.94	42.18	79.58	104.08	-5,431.69	3,282.63	6,630.71	6,510.24	120.47	55.041		
5,300.00	4,720.76	4,701.24	4,698.76	43.32	81.07	104.47	-5,431.69	3,282.63	6,647.17	6,524.19	122.98	54.051		
5,400.00	4,803.57	4,781.57	4,781.57	44.46	82.47	104.87	-5,431.69	3,282.63	6,664.07	6,538.67	125.40	53.143		
5,500.00	4,886.39	4,864.39	4,864.39	45.60	83.91	105.26	-5,431.69	3,282.63	6,681.39	6,553.53	127.86	52.257		
5,600.00	4,969.20	4,947.20	4,947.20	46.74	85.36	105.65	-5,431.69	3,282.63	6,699.14	6,568.83	130.31	51.411		
5,700.00	5,052.01	5,030.01	5,030.01	47.88	86.80	106.03	-5,431.69	3,282.63	6,717.30	6,584.55	132.75	50.601		
5,800.00	5,134.83	5,112.83	5,112.83	49.02	88.25	106.42	-5,431.69	3,282.63	6,735.89	6,600.70	135.19	49.825		
5,900.00	5,217.64	5,204.36	5,195.64	50.16	89.85	106.81	-5,431.69	3,282.63	6,754.89	6,617.11	137.78	49.028		
6,000.00	5,300.45	5,278.45	5,278.45	51.30	91.14	107.19	-5,431.69	3,282.63	6,774.30	6,634.25	140.05	48.371		
6,100.00	5,383.27	5,361.27	5,361.27	52.45	92.59	107.57	-5,431.69	3,282.63	6,794.11	6,651.64	142.47	47.688		
6,200.00	5,466.08	5,444.08	5,444.08	53.59	94.03	107.95	-5,431.69	3,282.63	6,814.33	6,669.45	144.88	47.033		
6,300.00	5,548.90	5,526.90	5,526.90	54.73	95.48	108.33	-5,431.69	3,282.63	6,834.95	6,687.66	147.29	46.405		
6,400.00	5,631.71	5,609.71	5,609.71	55.87	96.92	108.71	-5,431.69	3,282.63	6,855.97	6,706.28	149.69	45.801		
6,500.00	5,714.52	5,702.48	5,692.52	57.02	98.63	109.08	-5,431.69	3,282.63	6,877.38	6,725.03	152.35	45.143		
6,600.00	5,797.34	5,775.34	5,775.34	58.16	99.81	109.45	-5,431.69	3,282.63	6,899.17	6,744.70	154.47	44.663		
6,700.00	5,880.15	5,858.15	5,858.15	59.30	101.26	109.83	-5,431.69	3,282.63	6,921.36	6,764.50	156.85	44.126		
6,800.00	5,962.96	5,940.96	5,940.96	60.45	102.70	110.20	-5,431.69	3,282.63	6,943.92	6,784.69	159.23	43.610		
6,900.00	6,045.78	6,023.78	6,023.78	61.59	104.15	110.56	-5,431.69	3,282.63	6,966.86	6,805.27	161.59	43.113		
7,000.00	6,128.59	6,106.59	6,106.59	62.73	105.59	110.93	-5,431.69	3,282.63	6,990.18	6,826.22	163.95	42.635		
7,100.00	6,211.41	6,189.41	6,189.41	63.88	107.04	111.30	-5,431.69	3,282.63	7,013.87	6,847.56	166.31	42.174		
7,200.00	6,294.22	6,272.22	6,272.22	65.02	108.48	111.66	-5,431.69	3,282.63	7,037.92	6,869.26	168.66	41.730		
7,300.00	6,377.03	6,355.03	6,355.03	66.17	109.93	112.02	-5,431.69	3,282.63	7,062.34	6,891.34	171.00	41.301		
7,400.00	6,459.85	6,437.85	6,437.85	67.31	111.38	112.38	-5,431.69	3,282.63	7,087.11	6,913.78	173.33	40.888		
7,500.00	6,542.66	6,520.66	6,520.66	68.46	112.82	112.74	-5,431.69	3,282.63	7,112.24	6,936.59	175.65	40.490		
7,600.00	6,625.48	6,603.48	6,603.48	69.60	114.27	113.09	-5,431.69	3,282.63	7,137.73	6,959.75	177.97	40.105		
7,700.00	6,708.29	6,686.29	6,686.29	70.75	115.71	113.45	-5,431.69	3,282.63	7,163.56	6,983.27	180.29	39.734		
7,800.00	6,791.10	6,769.10	6,769.10	71.89	117.16	113.80	-5,431.69	3,282.63	7,189.73	7,007.14	182.59	39.376		
7,900.00	6,873.92	6,851.92	6,851.92	73.04	118.60	114.15	-5,431.69	3,282.63	7,216.25	7,031.36	184.89	39.029		
8,000.00	6,956.73	6,934.73	6,934.73	74.18	120.05	114.50	-5,431.69	3,282.63	7,243.10	7,055.92	187.18	38.695		
8,100.00	7,039.54	7,017.54	7,017.54	75.33	121.49	114.84	-5,431.69	3,282.63	7,270.29	7,080.82	189.47	38.372		
8,165.32	7,093.63	7,071.63	7,071.63	76.08	122.44	115.07	-5,431.69	3,282.63	7,288.22	7,097.26	190.96	38.166		
8,200.00	7,122.60	7,100.60	7,100.60	76.47	122.94	110.38	-5,431.69	3,282.63	7,296.79	7,105.03	191.75	38.053		
8,250.00	7,165.05	7,143.05	7,143.05	77.01	123.68	102.90	-5,431.69	3,282.63	7,305.60	7,112.68	192.92	37.869		
8,300.00	7,208.03	7,186.03	7,186.03	77.52	124.43	94.79	-5,431.69	3,282.63	7,310.17	7,116.08	194.09	37.664		
8,350.00	7,251.22	7,229.22	7,229.22	77.99	125.19	86.40	-5,431.69	3,282.63	7,310.47	7,115.21	195.26	37.440		
8,400.00	7,294.28	7,272.28	7,272.28	78.41	125.94	78.17	-5,431.69	3,282.63	7,306.51	7,110.09	196.42	37.199		
8,450.00	7,336.90	7,314.90	7,314.90	78.78	126.68	70.50	-5,431.69	3,282.63	7,298.30	7,100.75	197.55	36.944		
8,500.00	7,378.73	7,356.73	7,356.73	79.10	127.41	63.64	-5,431.69	3,282.63	7,285.90	7,087.26	198.65	36.678		
8,550.00	7,419.47	7,402.53	7,397.47	79.37	128.21	57.70	-5,431.69	3,282.63	7,269.41	7,069.62	199.79	36.385		
8,600.00	7,458.81	7,436.81	7,436.81	79.59	128.81	52.69	-5,431.69	3,282.63	7,248.95	7,048.24	200.71	36.117		
8,650.00	7,496.44	7,474.44	7,474.44	79.76	129.47	48.51	-5,431.69	3,282.63	7,224.66	7,023.00	201.66	35.826		
8,700.00	7,532.08	7,510.08	7,510.08	79.88	130.09	45.08	-5,431.69	3,282.63	7,196.72	6,994.17	202.55	35.531		
8,750.00	7,565.46	7,543.46	7,543.46	79.95	130.67	42.29	-5,431.69	3,282.63	7,165.33	6,961.96	203.37	35.234		
8,800.00	7,596.33	7,574.33	7,574.33	79.98	131.21	40.06	-5,431.69	3,282.63	7,130.72	6,926.60	204.11	34.935		
8,850.00	7,624.44	7,602.44	7,602.44	79.97	131.70	38.33	-5,431.69	3,282.63	7,093.14	6,888.35	204.79	34.637		
8,900.00	7,649.59	7,627.59	7,627.59	79.93	132.14	37.06	-5,431.69	3,282.63	7,052.87	6,847.49	205.38	34.341		
8,950.00	7,671.59	7,649.59	7,649.59	79.84	132.52	36.23	-5,431.69	3,282.63	7,010.20	6,804.30	205.89	34.048		
9,000.00	7,690.26	7,668.26	7,668.26	79.73	132.85	35.87	-5,431.69	3,282.63	6,965.45	6,759.12	206.33	33.759		
9,050.00	7,705.47	7,683.47	7,683.47	79.59	133.12	36.12	-5,431.69	3,282.63	6,918.95	6,712.27	206.67	33.478		
9,100.00	7,717.09	7,704.91	7,695.09	79.43	133.49	37.31	-5,431.69	3,282.63	6,871.04	6,663.93	207.11	33.176		
9,150.00	7,725.04	7,703.04	7,703.04	79.26	133.46	40.59	-5,431.69	3,282.63	6,822.09	6,614.96	207.12	32.937		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SEARS 22-26 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	7,707.27	7,707.27	79.06	133.53	52.21	-5,431.69	3,282.63	6,772.45	6,565.23	207.22	32.682		
9,231.13	7,730.00	7,708.00	7,708.00	78.93	133.54	90.00	-5,431.69	3,282.63	6,741.36	6,534.12	207.25	32.528		
9,300.00	7,730.00	7,708.00	7,708.00	78.65	133.54	90.00	-5,431.69	3,282.63	6,672.53	6,465.27	207.26	32.194		
9,400.00	7,730.00	7,708.00	7,708.00	78.26	133.54	90.00	-5,431.69	3,282.63	6,572.59	6,365.31	207.28	31.708		
9,500.00	7,730.00	7,708.00	7,708.00	77.89	133.54	90.00	-5,431.69	3,282.63	6,472.65	6,265.35	207.31	31.223		
9,600.00	7,730.00	7,708.00	7,708.00	77.53	133.54	90.00	-5,431.69	3,282.63	6,372.71	6,165.38	207.33	30.737		
9,700.00	7,730.00	7,708.00	7,708.00	77.19	133.54	90.00	-5,431.69	3,282.63	6,272.77	6,065.42	207.36	30.251		
9,800.00	7,730.00	7,708.00	7,708.00	76.88	133.54	90.00	-5,431.69	3,282.63	6,172.84	5,965.46	207.38	29.766		
9,900.00	7,730.00	7,708.00	7,708.00	76.58	133.54	90.00	-5,431.69	3,282.63	6,072.91	5,865.50	207.41	29.280		
10,000.00	7,730.00	7,708.00	7,708.00	76.30	133.54	90.00	-5,431.69	3,282.63	5,972.98	5,765.54	207.44	28.794		
10,100.00	7,730.00	7,708.00	7,708.00	76.04	133.54	90.00	-5,431.69	3,282.63	5,873.05	5,665.58	207.47	28.308		
10,200.00	7,730.00	7,708.00	7,708.00	75.79	133.54	90.00	-5,431.69	3,282.63	5,773.12	5,565.62	207.50	27.822		
10,300.00	7,730.00	7,708.00	7,708.00	75.57	133.54	90.00	-5,431.69	3,282.63	5,673.20	5,465.66	207.54	27.336		
10,400.00	7,730.00	7,708.00	7,708.00	75.36	133.54	90.00	-5,431.69	3,282.63	5,573.28	5,365.70	207.57	26.849		
10,500.00	7,730.00	7,708.00	7,708.00	75.18	133.54	90.00	-5,431.69	3,282.63	5,473.36	5,265.75	207.61	26.363		
10,600.00	7,730.00	7,708.00	7,708.00	75.01	133.54	90.00	-5,431.69	3,282.63	5,373.45	5,165.80	207.65	25.877		
10,700.00	7,730.00	7,708.00	7,708.00	74.86	133.54	90.00	-5,431.69	3,282.63	5,273.54	5,065.84	207.69	25.391		
10,800.00	7,730.00	7,708.00	7,708.00	74.74	133.54	90.00	-5,431.69	3,282.63	5,173.63	4,965.89	207.74	24.905		
10,900.00	7,730.00	7,708.00	7,708.00	74.64	133.54	90.00	-5,431.69	3,282.63	5,073.72	4,865.94	207.78	24.418		
11,000.00	7,730.00	7,708.00	7,708.00	74.56	133.54	90.00	-5,431.69	3,282.63	4,973.82	4,765.99	207.83	23.932		
11,100.00	7,730.00	7,708.00	7,708.00	74.51	133.54	90.00	-5,431.69	3,282.63	4,873.93	4,666.05	207.88	23.446		
11,200.00	7,730.00	7,708.00	7,708.00	74.48	133.54	90.00	-5,431.69	3,282.63	4,774.04	4,566.10	207.93	22.960		
11,300.00	7,730.00	7,708.00	7,708.00	74.48	133.54	90.00	-5,431.69	3,282.63	4,674.15	4,466.16	207.99	22.473		
11,400.00	7,730.00	7,708.00	7,708.00	74.50	133.54	90.00	-5,431.69	3,282.63	4,574.27	4,366.22	208.04	21.987		
11,500.00	7,730.00	7,708.00	7,708.00	74.56	133.54	90.00	-5,431.69	3,282.63	4,474.39	4,266.29	208.10	21.501		
11,600.00	7,730.00	7,708.00	7,708.00	74.66	133.54	90.00	-5,431.69	3,282.63	4,374.52	4,166.35	208.17	21.014		
11,700.00	7,730.00	7,708.00	7,708.00	74.79	133.54	90.00	-5,431.69	3,282.63	4,274.65	4,066.42	208.23	20.528		
11,800.00	7,730.00	7,708.00	7,708.00	74.96	133.54	90.00	-5,431.69	3,282.63	4,174.79	3,966.49	208.30	20.042		
11,900.00	7,730.00	7,708.00	7,708.00	75.17	133.54	90.00	-5,431.69	3,282.63	4,074.94	3,866.56	208.38	19.555		
12,000.00	7,730.00	7,708.00	7,708.00	75.43	133.54	90.00	-5,431.69	3,282.63	3,975.10	3,766.64	208.46	19.069		
12,100.00	7,730.00	7,708.00	7,708.00	75.73	133.54	90.00	-5,431.69	3,282.63	3,875.26	3,666.72	208.54	18.583		
12,200.00	7,730.00	7,708.00	7,708.00	76.09	133.54	90.00	-5,431.69	3,282.63	3,775.43	3,566.81	208.62	18.097		
12,300.00	7,730.00	7,708.00	7,708.00	76.51	133.54	90.00	-5,431.69	3,282.63	3,675.62	3,466.90	208.72	17.611		
12,400.00	7,730.00	7,708.00	7,708.00	76.97	133.54	90.00	-5,431.69	3,282.63	3,575.81	3,367.00	208.81	17.125		
12,500.00	7,730.00	7,708.00	7,708.00	77.50	133.54	90.00	-5,431.69	3,282.63	3,476.01	3,267.10	208.91	16.639		
12,600.00	7,730.00	7,708.00	7,708.00	78.09	133.54	90.00	-5,431.69	3,282.63	3,376.23	3,167.20	209.02	16.153		
12,700.00	7,730.00	7,708.00	7,708.00	78.74	133.54	90.00	-5,431.69	3,282.63	3,276.45	3,067.32	209.14	15.667		
12,800.00	7,730.00	7,708.00	7,708.00	79.45	133.54	90.00	-5,431.69	3,282.63	3,176.70	2,967.44	209.26	15.181		
12,900.00	7,730.00	7,708.00	7,708.00	80.22	133.54	90.00	-5,431.69	3,282.63	3,076.95	2,867.57	209.39	14.695		
13,000.00	7,730.00	7,708.00	7,708.00	81.05	133.54	90.00	-5,431.69	3,282.63	2,977.23	2,767.70	209.53	14.209		
13,100.00	7,730.00	7,708.00	7,708.00	81.94	133.54	90.00	-5,431.69	3,282.63	2,877.52	2,667.85	209.68	13.724		
13,200.00	7,730.00	7,708.00	7,708.00	82.87	133.54	90.00	-5,431.69	3,282.63	2,777.84	2,568.00	209.83	13.238		
13,300.00	7,730.00	7,708.00	7,708.00	83.86	133.54	90.00	-5,431.69	3,282.63	2,678.18	2,468.17	210.01	12.753		
13,400.00	7,730.00	7,708.00	7,708.00	84.90	133.54	90.00	-5,431.69	3,282.63	2,578.54	2,368.35	210.19	12.268		
13,500.00	7,730.00	7,708.00	7,708.00	85.97	133.54	90.00	-5,431.69	3,282.63	2,478.94	2,268.55	210.39	11.783		
13,600.00	7,730.00	7,708.00	7,708.00	87.09	133.54	90.00	-5,431.69	3,282.63	2,379.37	2,168.76	210.60	11.298		
13,700.00	7,730.00	7,708.00	7,708.00	88.25	133.54	90.00	-5,431.69	3,282.63	2,279.83	2,068.99	210.84	10.813		
13,800.00	7,730.00	7,708.00	7,708.00	89.44	133.54	90.00	-5,431.69	3,282.63	2,180.34	1,969.25	211.09	10.329		
13,900.00	7,730.00	7,708.00	7,708.00	90.66	133.54	90.00	-5,431.69	3,282.63	2,080.90	1,869.52	211.37	9.845		
14,000.00	7,730.00	7,708.00	7,708.00	91.92	133.54	90.00	-5,431.69	3,282.63	1,981.51	1,769.83	211.68	9.361		
14,100.00	7,730.00	7,708.00	7,708.00	93.20	133.54	90.00	-5,431.69	3,282.63	1,882.19	1,670.16	212.02	8.877		
14,200.00	7,730.00	7,708.00	7,708.00	94.50	133.54	90.00	-5,431.69	3,282.63	1,782.94	1,570.54	212.40	8.394		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SEARS 22-26 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	7,708.00	7,708.00	95.83	133.54	90.00	-5,431.69	3,282.63	1,683.78	1,470.95	212.83	7.911		
14,400.00	7,730.00	7,708.00	7,708.00	97.17	133.54	90.00	-5,431.69	3,282.63	1,584.73	1,371.42	213.31	7.429		
14,500.00	7,730.00	7,708.00	7,708.00	98.54	133.54	90.00	-5,431.69	3,282.63	1,485.81	1,271.96	213.85	6.948		
14,600.00	7,730.00	7,708.00	7,708.00	99.92	133.54	90.00	-5,431.69	3,282.63	1,387.04	1,172.56	214.47	6.467		
14,700.00	7,730.00	7,708.00	7,708.00	101.32	133.54	90.00	-5,431.69	3,282.63	1,288.45	1,073.27	215.19	5.988		
14,800.00	7,730.00	7,708.00	7,708.00	102.74	133.54	90.00	-5,431.69	3,282.63	1,190.11	974.09	216.02	5.509		
14,900.00	7,730.00	7,708.00	7,708.00	104.17	133.54	90.00	-5,431.69	3,282.63	1,092.07	875.05	217.01	5.032		
15,000.00	7,730.00	7,708.00	7,708.00	105.62	133.54	90.00	-5,431.69	3,282.63	994.41	776.22	218.20	4.557		
15,100.00	7,730.00	7,708.00	7,708.00	107.07	133.54	90.00	-5,431.69	3,282.63	897.28	677.64	219.64	4.085		
15,200.00	7,730.00	7,708.00	7,708.00	108.54	133.54	90.00	-5,431.69	3,282.63	800.85	579.43	221.42	3.617		
15,300.00	7,730.00	7,708.00	7,708.00	110.02	133.54	90.00	-5,431.69	3,282.63	705.41	481.74	223.67	3.154		
15,400.00	7,730.00	7,708.00	7,708.00	111.51	133.54	90.00	-5,431.69	3,282.63	611.44	384.86	226.57	2.699		
15,500.00	7,730.00	7,708.00	7,708.00	113.01	133.54	90.00	-5,431.69	3,282.63	519.71	289.32	230.39	2.256		
15,600.00	7,730.00	7,708.00	7,708.00	114.52	133.54	90.00	-5,431.69	3,282.63	431.68	196.21	235.47	1.833		
15,700.00	7,730.00	7,708.00	7,708.00	116.04	133.54	90.00	-5,431.69	3,282.63	350.14	108.10	242.04	1.447	Level 3	
15,800.00	7,730.00	7,708.00	7,708.00	117.56	133.54	90.00	-5,431.69	3,282.63	280.80	31.57	249.23	1.127	Level 2	
15,900.00	7,730.00	7,708.00	7,708.00	119.09	133.54	90.00	-5,431.69	3,282.63	234.73	-17.20	251.93	0.932	Level 1	
15,968.76	7,730.00	7,708.00	7,708.00	120.15	133.54	90.00	-5,431.69	3,282.63	224.43	-21.71	246.14	0.912	Level 1, CC, ES, SF	
