

CRESTONE PEAK RESOURCES

**WELD COUNTY
SEC 25-T4N-R65W
SHELTON 25W-25-15**

**OWB
PROPOSAL 1**

Anticollision Report

28 September, 2022

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference	PROPOSAL 1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.00 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	9/28/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	20,552.28	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard	

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 25-T4N-R65W						
ABND VERT BEEBE DRAW 1 GYRO - OWB - GYRO	9,223.08	6,757.37	1,272.18	1,180.83	13.926	CC, ES
ABND VERT BEEBE DRAW 1 GYRO - OWB - GYRO	9,300.00	6,757.25	1,274.51	1,182.91	13.914	SF
ABND VERT BEEBE DRAW 2 GYRO - OWB - GYRO	8,232.90	6,824.54	1,476.21	1,408.43	21.777	CC, ES
ABND VERT BEEBE DRAW 2 GYRO - OWB - GYRO	8,300.00	6,823.98	1,477.74	1,409.60	21.687	SF
ABND VERT BEEBE DRAW 3 GYRO - OWB - GYRO	9,300.00	6,756.51	286.65	189.29	2.944	SF
ABND VERT BEEBE DRAW 3 GYRO - OWB - GYRO	9,353.61	6,759.86	281.62	186.29	2.954	CC, ES
ABND VERT BEEBE DRAW 4 GYRO - OWB - GYRO	8,100.00	6,790.50	284.20	214.58	4.082	SF
ABND VERT BEEBE DRAW 4 GYRO - OWB - GYRO	8,162.01	6,791.33	277.35	210.61	4.156	CC, ES
ABND VERT CPC PLUSS 25-1 - OWB - Design #1	300.00	280.00	2,584.34	2,579.56	540.842	CC
ABND VERT CPC PLUSS 25-1 - OWB - Design #1	400.00	379.98	2,585.29	2,578.42	376.321	ES
ABND VERT CPC PLUSS 25-1 - OWB - Design #1	7,500.00	6,806.18	4,664.87	4,508.61	29.852	SF
ABND VERT FLIPPIN 25BU GYRO - OWB - GYRO	8,693.91	6,802.70	775.12	696.57	9.867	CC, ES, SF
ABND VERT OCOMA G 25-16 GYRO - OWB - GYRO	3,381.24	3,162.09	1,005.02	982.19	44.015	CC
ABND VERT OCOMA G 25-16 GYRO - OWB - GYRO	3,400.00	3,178.94	1,005.05	982.07	43.721	ES
ABND VERT OCOMA G 25-16 GYRO - OWB - GYRO	4,700.00	4,393.96	1,114.36	1,082.85	35.366	SF
ABND VERT OCOMA G25-23 GYRO - OWB - GYRO	4,016.25	3,734.32	46.45	6.55	1.164	Level 2, CC, ES, SF
ABND VERT OCOMA G25-9 GYRO - OWB - GYRO	1,462.61	1,409.00	12.42	5.34	1.754	CC, ES, SF
ABND VERT PLUSS G 25-8 GYRO - OWB - GYRO	155.55	120.56	1,210.68	1,210.23	2,730.827	CC
ABND VERT PLUSS G 25-8 GYRO - OWB - GYRO	300.00	263.41	1,210.89	1,209.84	1,151.413	ES
ABND VERT PLUSS G 25-8 GYRO - OWB - GYRO	7,200.00	6,646.40	3,307.23	3,272.72	95.830	SF
ABND VERT SHELTON G 25-22 GYRO - OWB - GYRO	1,564.88	1,473.21	1,232.55	1,224.47	152.571	CC
ABND VERT SHELTON G 25-22 GYRO - OWB - GYRO	1,600.00	1,504.29	1,232.65	1,224.29	147.523	ES
ABND VERT SHELTON G 25-22 GYRO - OWB - GYRO	4,600.00	4,241.49	1,743.17	1,715.60	63.222	SF
ABND VERT SHELTON G 36-27 GYRO - OWB - GYRO	5,747.66	5,323.00	927.46	885.08	21.886	CC, ES
ABND VERT SHELTON G 36-27 GYRO - OWB - GYRO	6,300.00	5,824.92	963.90	917.86	20.936	SF
EXIST HZ HEARTLAND C30-79HN - OWB - FINAL SUR	3,191.00	2,963.48	1,463.14	1,433.15	48.791	CC
EXIST HZ HEARTLAND C30-79HN - OWB - FINAL SUR	3,300.00	3,062.73	1,464.06	1,432.79	46.808	ES
EXIST HZ HEARTLAND C30-79HN - OWB - FINAL SUR	6,200.00	5,821.62	1,947.76	1,889.62	33.503	SF
EXIST HZ HEARTLAND G25-72-1HN - OWB - FINAL SU	3,755.09	3,517.76	1,385.65	1,349.26	38.078	CC
EXIST HZ HEARTLAND G25-72-1HN - OWB - FINAL SU	4,000.00	3,770.53	1,386.61	1,347.36	35.326	ES
EXIST HZ HEARTLAND G25-72-1HN - OWB - FINAL SU	6,100.00	5,694.62	1,655.93	1,597.60	28.387	SF
EXIST HZ HEARTLAND G25-73-1HN - OWB - FINAL SU	5,178.93	4,881.46	942.96	890.02	17.813	CC
EXIST HZ HEARTLAND G25-73-1HN - OWB - FINAL SU	5,200.00	4,900.01	943.00	889.84	17.741	ES
EXIST HZ HEARTLAND G25-73-1HN - OWB - FINAL SU	5,700.00	5,308.58	970.41	912.88	16.867	SF
EXIST HZ SHELTON G24-74-1HN - OWB - FINAL SURV	300.00	264.00	3,567.40	3,566.10	2,737.742	CC
EXIST HZ SHELTON G24-74-1HN - OWB - FINAL SURV	700.00	662.70	3,568.57	3,565.15	1,041.921	ES
EXIST HZ SHELTON G24-74-1HN - OWB - FINAL SURV	10,000.00	6,413.38	5,976.04	5,876.72	60.168	SF

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	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 25-T4N-R65W						
EXIST HZ SHELTON G25-75HN - OWB - FINAL SURVE	7,509.61	11,061.00	216.76	152.96	3.398	CC
EXIST HZ SHELTON G25-75HN - OWB - FINAL SURVE	7,600.00	11,061.00	240.71	152.46	2.728	ES, SF
EXIST HZ SHELTON PC G24-75HN - OWB - FINAL SUR	300.00	263.00	3,593.73	3,592.43	2,760.305	CC
EXIST HZ SHELTON PC G24-75HN - OWB - FINAL SUR	700.00	661.70	3,594.63	3,591.20	1,049.584	ES
EXIST HZ SHELTON PC G24-75HN - OWB - FINAL SUR	10,400.00	6,341.00	5,671.33	5,559.98	50.932	SF
EXIST HZ SHLETON PC G25-74-1HN - OWB - FINAL S	7,075.97	11,343.06	788.98	682.28	7.394	CC
EXIST HZ SHLETON PC G25-74-1HN - OWB - FINAL S	7,100.00	11,347.29	789.82	681.55	7.295	ES
EXIST HZ SHLETON PC G25-74-1HN - OWB - FINAL S	7,200.00	11,362.29	811.14	697.27	7.123	SF
EXIST VERT OCOMA G25-10 GYRO - OWB - GYRO	4,326.48	4,010.60	970.44	939.74	31.605	CC
EXIST VERT OCOMA G25-10 GYRO - OWB - GYRO	4,400.00	4,077.48	970.92	939.62	31.021	ES
EXIST VERT OCOMA G25-10 GYRO - OWB - GYRO	5,100.00	4,691.22	1,024.25	988.38	28.554	SF
EXIST VERT OCOMA G25-15 GYRO - OWB - GYRO	6,281.34	5,813.46	0.42	-46.50	0.009	Level 1, CC, ES, SF
EXIST VERT PLUSS G 25-07 GYRO - OWB - GYRO	2,201.69	2,044.91	1,973.64	1,960.57	151.079	CC
EXIST VERT PLUSS G 25-07 GYRO - OWB - GYRO	2,300.00	2,133.97	1,974.04	1,960.17	142.257	ES
EXIST VERT PLUSS G 25-07 GYRO - OWB - GYRO	8,300.00	6,782.66	3,136.39	3,082.64	58.355	SF
EXIST VERT SHELTON G 25-02 GYRO - OWB - GYRO	340.72	300.62	3,125.04	3,123.75	2,421.402	CC
EXIST VERT SHELTON G 25-02 GYRO - OWB - GYRO	400.00	357.28	3,125.14	3,123.60	2,039.025	ES
EXIST VERT SHELTON G 25-02 GYRO - OWB - GYRO	10,000.00	7,190.54	5,245.66	5,166.68	66.415	SF
SHELTON 25W-25-01 - OWB - PROPOSAL 1	100.00	101.00	314.75	314.48	1,164.902	CC, ES
SHELTON 25W-25-01 - OWB - PROPOSAL 1	20,552.28	20,867.93	4,613.87	3,828.28	5.873	SF
SHELTON 25W-25-02 - OWB - PROPOSAL 1	200.00	201.00	292.54	291.55	295.676	CC, ES
SHELTON 25W-25-02 - OWB - PROPOSAL 1	20,552.28	20,765.25	4,284.17	3,498.56	5.453	SF
SHELTON 25W-25-03 - OWB - PROPOSAL 1	300.00	301.00	270.31	268.61	158.419	CC, ES
SHELTON 25W-25-03 - OWB - PROPOSAL 1	20,552.28	20,673.19	3,955.21	3,169.56	5.034	SF
SHELTON 25W-25-04 - OWB - PROPOSAL 1	300.00	301.00	247.36	245.66	144.968	CC, ES