16,000.00	7,730.00	7,708.00	7,708.00	120.63	133.54	90.00	-5,431.69	3,282.63	226.59	-14.54	241.13	0.940	Level 1	
16,100.00	7,730.00	7,708.00	7,708.00	122.18	133.54	90.00	-5,431.69	3,282.63	259.99	38.58	221.41	1.174	Level 2	
16,200.00	7,730.00	7,708.00	7,708.00	123.73	133.54	90.00	-5,431.69	3,282.63	322.24	115.60	206.64	1.559		
16,300.00	7,730.00	7,708.00	7,708.00	125.29	133.54	90.00	-5,431.69	3,282.63	400.11	200.75	199.36	2.007		
16,400.00	7,730.00	7,708.00	7,708.00	126.86	133.54	90.00	-5,431.69	3,282.63	486.15	289.60	196.55	2.473		
16,500.00	7,730.00	7,708.00	7,708.00	128.43	133.54	90.00	-5,431.69	3,282.63	576.70	380.91	195.79	2.945		
16,600.00	7,730.00	7,708.00	7,708.00	130.01	133.54	90.00	-5,431.69	3,282.63	669.95	474.04	195.91	3.420		
16,700.00	7,730.00	7,708.00	7,708.00	131.59	133.54	90.00	-5,431.69	3,282.63	764.91	568.54	196.37	3.895		
16,800.00	7,730.00	7,708.00	7,708.00	133.18	133.54	90.00	-5,431.69	3,282.63	861.01	664.07	196.94	4.372		
16,900.00	7,730.00	7,708.00	7,708.00	134.77	133.54	90.00	-5,431.69	3,282.63	957.90	760.38	197.53	4.849		
17,000.00	7,730.00	7,708.00	7,708.00	136.37	133.54	90.00	-5,431.69	3,282.63	1,055.38	857.29	198.09	5.328		
17,100.00	7,730.00	7,708.00	7,708.00	137.97	133.54	90.00	-5,431.69	3,282.63	1,153.29	954.67	198.62	5.807		
17,200.00	7,730.00	7,708.00	7,708.00	139.57	133.54	90.00	-5,431.69	3,282.63	1,251.53	1,052.43	199.10	6.286		
17,300.00	7,730.00	7,708.00	7,708.00	141.18	133.54	90.00	-5,431.69	3,282.63	1,350.03	1,150.48	199.54	6.766		
17,400.00	7,730.00	7,708.00	7,708.00	142.79	133.54	90.00	-5,431.69	3,282.63	1,448.73	1,248.78	199.95	7.246		
17,500.00	7,730.00	7,708.00	7,708.00	144.41	133.54	90.00	-5,431.69	3,282.63	1,547.60	1,347.29	200.32	7.726		
17,600.00	7,730.00	7,708.00	7,708.00	146.03	133.54	90.00	-5,431.69	3,282.63	1,646.61	1,445.96	200.65	8.206		
17,700.00	7,730.00	7,708.00	7,708.00	147.65	133.54	90.00	-5,431.69	3,282.63	1,745.73	1,544.77	200.96	8.687		
17,800.00	7,730.00	7,708.00	7,708.00	149.28	133.54	90.00	-5,431.69	3,282.63	1,844.94	1,643.70	201.25	9.168		
17,900.00	7,730.00	7,708.00	7,708.00	150.91	133.54	90.00	-5,431.69	3,282.63	1,944.24	1,742.73	201.51	9.648		
18,000.00	7,730.00	7,708.00	7,708.00	152.54	133.54	90.00	-5,431.69	3,282.63	2,043.60	1,841.85	201.76	10.129		
18,100.00	7,730.00	7,708.00	7,708.00	154.18	133.54	90.00	-5,431.69	3,282.63	2,143.03	1,941.04	201.99	10.610		
18,200.00	7,730.00	7,708.00	7,708.00	155.82	133.54	90.00	-5,431.69	3,282.63	2,242.50	2,040.30	202.20	11.091		
18,300.00	7,730.00	7,708.00	7,708.00	157.46	133.54	90.00	-5,431.69	3,282.63	2,342.02	2,139.62	202.40	11.571		
18,400.00	7,730.00	7,708.00	7,708.00	159.11	133.54	90.00	-5,431.69	3,282.63	2,441.58	2,238.99	202.59	12.052		
18,500.00	7,730.00	7,708.00	7,708.00	160.75	133.54	90.00	-5,431.69	3,282.63	2,541.17	2,338.41	202.76	12.533		
18,600.00	7,730.00	7,708.00	7,708.00	162.40	133.54	90.00	-5,431.69	3,282.63	2,640.80	2,437.87	202.93	13.013		
18,700.00	7,730.00	7,708.00	7,708.00	164.05	133.54	90.00	-5,431.69	3,282.63	2,740.45	2,537.36	203.09	13.494		
18,800.00	7,730.00	7,708.00	7,708.00	165.71	133.54	90.00	-5,431.69	3,282.63	2,840.12	2,636.88	203.24	13.974		
18,900.00	7,730.00	7,708.00	7,708.00	167.36	133.54	90.00	-5,431.69	3,282.63	2,939.82	2,736.44	203.38	14.455		
18,942.39	7,730.00	7,708.00	7,708.00	168.07	133.54	90.00	-5,431.69	3,282.63	2,982.09	2,778.65	203.44	14.658		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	134.26	-5,559.47	5,704.09	7,965.29					
100.00	100.00	61.00	61.00	0.13	0.51	134.26	-5,559.47	5,704.09	7,965.20	7,964.56	0.64	N/A		
200.00	200.00	161.00	161.00	0.49	1.89	134.26	-5,559.47	5,704.09	7,965.20	7,962.81	2.39	3,337.492		
300.00	300.00	261.00	261.00	0.85	3.64	134.26	-5,559.47	5,704.09	7,965.20	7,960.71	4.49	1,773.835		
400.00	400.00	361.00	361.00	1.21	5.38	134.26	-5,559.47	5,704.09	7,965.20	7,958.60	6.59	1,207.913		
500.00	500.00	461.00	461.00	1.57	7.13	134.26	-5,559.47	5,704.09	7,965.20	7,956.50	8.70	915.752		
600.00	600.00	561.00	561.00	1.93	8.88	134.26	-5,559.47	5,704.09	7,965.20	7,954.40	10.80	737.396		
700.00	700.00	661.00	661.00	2.29	10.62	134.26	-5,559.47	5,704.09	7,965.20	7,952.29	12.91	617.190		
800.00	800.00	761.00	761.00	2.64	12.37	134.26	-5,559.47	5,704.09	7,965.20	7,950.19	15.01	530.681		
900.00	899.98	860.98	860.98	3.00	14.11	74.70	-5,559.47	5,704.09	7,964.74	7,947.63	17.11	465.539		
1,000.00	999.84	960.84	960.84	3.35	15.85	74.76	-5,559.47	5,704.09	7,963.36	7,944.15	19.20	414.668		
1,100.00	1,099.45	1,060.45	1,060.45	3.71	17.59	74.87	-5,559.47	5,704.09	7,961.07	7,939.76	21.30	373.739		
1,200.00	1,198.70	1,159.70	1,159.70	4.08	19.32	75.01	-5,559.47	5,704.09	7,957.88	7,934.48	23.40	340.062		
1,300.00	1,297.47	1,258.47	1,258.47	4.47	21.05	75.20	-5,559.47	5,704.09	7,953.81	7,928.30	25.51	311.825		
1,400.00	1,395.62	1,356.62	1,356.62	4.87	22.76	75.42	-5,559.47	5,704.09	7,948.89	7,921.26	27.62	287.769		
1,500.00	1,493.06	1,454.06	1,454.06	5.31	24.46	75.69	-5,559.47	5,704.09	7,943.14	7,913.39	29.75	266.992		
1,600.00	1,589.64	1,550.64	1,550.64	5.77	26.15	75.99	-5,559.47	5,704.09	7,936.60	7,904.70	31.89	248.836		
1,700.00	1,685.27	1,646.27	1,646.27	6.28	27.82	76.33	-5,559.47	5,704.09	7,929.30	7,895.24	34.06	232.808		
1,800.00	1,779.82	1,740.82	1,740.82	6.83	29.47	76.70	-5,559.47	5,704.09	7,921.30	7,885.05	36.25	218.533		
1,900.00	1,873.17	1,834.17	1,834.17	7.43	31.10	77.11	-5,559.47	5,704.09	7,912.63	7,874.17	38.46	205.723		
2,000.00	1,965.21	1,926.21	1,926.21	8.08	32.70	77.55	-5,559.47	5,704.09	7,903.36	7,862.66	40.71	194.153		
2,100.00	2,055.84	2,016.84	2,016.84	8.79	34.28	78.01	-5,559.47	5,704.09	7,893.54	7,850.56	42.98	183.642		
2,200.00	2,144.94	2,105.94	2,105.94	9.56	35.84	78.50	-5,559.47	5,704.09	7,883.23	7,837.93	45.29	174.048		
2,300.00	2,232.39	2,206.61	2,193.39	10.39	37.60	79.02	-5,559.47	5,704.09	7,872.49	7,824.62	47.87	164.458		
2,400.00	2,318.11	2,279.11	2,279.11	11.30	38.86	79.56	-5,559.47	5,704.09	7,861.39	7,811.37	50.02	157.164		
2,504.60	2,405.78	2,366.78	2,366.78	12.31	40.39	80.14	-5,559.47	5,704.09	7,849.47	7,796.92	52.55	149.369		
2,600.00	2,484.79	2,445.79	2,445.79	13.28	41.77	80.46	-5,559.47	5,704.09	7,838.66	7,783.78	54.89	142.810		
2,700.00	2,567.60	2,528.60	2,528.60	14.32	43.22	80.80	-5,559.47	5,704.09	7,827.71	7,770.35	57.36	136.464		
2,800.00	2,650.41	2,611.41	2,611.41	15.37	44.66	81.13	-5,559.47	5,704.09	7,817.14	7,757.29	59.85	130.608		
2,900.00	2,733.23	2,705.77	2,694.23	16.44	46.31	81.47	-5,559.47	5,704.09	7,806.96	7,744.40	62.56	124.792		
3,000.00	2,816.04	2,777.04	2,777.04	17.52	47.55	81.81	-5,559.47	5,704.09	7,797.17	7,732.29	64.88	120.183		
3,100.00	2,898.85	2,859.85	2,859.85	18.60	49.00	82.15	-5,559.47	5,704.09	7,787.77	7,720.36	67.41	115.533		
3,200.00	2,981.67	2,942.67	2,942.67	19.69	50.44	82.49	-5,559.47	5,704.09	7,778.76	7,708.82	69.95	111.211		
3,300.00	3,064.48	3,025.48	3,025.48	20.79	51.89	82.83	-5,559.47	5,704.09	7,770.15	7,697.66	72.49	107.185		
3,400.00	3,147.30	3,108.30	3,108.30	21.90	53.33	83.17	-5,559.47	5,704.09	7,761.93	7,686.89	75.05	103.428		
3,500.00	3,230.11	3,208.89	3,191.11	23.00	55.09	83.51	-5,559.47	5,704.09	7,754.11	7,676.20	77.92	99.518		
3,600.00	3,312.92	3,273.92	3,273.92	24.12	56.22	83.86	-5,559.47	5,704.09	7,746.69	7,666.52	80.17	96.627		
3,700.00	3,395.74	3,356.74	3,356.74	25.23	57.67	84.20	-5,559.47	5,704.09	7,739.66	7,656.92	82.74	93.542		
3,800.00	3,478.55	3,439.55	3,439.55	26.35	59.12	84.54	-5,559.47	5,704.09	7,733.04	7,647.73	85.31	90.643		
3,900.00	3,561.36	3,522.36	3,522.36	27.47	60.56	84.89	-5,559.47	5,704.09	7,726.82	7,638.93	87.89	87.915		
4,000.00	3,644.18	3,605.18	3,605.18	28.59	62.01	85.23	-5,559.47	5,704.09	7,720.99	7,630.52	90.47	85.344		
4,100.00	3,726.99	3,687.99	3,687.99	29.72	63.45	85.57	-5,559.47	5,704.09	7,715.58	7,622.52	93.05	82.917		
4,200.00	3,809.81	3,770.81	3,770.81	30.85	64.90	85.92	-5,559.47	5,704.09	7,710.56	7,614.92	95.64	80.625		
4,300.00	3,892.62	3,853.62	3,853.62	31.98	66.34	86.26	-5,559.47	5,704.09	7,705.95	7,607.73	98.22	78.455		
4,400.00	3,975.43	3,936.43	3,936.43	33.11	67.79	86.61	-5,559.47	5,704.09	7,701.74	7,600.94	100.81	76.400		
4,500.00	4,058.25	4,019.25	4,019.25	34.24	69.23	86.95	-5,559.47	5,704.09	7,697.94	7,594.55	103.40	74.451		
4,600.00	4,141.06	4,102.06	4,102.06	35.37	70.68	87.30	-5,559.47	5,704.09	7,694.55	7,588.56	105.99	72.600		
4,700.00	4,223.87	4,184.87	4,184.87	36.50	72.12	87.64	-5,559.47	5,704.09	7,691.56	7,582.99	108.58	70.840		
4,800.00	4,306.69	4,267.69	4,267.69	37.64	73.57	87.99	-5,559.47	5,704.09	7,688.99	7,577.82	111.17	69.167		
4,900.00	4,389.50	4,350.50	4,350.50	38.77	75.01	88.33	-5,559.47	5,704.09	7,686.81	7,573.06	113.76	67.573		
5,000.00	4,472.32	4,433.32	4,433.32	39.91	76.46	88.68	-5,559.47	5,704.09	7,685.05	7,568.70	116.35	66.053		
5,100.00	4,555.13	4,516.13	4,516.13	41.05	77.91	89.03	-5,559.47	5,704.09	7,683.70	7,564.76	118.94	64.604		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,601.06	4,598.94	42.18	79.39	89.37	-5,559.47	5,704.09	7,682.75	7,561.19	121.56	63.200		
5,300.00	4,720.76	4,681.76	4,681.76	43.32	80.80	89.72	-5,559.47	5,704.09	7,682.21	7,558.10	124.11	61.897		
5,381.22	4,788.02	4,749.02	4,749.02	44.25	81.97	90.00	-5,559.47	5,704.09	7,682.08	7,555.86	126.22	60.865		
5,400.00	4,803.57	4,764.57	4,764.57	44.46	82.24	90.07	-5,559.47	5,704.09	7,682.09	7,555.39	126.70	60.632		
5,500.00	4,886.39	4,847.39	4,847.39	45.60	83.69	90.41	-5,559.47	5,704.09	7,682.37	7,553.08	129.29	59.421		
5,600.00	4,969.20	4,930.20	4,930.20	46.74	85.13	90.76	-5,559.47	5,704.09	7,683.06	7,551.19	131.87	58.262		
5,700.00	5,052.01	5,013.01	5,013.01	47.88	86.58	91.10	-5,559.47	5,704.09	7,684.16	7,549.70	134.45	57.150		
5,800.00	5,134.83	5,104.17	5,095.83	49.02	88.17	91.45	-5,559.47	5,704.09	7,685.67	7,548.48	137.18	56.025		
5,900.00	5,217.64	5,178.64	5,178.64	50.16	89.47	91.80	-5,559.47	5,704.09	7,687.58	7,547.97	139.62	55.063		
6,000.00	5,300.45	5,261.45	5,261.45	51.30	90.91	92.14	-5,559.47	5,704.09	7,689.91	7,547.71	142.19	54.081		
6,100.00	5,383.27	5,344.27	5,344.27	52.45	92.36	92.49	-5,559.47	5,704.09	7,692.64	7,547.87	144.77	53.138		
6,200.00	5,466.08	5,427.08	5,427.08	53.59	93.80	92.83	-5,559.47	5,704.09	7,695.78	7,548.44	147.34	52.231		
6,300.00	5,548.90	5,425.00	5,425.00	54.73	93.77	92.82	-5,559.47	5,704.09	7,699.79	7,551.38	148.41	51.881		
6,400.00	5,631.71	5,425.00	5,425.00	55.87	93.77	92.82	-5,559.47	5,704.09	7,705.10	7,555.60	149.50	51.539		
6,500.00	5,714.52	5,425.00	5,425.00	57.02	93.77	92.82	-5,559.47	5,704.09	7,711.70	7,561.13	150.57	51.217		
6,600.00	5,797.34	5,425.00	5,425.00	58.16	93.77	92.82	-5,559.47	5,704.09	7,719.60	7,567.98	151.62	50.915		
6,700.00	5,880.15	5,425.00	5,425.00	59.30	93.77	92.82	-5,559.47	5,704.09	7,728.77	7,576.13	152.64	50.634		
6,800.00	5,962.96	5,425.00	5,425.00	60.45	93.77	92.82	-5,559.47	5,704.09	7,739.23	7,585.59	153.64	50.371		
6,900.00	6,045.78	5,425.00	5,425.00	61.59	93.77	92.82	-5,559.47	5,704.09	7,750.97	7,596.35	154.62	50.128		
7,000.00	6,128.59	5,425.00	5,425.00	62.73	93.77	92.82	-5,559.47	5,704.09	7,763.98	7,608.39	155.58	49.903		
7,100.00	6,211.41	5,425.00	5,425.00	63.88	93.77	92.82	-5,559.47	5,704.09	7,778.25	7,621.73	156.52	49.696		
7,200.00	6,294.22	5,425.00	5,425.00	65.02	93.77	92.82	-5,559.47	5,704.09	7,793.78	7,636.35	157.43	49.506		
7,300.00	6,377.03	5,425.00	5,425.00	66.17	93.77	92.82	-5,559.47	5,704.09	7,810.55	7,652.23	158.32	49.334		
7,400.00	6,459.85	5,425.00	5,425.00	67.31	93.77	92.82	-5,559.47	5,704.09	7,828.57	7,669.39	159.18	49.179		
7,500.00	6,542.66	5,425.00	5,425.00	68.46	93.77	92.82	-5,559.47	5,704.09	7,847.82	7,687.80	160.03	49.041		
7,600.00	6,625.48	5,425.00	5,425.00	69.60	93.77	92.82	-5,559.47	5,704.09	7,868.30	7,707.45	160.85	48.918		
7,700.00	6,708.29	5,425.00	5,425.00	70.75	93.77	92.82	-5,559.47	5,704.09	7,889.99	7,728.35	161.64	48.812		
7,800.00	6,791.10	5,425.00	5,425.00	71.89	93.77	92.82	-5,559.47	5,704.09	7,912.88	7,750.47	162.41	48.721		
7,900.00	6,873.92	5,425.00	5,425.00	73.04	93.77	92.82	-5,559.47	5,704.09	7,936.97	7,773.81	163.16	48.645		
8,000.00	6,956.73	5,425.00	5,425.00	74.18	93.77	92.82	-5,559.47	5,704.09	7,962.24	7,798.36	163.89	48.584		
8,100.00	7,039.54	5,425.00	5,425.00	75.33	93.77	92.82	-5,559.47	5,704.09	7,988.68	7,824.10	164.59	48.537		
8,165.32	7,093.63	5,425.00	5,425.00	76.08	93.77	92.82	-5,559.47	5,704.09	8,006.58	7,841.55	165.03	48.515		
8,200.00	7,122.60	5,425.00	5,425.00	76.47	93.77	88.36	-5,559.47	5,704.09	8,015.36	7,850.09	165.26	48.501		
8,250.00	7,165.05	5,425.00	5,425.00	77.01	93.77	81.08	-5,559.47	5,704.09	8,024.94	7,859.36	165.57	48.468		
8,300.00	7,208.03	5,425.00	5,425.00	77.52	93.77	73.01	-5,559.47	5,704.09	8,030.84	7,864.99	165.85	48.421		
8,350.00	7,251.22	5,425.00	5,425.00	77.99	93.77	64.53	-5,559.47	5,704.09	8,033.03	7,866.93	166.10	48.362		
8,400.00	7,294.28	5,425.00	5,425.00	78.41	93.77	56.08	-5,559.47	5,704.09	8,031.50	7,865.19	166.31	48.292		
8,450.00	7,336.90	5,425.00	5,425.00	78.78	93.77	48.04	-5,559.47	5,704.09	8,026.25	7,859.77	166.48	48.211		
8,500.00	7,378.73	5,425.00	5,425.00	79.10	93.77	40.66	-5,559.47	5,704.09	8,017.32	7,850.71	166.61	48.121		
8,550.00	7,419.47	5,425.00	5,425.00	79.37	93.77	34.03	-5,559.47	5,704.09	8,004.76	7,838.07	166.69	48.021		
8,600.00	7,458.81	5,425.00	5,425.00	79.59	93.77	28.14	-5,559.47	5,704.09	7,988.65	7,821.92	166.73	47.913		
8,650.00	7,496.44	5,425.00	5,425.00	79.76	93.77	22.88	-5,559.47	5,704.09	7,969.09	7,802.36	166.73	47.796		