SHELTON 25W-25-04 - OWB - PROPOSAL 1	20,552.28	20,592.80	3,625.15	2,839.47	4.614	SF
SHELTON 25W-25-05 - OWB - PROPOSAL 1	300.00	301.00	224.78	223.07	131.731	CC, ES
SHELTON 25W-25-05 - OWB - PROPOSAL 1	20,552.28	20,524.25	3,295.46	2,509.74	4.194	SF
SHELTON 25W-25-06 - OWB - PROPOSAL 1	300.00	301.00	202.92	201.21	118.921	CC, ES
SHELTON 25W-25-06 - OWB - PROPOSAL 1	20,552.28	20,467.98	2,965.77	2,180.02	3.774	SF
SHELTON 25W-25-07 - OWB - PROPOSAL 1	300.00	300.00	180.33	178.63	105.906	CC, ES
SHELTON 25W-25-07 - OWB - PROPOSAL 1	20,552.28	20,425.48	2,636.80	1,851.03	3.356	SF
SHELTON 25W-25-08 - OWB - PROPOSAL 1	300.00	300.00	157.38	155.67	92.425	CC, ES
SHELTON 25W-25-08 - OWB - PROPOSAL 1	20,552.28	20,397.67	2,306.75	1,520.94	2.936	SF
SHELTON 25W-25-09 - OWB - PROPOSAL 1	300.00	300.00	134.79	133.09	79.162	CC, ES
SHELTON 25W-25-09 - OWB - PROPOSAL 1	20,552.28	20,391.72	1,977.05	1,191.00	2.515	SF
SHELTON 25W-25-10 - OWB - PROPOSAL 1	300.00	301.00	112.93	111.23	66.186	CC, ES
SHELTON 25W-25-10 - OWB - PROPOSAL 1	20,552.28	20,381.64	1,647.36	861.71	2.097	SF
SHELTON 25W-25-11 - OWB - PROPOSAL 1	300.00	300.00	89.98	88.28	52.846	CC, ES
SHELTON 25W-25-11 - OWB - PROPOSAL 1	20,552.28	20,387.96	1,318.40	533.14	1.679	SF
SHELTON 25W-25-12 - OWB - PROPOSAL 1	300.00	300.00	67.40	65.69	39.581	CC, ES
SHELTON 25W-25-12 - OWB - PROPOSAL 1	20,552.28	20,410.13	988.34	203.47	1.259	Level 3, SF
SHELTON 25W-25-13 - OWB - PROPOSAL 1	300.00	300.00	44.81	43.11	26.316	CC
SHELTON 25W-25-13 - OWB - PROPOSAL 1	20,552.28	20,439.52	658.65	-125.66	0.840	Level 1, ES, SF
SHELTON 25W-25-14 - OWB - PROPOSAL 1	300.00	300.00	22.95	21.25	13.479	CC
SHELTON 25W-25-14 - OWB - PROPOSAL 1	20,552.28	20,489.54	328.96	-454.99	0.420	Level 1, ES, SF
SHELTON 25W-25-16 - OWB - PROPOSAL 1	100.00	101.00	22.59	22.32	83.594	CC
SHELTON 25W-25-16 - OWB - PROPOSAL 1	20,552.28	20,616.38	329.70	-453.65	0.421	Level 1, ES, SF
SI VERT DABNEY G 25-3 GYRO - OWB - GYRO	2,975.84	2,816.00	3,737.47	3,717.80	190.051	CC
SI VERT DABNEY G 25-3 GYRO - OWB - GYRO	3,200.00	3,022.94	3,738.51	3,716.99	173.677	ES
SI VERT DABNEY G 25-3 GYRO - OWB - GYRO	10,200.00	6,734.98	4,592.61	4,499.16	49.143	SF
SI VERT DABNEY G 25-6 GYRO - OWB - GYRO	4,424.28	4,038.25	2,769.29	2,737.58	87.327	CC
SI VERT DABNEY G 25-6 GYRO - OWB - GYRO	4,600.00	4,196.45	2,770.20	2,737.01	83.465	ES

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Anticollision Report

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Offset Well - Wellbore - Design						
SEC 25-T4N-R65W						
SI VERT DABNEY G 25-6 GYRO - OWB - GYRO	9,100.00	6,799.79	3,058.51	2,982.08	40.021	SF
SI VERT FREEDOM G 25-5 - OWB - Design #1	9,437.81	6,753.00	2,874.81	2,662.83	13.562	CC
SI VERT FREEDOM G 25-5 - OWB - Design #1	9,500.00	6,753.00	2,875.48	2,662.51	13.502	ES
SI VERT FREEDOM G 25-5 - OWB - Design #1	9,900.00	6,753.00	2,911.72	2,693.27	13.329	SF
SI VERT RUPERT G 25-4 GYRO - OWB - GYRO	9,515.57	6,879.55	4,162.27	4,062.89	41.882	CC
SI VERT RUPERT G 25-4 GYRO - OWB - GYRO	9,600.00	6,879.60	4,163.13	4,062.16	41.233	ES
SI VERT RUPERT G 25-4 GYRO - OWB - GYRO	11,100.00	6,880.44	4,453.64	4,331.01	36.317	SF
SI VERT SHELTON 18-25XX GYRO - OWB - FINAL	8,720.35	6,846.00	3,197.16	3,097.11	31.955	CC
SI VERT SHELTON 18-25XX GYRO - OWB - FINAL	8,800.00	6,846.00	3,198.15	3,096.83	31.565	ES
SI VERT SHELTON 18-25XX GYRO - OWB - FINAL	9,700.00	6,846.00	3,343.88	3,230.86	29.587	SF
SI VERT SHELTON 18-25XX GYRO - STK - STK	8,887.50	6,966.05	3,177.45	3,074.63	30.904	CC
SI VERT SHELTON 18-25XX GYRO - STK - STK	8,900.00	6,966.30	3,177.47	3,074.45	30.844	ES
SI VERT SHELTON 18-25XX GYRO - STK - STK	9,800.00	6,987.00	3,305.74	3,190.72	28.741	SF