8,700.00	7,532.08	5,425.00	5,425.00	79.88	93.77	18.12	-5,559.47	5,704.09	7,946.21	7,779.52	166.69	47.670		
8,750.00	7,565.46	5,425.00	5,425.00	79.95	93.77	13.71	-5,559.47	5,704.09	7,920.16	7,753.54	166.61	47.536		
8,800.00	7,596.33	5,425.00	5,425.00	79.98	93.77	9.50	-5,559.47	5,704.09	7,891.09	7,724.59	166.50	47.394		
8,850.00	7,624.44	5,425.00	5,425.00	79.97	93.77	5.35	-5,559.47	5,704.09	7,859.20	7,692.84	166.36	47.243		
8,900.00	7,649.59	5,425.00	5,425.00	79.93	93.77	1.09	-5,559.47	5,704.09	7,824.70	7,658.52	166.19	47.084		
8,950.00	7,671.59	5,425.00	5,425.00	79.84	93.77	-3.44	-5,559.47	5,704.09	7,787.83	7,621.83	165.99	46.916		
9,000.00	7,690.26	5,425.00	5,425.00	79.73	93.77	-8.45	-5,559.47	5,704.09	7,748.82	7,583.03	165.78	46.741		
9,050.00	7,705.47	5,425.00	5,425.00	79.59	93.77	-14.16	-5,559.47	5,704.09	7,707.94	7,542.39	165.55	46.558		
9,100.00	7,717.09	5,425.00	5,425.00	79.43	93.77	-20.81	-5,559.47	5,704.09	7,665.48	7,500.17	165.32	46.369		
9,150.00	7,725.04	5,425.00	5,425.00	79.26	93.77	-28.66	-5,559.47	5,704.09	7,621.75	7,456.67	165.07	46.172		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	5,425.00	5,425.00	79.06	93.77	-37.81	-5,559.47	5,704.09	7,577.04	7,412.21	164.83	45.969		
9,231.13	7,730.00	5,425.00	5,425.00	78.93	93.77	-44.12	-5,559.47	5,704.09	7,548.85	7,384.18	164.68	45.840		
9,300.00	7,730.00	5,425.00	5,425.00	78.65	93.77	-44.12	-5,559.47	5,704.09	7,486.35	7,322.01	164.34	45.553		
9,400.00	7,730.00	5,425.00	5,425.00	78.26	93.77	-44.12	-5,559.47	5,704.09	7,395.80	7,231.95	163.85	45.138		
9,500.00	7,730.00	5,425.00	5,425.00	77.89	93.77	-44.12	-5,559.47	5,704.09	7,305.49	7,142.14	163.34	44.725		
9,600.00	7,730.00	5,425.00	5,425.00	77.53	93.77	-44.12	-5,559.47	5,704.09	7,215.43	7,052.61	162.83	44.314		
9,700.00	7,730.00	5,425.00	5,425.00	77.19	93.77	-44.12	-5,559.47	5,704.09	7,125.64	6,963.34	162.30	43.904		
9,800.00	7,730.00	5,425.00	5,425.00	76.88	93.77	-44.12	-5,559.47	5,704.09	7,036.13	6,874.36	161.77	43.496		
9,900.00	7,730.00	5,425.00	5,425.00	76.58	93.77	-44.12	-5,559.47	5,704.09	6,946.90	6,785.68	161.22	43.090		
10,000.00	7,730.00	5,425.00	5,425.00	76.30	93.77	-44.12	-5,559.47	5,704.09	6,857.97	6,697.31	160.66	42.685		
10,100.00	7,730.00	5,425.00	5,425.00	76.04	93.77	-44.12	-5,559.47	5,704.09	6,769.35	6,609.25	160.10	42.283		
10,200.00	7,730.00	5,425.00	5,425.00	75.79	93.77	-44.12	-5,559.47	5,704.09	6,681.05	6,521.53	159.52	41.882		
10,300.00	7,730.00	5,425.00	5,425.00	75.57	93.77	-44.12	-5,559.47	5,704.09	6,593.08	6,434.15	158.93	41.484		
10,400.00	7,730.00	5,425.00	5,425.00	75.36	93.77	-44.12	-5,559.47	5,704.09	6,505.46	6,347.13	158.33	41.087		
10,500.00	7,730.00	5,425.00	5,425.00	75.18	93.77	-44.12	-5,559.47	5,704.09	6,418.21	6,260.48	157.73	40.692		
10,600.00	7,730.00	5,425.00	5,425.00	75.01	93.77	-44.12	-5,559.47	5,704.09	6,331.33	6,174.22	157.11	40.300		
10,700.00	7,730.00	5,425.00	5,425.00	74.86	93.77	-44.12	-5,559.47	5,704.09	6,244.84	6,088.36	156.48	39.909		
10,800.00	7,730.00	5,425.00	5,425.00	74.74	93.77	-44.12	-5,559.47	5,704.09	6,158.76	6,002.92	155.84	39.520		
10,900.00	7,730.00	5,425.00	5,425.00	74.64	93.77	-44.12	-5,559.47	5,704.09	6,073.11	5,917.92	155.19	39.133		
11,000.00	7,730.00	5,425.00	5,425.00	74.56	93.77	-44.12	-5,559.47	5,704.09	5,987.91	5,833.37	154.54	38.748		
11,100.00	7,730.00	5,425.00	5,425.00	74.51	93.77	-44.12	-5,559.47	5,704.09	5,903.17	5,749.29	153.87	38.364		
11,200.00	7,730.00	5,425.00	5,425.00	74.48	93.77	-44.12	-5,559.47	5,704.09	5,818.91	5,665.71	153.20	37.982		
11,300.00	7,730.00	5,425.00	5,425.00	74.48	93.77	-44.12	-5,559.47	5,704.09	5,735.16	5,582.63	152.52	37.602		
11,400.00	7,730.00	5,425.00	5,425.00	74.50	93.77	-44.12	-5,559.47	5,704.09	5,651.93	5,500.10	151.84	37.224		
11,500.00	7,730.00	5,425.00	5,425.00	74.56	93.77	-44.12	-5,559.47	5,704.09	5,569.26	5,418.11	151.15	36.847		
11,600.00	7,730.00	5,425.00	5,425.00	74.66	93.77	-44.12	-5,559.47	5,704.09	5,487.17	5,336.71	150.45	36.471		
11,700.00	7,730.00	5,425.00	5,425.00	74.79	93.77	-44.12	-5,559.47	5,704.09	5,405.67	5,255.91	149.76	36.095		
11,800.00	7,730.00	5,425.00	5,425.00	74.96	93.77	-44.12	-5,559.47	5,704.09	5,324.81	5,175.75	149.07	35.721		
11,900.00	7,730.00	5,425.00	5,425.00	75.17	93.77	-44.12	-5,559.47	5,704.09	5,244.61	5,096.24	148.37	35.348		
12,000.00	7,730.00	5,425.00	5,425.00	75.43	93.77	-44.12	-5,559.47	5,704.09	5,165.10	5,017.42	147.68	34.974		
12,100.00	7,730.00	5,425.00	5,425.00	75.73	93.77	-44.12	-5,559.47	5,704.09	5,086.32	4,939.32	147.00	34.600		
12,200.00	7,730.00	5,425.00	5,425.00	76.09	93.77	-44.12	-5,559.47	5,704.09	5,008.29	4,861.96	146.33	34.226		
12,300.00	7,730.00	5,425.00	5,425.00	76.51	93.77	-44.12	-5,559.47	5,704.09	4,931.05	4,785.38	145.67	33.851		
12,400.00	7,730.00	5,425.00	5,425.00	76.97	93.77	-44.12	-5,559.47	5,704.09	4,854.65	4,709.62	145.02	33.475		
12,500.00	7,730.00	5,425.00	5,425.00	77.50	93.77	-44.12	-5,559.47	5,704.09	4,779.11	4,634.72	144.40	33.097		
12,600.00	7,730.00	5,425.00	5,425.00	78.09	93.77	-44.12	-5,559.47	5,704.09	4,704.49	4,560.70	143.80	32.716		
12,700.00	7,730.00	5,425.00	5,425.00	78.74	93.77	-44.12	-5,559.47	5,704.09	4,630.83	4,487.61	143.22	32.333		
12,800.00	7,730.00	5,425.00	5,425.00	79.45	93.77	-44.12	-5,559.47	5,704.09	4,558.17	4,415.48	142.68	31.946		
12,900.00	7,730.00	5,425.00	5,425.00	80.22	93.77	-44.12	-5,559.47	5,704.09	4,486.56	4,344.38	142.18	31.555		
13,000.00	7,730.00	5,425.00	5,425.00	81.05	93.77	-44.12	-5,559.47	5,704.09	4,416.06	4,274.33	141.73	31.159		
13,100.00	7,730.00	5,425.00	5,425.00	81.94	93.77	-44.12	-5,559.47	5,704.09	4,346.71	4,205.39	141.32	30.758		
13,200.00	7,730.00	5,425.00	5,425.00	82.87	93.77	-44.12	-5,559.47	5,704.09	4,278.58	4,137.60	140.97	30.351		
13,300.00	7,730.00	5,425.00	5,425.00	83.86	93.77	-44.12	-5,559.47	5,704.09	4,211.71	4,071.03	140.68	29.937		
13,400.00	7,730.00	5,425.00	5,425.00	84.90	93.77	-44.12	-5,559.47	5,704.09	4,146.19	4,005.72	140.47	29.517		
13,500.00	7,730.00	5,425.00	5,425.00	85.97	93.77	-44.12	-5,559.47	5,704.09	4,082.06	3,941.73	140.32	29.090		
13,600.00	7,730.00	5,425.00	5,425.00	87.09	93.77	-44.12	-5,559.47	5,704.09	4,019.39	3,879.13	140.26	28.656		
13,700.00	7,730.00	5,425.00	5,425.00	88.25	93.77	-44.12	-5,559.47	5,704.09	3,958.26	3,817.97	140.29	28.215		
13,800.00	7,730.00	5,425.00	5,425.00	89.44	93.77	-44.12	-5,559.47	5,704.09	3,898.74	3,758.33	140.41	27.766		
13,900.00	7,730.00	5,425.00	5,425.00	90.66	93.77	-44.12	-5,559.47	5,704.09	3,840.90	3,700.27	140.63	27.312		
14,000.00	7,730.00	5,425.00	5,425.00	91.92	93.77	-44.12	-5,559.47	5,704.09	3,784.81	3,643.86	140.96	26.851		
14,100.00	7,730.00	5,425.00	5,425.00	93.20	93.77	-44.12	-5,559.47	5,704.09	3,730.57	3,589.18	141.39	26.384		
14,200.00	7,730.00	5,425.00	5,425.00	94.50	93.77	-44.12	-5,559.47	5,704.09	3,678.24	3,536.30	141.94	25.914		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	5,425.00	5,425.00	95.83	93.77	-44.12	-5,559.47	5,704.09	3,627.92	3,485.32	142.60	25.441		
14,400.00	7,730.00	5,425.00	5,425.00	97.17	93.77	-44.12	-5,559.47	5,704.09	3,579.68	3,436.30	143.38	24.966		
14,500.00	7,730.00	5,425.00	5,425.00	98.54	93.77	-44.12	-5,559.47	5,704.09	3,533.62	3,389.34	144.28	24.491		
14,600.00	7,730.00	5,425.00	5,425.00	99.92	93.77	-44.12	-5,559.47	5,704.09	3,489.81	3,344.51	145.30	24.018		
14,700.00	7,730.00	5,425.00	5,425.00	101.32	93.77	-44.12	-5,559.47	5,704.09	3,448.35	3,301.91	146.43	23.549		
14,800.00	7,730.00	5,425.00	5,425.00	102.74	93.77	-44.12	-5,559.47	5,704.09	3,409.32	3,261.63	147.69	23.085		
14,900.00	7,730.00	5,425.00	5,425.00	104.17	93.77	-44.12	-5,559.47	5,704.09	3,372.80	3,223.74	149.06	22.628		
15,000.00	7,730.00	5,425.00	5,425.00	105.62	93.77	-44.12	-5,559.47	5,704.09	3,338.88	3,188.34	150.54	22.180		
15,100.00	7,730.00	5,425.00	5,425.00	107.07	93.77	-44.12	-5,559.47	5,704.09	3,307.63	3,155.50	152.13	21.743		
15,200.00	7,730.00	5,425.00	5,425.00	108.54	93.77	-44.12	-5,559.47	5,704.09	3,279.14	3,125.32	153.82	21.318		
15,300.00	7,730.00	5,425.00	5,425.00	110.02	93.77	-44.12	-5,559.47	5,704.09	3,253.47	3,097.86	155.61	20.908		
15,400.00	7,730.00	5,425.00	5,425.00	111.51	93.77	-44.12	-5,559.47	5,704.09	3,230.70	3,073.21	157.49	20.514		
15,500.00	7,730.00	5,425.00	5,425.00	113.01	93.77	-44.12	-5,559.47	5,704.09	3,210.88	3,051.42	159.45	20.137		
15,600.00	7,730.00	5,425.00	5,425.00	114.52	93.77	-44.12	-5,559.47	5,704.09	3,194.06	3,032.57	161.49	19.778		
15,700.00	7,730.00	5,425.00	5,425.00	116.04	93.77	-44.12	-5,559.47	5,704.09	3,180.31	3,016.71	163.60	19.439		
15,800.00	7,730.00	5,425.00	5,425.00	117.56	93.77	-44.12	-5,559.47	5,704.09	3,169.65	3,003.88	165.77	19.121		
15,900.00	7,730.00	5,425.00	5,425.00	119.09	93.77	-44.12	-5,559.47	5,704.09	3,162.12	2,994.13	167.99	18.823		
16,000.00	7,730.00	5,425.00	5,425.00	120.63	93.77	-44.12	-5,559.47	5,704.09	3,157.74	2,987.49	170.25	18.548		
16,088.37	7,730.00	5,425.00	5,425.00	122.00	93.77	-44.12	-5,559.47	5,704.09	3,156.51	2,984.24	172.27	18.323 CC		
16,100.00	7,730.00	5,425.00	5,425.00	122.18	93.77	-44.12	-5,559.47	5,704.09	3,156.53	2,983.99	172.54	18.295		
16,200.00	7,730.00	5,425.00	5,425.00	123.73	93.77	-44.12	-5,559.47	5,704.09	3,158.48	2,983.63	174.85	18.064 ES		
16,300.00	7,730.00	5,425.00	5,425.00	125.29	93.77	-44.12	-5,559.47	5,704.09	3,163.59	2,986.43	177.16	17.857		
16,400.00	7,730.00	5,425.00	5,425.00	126.86	93.77	-44.12	-5,559.47	5,704.09	3,171.85	2,992.38	179.47	17.673		
16,500.00	7,730.00	5,425.00	5,425.00	128.43	93.77	-44.12	-5,559.47	5,704.09	3,183.23	3,001.46	181.77	17.512		
16,600.00	7,730.00	5,425.00	5,425.00	130.01	93.77	-44.12	-5,559.47	5,704.09	3,197.70	3,013.65	184.05	17.374		
16,700.00	7,730.00	5,425.00	5,425.00	131.59	93.77	-44.12	-5,559.47	5,704.09	3,215.22	3,028.93	186.29	17.259		
16,800.00	7,730.00	5,425.00	5,425.00	133.18	93.77	-44.12	-5,559.47	5,704.09	3,235.73	3,047.24	188.49	17.166		
16,900.00	7,730.00	5,425.00	5,425.00	134.77	93.77	-44.12	-5,559.47	5,704.09	3,259.19	3,068.55	190.64	17.096		
17,000.00	7,730.00	5,425.00	5,425.00	136.37	93.77	-44.12	-5,559.47	5,704.09	3,285.52	3,092.79	192.73	17.047		
17,100.00	7,730.00	5,425.00	5,425.00	137.97	93.77	-44.12	-5,559.47	5,704.09	3,314.66	3,119.90	194.75	17.020		
17,200.00	7,730.00	5,425.00	5,425.00	139.57	93.77	-44.12	-5,559.47	5,704.09	3,346.53	3,149.83	196.70	17.013 SF		
17,300.00	7,730.00	5,425.00	5,425.00	141.18	93.77	-44.12	-5,559.47	5,704.09	3,381.06	3,182.48	198.58	17.026		
17,400.00	7,730.00	5,425.00	5,425.00	142.79	93.77	-44.12	-5,559.47	5,704.09	3,418.17	3,217.80	200.38	17.059		
17,500.00	7,730.00	5,425.00	5,425.00	144.41	93.77	-44.12	-5,559.47	5,704.09	3,457.78	3,255.69	202.09	17.110		
17,600.00	7,730.00	5,425.00	5,425.00	146.03	93.77	-44.12	-5,559.47	5,704.09	3,499.80	3,296.07	203.73	17.179		
17,700.00	7,730.00	5,425.00	5,425.00	147.65	93.77	-44.12	-5,559.47	5,704.09	3,544.14	3,338.86	205.27	17.266		
17,800.00	7,730.00	5,425.00	5,425.00	149.28	93.77	-44.12	-5,559.47	5,704.09	3,590.71	3,383.98	206.73	17.369		
17,900.00	7,730.00	5,425.00	5,425.00	150.91	93.77	-44.12	-5,559.47	5,704.09	3,639.44	3,431.33	208.11	17.488		
18,000.00	7,730.00	5,425.00	5,425.00	152.54	93.77	-44.12	-5,559.47	5,704.09	3,690.24	3,480.83	209.41	17.622		
18,100.00	7,730.00	5,425.00	5,425.00	154.18	93.77	-44.12	-5,559.47	5,704.09	3,743.02	3,532.40	210.62	17.771		
18,200.00	7,730.00	5,425.00	5,425.00	155.82	93.77	-44.12	-5,559.47	5,704.09	3,797.70	3,585.95	211.75	17.934		
18,300.00	7,730.00	5,425.00	5,425.00	157.46	93.77	-44.12	-5,559.47	5,704.09	3,854.20	3,641.39	212.81	18.111		
18,400.00	7,730.00	5,425.00	5,425.00	159.11	93.77	-44.12	-5,559.47	5,704.09	3,912.44	3,698.64	213.80	18.300		
18,500.00	7,730.00	5,425.00	5,425.00	160.75	93.77	-44.12	-5,559.47	5,704.09	3,972.34	3,757.63	214.71	18.501		
18,600.00	7,730.00	5,425.00	5,425.00	162.40	93.77	-44.12	-5,559.47	5,704.09	4,033.84	3,818.28	215.55	18.714		
18,700.00	7,730.00	5,425.00	5,425.00	164.05	93.77	-44.12	-5,559.47	5,704.09	4,096.85	3,880.51	216.34	18.937		
18,800.00	7,730.00	5,425.00	5,425.00	165.71	93.77	-44.12	-5,559.47	5,704.09	4,161.31	3,944.25	217.06	19.172		
18,900.00	7,730.00	5,425.00	5,425.00	167.36	93.77	-44.12	-5,559.47	5,704.09	4,227.15	4,009.43	217.72	19.416		
18,942.39	7,730.00	5,425.00	5,425.00	168.07	93.77	-44.12	-5,559.47	5,704.09	4,255.47	4,037.48	217.98	19.522		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	134.02	-4,237.38	4,384.47	6,097.56					
100.00	100.00	65.00	65.00	0.13	0.51	134.02	-4,237.38	4,384.47	6,097.45	6,096.81	0.64	9,454.350		
200.00	200.00	165.00	165.00	0.49	1.92	134.02	-4,237.38	4,384.47	6,097.45	6,095.04	2.41	2,527.168		
300.00	300.00	265.00	265.00	0.85	3.67	134.02	-4,237.38	4,384.47	6,097.45	6,092.94	4.52	1,350.021		
400.00	400.00	365.00	365.00	1.21	5.41	134.02	-4,237.38	4,384.47	6,097.45	6,090.83	6.62	921.015		
500.00	500.00	465.00	465.00	1.57	7.16	134.02	-4,237.38	4,384.47	6,097.45	6,088.73	8.72	698.916		
600.00	600.00	565.00	565.00	1.93	8.90	134.02	-4,237.38	4,384.47	6,097.45	6,086.63	10.83	563.121		
700.00	700.00	665.00	665.00	2.29	10.65	134.02	-4,237.38	4,384.47	6,097.45	6,084.52	12.93	471.510		
800.00	800.00	765.00	765.00	2.64	12.39	134.02	-4,237.38	4,384.47	6,097.45	6,082.42	15.04	405.535		
900.00	899.98	864.98	864.98	3.00	14.14	74.46	-4,237.38	4,384.47	6,096.99	6,079.85	17.13	355.824		
1,000.00	999.84	964.84	964.84	3.35	15.88	74.54	-4,237.38	4,384.47	6,095.59	6,076.36	19.23	316.977		