Anticollision Report

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Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
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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-T4N-R65W						
ABND VERT BEEBE DRAW G 26-23 GYRO - OWB - GY	11,494.05	6,741.67	961.19	811.26	6.411	CC, ES, SF
ABND VERT BEEBE DRAW R G 26-11 GYRO - OWB -	13,412.07	6,705.93	1,489.16	1,288.24	7.411	CC, ES
ABND VERT BEEBE DRAW R G 26-11 GYRO - OWB -	13,500.00	6,705.67	1,491.76	1,290.28	7.404	SF
ABND VERT BEEBE DRAW R G 26-12 GYRO - OWB -	14,672.34	6,698.56	1,625.78	1,390.82	6.919	CC
ABND VERT BEEBE DRAW R G 26-12 GYRO - OWB -	14,700.00	6,698.34	1,626.02	1,390.77	6.912	ES, SF
ABND VERT BEEBE DRAW R G 26-14 GYRO - OWB -	13,472.11	6,708.43	170.85	-31.61	0.844	Level 1, CC, ES, SF
ABND VERT BEEBE DRAW R G 26-15 GYRO - OWB -	12,088.03	6,721.04	132.55	-33.10	0.800	Level 1, CC, ES, SF
ABND VERT BEEBE DRAW R G 26-16 GYRO - OWB -	10,700.00	6,742.93	227.73	97.29	1.746	ES, SF
ABND VERT BEEBE DRAW R G 26-16 GYRO - OWB -	10,712.98	6,743.01	227.36	97.82	1.755	CC
ABND VERT BEEBE DRAW R G 26-9 - OWB - Design #	10,792.81	6,755.00	1,472.10	1,225.28	5.964	CC
ABND VERT BEEBE DRAW R G 26-9 - OWB - Design #	10,800.00	6,755.00	1,472.11	1,225.24	5.963	ES, SF
ABND VERT DUPPER 2 - OWB - Design #1	14,775.14	6,705.00	4,149.85	3,797.98	11.794	CC
ABND VERT DUPPER 2 - OWB - Design #1	14,900.00	6,705.00	4,151.72	3,797.35	11.716	ES
ABND VERT DUPPER 2 - OWB - Design #1	15,400.00	6,705.00	4,196.63	3,834.38	11.585	SF
ABND VERT DUPPER R G 26-5 GYRO - OWB - GYRO	14,765.14	6,736.49	2,771.21	2,533.97	11.681	CC
ABND VERT DUPPER R G 26-5 GYRO - OWB - GYRO	14,800.00	6,736.55	2,771.42	2,533.58	11.652	ES
ABND VERT DUPPER R G 26-5 GYRO - OWB - GYRO	15,100.00	6,737.11	2,791.36	2,549.80	11.555	SF
ABND VERT DUPPER R G 26-6 - OWB - Design #1	13,443.92	6,710.00	2,811.54	2,495.30	8.890	CC
ABND VERT DUPPER R G 26-6 - OWB - Design #1	13,500.00	6,710.00	2,812.10	2,494.89	8.865	ES
ABND VERT DUPPER R G 26-6 - OWB - Design #1	13,700.00	6,710.00	2,823.18	2,503.16	8.822	SF
ABND VERT SHELTON G 26-17D GYRO - OWB - GYRO	11,560.56	6,697.96	3,563.96	3,412.26	23.494	CC
ABND VERT SHELTON G 26-17D GYRO - OWB - GYRO	11,600.00	6,697.60	3,564.17	3,411.73	23.379	ES
ABND VERT SHELTON G 26-17D GYRO - OWB - GYRO	12,400.00	6,690.31	3,661.47	3,497.68	22.355	SF
EXIST HZ BEEBE DRAW 2-8-26 - OWB - FINAL SURVE	14,116.36	6,842.15	424.61	178.50	1.725	CC, ES, SF
EXIST HZ CENTENNIAL STATE G34-689 - OWB - FINA	10,358.00	6,770.41	578.85	437.24	4.088	CC
EXIST HZ CENTENNIAL STATE G34-689 - OWB - FINA	20,200.00	16,686.44	683.70	73.28	1.120	Level 2, ES, SF
EXIST VERT ARENS G 26-19 GYRO - OWB - GYRO	14,093.59	6,761.69	3,213.48	2,993.91	14.636	CC
EXIST VERT ARENS G 26-19 GYRO - OWB - GYRO	14,200.00	6,761.12	3,215.24	2,993.75	14.517	ES
EXIST VERT ARENS G 26-19 GYRO - OWB - GYRO	14,500.00	6,759.52	3,239.07	3,013.45	14.356	SF
EXIST VERT BEEBE DRAW 1 - OWB - Design #1	14,441.66	6,716.00	521.01	270.29	2.078	CC, ES, SF
EXIST VERT BEEBE DRAW 14-26 - OWB - Design #1	14,956.82	6,724.00	23.02	-334.06	0.064	Level 1, CC, ES, SF
EXIST VERT BEEBE DRAW R G 26-10 GYRO - OWB -	12,151.40	6,733.14	1,564.92	1,397.62	9.354	CC, ES
EXIST VERT BEEBE DRAW R G 26-10 GYRO - OWB -	12,200.00	6,732.69	1,565.68	1,397.94	9.334	SF
EXIST VERT SHELTON R G 26-8 - OWB - Design #1	10,829.60	6,732.00	2,787.08	2,539.71	11.267	CC
EXIST VERT SHELTON R G 26-8 - OWB - Design #1	10,900.00	6,732.00	2,787.97	2,539.43	11.218	ES
EXIST VERT SHELTON R G 26-8 - OWB - Design #1	11,200.00	6,732.00	2,811.59	2,558.97	11.130	SF
EXIST VERT SHELTON RG 26-7 - OWB - GYRO	12,201.95	6,725.31	2,767.07	2,598.33	16.398	CC, ES
EXIST VERT SHELTON RG 26-7 - OWB - GYRO	12,600.00	6,721.70	2,795.55	2,621.54	16.066	SF
SI VERT DUPPER 1 - OWB - Design #1	13,642.28	6,705.00	4,107.58	3,786.10	12.777	CC
SI VERT DUPPER 1 - OWB - Design #1	13,700.00	6,705.00	4,107.98	3,785.33	12.732	ES
SI VERT DUPPER 1 - OWB - Design #1	14,300.00	6,705.00	4,159.90	3,827.44	12.512	SF
SI VERT SHELTON R G 26-2 - OWB - Design #1	12,383.53	6,705.00	3,989.43	3,701.54	13.857	CC
SI VERT SHELTON R G 26-2 - OWB - Design #1	12,500.00	6,705.00	3,991.13	3,700.94	13.753	ES
SI VERT SHELTON R G 26-2 - OWB - Design #1	13,100.00	6,705.00	4,053.26	3,753.57	13.525	SF
SI VERT SHELTON RG 26-1 - OWB - Design #1	10,829.92	6,726.00	4,062.16	3,814.89	16.428	CC
SI VERT SHELTON RG 26-1 - OWB - Design #1	10,900.00	6,726.00	4,062.76	3,814.12	16.340	ES
SI VERT SHELTON RG 26-1 - OWB - Design #1	11,700.00	6,726.00	4,154.29	3,892.64	15.877	SF