1,100.00	1,099.45	1,064.45	1,064.45	3.71	17.62	74.66	-4,237.38	4,384.47	6,093.26	6,071.94	21.33	285.703		
1,200.00	1,198.70	1,163.70	1,163.70	4.08	19.35	74.83	-4,237.38	4,384.47	6,090.03	6,066.61	23.43	259.954		
1,300.00	1,297.47	1,262.47	1,262.47	4.47	21.07	75.05	-4,237.38	4,384.47	6,085.92	6,060.39	25.53	238.352		
1,400.00	1,395.62	1,360.62	1,360.62	4.87	22.79	75.32	-4,237.38	4,384.47	6,080.96	6,053.31	27.65	219.938		
1,500.00	1,493.06	1,458.06	1,458.06	5.31	24.49	75.63	-4,237.38	4,384.47	6,075.18	6,045.40	29.78	204.026		
1,600.00	1,589.64	1,554.64	1,554.64	5.77	26.17	75.99	-4,237.38	4,384.47	6,068.62	6,036.70	31.92	190.113		
1,700.00	1,685.27	1,650.27	1,650.27	6.28	27.84	76.39	-4,237.38	4,384.47	6,061.34	6,027.25	34.09	177.826		
1,800.00	1,779.82	1,744.82	1,744.82	6.83	29.49	76.82	-4,237.38	4,384.47	6,053.39	6,017.11	36.27	166.877		
1,900.00	1,873.17	1,838.17	1,838.17	7.43	31.12	77.30	-4,237.38	4,384.47	6,044.83	6,006.34	38.49	157.049		
2,000.00	1,965.21	1,930.21	1,930.21	8.08	32.73	77.82	-4,237.38	4,384.47	6,035.72	5,994.98	40.74	148.167		
2,100.00	2,055.84	2,020.84	2,020.84	8.79	34.31	78.36	-4,237.38	4,384.47	6,026.14	5,983.12	43.01	140.098		
2,200.00	2,144.94	2,109.94	2,109.94	9.56	35.87	78.94	-4,237.38	4,384.47	6,016.16	5,970.83	45.33	132.730		
2,300.00	2,232.39	2,202.61	2,197.39	10.39	37.48	79.54	-4,237.38	4,384.47	6,005.87	5,958.10	47.77	125.736		
2,400.00	2,318.11	2,283.11	2,283.11	11.30	38.89	80.17	-4,237.38	4,384.47	5,995.34	5,945.28	50.06	119.763		
2,504.60	2,405.78	2,370.78	2,370.78	12.31	40.42	80.84	-4,237.38	4,384.47	5,984.18	5,931.58	52.60	113.777		
2,600.00	2,484.79	2,449.79	2,449.79	13.28	41.80	81.26	-4,237.38	4,384.47	5,974.19	5,919.25	54.94	108.743		
2,700.00	2,567.60	2,532.60	2,532.60	14.32	43.24	81.70	-4,237.38	4,384.47	5,964.21	5,906.80	57.42	103.876		
2,800.00	2,650.41	2,615.41	2,615.41	15.37	44.69	82.15	-4,237.38	4,384.47	5,954.75	5,894.84	59.91	99.389		
2,900.00	2,733.23	2,701.77	2,698.23	16.44	46.19	82.59	-4,237.38	4,384.47	5,945.80	5,883.31	62.49	95.151		
3,000.00	2,816.04	2,781.04	2,781.04	17.52	47.58	83.04	-4,237.38	4,384.47	5,937.37	5,872.42	64.95	91.412		
3,100.00	2,898.85	2,863.85	2,863.85	18.60	49.02	83.49	-4,237.38	4,384.47	5,929.45	5,861.96	67.49	87.860		
3,200.00	2,981.67	2,946.67	2,946.67	19.69	50.47	83.93	-4,237.38	4,384.47	5,922.05	5,852.02	70.03	84.561		
3,300.00	3,064.48	3,029.48	3,029.48	20.79	51.91	84.38	-4,237.38	4,384.47	5,915.18	5,842.59	72.59	81.493		
3,400.00	3,147.30	3,112.30	3,112.30	21.90	53.36	84.83	-4,237.38	4,384.47	5,908.83	5,833.69	75.14	78.633		
3,500.00	3,230.11	3,204.89	3,195.11	23.00	54.98	85.28	-4,237.38	4,384.47	5,903.00	5,825.12	77.88	75.796		
3,600.00	3,312.92	3,277.92	3,277.92	24.12	56.25	85.73	-4,237.38	4,384.47	5,897.71	5,817.43	80.28	73.466		
3,700.00	3,395.74	3,360.74	3,360.74	25.23	57.70	86.18	-4,237.38	4,384.47	5,892.94	5,810.09	82.85	71.127		
3,800.00	3,478.55	3,443.55	3,443.55	26.35	59.14	86.63	-4,237.38	4,384.47	5,888.70	5,803.27	85.43	68.933		
3,900.00	3,561.36	3,526.36	3,526.36	27.47	60.59	87.08	-4,237.38	4,384.47	5,884.99	5,796.98	88.00	66.871		
4,000.00	3,644.18	3,609.18	3,609.18	28.59	62.03	87.53	-4,237.38	4,384.47	5,881.81	5,791.23	90.58	64.932		
4,100.00	3,726.99	3,708.01	3,691.99	29.72	63.76	87.99	-4,237.38	4,384.47	5,879.17	5,785.72	93.44	62.916		
4,200.00	3,809.81	3,774.81	3,774.81	30.85	64.92	88.44	-4,237.38	4,384.47	5,877.05	5,781.31	95.75	61.381		
4,300.00	3,892.62	3,857.62	3,857.62	31.98	66.37	88.89	-4,237.38	4,384.47	5,875.48	5,777.15	98.33	59.753		
4,400.00	3,975.43	3,940.43	3,940.43	33.11	67.81	89.34	-4,237.38	4,384.47	5,874.43	5,773.52	100.91	58.214		
4,500.00	4,058.25	4,023.25	4,023.25	34.24	69.26	89.80	-4,237.38	4,384.47	5,873.93	5,770.43	103.49	56.757		
4,544.97	4,095.49	4,060.49	4,060.49	34.75	69.91	90.00	-4,237.38	4,384.47	5,873.87	5,769.22	104.65	56.127		
4,600.00	4,141.06	4,106.06	4,106.06	35.37	70.70	90.25	-4,237.38	4,384.47	5,873.95	5,767.88	106.07	55.376		
4,700.00	4,223.87	4,188.87	4,188.87	36.50	72.15	90.70	-4,237.38	4,384.47	5,874.52	5,765.86	108.65	54.067		
4,800.00	4,306.69	4,271.69	4,271.69	37.64	73.60	91.15	-4,237.38	4,384.47	5,875.61	5,764.38	111.23	52.824		
4,900.00	4,389.50	4,354.50	4,354.50	38.77	75.04	91.61	-4,237.38	4,384.47	5,877.24	5,763.44	113.81	51.643		
5,000.00	4,472.32	4,437.32	4,437.32	39.91	76.49	92.06	-4,237.38	4,384.47	5,879.41	5,763.03	116.38	50.519		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,520.13	4,520.13	41.05	77.93	92.51	-4,237.38	4,384.47	5,882.11	5,763.16	118.95	49.450		
5,200.00	4,637.94	4,602.94	4,602.94	42.18	79.38	92.96	-4,237.38	4,384.47	5,885.34	5,763.82	121.52	48.432		
5,300.00	4,720.76	4,685.76	4,685.76	43.32	80.82	93.41	-4,237.38	4,384.47	5,889.10	5,765.02	124.08	47.462		
5,400.00	4,803.57	4,768.57	4,768.57	44.46	82.27	93.87	-4,237.38	4,384.47	5,893.39	5,766.75	126.64	46.536		
5,500.00	4,886.39	4,851.39	4,851.39	45.60	83.71	94.32	-4,237.38	4,384.47	5,898.22	5,769.02	129.20	45.652		
5,600.00	4,969.20	4,934.20	4,934.20	46.74	85.16	94.77	-4,237.38	4,384.47	5,903.57	5,771.82	131.75	44.809		
5,700.00	5,052.01	5,017.01	5,017.01	47.88	86.60	95.22	-4,237.38	4,384.47	5,909.44	5,775.15	134.30	44.002		
5,800.00	5,134.83	5,100.17	5,099.83	49.02	88.05	95.66	-4,237.38	4,384.47	5,915.85	5,779.00	136.85	43.229		
5,900.00	5,217.64	5,182.64	5,182.64	50.16	89.49	96.11	-4,237.38	4,384.47	5,922.78	5,783.39	139.38	42.493		
6,000.00	5,300.45	5,265.45	5,265.45	51.30	90.94	96.56	-4,237.38	4,384.47	5,930.22	5,788.31	141.91	41.787		
6,100.00	5,383.27	5,348.27	5,348.27	52.45	92.38	97.01	-4,237.38	4,384.47	5,938.19	5,793.75	144.44	41.111		
6,200.00	5,466.08	5,431.08	5,431.08	53.59	93.83	97.45	-4,237.38	4,384.47	5,946.68	5,799.71	146.96	40.463		
6,300.00	5,548.90	5,450.00	5,450.00	54.73	94.16	97.55	-4,237.38	4,384.47	5,956.02	5,807.68	148.35	40.150		
6,400.00	5,631.71	5,450.00	5,450.00	55.87	94.16	97.55	-4,237.38	4,384.47	5,967.00	5,817.64	149.36	39.951		
6,500.00	5,714.52	5,450.00	5,450.00	57.02	94.16	97.55	-4,237.38	4,384.47	5,979.63	5,829.29	150.34	39.775		
6,600.00	5,797.34	5,450.00	5,450.00	58.16	94.16	97.55	-4,237.38	4,384.47	5,993.90	5,842.62	151.28	39.622		
6,700.00	5,880.15	5,450.00	5,450.00	59.30	94.16	97.55	-4,237.38	4,384.47	6,009.80	5,857.62	152.18	39.491		
6,800.00	5,962.96	5,450.00	5,450.00	60.45	94.16	97.55	-4,237.38	4,384.47	6,027.32	5,874.27	153.05	39.382		
6,900.00	6,045.78	5,450.00	5,450.00	61.59	94.16	97.55	-4,237.38	4,384.47	6,046.44	5,892.56	153.88	39.293		
7,000.00	6,128.59	5,450.00	5,450.00	62.73	94.16	97.55	-4,237.38	4,384.47	6,067.15	5,912.47	154.67	39.225		
7,100.00	6,211.41	5,450.00	5,450.00	63.88	94.16	97.55	-4,237.38	4,384.47	6,089.43	5,933.99	155.43	39.177		
7,200.00	6,294.22	5,450.00	5,450.00	65.02	94.16	97.55	-4,237.38	4,384.47	6,113.26	5,957.11	156.15	39.149		
7,300.00	6,377.03	5,450.00	5,450.00	66.17	94.16	97.55	-4,237.38	4,384.47	6,138.64	5,981.80	156.84	39.139		
7,400.00	6,459.85	5,450.00	5,450.00	67.31	94.16	97.55	-4,237.38	4,384.47	6,165.53	6,008.04	157.49	39.148		
7,500.00	6,542.66	5,450.00	5,450.00	68.46	94.16	97.55	-4,237.38	4,384.47	6,193.91	6,035.81	158.11	39.176		
7,600.00	6,625.48	5,450.00	5,450.00	69.60	94.16	97.55	-4,237.38	4,384.47	6,223.78	6,065.09	158.69	39.220		
7,700.00	6,708.29	5,450.00	5,450.00	70.75	94.16	97.55	-4,237.38	4,384.47	6,255.10	6,095.87	159.24	39.282		
7,800.00	6,791.10	5,450.00	5,450.00	71.89	94.16	97.55	-4,237.38	4,384.47	6,287.86	6,128.11	159.75	39.361		
7,900.00	6,873.92	5,450.00	5,450.00	73.04	94.16	97.55	-4,237.38	4,384.47	6,322.03	6,161.80	160.23	39.456		
8,000.00	6,956.73	5,450.00	5,450.00	74.18	94.16	97.55	-4,237.38	4,384.47	6,357.59	6,196.91	160.68	39.567		
8,100.00	7,039.54	5,450.00	5,450.00	75.33	94.16	97.55	-4,237.38	4,384.47	6,394.51	6,233.41	161.10	39.693		
8,165.32	7,093.63	5,450.00	5,450.00	76.08	94.16	97.55	-4,237.38	4,384.47	6,419.35	6,258.00	161.36	39.784		
8,200.00	7,122.60	5,450.00	5,450.00	76.47	94.16	93.15	-4,237.38	4,384.47	6,431.85	6,270.37	161.48	39.830		
8,250.00	7,165.05	5,450.00	5,450.00	77.01	94.16	85.98	-4,237.38	4,384.47	6,446.85	6,285.20	161.65	39.882		
8,300.00	7,208.03	5,450.00	5,450.00	77.52	94.16	78.03	-4,237.38	4,384.47	6,458.19	6,296.40	161.79	39.917		
8,350.00	7,251.22	5,450.00	5,450.00	77.99	94.16	69.70	-4,237.38	4,384.47	6,465.82	6,303.92	161.90	39.937		
8,400.00	7,294.28	5,450.00	5,450.00	78.41	94.16	61.42	-4,237.38	4,384.47	6,469.70	6,307.72	161.98	39.942		
8,450.00	7,336.90	5,450.00	5,450.00	78.78	94.16	53.58	-4,237.38	4,384.47	6,469.78	6,307.76	162.02	39.932		
8,500.00	7,378.73	5,450.00	5,450.00	79.10	94.16	46.44	-4,237.38	4,384.47	6,466.09	6,304.07	162.02	39.909		
8,550.00	7,419.47	5,450.00	5,450.00	79.37	94.16	40.11	-4,237.38	4,384.47	6,458.63	6,296.64	161.99	39.871		
8,600.00	7,458.81	5,450.00	5,450.00	79.59	94.16	34.56	-4,237.38	4,384.47	6,447.46	6,285.54	161.91	39.820		
8,650.00	7,496.44	5,450.00	5,450.00	79.76	94.16	29.70	-4,237.38	4,384.47	6,432.63	6,270.82	161.81	39.755		
8,700.00	7,532.08	5,450.00	5,450.00	79.88	94.16	25.42	-4,237.38	4,384.47	6,414.24	6,252.57	161.66	39.676		
8,750.00	7,565.46	5,450.00	5,450.00	79.95	94.16	21.58	-4,237.38	4,384.47	6,392.39	6,230.90	161.49	39.583		
8,800.00	7,596.33	5,450.00	5,450.00	79.98	94.16	18.07	-4,237.38	4,384.47	6,367.23	6,205.94	161.29	39.477		
8,850.00	7,624.44	5,450.00	5,450.00	79.97	94.16	14.76	-4,237.38	4,384.47	6,338.89	6,177.82	161.07	39.356		
8,900.00	7,649.59	5,450.00	5,450.00	79.93	94.16	11.52	-4,237.38	4,384.47	6,307.56	6,146.74	160.82	39.221		
8,950.00	7,671.59	5,450.00	5,450.00	79.84	94.16	8.22	-4,237.38	4,384.47	6,273.43	6,112.87	160.56	39.072		
9,000.00	7,690.26	5,450.00	5,450.00	79.73	94.16	4.72	-4,237.38	4,384.47	6,236.71	6,076.43	160.29	38.909		
9,050.00	7,705.47	5,450.00	5,450.00	79.59	94.16	0.82	-4,237.38	4,384.47	6,197.65	6,037.64	160.01	38.733		
9,100.00	7,717.09	5,450.00	5,450.00	79.43	94.16	-3.71	-4,237.38	4,384.47	6,156.50	5,996.77	159.73	38.542		
9,150.00	7,725.04	5,450.00	5,450.00	79.26	94.16	-9.19	-4,237.38	4,384.47	6,113.53	5,954.07	159.46	38.339		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	5,450.00	5,450.00	79.06	94.16	-16.06	-4,237.38	4,384.47	6,069.04	5,909.84	159.19	38.124		
9,231.13	7,730.00	5,450.00	5,450.00	78.93	94.16	-21.26	-4,237.38	4,384.47	6,040.70	5,881.66	159.03	37.983		
9,300.00	7,730.00	5,450.00	5,450.00	78.65	94.16	-21.26	-4,237.38	4,384.47	5,977.61	5,818.92	158.69	37.670		
9,400.00	7,730.00	5,450.00	5,450.00	78.26	94.16	-21.26	-4,237.38	4,384.47	5,886.22	5,728.06	158.16	37.216		
9,500.00	7,730.00	5,450.00	5,450.00	77.89	94.16	-21.26	-4,237.38	4,384.47	5,795.13	5,637.50	157.62	36.766		
9,600.00	7,730.00	5,450.00	5,450.00	77.53	94.16	-21.26	-4,237.38	4,384.47	5,704.33	5,547.26	157.06	36.319		
9,700.00	7,730.00	5,450.00	5,450.00	77.19	94.16	-21.26	-4,237.38	4,384.47	5,613.84	5,457.36	156.48	35.875		
9,800.00	7,730.00	5,450.00	5,450.00	76.88	94.16	-21.26	-4,237.38	4,384.47	5,523.68	5,367.80	155.88	35.435		
9,900.00	7,730.00	5,450.00	5,450.00	76.58	94.16	-21.26	-4,237.38	4,384.47	5,433.87	5,278.60	155.26	34.998		
10,000.00	7,730.00	5,450.00	5,450.00	76.30	94.16	-21.26	-4,237.38	4,384.47	5,344.41	5,189.79	154.62	34.565		
10,100.00	7,730.00	5,450.00	5,450.00	76.04	94.16	-21.26	-4,237.38	4,384.47	5,255.34	5,101.39	153.95	34.136		
10,200.00	7,730.00	5,450.00	5,450.00	75.79	94.16	-21.26	-4,237.38	4,384.47	5,166.67	5,013.40	153.26	33.711		
10,300.00	7,730.00	5,450.00	5,450.00	75.57	94.16	-21.26	-4,237.38	4,384.47	5,078.42	4,925.87	152.55	33.291		
10,400.00	7,730.00	5,450.00	5,450.00	75.36	94.16	-21.26	-4,237.38	4,384.47	4,990.61	4,838.80	151.80	32.876		
10,500.00	7,730.00	5,450.00	5,450.00	75.18	94.16	-21.26	-4,237.38	4,384.47	4,903.26	4,752.23	151.03	32.465		
10,600.00	7,730.00	5,450.00	5,450.00	75.01	94.16	-21.26	-4,237.38	4,384.47	4,816.42	4,666.18	150.23	32.060		
10,700.00	7,730.00	5,450.00	5,450.00	74.86	94.16	-21.26	-4,237.38	4,384.47	4,730.09	4,580.68	149.40	31.660		
10,800.00	7,730.00	5,450.00	5,450.00	74.74	94.16	-21.26	-4,237.38	4,384.47	4,644.30	4,495.76	148.54	31.265		
10,900.00	7,730.00	5,450.00	5,450.00	74.64	94.16	-21.26	-4,237.38	4,384.47	4,559.10	4,411.45	147.65	30.877		
11,000.00	7,730.00	5,450.00	5,450.00	74.56	94.16	-21.26	-4,237.38	4,384.47	4,474.51	4,327.79	146.73	30.496		
11,100.00	7,730.00	5,450.00	5,450.00	74.51	94.16	-21.26	-4,237.38	4,384.47	4,390.57	4,244.80	145.77	30.120		
11,200.00	7,730.00	5,450.00	5,450.00	74.48	94.16	-21.26	-4,237.38	4,384.47	4,307.32	4,162.54	144.77	29.752		
11,300.00	7,730.00	5,450.00	5,450.00	74.48	94.16	-21.26	-4,237.38	4,384.47	4,224.79	4,081.05	143.74	29.392		
11,400.00	7,730.00	5,450.00	5,450.00	74.50	94.16	-21.26	-4,237.38	4,384.47	4,143.03	4,000.36	142.67	29.039		
11,500.00	7,730.00	5,450.00	5,450.00	74.56	94.16	-21.26	-4,237.38	4,384.47	4,062.08	3,920.52	141.57	28.694		
11,600.00	7,730.00	5,450.00	5,450.00	74.66	94.16	-21.26	-4,237.38	4,384.47	3,982.01	3,841.59	140.42	28.357		
11,700.00	7,730.00	5,450.00	5,450.00	74.79	94.16	-21.26	-4,237.38	4,384.47	3,902.85	3,763.61	139.24	28.030		
11,800.00	7,730.00	5,450.00	5,450.00	74.96	94.16	-21.26	-4,237.38	4,384.47	3,824.67	3,686.65	138.02	27.711		
11,900.00	7,730.00	5,450.00	5,450.00	75.17	94.16	-21.26	-4,237.38	4,384.47	3,747.52	3,610.77	136.76	27.402		
12,000.00	7,730.00	5,450.00	5,450.00	75.43	94.16	-21.26	-4,237.38	4,384.47	3,671.48	3,536.02	135.46	27.103		
12,100.00	7,730.00	5,450.00	5,450.00	75.73	94.16	-21.26	-4,237.38	4,384.47	3,596.62	3,462.48	134.13	26.814		
12,200.00	7,730.00	5,450.00	5,450.00	76.09	94.16	-21.26	-4,237.38	4,384.47	3,523.00	3,390.23	132.76	26.536		
12,300.00	7,730.00	5,450.00	5,450.00	76.51	94.16	-21.26	-4,237.38	4,384.47	3,450.70	3,319.34	131.37	26.268		
12,400.00	7,730.00	5,450.00	5,450.00	76.97	94.16	-21.26	-4,237.38	4,384.47	3,379.82	3,249.88	129.94	26.010		
12,500.00	7,730.00	5,450.00	5,450.00	77.50	94.16	-21.26	-4,237.38	4,384.47	3,310.45	3,181.95	128.49	25.764		
12,600.00	7,730.00	5,450.00	5,450.00	78.09	94.16	-21.26	-4,237.38	4,384.47	3,242.67	3,115.64	127.03	25.528		
12,700.00	7,730.00	5,450.00	5,450.00	78.74	94.16	-21.26	-4,237.38	4,384.47	3,176.60	3,051.05	125.55	25.302		
12,800.00	7,730.00	5,450.00	5,450.00	79.45	94.16	-21.26	-4,237.38	4,384.47	3,112.33	2,988.27	124.06	25.087		
12,900.00	7,730.00	5,450.00	5,450.00	80.22	94.16	-21.26	-4,237.38	4,384.47	3,049.99	2,927.41	122.58	24.881		
13,000.00	7,730.00	5,450.00	5,450.00	81.05	94.16	-21.26	-4,237.38	4,384.47	2,989.70	2,868.59	121.12	24.685		
13,100.00	7,730.00	5,450.00	5,450.00	81.94	94.16	-21.26	-4,237.38	4,384.47	2,931.58	2,811.91	119.67	24.496		
13,200.00	7,730.00	5,450.00	5,450.00	82.87	94.16	-21.26	-4,237.38	4,384.47	2,875.76	2,757.49	118.27	24.315		
13,300.00	7,730.00	5,450.00	5,450.00	83.86	94.16	-21.26	-4,237.38	4,384.47	2,822.39	2,705.47	116.92	24.140		
13,400.00	7,730.00	5,450.00	5,450.00	84.90	94.16	-21.26	-4,237.38	4,384.47	2,771.59	2,655.96	115.63	23.969		
13,500.00	7,730.00	5,450.00	5,450.00	85.97	94.16	-21.26	-4,237.38	4,384.47	2,723.52	2,609.10	114.43	23.802		
13,600.00	7,730.00	5,450.00	5,450.00	87.09	94.16	-21.26	-4,237.38	4,384.47	2,678.33	2,565.01	113.32	23.635		
13,700.00	7,730.00	5,450.00	5,450.00	88.25	94.16	-21.26	-4,237.38	4,384.47	2,636.15	2,523.82	112.33	23.468		
13,800.00	7,730.00	5,450.00	5,450.00	89.44	94.16	-21.26	-4,237.38	4,384.47	2,597.14	2,485.66	111.48	23.297		
13,900.00	7,730.00	5,450.00	5,450.00	90.66	94.16	-21.26	-4,237.38	4,384.47	2,561.44	2,450.66	110.78	23.121		
14,000.00	7,730.00	5,450.00	5,450.00	91.92	94.16	-21.26	-4,237.38	4,384.47	2,529.20	2,418.92	110.27	22.936		
14,100.00	7,730.00	5,450.00	5,450.00	93.20	94.16	-21.26	-4,237.38	4,384.47	2,500.54	2,390.57	109.97	22.738		
14,200.00	7,730.00	5,450.00	5,450.00	94.50	94.16	-21.26	-4,237.38	4,384.47	2,475.59	2,365.69	109.90	22.525		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	5,450.00	5,450.00	95.83	94.16	-21.26	-4,237.38	4,384.47	2,454.46	2,344.37	110.10	22.293		
14,400.00	7,730.00	5,450.00	5,450.00	97.17	94.16	-21.26	-4,237.38	4,384.47	2,437.26	2,326.68	110.59	22.040		
14,500.00	7,730.00	5,450.00	5,450.00	98.54	94.16	-21.26	-4,237.38	4,384.47	2,424.07	2,312.68	111.39	21.762		
14,600.00	7,730.00	5,450.00	5,450.00	99.92	94.16	-21.26	-4,237.38	4,384.47	2,414.94	2,302.41	112.53	21.460		
14,700.00	7,730.00	5,450.00	5,450.00	101.32	94.16	-21.26	-4,237.38	4,384.47	2,409.94	2,295.91	114.03	21.135		
14,770.74	7,730.00	5,450.00	5,450.00	102.33	94.16	-21.26	-4,237.38	4,384.47	2,408.90	2,293.61	115.29	20.893 CC		
14,800.00	7,730.00	5,450.00	5,450.00	102.74	94.16	-21.26	-4,237.38	4,384.47	2,409.08	2,293.21	115.87	20.791 ES		
14,900.00	7,730.00	5,450.00	5,450.00	104.17	94.16	-21.26	-4,237.38	4,384.47	2,412.37	2,294.33	118.04	20.437		
15,000.00	7,730.00	5,450.00	5,450.00	105.62	94.16	-21.26	-4,237.38	4,384.47	2,419.79	2,299.27	120.51	20.079		
15,100.00	7,730.00	5,450.00	5,450.00	107.07	94.16	-21.26	-4,237.38	4,384.47	2,431.30	2,308.06	123.24	19.728		
15,200.00	7,730.00	5,450.00	5,450.00	108.54	94.16	-21.26	-4,237.38	4,384.47	2,446.85	2,320.67	126.18	19.392		
15,300.00	7,730.00	5,450.00	5,450.00	110.02	94.16	-21.26	-4,237.38	4,384.47	2,466.36	2,337.10	129.26	19.080		
15,400.00	7,730.00	5,450.00	5,450.00	111.51	94.16	-21.26	-4,237.38	4,384.47	2,489.73	2,357.29	132.44	18.799		
15,500.00	7,730.00	5,450.00	5,450.00	113.01	94.16	-21.26	-4,237.38	4,384.47	2,516.87	2,381.20	135.67	18.552		
15,600.00	7,730.00	5,450.00	5,450.00	114.52	94.16	-21.26	-4,237.38	4,384.47	2,547.64	2,408.75	138.89	18.343		
15,700.00	7,730.00	5,450.00	5,450.00	116.04	94.16	-21.26	-4,237.38	4,384.47	2,581.92	2,439.86	142.07	18.174		
15,800.00	7,730.00	5,450.00	5,450.00	117.56	94.16	-21.26	-4,237.38	4,384.47	2,619.58	2,474.40	145.18	18.044		
15,900.00	7,730.00	5,450.00	5,450.00	119.09	94.16	-21.26	-4,237.38	4,384.47	2,660.46	2,512.27	148.19	17.954		
16,000.00	7,730.00	5,450.00	5,450.00	120.63	94.16	-21.26	-4,237.38	4,384.47	2,704.42	2,553.34	151.08	17.901		
16,100.00	7,730.00	5,450.00	5,450.00	122.18	94.16	-21.26	-4,237.38	4,384.47	2,751.32	2,597.47	153.84	17.884 SF		
16,200.00	7,730.00	5,450.00	5,450.00	123.73	94.16	-21.26	-4,237.38	4,384.47	2,801.00	2,644.53	156.47	17.901		
16,300.00	7,730.00	5,450.00	5,450.00	125.29	94.16	-21.26	-4,237.38	4,384.47	2,853.32	2,694.37	158.95	17.951		
16,400.00	7,730.00	5,450.00	5,450.00	126.86	94.16	-21.26	-4,237.38	4,384.47	2,908.14	2,746.85	161.29	18.031		
16,500.00	7,730.00	5,450.00	5,450.00	128.43	94.16	-21.26	-4,237.38	4,384.47	2,965.32	2,801.84	163.48	18.138		
16,600.00	7,730.00	5,450.00	5,450.00	130.01	94.16	-21.26	-4,237.38	4,384.47	3,024.73	2,859.19	165.54	18.272		
16,700.00	7,730.00	5,450.00	5,450.00	131.59	94.16	-21.26	-4,237.38	4,384.47	3,086.24	2,918.78	167.46	18.430		
16,800.00	7,730.00	5,450.00	5,450.00	133.18	94.16	-21.26	-4,237.38	4,384.47	3,149.72	2,980.47	169.25	18.610		
16,900.00	7,730.00	5,450.00	5,450.00	134.77	94.16	-21.26	-4,237.38	4,384.47	3,215.05	3,044.14	170.91	18.812		
17,000.00	7,730.00	5,450.00	5,450.00	136.37	94.16	-21.26	-4,237.38	4,384.47	3,282.14	3,109.68	172.45	19.032		
17,100.00	7,730.00	5,450.00	5,450.00	137.97	94.16	-21.26	-4,237.38	4,384.47	3,350.86	3,176.97	173.89	19.270		
17,200.00	7,730.00	5,450.00	5,450.00	139.57	94.16	-21.26	-4,237.38	4,384.47	3,421.13	3,245.91	175.22	19.525		
17,300.00	7,730.00	5,450.00	5,450.00	141.18	94.16	-21.26	-4,237.38	4,384.47	3,492.85	3,316.40	176.45	19.795		
17,400.00	7,730.00	5,450.00	5,450.00	142.79	94.16	-21.26	-4,237.38	4,384.47	3,565.93	3,388.34	177.59	20.080		
17,500.00	7,730.00	5,450.00	5,450.00	144.41	94.16	-21.26	-4,237.38	4,384.47	3,640.29	3,461.64	178.64	20.377		
17,600.00	7,730.00	5,450.00	5,450.00	146.03	94.16	-21.26	-4,237.38	4,384.47	3,715.85	3,536.23	179.62	20.687		
17,700.00	7,730.00	5,450.00	5,450.00	147.65	94.16	-21.26	-4,237.38	4,384.47	3,792.54	3,612.02	180.52	21.009		
17,800.00	7,730.00	5,450.00	5,450.00	149.28	94.16	-21.26	-4,237.38	4,384.47	3,870.30	3,688.95	181.36	21.341		
17,900.00	7,730.00	5,450.00	5,450.00	150.91	94.16	-21.26	-4,237.38	4,384.47	3,949.06	3,766.93	182.13	21.683		
18,000.00	7,730.00	5,450.00	5,450.00	152.54	94.16	-21.26	-4,237.38	4,384.47	4,028.76	3,845.92	182.84	22.034		
18,100.00	7,730.00	5,450.00	5,450.00	154.18	94.16	-21.26	-4,237.38	4,384.47	4,109.35	3,925.85	183.50	22.394		
18,200.00	7,730.00	5,450.00	5,450.00	155.82	94.16	-21.26	-4,237.38	4,384.47	4,190.78	4,006.67	184.11	22.762		
18,300.00	7,730.00	5,450.00	5,450.00	157.46	94.16	-21.26	-4,237.38	4,384.47	4,273.00	4,088.32	184.68	23.138		
18,400.00	7,730.00	5,450.00	5,450.00	159.11	94.16	-21.26	-4,237.38	4,384.47	4,355.96	4,170.75	185.20	23.520		
18,500.00	7,730.00	5,450.00	5,450.00	160.75	94.16	-21.26	-4,237.38	4,384.47	4,439.62	4,253.93	185.69	23.909		
18,600.00	7,730.00	5,450.00	5,450.00	162.40	94.16	-21.26	-4,237.38	4,384.47	4,523.94	4,337.81	186.13	24.305		
18,700.00	7,730.00	5,450.00	5,450.00	164.05	94.16	-21.26	-4,237.38	4,384.47	4,608.89	4,422.35	186.55	24.706		
18,800.00	7,730.00	5,450.00	5,450.00	165.71	94.16	-21.26	-4,237.38	4,384.47	4,694.44	4,507.51	186.93	25.113		
18,900.00	7,730.00	5,450.00	5,450.00	167.36	94.16	-21.26	-4,237.38	4,384.47	4,780.54	4,593.26	187.29	25.525		
18,942.39	7,730.00	5,450.00	5,450.00	168.07	94.16	-21.26	-4,237.38	4,384.47	4,817.21	4,629.77	187.43	25.701		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 4 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	141.74	-5,559.75	4,384.70	7,080.79					
100.00	100.00	66.00	66.00	0.13	0.52	141.74	-5,559.75	4,384.70	7,080.71	7,080.05	0.65	N/A		
200.00	200.00	166.00	166.00	0.49	1.94	141.74	-5,559.75	4,384.70	7,080.71	7,078.27	2.43	2,913.613		
300.00	300.00	266.00	266.00	0.85	3.68	141.74	-5,559.75	4,384.70	7,080.71	7,076.17	4.53	1,561.685		
400.00	400.00	366.00	366.00	1.21	5.43	141.74	-5,559.75	4,384.70	7,080.71	7,074.07	6.64	1,066.722		
500.00	500.00	466.00	466.00	1.57	7.17	141.74	-5,559.75	4,384.70	7,080.71	7,071.96	8.74	809.999		
600.00	600.00	566.00	566.00	1.93	8.92	141.74	-5,559.75	4,384.70	7,080.71	7,069.86	10.85	652.875		
700.00	700.00	666.00	666.00	2.29	10.66	141.74	-5,559.75	4,384.70	7,080.71	7,067.76	12.95	546.806		
800.00	800.00	766.00	766.00	2.64	12.41	141.74	-5,559.75	4,384.70	7,080.71	7,065.65	15.05	470.384		
900.00	899.98	865.98	865.98	3.00	14.15	82.17	-5,559.75	4,384.70	7,080.47	7,063.31	17.15	412.799		
1,000.00	999.84	965.84	965.84	3.35	15.90	82.23	-5,559.75	4,384.70	7,079.76	7,060.51	19.25	367.815		
1,100.00	1,099.45	1,065.45	1,065.45	3.71	17.64	82.32	-5,559.75	4,384.70	7,078.58	7,057.23	21.35	331.617		
1,200.00	1,198.70	1,164.70	1,164.70	4.08	19.37	82.45	-5,559.75	4,384.70	7,076.95	7,053.51	23.45	301.828		
1,300.00	1,297.47	1,263.47	1,263.47	4.47	21.09	82.61	-5,559.75	4,384.70	7,074.89	7,049.34	25.55	276.850		
1,400.00	1,395.62	1,361.62	1,361.62	4.87	22.80	82.81	-5,559.75	4,384.70	7,072.43	7,044.76	27.67	255.569		
1,500.00	1,493.06	1,459.06	1,459.06	5.31	24.51	83.05	-5,559.75	4,384.70	7,069.59	7,039.78	29.81	237.190		
1,600.00	1,589.64	1,555.64	1,555.64	5.77	26.19	83.31	-5,559.75	4,384.70	7,066.41	7,034.45	31.96	221.131		
1,700.00	1,685.27	1,651.27	1,651.27	6.28	27.86	83.61	-5,559.75	4,384.70	7,062.93	7,028.80	34.13	206.956		
1,800.00	1,779.82	1,745.82	1,745.82	6.83	29.51	83.93	-5,559.75	4,384.70	7,059.19	7,022.87	36.32	194.336		
1,900.00	1,873.17	1,839.17	1,839.17	7.43	31.14	84.28	-5,559.75	4,384.70	7,055.25	7,016.70	38.55	183.016		
2,000.00	1,965.21	1,931.21	1,931.21	8.08	32.75	84.65	-5,559.75	4,384.70	7,051.16	7,010.35	40.81	172.796		
2,100.00	2,055.84	2,021.84	2,021.84	8.79	34.33	85.04	-5,559.75	4,384.70	7,046.97	7,003.88	43.10	163.520		
2,200.00	2,144.94	2,110.94	2,110.94	9.56	35.88	85.46	-5,559.75	4,384.70	7,042.76	6,997.34	45.42	155.059		
2,300.00	2,232.39	2,201.61	2,198.39	10.39	37.47	85.88	-5,559.75	4,384.70	7,038.58	6,990.74	47.84	147.140		
2,400.00	2,318.11	2,284.11	2,284.11	11.30	38.91	86.32	-5,559.75	4,384.70	7,034.50	6,984.32	50.18	140.195		
2,504.60	2,405.78	2,371.78	2,371.78	12.31	40.44	86.79	-5,559.75	4,384.70	7,030.42	6,977.70	52.72	133.346		
2,600.00	2,484.79	2,450.79	2,450.79	13.28	41.81	87.15	-5,559.75	4,384.70	7,027.01	6,971.94	55.07	127.591		
2,700.00	2,567.60	2,533.60	2,533.60	14.32	43.26	87.53	-5,559.75	4,384.70	7,023.88	6,966.32	57.56	122.029		
2,800.00	2,650.41	2,616.41	2,616.41	15.37	44.71	87.91	-5,559.75	4,384.70	7,021.19	6,961.13	60.06	116.902		
2,900.00	2,733.23	2,700.77	2,699.23	16.44	46.18	88.29	-5,559.75	4,384.70	7,018.95	6,956.34	62.60	112.120		
3,000.00	2,816.04	2,782.04	2,782.04	17.52	47.60	88.67	-5,559.75	4,384.70	7,017.15	6,952.05	65.10	107.789		
3,100.00	2,898.85	2,864.85	2,864.85	18.60	49.04	89.05	-5,559.75	4,384.70	7,015.80	6,948.17	67.63	103.731		
3,200.00	2,981.67	2,947.67	2,947.67	19.69	50.49	89.43	-5,559.75	4,384.70	7,014.90	6,944.73	70.18	99.963		
3,300.00	3,064.48	3,030.48	3,030.48	20.79	51.93	89.81	-5,559.75	4,384.70	7,014.45	6,941.73	72.72	96.456		
3,351.04	3,106.75	3,072.75	3,072.75	21.36	52.67	90.00	-5,559.75	4,384.70	7,014.39	6,940.37	74.02	94.759		
3,400.00	3,147.30	3,113.30	3,113.30	21.90	53.38	90.19	-5,559.75	4,384.70	7,014.45	6,939.17	75.27	93.187		
3,500.00	3,230.11	3,203.89	3,196.11	23.00	54.96	90.56	-5,559.75	4,384.70	7,014.89	6,936.93	77.96	89.977		
3,600.00	3,312.92	3,278.92	3,278.92	24.12	56.27	90.94	-5,559.75	4,384.70	7,015.78	6,935.40	80.38	87.278		
3,700.00	3,395.74	3,361.74	3,361.74	25.23	57.71	91.32	-5,559.75	4,384.70	7,017.12	6,934.18	82.94	84.601		
3,800.00	3,478.55	3,444.55	3,444.55	26.35	59.16	91.70	-5,559.75	4,384.70	7,018.90	6,933.40	85.50	82.088		
3,900.00	3,561.36	3,527.36	3,527.36	27.47	60.60	92.08	-5,559.75	4,384.70	7,021.14	6,933.07	88.07	79.726		
4,000.00	3,644.18	3,610.18	3,610.18	28.59	62.05	92.46	-5,559.75	4,384.70	7,023.82	6,933.19	90.63	77.501		
4,100.00	3,726.99	3,707.01	3,692.99	29.72	63.74	92.84	-5,559.75	4,384.70	7,026.94	6,933.51	93.44	75.207		
4,200.00	3,809.81	3,775.81	3,775.81	30.85	64.94	93.22	-5,559.75	4,384.70	7,030.52	6,934.76	95.75	73.424		
4,300.00	3,892.62	3,858.62	3,858.62	31.98	66.39	93.59	-5,559.75	4,384.70	7,034.53	6,936.22	98.31	71.552		
4,400.00	3,975.43	3,941.43	3,941.43	33.11	67.83	93.97	-5,559.75	4,384.70	7,038.99	6,938.12	100.87	69.781		
4,500.00	4,058.25	4,024.25	4,024.25	34.24	69.28	94.35	-5,559.75	4,384.70	7,043.90	6,940.46	103.43	68.102		
4,600.00	4,141.06	4,107.06	4,107.06	35.37	70.72	94.72	-5,559.75	4,384.70	7,049.24	6,943.25	105.99	66.510		
4,700.00	4,223.87	4,189.87	4,189.87	36.50	72.17	95.10	-5,559.75	4,384.70	7,055.03	6,946.49	108.54	64.998		
4,800.00	4,306.69	4,272.69	4,272.69	37.64	73.61	95.48	-5,559.75	4,384.70	7,061.26	6,950.16	111.10	63.560		
4,900.00	4,389.50	4,355.50	4,355.50	38.77	75.06	95.85	-5,559.75	4,384.70	7,067.92	6,954.28	113.65	62.193		