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	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 27-T4N-R65W						
ABND VERT ANDERSON 12-27 - OWB - Design #1	20,219.41	6,770.00	2,694.73	2,194.75	5.390	CC
ABND VERT ANDERSON 12-27 - OWB - Design #1	20,300.00	6,770.00	2,695.93	2,194.67	5.378	ES
ABND VERT ANDERSON 12-27 - OWB - Design #1	20,400.00	6,770.00	2,700.77	2,198.38	5.376	SF
ABND VERT ANDERSON 17-27 GYRO - OWB - GYRO	16,844.90	6,763.85	3,611.25	3,318.01	12.315	CC
ABND VERT ANDERSON 17-27 GYRO - OWB - GYRO	16,900.00	6,762.85	3,611.67	3,317.35	12.271	ES
ABND VERT ANDERSON 17-27 GYRO - OWB - GYRO	17,300.00	6,755.66	3,639.80	3,339.67	12.127	SF
ABND VERT BOHLENDER 1 - OWB - Design #1	20,057.32	6,760.00	3,547.17	3,051.75	7.160	CC
ABND VERT BOHLENDER 1 - OWB - Design #1	20,100.00	6,760.00	3,547.43	3,051.17	7.148	ES
ABND VERT BOHLENDER 1 - OWB - Design #1	20,300.00	6,760.00	3,555.46	3,056.02	7.119	SF
ABND VERT BOHLENDER 2 GYRO - OWB - GYRO	17,328.94	6,836.78	4,089.20	3,782.67	13.340	CC
ABND VERT BOHLENDER 2 GYRO - OWB - GYRO	17,400.00	6,835.55	4,089.82	3,781.84	13.280	ES
ABND VERT BOHLENDER 2 GYRO - OWB - GYRO	17,900.00	6,826.95	4,128.87	3,813.38	13.087	SF
ABND VERT DUPPER 3 - OWB - Design #1	15,988.62	6,714.00	2,869.37	2,484.69	7.459	CC
ABND VERT DUPPER 3 - OWB - Design #1	16,000.00	6,714.00	2,869.39	2,484.50	7.455	ES
ABND VERT DUPPER 3 - OWB - Design #1	16,200.00	6,714.00	2,877.14	2,489.30	7.418	SF
ABND VERT KNAUB 22-27 GYRO - OWB - GYRO	18,602.16	6,726.68	2,864.03	2,523.23	8.404	CC, ES
ABND VERT KNAUB 22-27 GYRO - OWB - GYRO	18,800.00	6,726.71	2,870.86	2,527.17	8.353	SF
ABND VERT LIBSACK R G 27-10 GYRO - OWB - GYRO	17,401.98	6,708.62	1,408.76	1,100.62	4.572	CC, ES, SF
ABND VERT LIBSACK R G 27-15 GYRO - OWB - GYRO	17,400.00	6,714.65	294.43	-14.71	0.952	Level 1, ES, SF
ABND VERT LIBSACK R G 27-15 GYRO - OWB - GYRO	17,409.50	6,714.55	294.28	-14.49	0.953	Level 1, CC
ABND VERT OSTER 21-27 GYRO - OWB - GYRO	18,615.70	6,728.06	4,262.72	3,921.61	12.497	CC
ABND VERT OSTER 21-27 GYRO - OWB - GYRO	18,700.00	6,727.02	4,263.55	3,920.71	12.436	ES
ABND VERT OSTER 21-27 GYRO - OWB - GYRO	19,200.00	6,720.92	4,302.57	3,952.21	12.280	SF
ABND VERT OSTER 27-11G