5,000.00	4,472.32	4,438.32	4,438.32	39.91	76.50	96.23	-5,559.75	4,384.70	7,075.03	6,958.83	116.19	60.891		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 4 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,555.13	4,521.13	4,521.13	41.05	77.95	96.60	-5,559.75	4,384.70	7,082.57	6,963.83	118.74	59.649		
5,200.00	4,637.94	4,603.94	4,603.94	42.18	79.39	96.98	-5,559.75	4,384.70	7,090.54	6,969.27	121.28	58.465		
5,300.00	4,720.76	4,686.76	4,686.76	43.32	80.84	97.35	-5,559.75	4,384.70	7,098.95	6,975.14	123.82	57.335		
5,400.00	4,803.57	4,769.57	4,769.57	44.46	82.28	97.72	-5,559.75	4,384.70	7,107.79	6,981.44	126.35	56.255		
5,500.00	4,886.39	4,852.39	4,852.39	45.60	83.73	98.09	-5,559.75	4,384.70	7,117.07	6,988.19	128.88	55.222		
5,600.00	4,969.20	4,935.20	4,935.20	46.74	85.18	98.47	-5,559.75	4,384.70	7,126.77	6,995.36	131.41	54.234		
5,700.00	5,052.01	5,018.01	5,018.01	47.88	86.62	98.84	-5,559.75	4,384.70	7,136.89	7,002.97	133.93	53.289		
5,800.00	5,134.83	5,100.83	5,100.83	49.02	88.07	99.21	-5,559.75	4,384.70	7,147.45	7,011.00	136.45	52.383		
5,900.00	5,217.64	5,183.64	5,183.64	50.16	89.51	99.57	-5,559.75	4,384.70	7,158.42	7,019.46	138.96	51.514		
6,000.00	5,300.45	5,266.45	5,266.45	51.30	90.96	99.94	-5,559.75	4,384.70	7,169.82	7,028.35	141.47	50.681		
6,100.00	5,383.27	5,349.27	5,349.27	52.45	92.40	100.31	-5,559.75	4,384.70	7,181.64	7,037.67	143.97	49.881		
6,200.00	5,466.08	5,432.08	5,432.08	53.59	93.85	100.68	-5,559.75	4,384.70	7,193.87	7,047.40	146.47	49.114		
6,300.00	5,548.90	5,450.00	5,450.00	54.73	94.16	100.76	-5,559.75	4,384.70	7,206.82	7,059.00	147.82	48.755		
6,400.00	5,631.71	5,450.00	5,450.00	55.87	94.16	100.76	-5,559.75	4,384.70	7,221.10	7,072.28	148.82	48.523		
6,500.00	5,714.52	5,450.00	5,450.00	57.02	94.16	100.76	-5,559.75	4,384.70	7,236.73	7,086.94	149.79	48.311		
6,600.00	5,797.34	5,450.00	5,450.00	58.16	94.16	100.76	-5,559.75	4,384.70	7,253.71	7,102.97	150.74	48.119		
6,700.00	5,880.15	5,450.00	5,450.00	59.30	94.16	100.76	-5,559.75	4,384.70	7,272.03	7,120.36	151.67	47.947		
6,800.00	5,962.96	5,450.00	5,450.00	60.45	94.16	100.76	-5,559.75	4,384.70	7,291.67	7,139.10	152.57	47.793		
6,900.00	6,045.78	5,450.00	5,450.00	61.59	94.16	100.76	-5,559.75	4,384.70	7,312.63	7,159.19	153.44	47.658		
7,000.00	6,128.59	5,450.00	5,450.00	62.73	94.16	100.76	-5,559.75	4,384.70	7,334.89	7,180.60	154.29	47.541		
7,100.00	6,211.41	5,450.00	5,450.00	63.88	94.16	100.76	-5,559.75	4,384.70	7,358.44	7,203.33	155.11	47.441		
7,200.00	6,294.22	5,450.00	5,450.00	65.02	94.16	100.76	-5,559.75	4,384.70	7,383.27	7,227.37	155.90	47.359		
7,300.00	6,377.03	5,450.00	5,450.00	66.17	94.16	100.76	-5,559.75	4,384.70	7,409.37	7,252.70	156.67	47.294		
7,400.00	6,459.85	5,450.00	5,450.00	67.31	94.16	100.76	-5,559.75	4,384.70	7,436.72	7,279.31	157.41	47.244		
7,500.00	6,542.66	5,450.00	5,450.00	68.46	94.16	100.76	-5,559.75	4,384.70	7,465.31	7,307.18	158.13	47.211		
7,600.00	6,625.48	5,450.00	5,450.00	69.60	94.16	100.76	-5,559.75	4,384.70	7,495.13	7,336.31	158.82	47.194		
7,700.00	6,708.29	5,450.00	5,450.00	70.75	94.16	100.76	-5,559.75	4,384.70	7,526.15	7,366.67	159.48	47.191		
7,800.00	6,791.10	5,450.00	5,450.00	71.89	94.16	100.76	-5,559.75	4,384.70	7,558.37	7,398.25	160.12	47.204		
7,900.00	6,873.92	5,450.00	5,450.00	73.04	94.16	100.76	-5,559.75	4,384.70	7,591.78	7,431.04	160.74	47.230		
8,000.00	6,956.73	5,450.00	5,450.00	74.18	94.16	100.76	-5,559.75	4,384.70	7,626.34	7,465.01	161.33	47.271		
8,100.00	7,039.54	5,450.00	5,450.00	75.33	94.16	100.76	-5,559.75	4,384.70	7,662.06	7,500.16	161.90	47.326		
8,165.32	7,093.63	5,450.00	5,450.00	76.08	94.16	100.76	-5,559.75	4,384.70	7,686.00	7,523.74	162.26	47.369		
8,200.00	7,122.60	5,450.00	5,450.00	76.47	94.16	96.27	-5,559.75	4,384.70	7,697.96	7,535.52	162.44	47.389		
8,250.00	7,165.05	5,450.00	5,450.00	77.01	94.16	88.99	-5,559.75	4,384.70	7,712.07	7,549.37	162.70	47.402		
8,300.00	7,208.03	5,450.00	5,450.00	77.52	94.16	80.96	-5,559.75	4,384.70	7,722.38	7,559.45	162.93	47.397		
8,350.00	7,251.22	5,450.00	5,450.00	77.99	94.16	72.56	-5,559.75	4,384.70	7,728.85	7,565.70	163.14	47.374		
8,400.00	7,294.28	5,450.00	5,450.00	78.41	94.16	64.22	-5,559.75	4,384.70	7,731.42	7,568.09	163.33	47.336		
8,450.00	7,336.90	5,450.00	5,450.00	78.78	94.16	56.35	-5,559.75	4,384.70	7,730.09	7,566.61	163.48	47.283		
8,500.00	7,378.73	5,450.00	5,450.00	79.10	94.16	49.19	-5,559.75	4,384.70	7,724.86	7,561.26	163.61	47.216		
8,550.00	7,419.47	5,450.00	5,450.00	79.37	94.16	42.85	-5,559.75	4,384.70	7,715.77	7,552.08	163.69	47.136		
8,600.00	7,458.81	5,450.00	5,450.00	79.59	94.16	37.30	-5,559.75	4,384.70	7,702.87	7,539.12	163.75	47.042		
8,650.00	7,496.44	5,450.00	5,450.00	79.76	94.16	32.46	-5,559.75	4,384.70	7,686.23	7,522.47	163.77	46.934		
8,700.00	7,532.08	5,450.00	5,450.00	79.88	94.16	28.21	-5,559.75	4,384.70	7,665.97	7,502.22	163.75	46.814		
8,750.00	7,565.46	5,450.00	5,450.00	79.95	94.16	24.41	-5,559.75	4,384.70	7,642.21	7,478.50	163.71	46.682		
8,800.00	7,596.33	5,450.00	5,450.00	79.98	94.16	20.94	-5,559.75	4,384.70	7,615.10	7,451.46	163.64	46.536		
8,850.00	7,624.44	5,450.00	5,450.00	79.97	94.16	17.68	-5,559.75	4,384.70	7,584.80	7,421.26	163.54	46.379		
8,900.00	7,649.59	5,450.00	5,450.00	79.93	94.16	14.48	-5,559.75	4,384.70	7,551.52	7,388.09	163.42	46.209		
8,950.00	7,671.59	5,450.00	5,450.00	79.84	94.16	11.22	-5,559.75	4,384.70	7,515.46	7,352.18	163.28	46.027		
9,000.00	7,690.26	5,450.00	5,450.00	79.73	94.16	7.71	-5,559.75	4,384.70	7,476.87	7,313.74	163.13	45.833		
9,050.00	7,705.47	5,450.00	5,450.00	79.59	94.16	3.72	-5,559.75	4,384.70	7,436.00	7,273.04	162.97	45.629		
9,100.00	7,717.09	5,450.00	5,450.00	79.43	94.16	-1.05	-5,559.75	4,384.70	7,393.13	7,230.33	162.80	45.414		
9,150.00	7,725.04	5,450.00	5,450.00	79.26	94.16	-7.07	-5,559.75	4,384.70	7,348.55	7,185.93	162.62	45.188		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 4 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	5,450.00	5,450.00	79.06	94.16	-15.03	-5,559.75	4,384.70	7,302.57	7,140.12	162.45	44.953		
9,231.13	7,730.00	5,450.00	5,450.00	78.93	94.16	-21.35	-5,559.75	4,384.70	7,273.38	7,111.04	162.34	44.803		
9,300.00	7,730.00	5,450.00	5,450.00	78.65	94.16	-21.35	-5,559.75	4,384.70	7,208.44	7,046.34	162.11	44.467		
9,400.00	7,730.00	5,450.00	5,450.00	78.26	94.16	-21.35	-5,559.75	4,384.70	7,114.28	6,952.53	161.76	43.981		
9,500.00	7,730.00	5,450.00	5,450.00	77.89	94.16	-21.35	-5,559.75	4,384.70	7,020.29	6,858.89	161.40	43.497		
9,600.00	7,730.00	5,450.00	5,450.00	77.53	94.16	-21.35	-5,559.75	4,384.70	6,926.46	6,765.43	161.03	43.014		
9,700.00	7,730.00	5,450.00	5,450.00	77.19	94.16	-21.35	-5,559.75	4,384.70	6,832.80	6,672.15	160.65	42.533		
9,800.00	7,730.00	5,450.00	5,450.00	76.88	94.16	-21.35	-5,559.75	4,384.70	6,739.33	6,579.07	160.26	42.053		
9,900.00	7,730.00	5,450.00	5,450.00	76.58	94.16	-21.35	-5,559.75	4,384.70	6,646.05	6,486.19	159.86	41.575		
10,000.00	7,730.00	5,450.00	5,450.00	76.30	94.16	-21.35	-5,559.75	4,384.70	6,552.96	6,393.52	159.44	41.099		
10,100.00	7,730.00	5,450.00	5,450.00	76.04	94.16	-21.35	-5,559.75	4,384.70	6,460.09	6,301.07	159.02	40.625		
10,200.00	7,730.00	5,450.00	5,450.00	75.79	94.16	-21.35	-5,559.75	4,384.70	6,367.42	6,208.84	158.58	40.152		
10,300.00	7,730.00	5,450.00	5,450.00	75.57	94.16	-21.35	-5,559.75	4,384.70	6,274.99	6,116.86	158.13	39.682		
10,400.00	7,730.00	5,450.00	5,450.00	75.36	94.16	-21.35	-5,559.75	4,384.70	6,182.79	6,025.12	157.67	39.214		
10,500.00	7,730.00	5,450.00	5,450.00	75.18	94.16	-21.35	-5,559.75	4,384.70	6,090.83	5,933.64	157.19	38.748		
10,600.00	7,730.00	5,450.00	5,450.00	75.01	94.16	-21.35	-5,559.75	4,384.70	5,999.14	5,842.44	156.70	38.285		
10,700.00	7,730.00	5,450.00	5,450.00	74.86	94.16	-21.35	-5,559.75	4,384.70	5,907.71	5,751.52	156.19	37.823		
10,800.00	7,730.00	5,450.00	5,450.00	74.74	94.16	-21.35	-5,559.75	4,384.70	5,816.56	5,660.89	155.67	37.365		
10,900.00	7,730.00	5,450.00	5,450.00	74.64	94.16	-21.35	-5,559.75	4,384.70	5,725.71	5,570.58	155.13	36.909		
11,000.00	7,730.00	5,450.00	5,450.00	74.56	94.16	-21.35	-5,559.75	4,384.70	5,635.17	5,480.60	154.57	36.456		
11,100.00	7,730.00	5,450.00	5,450.00	74.51	94.16	-21.35	-5,559.75	4,384.70	5,544.95	5,390.95	154.00	36.006		
11,200.00	7,730.00	5,450.00	5,450.00	74.48	94.16	-21.35	-5,559.75	4,384.70	5,455.08	5,301.67	153.41	35.559		
11,300.00	7,730.00	5,450.00	5,450.00	74.48	94.16	-21.35	-5,559.75	4,384.70	5,365.56	5,212.76	152.80	35.115		
11,400.00	7,730.00	5,450.00	5,450.00	74.50	94.16	-21.35	-5,559.75	4,384.70	5,276.43	5,124.25	152.17	34.674		
11,500.00	7,730.00	5,450.00	5,450.00	74.56	94.16	-21.35	-5,559.75	4,384.70	5,187.68	5,036.16	151.52	34.237		
11,600.00	7,730.00	5,450.00	5,450.00	74.66	94.16	-21.35	-5,559.75	4,384.70	5,099.36	4,948.50	150.86	33.803		
11,700.00	7,730.00	5,450.00	5,450.00	74.79	94.16	-21.35	-5,559.75	4,384.70	5,011.47	4,861.30	150.17	33.373		
11,800.00	7,730.00	5,450.00	5,450.00	74.96	94.16	-21.35	-5,559.75	4,384.70	4,924.04	4,774.59	149.45	32.947		
11,900.00	7,730.00	5,450.00	5,450.00	75.17	94.16	-21.35	-5,559.75	4,384.70	4,837.10	4,688.38	148.72	32.525		
12,000.00	7,730.00	5,450.00	5,450.00	75.43	94.16	-21.35	-5,559.75	4,384.70	4,750.68	4,602.72	147.96	32.107		
12,100.00	7,730.00	5,450.00	5,450.00	75.73	94.16	-21.35	-5,559.75	4,384.70	4,664.80	4,517.61	147.18	31.694		
12,200.00	7,730.00	5,450.00	5,450.00	76.09	94.16	-21.35	-5,559.75	4,384.70	4,579.49	4,433.11	146.38	31.285		
12,300.00	7,730.00	5,450.00	5,450.00	76.51	94.16	-21.35	-5,559.75	4,384.70	4,494.79	4,349.23	145.55	30.880		
12,400.00	7,730.00	5,450.00	5,450.00	76.97	94.16	-21.35	-5,559.75	4,384.70	4,410.72	4,266.02	144.70	30.481		
12,500.00	7,730.00	5,450.00	5,450.00	77.50	94.16	-21.35	-5,559.75	4,384.70	4,327.34	4,183.51	143.83	30.087		
12,600.00	7,730.00	5,450.00	5,450.00	78.09	94.16	-21.35	-5,559.75	4,384.70	4,244.67	4,101.74	142.93	29.698		
12,700.00	7,730.00	5,450.00	5,450.00	78.74	94.16	-21.35	-5,559.75	4,384.70	4,162.77	4,020.76	142.01	29.314		
12,800.00	7,730.00	5,450.00	5,450.00	79.45	94.16	-21.35	-5,559.75	4,384.70	4,081.67	3,940.60	141.06	28.935		
12,900.00	7,730.00	5,450.00	5,450.00	80.22	94.16	-21.35	-5,559.75	4,384.70	4,001.42	3,861.33	140.09	28.562		
13,000.00	7,730.00	5,450.00	5,450.00	81.05	94.16	-21.35	-5,559.75	4,384.70	3,922.09	3,782.98	139.11	28.195		
13,100.00	7,730.00	5,450.00	5,450.00	81.94	94.16	-21.35	-5,559.75	4,384.70	3,843.71	3,705.62	138.10	27.833		
13,200.00	7,730.00	5,450.00	5,450.00	82.87	94.16	-21.35	-5,559.75	4,384.70	3,766.37	3,629.30	137.07	27.478		
13,300.00	7,730.00	5,450.00	5,450.00	83.86	94.16	-21.35	-5,559.75	4,384.70	3,690.11	3,554.08	136.03	27.128		
13,400.00	7,730.00	5,450.00	5,450.00	84.90	94.16	-21.35	-5,559.75	4,384.70	3,615.01	3,480.04	134.97	26.783		
13,500.00	7,730.00	5,450.00	5,450.00	85.97	94.16	-21.35	-5,559.75	4,384.70	3,541.14	3,407.23	133.91	26.445		
13,600.00	7,730.00	5,450.00	5,450.00	87.09	94.16	-21.35	-5,559.75	4,384.70	3,468.58	3,335.75	132.83	26.112		
13,700.00	7,730.00	5,450.00	5,450.00	88.25	94.16	-21.35	-5,559.75	4,384.70	3,397.42	3,265.66	131.76	25.785		
13,800.00	7,730.00	5,450.00	5,450.00	89.44	94.16	-21.35	-5,559.75	4,384.70	3,327.73	3,197.05	130.69	25.463		
13,900.00	7,730.00	5,450.00	5,450.00	90.66	94.16	-21.35	-5,559.75	4,384.70	3,259.63	3,130.01	129.62	25.147		
14,000.00	7,730.00	5,450.00	5,450.00	91.92	94.16	-21.35	-5,559.75	4,384.70	3,193.21	3,064.63	128.57	24.835		
14,100.00	7,730.00	5,450.00	5,450.00	93.20	94.16	-21.35	-5,559.75	4,384.70	3,128.57	3,001.02	127.55	24.529		
14,200.00	7,730.00	5,450.00	5,450.00	94.50	94.16	-21.35	-5,559.75	4,384.70	3,065.83	2,939.29	126.55	24.227		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 4 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	5,450.00	5,450.00	95.83	94.16	-21.35	-5,559.75	4,384.70	3,005.11	2,879.53	125.58	23.929		
14,400.00	7,730.00	5,450.00	5,450.00	97.17	94.16	-21.35	-5,559.75	4,384.70	2,946.54	2,821.88	124.66	23.636		
14,500.00	7,730.00	5,450.00	5,450.00	98.54	94.16	-21.35	-5,559.75	4,384.70	2,890.24	2,766.44	123.79	23.347		
14,600.00	7,730.00	5,450.00	5,450.00	99.92	94.16	-21.35	-5,559.75	4,384.70	2,836.35	2,713.36	122.99	23.062		
14,700.00	7,730.00	5,450.00	5,450.00	101.32	94.16	-21.35	-5,559.75	4,384.70	2,785.00	2,662.75	122.25	22.781		
14,800.00	7,730.00	5,450.00	5,450.00	102.74	94.16	-21.35	-5,559.75	4,384.70	2,736.35	2,614.75	121.60	22.503		
14,900.00	7,730.00	5,450.00	5,450.00	104.17	94.16	-21.35	-5,559.75	4,384.70	2,690.54	2,569.50	121.04	22.229		
15,000.00	7,730.00	5,450.00	5,450.00	105.62	94.16	-21.35	-5,559.75	4,384.70	2,647.71	2,527.13	120.58	21.958		
15,100.00	7,730.00	5,450.00	5,450.00	107.07	94.16	-21.35	-5,559.75	4,384.70	2,608.02	2,487.78	120.24	21.691		
15,200.00	7,730.00	5,450.00	5,450.00	108.54	94.16	-21.35	-5,559.75	4,384.70	2,571.60	2,451.58	120.03	21.425		
15,300.00	7,730.00	5,450.00	5,450.00	110.02	94.16	-21.35	-5,559.75	4,384.70	2,538.61	2,418.64	119.97	21.161		
15,400.00	7,730.00	5,450.00	5,450.00	111.51	94.16	-21.35	-5,559.75	4,384.70	2,509.16	2,389.09	120.08	20.896		
15,500.00	7,730.00	5,450.00	5,450.00	113.01	94.16	-21.35	-5,559.75	4,384.70	2,483.40	2,363.02	120.38	20.630		
15,600.00	7,730.00	5,450.00	5,450.00	114.52	94.16	-21.35	-5,559.75	4,384.70	2,461.44	2,340.54	120.90	20.360		
15,700.00	7,730.00	5,450.00	5,450.00	116.04	94.16	-21.35	-5,559.75	4,384.70	2,443.37	2,321.71	121.66	20.084		
15,800.00	7,730.00	5,450.00	5,450.00	117.56	94.16	-21.35	-5,559.75	4,384.70	2,429.29	2,306.60	122.68	19.801		
15,900.00	7,730.00	5,450.00	5,450.00	119.09	94.16	-21.35	-5,559.75	4,384.70	2,419.26	2,295.26	124.00	19.511		
16,000.00	7,730.00	5,450.00	5,450.00	120.63	94.16	-21.35	-5,559.75	4,384.70	2,413.34	2,287.73	125.61	19.213		
16,093.10	7,730.00	5,450.00	5,450.00	122.07	94.16	-21.35	-5,559.75	4,384.70	2,411.54	2,284.15	127.39	18.931 CC		
16,100.00	7,730.00	5,450.00	5,450.00	122.18	94.16	-21.35	-5,559.75	4,384.70	2,411.55	2,284.02	127.53	18.910 ES		
16,200.00	7,730.00	5,450.00	5,450.00	123.73	94.16	-21.35	-5,559.75	4,384.70	2,413.91	2,284.17	129.74	18.606		
16,300.00	7,730.00	5,450.00	5,450.00	125.29	94.16	-21.35	-5,559.75	4,384.70	2,420.40	2,288.19	132.21	18.307		
16,400.00	7,730.00	5,450.00	5,450.00	126.86	94.16	-21.35	-5,559.75	4,384.70	2,430.99	2,296.08	134.91	18.020		
16,500.00	7,730.00	5,450.00	5,450.00	128.43	94.16	-21.35	-5,559.75	4,384.70	2,445.63	2,307.84	137.79	17.749		
16,600.00	7,730.00	5,450.00	5,450.00	130.01	94.16	-21.35	-5,559.75	4,384.70	2,464.24	2,323.44	140.80	17.502		
16,700.00	7,730.00	5,450.00	5,450.00	131.59	94.16	-21.35	-5,559.75	4,384.70	2,486.74	2,342.85	143.88	17.283		
16,800.00	7,730.00	5,450.00	5,450.00	133.18	94.16	-21.35	-5,559.75	4,384.70	2,513.01	2,366.02	146.99	17.096		
16,900.00	7,730.00	5,450.00	5,450.00	134.77	94.16	-21.35	-5,559.75	4,384.70	2,542.95	2,392.86	150.09	16.943		
17,000.00	7,730.00	5,450.00	5,450.00	136.37	94.16	-21.35	-5,559.75	4,384.70	2,576.43	2,423.30	153.13	16.825		
17,100.00	7,730.00	5,450.00	5,450.00	137.97	94.16	-21.35	-5,559.75	4,384.70	2,613.31	2,457.22	156.09	16.742		
17,200.00	7,730.00	5,450.00	5,450.00	139.57	94.16	-21.35	-5,559.75	4,384.70	2,653.44	2,494.50	158.95	16.694		
17,300.00	7,730.00	5,450.00	5,450.00	141.18	94.16	-21.35	-5,559.75	4,384.70	2,696.69	2,535.02	161.67	16.680 SF		
17,400.00	7,730.00	5,450.00	5,450.00	142.79	94.16	-21.35	-5,559.75	4,384.70	2,742.90	2,578.64	164.27	16.698		
17,500.00	7,730.00	5,450.00	5,450.00	144.41	94.16	-21.35	-5,559.75	4,384.70	2,791.94	2,625.22	166.72	16.747		
17,600.00	7,730.00	5,450.00	5,450.00	146.03	94.16	-21.35	-5,559.75	4,384.70	2,843.64	2,674.62	169.02	16.824		
17,700.00	7,730.00	5,450.00	5,450.00	147.65	94.16	-21.35	-5,559.75	4,384.70	2,897.87	2,726.70	171.18	16.929		
17,800.00	7,730.00	5,450.00	5,450.00	149.28	94.16	-21.35	-5,559.75	4,384.70	2,954.50	2,781.31	173.19	17.059		
17,900.00	7,730.00	5,450.00	5,450.00	150.91	94.16	-21.35	-5,559.75	4,384.70	3,013.37	2,838.32	175.06	17.214		
18,000.00	7,730.00	5,450.00	5,450.00	152.54	94.16	-21.35	-5,559.75	4,384.70	3,074.38	2,897.59	176.79	17.390		
18,100.00	7,730.00	5,450.00	5,450.00	154.18	94.16	-21.35	-5,559.75	4,384.70	3,137.39	2,958.99	178.40	17.587		
18,200.00	7,730.00	5,450.00	5,450.00	155.82	94.16	-21.35	-5,559.75	4,384.70	3,202.28	3,022.40	179.88	17.803		
18,300.00	7,730.00	5,450.00	5,450.00	157.46	94.16	-21.35	-5,559.75	4,384.70	3,268.94	3,087.70	181.24	18.036		
18,400.00	7,730.00	5,450.00	5,450.00	159.11	94.16	-21.35	-5,559.75	4,384.70	3,337.26	3,154.77	182.50	18.287		
18,500.00	7,730.00	5,450.00	5,450.00	160.75	94.16	-21.35	-5,559.75	4,384.70	3,407.16	3,223.51	183.65	18.553		
18,600.00	7,730.00	5,450.00	5,450.00	162.40	94.16	-21.35	-5,559.75	4,384.70	3,478.52	3,293.81	184.71	18.833		
18,700.00	7,730.00	5,450.00	5,450.00	164.05	94.16	-21.35	-5,559.75	4,384.70	3,551.26	3,365.58	185.68	19.126		
18,800.00	7,730.00	5,450.00	5,450.00	165.71	94.16	-21.35	-5,559.75	4,384.70	3,625.31	3,438.74	186.57	19.431		
18,900.00	7,730.00	5,450.00	5,450.00	167.36	94.16	-21.35	-5,559.75	4,384.70	3,700.57	3,513.19	187.38	19.749		
18,942.39	7,730.00	5,450.00	5,450.00	168.07	94.16	-21.35	-5,559.75	4,384.70	3,732.83	3,545.12	187.71	19.886		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	126.61	-4,237.11	5,703.51	7,105.42					
100.00	100.00	38.00	38.00	0.13	0.31	126.61	-4,237.11	5,703.51	7,105.15	7,104.71	0.44	N/A		
200.00	200.00	138.00	138.00	0.49	1.47	126.61	-4,237.11	5,703.51	7,105.15	7,103.19	1.96	3,626.969		
300.00	300.00	238.00	238.00	0.85	3.21	126.61	-4,237.11	5,703.51	7,105.15	7,101.08	4.06	1,748.840		
400.00	400.00	338.00	338.00	1.21	4.96	126.61	-4,237.11	5,703.51	7,105.15	7,098.98	6.17	1,152.202		
500.00	500.00	438.00	438.00	1.57	6.70	126.61	-4,237.11	5,703.51	7,105.15	7,096.88	8.27	859.108		
600.00	600.00	538.00	538.00	1.93	8.45	126.61	-4,237.11	5,703.51	7,105.15	7,094.77	10.37	684.888		
700.00	700.00	638.00	638.00	2.29	10.19	126.61	-4,237.11	5,703.51	7,105.15	7,092.67	12.48	569.415		
800.00	800.00	738.00	738.00	2.64	11.94	126.61	-4,237.11	5,703.51	7,105.15	7,090.56	14.58	487.262		
900.00	899.98	837.98	837.98	3.00	13.68	67.05	-4,237.11	5,703.51	7,104.47	7,087.78	16.68	425.902		
1,000.00	999.84	937.84	937.84	3.35	15.43	67.12	-4,237.11	5,703.51	7,102.42	7,083.65	18.78	378.265		
1,100.00	1,099.45	1,037.45	1,037.45	3.71	17.16	67.25	-4,237.11	5,703.51	7,099.03	7,078.16	20.87	340.112		
1,200.00	1,198.70	1,136.70	1,136.70	4.08	18.90	67.43	-4,237.11	5,703.51	7,094.31	7,071.34	22.97	308.835		
1,300.00	1,297.47	1,235.47	1,235.47	4.47	20.62	67.66	-4,237.11	5,703.51	7,088.27	7,063.19	25.07	282.688		
1,400.00	1,395.62	1,333.62	1,333.62	4.87	22.33	67.93	-4,237.11	5,703.51	7,080.94	7,053.76	27.19	260.469		
1,500.00	1,493.06	1,431.06	1,431.06	5.31	24.03	68.26	-4,237.11	5,703.51	7,072.36	7,043.05	29.31	241.320		
1,600.00	1,589.64	1,527.64	1,527.64	5.77	25.72	68.63	-4,237.11	5,703.51	7,062.56	7,031.12	31.44	224.617		
1,700.00	1,685.27	1,623.27	1,623.27	6.28	27.39	69.05	-4,237.11	5,703.51	7,051.59	7,018.00	33.60	209.893		
1,800.00	1,779.82	1,717.82	1,717.82	6.83	29.04	69.51	-4,237.11	5,703.51	7,039.50	7,003.73	35.77	196.797		
1,900.00	1,873.17	1,811.17	1,811.17	7.43	30.67	70.02	-4,237.11	5,703.51	7,026.34	6,988.37	37.97	185.056		
2,000.00	1,965.21	1,903.21	1,903.21	8.08	32.27	70.57	-4,237.11	5,703.51	7,012.17	6,971.97	40.19	174.458		
2,100.00	2,055.84	2,006.16	1,993.84	8.79	34.07	71.16	-4,237.11	5,703.51	6,997.06	6,954.39	42.66	164.004		
2,200.00	2,144.94	2,082.94	2,082.94	9.56	35.41	71.78	-4,237.11	5,703.51	6,981.07	6,936.34	44.74	156.053		
2,300.00	2,232.39	2,170.39	2,170.39	10.39	36.94	72.44	-4,237.11	5,703.51	6,964.29	6,917.23	47.05	148.003		
2,400.00	2,318.11	2,256.11	2,256.11	11.30	38.43	73.14	-4,237.11	5,703.51	6,946.78	6,897.37	49.41	140.597		
2,504.60	2,405.78	2,343.78	2,343.78	12.31	39.96	73.89	-4,237.11	5,703.51	6,927.79	6,875.88	51.91	133.457		
2,600.00	2,484.79	2,422.79	2,422.79	13.28	41.34	74.25	-4,237.11	5,703.51	6,910.37	6,856.14	54.22	127.447		
2,700.00	2,567.60	2,505.60	2,505.60	14.32	42.79	74.63	-4,237.11	5,703.51	6,892.50	6,835.83	56.67	121.630		
2,800.00	2,650.41	2,588.41	2,588.41	15.37	44.23	75.01	-4,237.11	5,703.51	6,875.04	6,815.91	59.13	116.261		
2,900.00	2,733.23	2,671.23	2,671.23	16.44	45.68	75.39	-4,237.11	5,703.51	6,858.00	6,796.38	61.62	111.297		
3,000.00	2,816.04	2,754.04	2,754.04	17.52	47.12	75.77	-4,237.11	5,703.51	6,841.37	6,777.26	64.12	106.699		
3,100.00	2,898.85	2,836.85	2,836.85	18.60	48.57	76.15	-4,237.11	5,703.51	6,825.17	6,758.54	66.63	102.433		
3,200.00	2,981.67	2,919.67	2,919.67	19.69	50.02	76.53	-4,237.11	5,703.51	6,809.38	6,740.23	69.15	98.467		
3,300.00	3,064.48	3,002.48	3,002.48	20.79	51.46	76.92	-4,237.11	5,703.51	6,794.03	6,722.34	71.69	94.772		
3,400.00	3,147.30	3,085.30	3,085.30	21.90	52.91	77.30	-4,237.11	5,703.51	6,779.10	6,704.87	74.23	91.325		
3,500.00	3,230.11	3,168.11	3,168.11	23.00	54.35	77.69	-4,237.11	5,703.51	6,764.60	6,687.82	76.78	88.102		
3,600.00	3,312.92	3,250.92	3,250.92	24.12	55.80	78.08	-4,237.11	5,703.51	6,750.54	6,671.20	79.34	85.084		
3,700.00	3,395.74	3,333.74	3,333.74	25.23	57.24	78.47	-4,237.11	5,703.51	6,736.91	6,655.01	81.90	82.254		
3,800.00	3,478.55	3,416.55	3,416.55	26.35	58.69	78.86	-4,237.11	5,703.51	6,723.73	6,639.25	84.47	79.594		
3,900.00	3,561.36	3,500.64	3,499.36	27.47	60.16	79.25	-4,237.11	5,703.51	6,710.98	6,623.91	87.07	77.073		
4,000.00	3,644.18	3,582.18	3,582.18	28.59	61.58	79.65	-4,237.11	5,703.51	6,698.69	6,609.05	89.63	74.736		
4,100.00	3,726.99	3,664.99	3,664.99	29.72	63.02	80.04	-4,237.11	5,703.51	6,686.83	6,594.62	92.22	72.512		
4,200.00	3,809.81	3,747.81	3,747.81	30.85	64.47	80.44	-4,237.11	5,703.51	6,675.43	6,580.63	94.81	70.411		
4,300.00	3,892.62	3,830.62	3,830.62	31.98	65.91	80.83	-4,237.11	5,703.51	6,664.48	6,567.08	97.40	68.425		
4,400.00	3,975.43	3,913.43	3,913.43	33.11	67.36	81.23	-4,237.11	5,703.51	6,653.99	6,553.99	100.00	66.543		
4,500.00	4,058.25	4,003.75	3,996.25	34.24	68.94	81.63	-4,237.11	5,703.51	6,643.95	6,541.22	102.73	64.677		
4,600.00	4,141.06	4,079.06	4,079.06	35.37	70.25	82.02	-4,237.11	5,703.51	6,634.36	6,529.17	105.20	63.067		
4,700.00	4,223.87	4,161.87	4,161.87	36.50	71.70	82.42	-4,237.11	5,703.51	6,625.24	6,517.44	107.80	61.459		
4,800.00	4,306.69	4,244.69	4,244.69	37.64	73.14	82.82	-4,237.11	5,703.51	6,616.59	6,506.18	110.41	59.930		
4,900.00	4,389.50	4,327.50	4,327.50	38.77	74.59	83.22	-4,237.11	5,703.51	6,608.39	6,495.38	113.01	58.475		
5,000.00	4,472.32	4,410.32	4,410.32	39.91	76.03	83.62	-4,237.11	5,703.51	6,600.66	6,485.04	115.62	57.089		
5,100.00	4,555.13	4,506.87	4,493.13	41.05	77.72	84.03	-4,237.11	5,703.51	6,593.40	6,474.93	118.47	55.654		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,637.94	4,575.94	4,575.94	42.18	78.92	84.43	-4,237.11	5,703.51	6,586.61	6,465.77	120.84	54.506		
5,300.00	4,720.76	4,658.76	4,658.76	43.32	80.37	84.83	-4,237.11	5,703.51	6,580.29	6,456.84	123.45	53.302		
5,400.00	4,803.57	4,741.57	4,741.57	44.46	81.81	85.24	-4,237.11	5,703.51	6,574.44	6,448.37	126.06	52.152		
5,500.00	4,886.39	4,824.39	4,824.39	45.60	83.26	85.64	-4,237.11	5,703.51	6,569.06	6,440.39	128.67	51.052		
5,600.00	4,969.20	4,907.20	4,907.20	46.74	84.70	86.04	-4,237.11	5,703.51	6,564.16	6,432.87	131.28	49.999		
5,700.00	5,052.01	5,009.99	4,990.01	47.88	86.50	86.45	-4,237.11	5,703.51	6,559.73	6,425.49	134.24	48.864		
5,800.00	5,134.83	5,072.83	5,072.83	49.02	87.60	86.85	-4,237.11	5,703.51	6,555.78	6,419.28	136.50	48.026		
5,900.00	5,217.64	5,155.64	5,155.64	50.16	89.04	87.26	-4,237.11	5,703.51	6,552.31	6,413.20	139.11	47.101		
6,000.00	5,300.45	5,238.45	5,238.45	51.30	90.49	87.67	-4,237.11	5,703.51	6,549.31	6,407.59	141.72	46.213		
6,100.00	5,383.27	5,321.27	5,321.27	52.45	91.93	88.07	-4,237.11	5,703.51	6,546.79	6,402.47	144.32	45.362		
6,200.00	5,466.08	5,404.08	5,404.08	53.59	93.38	88.48	-4,237.11	5,703.51	6,544.76	6,397.83	146.93	44.544		
6,300.00	5,548.90	5,400.00	5,400.00	54.73	93.31	88.46	-4,237.11	5,703.51	6,543.77	6,395.78	148.00	44.215		
6,314.32	5,560.75	5,400.00	5,400.00	54.89	93.31	88.46	-4,237.11	5,703.51	6,543.76	6,395.60	148.16	44.167		
6,400.00	5,631.71	5,400.00	5,400.00	55.87	93.31	88.46	-4,237.11	5,703.51	6,544.32	6,395.21	149.11	43.888		
6,500.00	5,714.52	5,400.00	5,400.00	57.02	93.31	88.46	-4,237.11	5,703.51	6,546.39	6,396.19	150.20	43.584		
6,600.00	5,797.34	5,400.00	5,400.00	58.16	93.31	88.46	-4,237.11	5,703.51	6,549.99	6,398.73	151.26	43.303		
6,700.00	5,880.15	5,400.00	5,400.00	59.30	93.31	88.46	-4,237.11	5,703.51	6,555.12	6,402.82	152.29	43.043		
6,800.00	5,962.96	5,400.00	5,400.00	60.45	93.31	88.46	-4,237.11	5,703.51	6,561.76	6,408.46	153.30	42.805		
6,900.00	6,045.78	5,400.00	5,400.00	61.59	93.31	88.46	-4,237.11	5,703.51	6,569.92	6,415.65	154.27	42.588		
7,000.00	6,128.59	5,400.00	5,400.00	62.73	93.31	88.46	-4,237.11	5,703.51	6,579.59	6,424.37	155.21	42.391		
7,100.00	6,211.41	5,400.00	5,400.00	63.88	93.31	88.46	-4,237.11	5,703.51	6,590.76	6,434.63	156.12	42.215		
7,200.00	6,294.22	5,400.00	5,400.00	65.02	93.31	88.46	-4,237.11	5,703.51	6,603.42	6,446.42	157.01	42.059		
7,300.00	6,377.03	5,400.00	5,400.00	66.17	93.31	88.46	-4,237.11	5,703.51	6,617.58	6,459.72	157.86	41.922		
7,400.00	6,459.85	5,400.00	5,400.00	67.31	93.31	88.46	-4,237.11	5,703.51	6,633.21	6,474.54	158.68	41.803		
7,500.00	6,542.66	5,400.00	5,400.00	68.46	93.31	88.46	-4,237.11	5,703.51	6,650.31	6,490.85	159.46	41.704		
7,600.00	6,625.48	5,400.00	5,400.00	69.60	93.31	88.46	-4,237.11	5,703.51	6,668.87	6,508.64	160.22	41.623		
7,700.00	6,708.29	5,400.00	5,400.00	70.75	93.31	88.46	-4,237.11	5,703.51	6,688.86	6,527.91	160.95	41.559		
7,800.00	6,791.10	5,400.00	5,400.00	71.89	93.31	88.46	-4,237.11	5,703.51	6,710.29	6,548.65	161.64	41.513		
7,900.00	6,873.92	5,400.00	5,400.00	73.04	93.31	88.46	-4,237.11	5,703.51	6,733.14	6,570.83	162.31	41.483		
8,000.00	6,956.73	5,400.00	5,400.00	74.18	93.31	88.46	-4,237.11	5,703.51	6,757.39	6,594.44	162.94	41.470		
8,100.00	7,039.54	5,400.00	5,400.00	75.33	93.31	88.46	-4,237.11	5,703.51	6,783.03	6,619.48	163.55	41.474		
8,165.32	7,093.63	5,400.00	5,400.00	76.08	93.31	88.46	-4,237.11	5,703.51	6,800.51	6,636.59	163.93	41.485		
8,200.00	7,122.60	5,400.00	5,400.00	76.47	93.31	84.05	-4,237.11	5,703.51	6,809.14	6,645.02	164.12	41.489		
8,250.00	7,165.05	5,400.00	5,400.00	77.01	93.31	76.83	-4,237.11	5,703.51	6,818.66	6,654.29	164.36	41.485		
8,300.00	7,208.03	5,400.00	5,400.00	77.52	93.31	68.81	-4,237.11	5,703.51	6,824.69	6,660.12	164.57	41.469		
8,350.00	7,251.22	5,400.00	5,400.00	77.99	93.31	60.36	-4,237.11	5,703.51	6,827.20	6,662.46	164.74	41.442		
8,400.00	7,294.28	5,400.00	5,400.00	78.41	93.31	51.92	-4,237.11	5,703.51	6,826.16	6,661.30	164.86	41.406		
8,450.00	7,336.90	5,400.00	5,400.00	78.78	93.31	43.87	-4,237.11	5,703.51	6,821.60	6,656.66	164.94	41.359		
8,500.00	7,378.73	5,400.00	5,400.00	79.10	93.31	36.47	-4,237.11	5,703.51	6,813.53	6,648.57	164.96	41.304		
8,550.00	7,419.47	5,400.00	5,400.00	79.37	93.31	29.81	-4,237.11	5,703.51	6,802.00	6,637.06	164.94	41.240		
8,600.00	7,458.81	5,400.00	5,400.00	79.59	93.31	23.87	-4,237.11	5,703.51	6,787.08	6,622.22	164.87	41.167		
8,650.00	7,496.44	5,400.00	5,400.00	79.76	93.31	18.55	-4,237.11	5,703.51	6,768.87	6,604.12	164.75	41.086		
8,700.00	7,532.08	5,400.00	5,400.00	79.88	93.31	13.72	-4,237.11	5,703.51	6,747.48	6,582.89	164.59	40.995		
8,750.00	7,565.46	5,400.00	5,400.00	79.95	93.31	9.23	-4,237.11	5,703.51	6,723.04	6,558.65	164.40	40.896		
8,800.00	7,596.33	5,400.00	5,400.00	79.98	93.31	4.95	-4,237.11	5,703.51	6,695.71	6,531.54	164.16	40.787		
8,850.00	7,624.44	5,400.00	5,400.00	79.97	93.31	0.73	-4,237.11	5,703.51	6,665.65	6,501.75	163.90	40.669		
8,900.00	7,649.59	5,400.00	5,400.00	79.93	93.31	-3.56	-4,237.11	5,703.51	6,633.07	6,469.45	163.61	40.542		
8,950.00	7,671.59	5,400.00	5,400.00	79.84	93.31	-8.06	-4,237.11	5,703.51	6,598.17	6,434.86	163.30	40.405		
9,000.00	7,690.26	5,400.00	5,400.00	79.73	93.31	-12.93	-4,237.11	5,703.51	6,561.18	6,398.20	162.98	40.259		
9,050.00	7,705.47	5,400.00	5,400.00	79.59	93.31	-18.33	-4,237.11	5,703.51	6,522.36	6,359.72	162.64	40.103		
9,100.00	7,717.09	5,400.00	5,400.00	79.43	93.31	-24.39	-4,237.11	5,703.51	6,481.97	6,319.67	162.30	39.939		
9,150.00	7,725.04	5,400.00	5,400.00	79.26	93.31	-31.23	-4,237.11	5,703.51	6,440.28	6,278.33	161.96	39.766		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,729.27	5,400.00	5,400.00	79.06	93.31	-38.89	-4,237.11	5,703.51	6,397.61	6,235.99	161.62	39.584		
9,231.13	7,730.00	5,400.00	5,400.00	78.93	93.31	-44.03	-4,237.11	5,703.51	6,370.66	6,209.25	161.42	39.467		
9,300.00	7,730.00	5,400.00	5,400.00	78.65	93.31	-44.03	-4,237.11	5,703.51	6,310.93	6,149.96	160.97	39.206		
9,400.00	7,730.00	5,400.00	5,400.00	78.26	93.31	-44.03	-4,237.11	5,703.51	6,224.51	6,064.21	160.30	38.830		
9,500.00	7,730.00	5,400.00	5,400.00	77.89	93.31	-44.03	-4,237.11	5,703.51	6,138.52	5,978.90	159.62	38.457		
9,600.00	7,730.00	5,400.00	5,400.00	77.53	93.31	-44.03	-4,237.11	5,703.51	6,052.95	5,894.03	158.92	38.088		
9,700.00	7,730.00	5,400.00	5,400.00	77.19	93.31	-44.03	-4,237.11	5,703.51	5,967.83	5,809.62	158.21	37.722		
9,800.00	7,730.00	5,400.00	5,400.00	76.88	93.31	-44.03	-4,237.11	5,703.51	5,883.18	5,725.70	157.48	37.359		
9,900.00	7,730.00	5,400.00	5,400.00	76.58	93.31	-44.03	-4,237.11	5,703.51	5,799.01	5,642.28	156.73	36.999		
10,000.00	7,730.00	5,400.00	5,400.00	76.30	93.31	-44.03	-4,237.11	5,703.51	5,715.36	5,559.39	155.97	36.644		
10,100.00	7,730.00	5,400.00	5,400.00	76.04	93.31	-44.03	-4,237.11	5,703.51	5,632.24	5,477.05	155.19	36.292		
10,200.00	7,730.00	5,400.00	5,400.00	75.79	93.31	-44.03	-4,237.11	5,703.51	5,549.68	5,395.28	154.40	35.943		
10,300.00	7,730.00	5,400.00	5,400.00	75.57	93.31	-44.03	-4,237.11	5,703.51	5,467.70	5,314.11	153.59	35.598		
10,400.00	7,730.00	5,400.00	5,400.00	75.36	93.31	-44.03	-4,237.11	5,703.51	5,386.33	5,233.56	152.77	35.257		
10,500.00	7,730.00	5,400.00	5,400.00	75.18	93.31	-44.03	-4,237.11	5,703.51	5,305.60	5,153.66	151.93	34.920		
10,600.00	7,730.00	5,400.00	5,400.00	75.01	93.31	-44.03	-4,237.11	5,703.51	5,225.53	5,074.44	151.09	34.587		
10,700.00	7,730.00	5,400.00	5,400.00	74.86	93.31	-44.03	-4,237.11	5,703.51	5,146.16	4,995.93	150.22	34.257		
10,800.00	7,730.00	5,400.00	5,400.00	74.74	93.31	-44.03	-4,237.11	5,703.51	5,067.52	4,918.17	149.35	33.930		
10,900.00	7,730.00	5,400.00	5,400.00	74.64	93.31	-44.03	-4,237.11	5,703.51	4,989.64	4,841.17	148.47	33.608		
11,000.00	7,730.00	5,400.00	5,400.00	74.56	93.31	-44.03	-4,237.11	5,703.51	4,912.57	4,764.99	147.58	33.288		
11,100.00	7,730.00	5,400.00	5,400.00	74.51	93.31	-44.03	-4,237.11	5,703.51	4,836.33	4,689.65	146.68	32.971		
11,200.00	7,730.00	5,400.00	5,400.00	74.48	93.31	-44.03	-4,237.11	5,703.51	4,760.98	4,615.19	145.78	32.658		
11,300.00	7,730.00	5,400.00	5,400.00	74.48	93.31	-44.03	-4,237.11	5,703.51	4,686.55	4,541.66	144.89	32.347		
11,400.00	7,730.00	5,400.00	5,400.00	74.50	93.31	-44.03	-4,237.11	5,703.51	4,613.08	4,469.09	143.99	32.038		
11,500.00	7,730.00	5,400.00	5,400.00	74.56	93.31	-44.03	-4,237.11	5,703.51	4,540.63	4,397.53	143.10	31.730		
11,600.00	7,730.00	5,400.00	5,400.00	74.66	93.31	-44.03	-4,237.11	5,703.51	4,469.24	4,327.02	142.22	31.424		
11,700.00	7,730.00	5,400.00	5,400.00	74.79	93.31	-44.03	-4,237.11	5,703.51	4,398.97	4,257.60	141.36	31.119		
11,800.00	7,730.00	5,400.00	5,400.00	74.96	93.31	-44.03	-4,237.11	5,703.51	4,329.86	4,189.34	140.52	30.813		
11,900.00	7,730.00	5,400.00	5,400.00	75.17	93.31	-44.03	-4,237.11	5,703.51	4,261.98	4,122.27	139.71	30.506		
12,000.00	7,730.00	5,400.00	5,400.00	75.43	93.31	-44.03	-4,237.11	5,703.51	4,195.39	4,056.46	138.93	30.198		
12,100.00	7,730.00	5,400.00	5,400.00	75.73	93.31	-44.03	-4,237.11	5,703.51	4,130.14	3,991.95	138.19	29.888		
12,200.00	7,730.00	5,400.00	5,400.00	76.09	93.31	-44.03	-4,237.11	5,703.51	4,066.31	3,928.81	137.50	29.574		
12,300.00	7,730.00	5,400.00	5,400.00	76.51	93.31	-44.03	-4,237.11	5,703.51	4,003.96	3,867.10	136.86	29.255		
12,400.00	7,730.00	5,400.00	5,400.00	76.97	93.31	-44.03	-4,237.11	5,703.51	3,943.16	3,806.86	136.29	28.932		
12,500.00	7,730.00	5,400.00	5,400.00	77.50	93.31	-44.03	-4,237.11	5,703.51	3,883.98	3,748.18	135.80	28.602		
12,600.00	7,730.00	5,400.00	5,400.00	78.09	93.31	-44.03	-4,237.11	5,703.51	3,826.50	3,691.12	135.38	28.265		
12,700.00	7,730.00	5,400.00	5,400.00	78.74	93.31	-44.03	-4,237.11	5,703.51	3,770.79	3,635.74	135.05	27.921		
12,800.00	7,730.00	5,400.00	5,400.00	79.45	93.31	-44.03	-4,237.11	5,703.51	3,716.94	3,582.11	134.83	27.568		
12,900.00	7,730.00	5,400.00	5,400.00	80.22	93.31	-44.03	-4,237.11	5,703.51	3,665.03	3,530.32	134.71	27.207		
13,000.00	7,730.00	5,400.00	5,400.00	81.05	93.31	-44.03	-4,237.11	5,703.51	3,615.14	3,480.44	134.71	26.837		
13,100.00	7,730.00	5,400.00	5,400.00	81.94	93.31	-44.03	-4,237.11	5,703.51	3,567.36	3,432.54	134.82	26.459		
13,200.00	7,730.00	5,400.00	5,400.00	82.87	93.31	-44.03	-4,237.11	5,703.51	3,521.77	3,386.70	135.07	26.074		
13,300.00	7,730.00	5,400.00	5,400.00	83.86	93.31	-44.03	-4,237.11	5,703.51	3,478.45	3,343.01	135.45	25.681		
13,400.00	7,730.00	5,400.00	5,400.00	84.90	93.31	-44.03	-4,237.11	5,703.51	3,437.51	3,301.54	135.96	25.283		
13,500.00	7,730.00	5,400.00	5,400.00	85.97	93.31	-44.03	-4,237.11	5,703.51	3,399.01	3,262.39	136.61	24.880		
13,600.00	7,730.00	5,400.00	5,400.00	87.09	93.31	-44.03	-4,237.11	5,703.51	3,363.04	3,225.63	137.41	24.475		
13,700.00	7,730.00	5,400.00	5,400.00	88.25	93.31	-44.03	-4,237.11	5,703.51	3,329.69	3,191.35	138.34	24.069		
13,800.00	7,730.00	5,400.00	5,400.00	89.44	93.31	-44.03	-4,237.11	5,703.51	3,299.04	3,159.62	139.41	23.664		
13,900.00	7,730.00	5,400.00	5,400.00	90.66	93.31	-44.03	-4,237.11	5,703.51	3,271.15	3,130.53	140.62	23.262		
14,000.00	7,730.00	5,400.00	5,400.00	91.92	93.31	-44.03	-4,237.11	5,703.51	3,246.11	3,104.15	141.96	22.866		
14,100.00	7,730.00	5,400.00	5,400.00	93.20	93.31	-44.03	-4,237.11	5,703.51	3,223.98	3,080.55	143.43	22.478		
14,200.00	7,730.00	5,400.00	5,400.00	94.50	93.31	-44.03	-4,237.11	5,703.51	3,204.81	3,059.80	145.01	22.100		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,730.00	5,400.00	5,400.00	95.83	93.31	-44.03	-4,237.11	5,703.51	3,188.67	3,041.96	146.71	21.735		
14,400.00	7,730.00	5,400.00	5,400.00	97.17	93.31	-44.03	-4,237.11	5,703.51	3,175.60	3,027.08	148.51	21.383		
14,500.00	7,730.00	5,400.00	5,400.00	98.54	93.31	-44.03	-4,237.11	5,703.51	3,165.63	3,015.22	150.41	21.047		
14,600.00	7,730.00	5,400.00	5,400.00	99.92	93.31	-44.03	-4,237.11	5,703.51	3,158.80	3,006.41	152.39	20.728		
14,700.00	7,730.00	5,400.00	5,400.00	101.32	93.31	-44.03	-4,237.11	5,703.51	3,155.12	3,000.67	154.45	20.428		
14,766.02	7,730.00	5,400.00	5,400.00	102.26	93.31	-44.03	-4,237.11	5,703.51	3,154.43	2,998.59	155.84	20.241	CC	
14,800.00	7,730.00	5,400.00	5,400.00	102.74	93.31	-44.03	-4,237.11	5,703.51	3,154.62	2,998.05	156.57	20.149	ES	
14,900.00	7,730.00	5,400.00	5,400.00	104.17	93.31	-44.03	-4,237.11	5,703.51	3,157.28	2,998.54	158.74	19.890		
15,000.00	7,730.00	5,400.00	5,400.00	105.62	93.31	-44.03	-4,237.11	5,703.51	3,163.10	3,002.15	160.95	19.653		
15,100.00	7,730.00	5,400.00	5,400.00	107.07	93.31	-44.03	-4,237.11	5,703.51	3,172.06	3,008.88	163.18	19.439		
15,200.00	7,730.00	5,400.00	5,400.00	108.54	93.31	-44.03	-4,237.11	5,703.51	3,184.15	3,018.72	165.43	19.248		
15,300.00	7,730.00	5,400.00	5,400.00	110.02	93.31	-44.03	-4,237.11	5,703.51	3,199.31	3,031.63	167.68	19.080		
15,400.00	7,730.00	5,400.00	5,400.00	111.51	93.31	-44.03	-4,237.11	5,703.51	3,217.51	3,047.59	169.92	18.935		
15,500.00	7,730.00	5,400.00	5,400.00	113.01	93.31	-44.03	-4,237.11	5,703.51	3,238.70	3,066.56	172.14	18.814		
15,600.00	7,730.00	5,400.00	5,400.00	114.52	93.31	-44.03	-4,237.11	5,703.51	3,262.82	3,088.48	174.33	18.716		
15,700.00	7,730.00	5,400.00	5,400.00	116.04	93.31	-44.03	-4,237.11	5,703.51	3,289.80	3,113.31	176.49	18.641		
15,800.00	7,730.00	5,400.00	5,400.00	117.56	93.31	-44.03	-4,237.11	5,703.51	3,319.57	3,140.98	178.59	18.588		
15,900.00	7,730.00	5,400.00	5,400.00	119.09	93.31	-44.03	-4,237.11	5,703.51	3,352.07	3,171.43	180.64	18.557		
16,000.00	7,730.00	5,400.00	5,400.00	120.63	93.31	-44.03	-4,237.11	5,703.51	3,387.21	3,204.58	182.63	18.547	SF	
16,100.00	7,730.00	5,400.00	5,400.00	122.18	93.31	-44.03	-4,237.11	5,703.51	3,424.90	3,240.35	184.55	18.558		
16,200.00	7,730.00	5,400.00	5,400.00	123.73	93.31	-44.03	-4,237.11	5,703.51	3,465.08	3,278.68	186.40	18.590		
16,300.00	7,730.00	5,400.00	5,400.00	125.29	93.31	-44.03	-4,237.11	5,703.51	3,507.64	3,319.47	188.18	18.640		
16,400.00	7,730.00	5,400.00	5,400.00	126.86	93.31	-44.03	-4,237.11	5,703.51	3,552.51	3,362.63	189.88	18.709		
16,500.00	7,730.00	5,400.00	5,400.00	128.43	93.31	-44.03	-4,237.11	5,703.51	3,599.60	3,408.10	191.50	18.797		
16,600.00	7,730.00	5,400.00	5,400.00	130.01	93.31	-44.03	-4,237.11	5,703.51	3,648.83	3,455.78	193.05	18.901		
16,700.00	7,730.00	5,400.00	5,400.00	131.59	93.31	-44.03	-4,237.11	5,703.51	3,700.10	3,505.58	194.52	19.022		
16,800.00	7,730.00	5,400.00	5,400.00	133.18	93.31	-44.03	-4,237.11	5,703.51	3,753.34	3,557.42	195.91	19.158		
16,900.00	7,730.00	5,400.00	5,400.00	134.77	93.31	-44.03	-4,237.11	5,703.51	3,808.46	3,611.22	197.23	19.310		
17,000.00	7,730.00	5,400.00	5,400.00	136.37	93.31	-44.03	-4,237.11	5,703.51	3,865.38	3,666.90	198.48	19.475		
17,100.00	7,730.00	5,400.00	5,400.00	137.97	93.31	-44.03	-4,237.11	5,703.51	3,924.02	3,724.37	199.65	19.655		
17,200.00	7,730.00	5,400.00	5,400.00	139.57	93.31	-44.03	-4,237.11	5,703.51	3,984.31	3,783.56	200.75	19.847		
17,300.00	7,730.00	5,400.00	5,400.00	141.18	93.31	-44.03	-4,237.11	5,703.51	4,046.17	3,844.39	201.79	20.052		
17,400.00	7,730.00	5,400.00	5,400.00	142.79	93.31	-44.03	-4,237.11	5,703.51	4,109.54	3,906.78	202.76	20.268		
17,500.00	7,730.00	5,400.00	5,400.00	144.41	93.31	-44.03	-4,237.11	5,703.51	4,174.34	3,970.67	203.67	20.496		
17,600.00	7,730.00	5,400.00	5,400.00	146.03	93.31	-44.03	-4,237.11	5,703.51	4,240.51	4,035.99	204.52	20.734		
17,700.00	7,730.00	5,400.00	5,400.00	147.65	93.31	-44.03	-4,237.11	5,703.51	4,307.98	4,102.66	205.32	20.982		
17,800.00	7,730.00	5,400.00	5,400.00	149.28	93.31	-44.03	-4,237.11	5,703.51	4,376.70	4,170.64	206.06	21.240		
17,900.00	7,730.00	5,400.00	5,400.00	150.91	93.31	-44.03	-4,237.11	5,703.51	4,446.61	4,239.85	206.75	21.507		
18,000.00	7,730.00	5,400.00	5,400.00	152.54	93.31	-44.03	-4,237.11	5,703.51	4,517.64	4,310.24	207.40	21.782		
18,100.00	7,730.00	5,400.00	5,400.00	154.18	93.31	-44.03	-4,237.11	5,703.51	4,589.76	4,381.76	208.00	22.066		
18,200.00	7,730.00	5,400.00	5,400.00	155.82	93.31	-44.03	-4,237.11	5,703.51	4,662.91	4,454.35	208.56	22.358		
18,300.00	7,730.00	5,400.00	5,400.00	157.46	93.31	-44.03	-4,237.11	5,703.51	4,737.03	4,527.95	209.08	22.657		
18,400.00	7,730.00	5,400.00	5,400.00	159.11	93.31	-44.03	-4,237.11	5,703.51	4,812.10	4,602.54	209.56	22.963		
18,500.00	7,730.00	5,400.00	5,400.00	160.75	93.31	-44.03	-4,237.11	5,703.51	4,888.06	4,678.05	210.01	23.275		
18,600.00	7,730.00	5,400.00	5,400.00	162.40	93.31	-44.03	-4,237.11	5,703.51	4,964.86	4,754.44	210.42	23.594		
18,700.00	7,730.00	5,400.00	5,400.00	164.05	93.31	-44.03	-4,237.11	5,703.51	5,042.49	4,831.68	210.81	23.920		
18,800.00	7,730.00	5,400.00	5,400.00	165.71	93.31	-44.03	-4,237.11	5,703.51	5,120.89	4,909.72	211.16	24.251		
18,900.00	7,730.00	5,400.00	5,400.00	167.36	93.31	-44.03	-4,237.11	5,703.51	5,200.03	4,988.53	211.49	24.587		
18,942.39	7,730.00	5,400.00	5,400.00	168.07	93.31	-44.03	-4,237.11	5,703.51	5,233.79	5,022.17	211.62	24.732		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



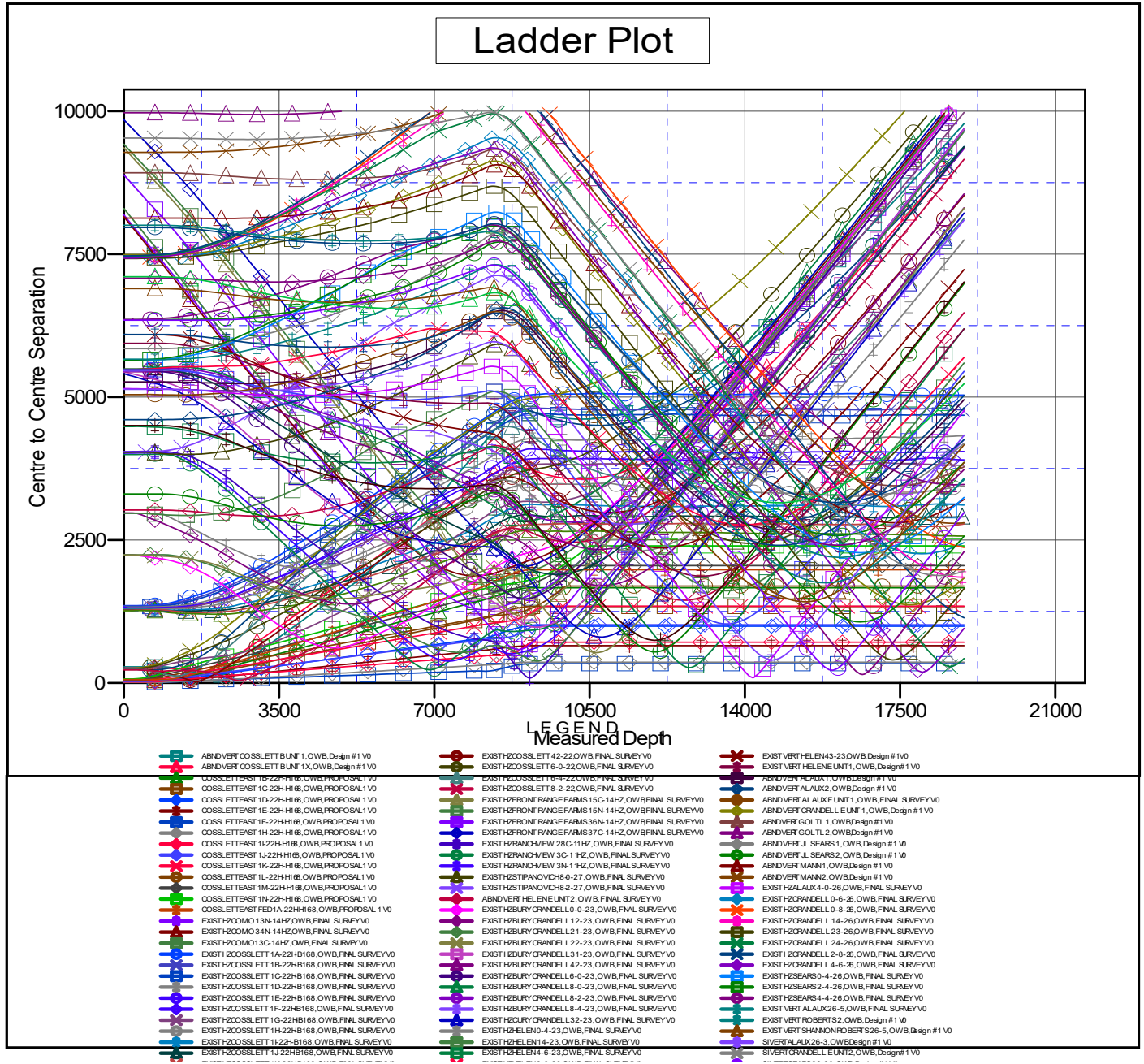
## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Coordinates are relative to: COSSLETT EAST 1G-22H-H168

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is:  $0.33^\circ$



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

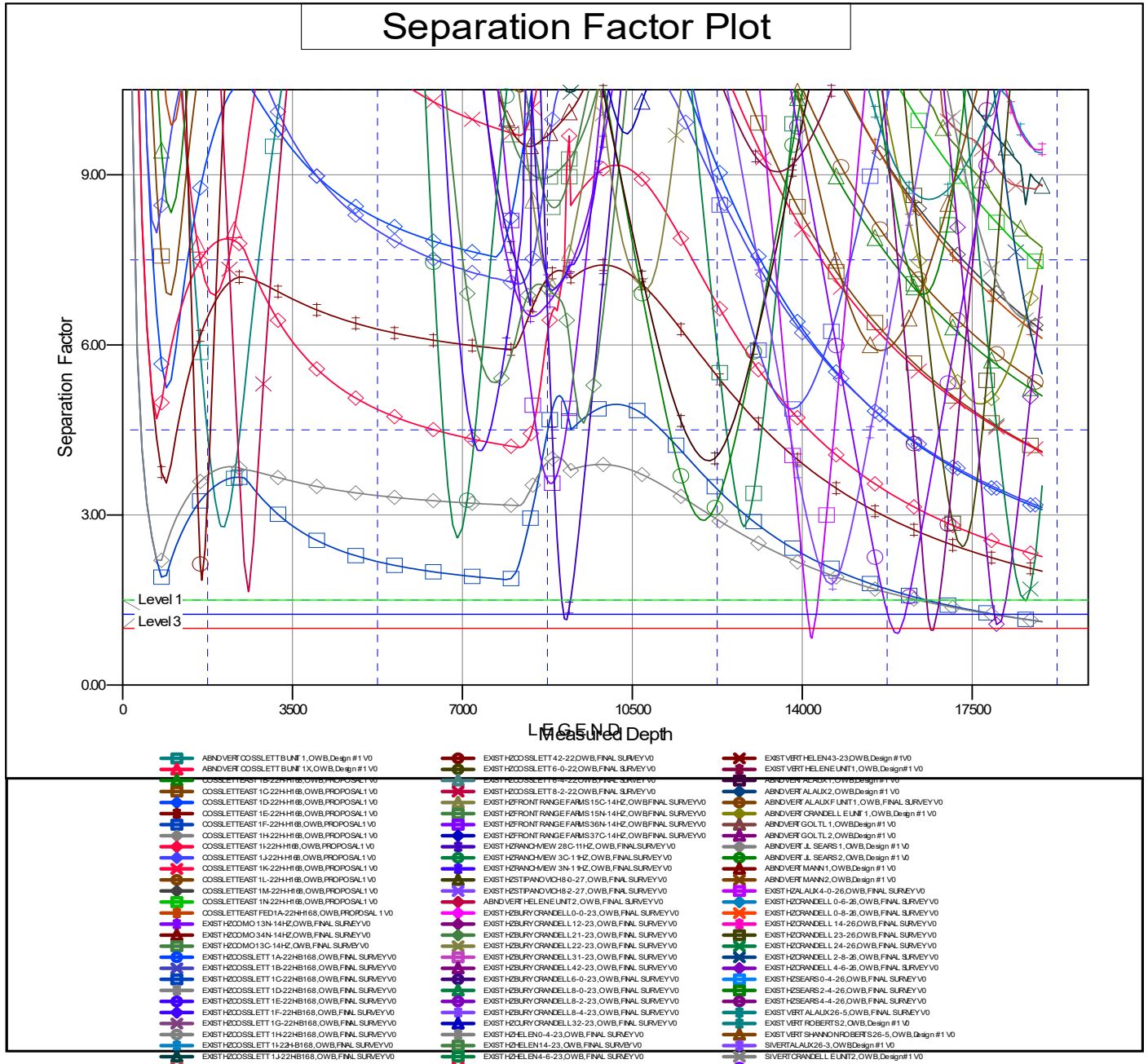
<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1G-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1G-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Depths are relative to Offset Datum

Central Meridian is 105.500000°W

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.33°



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation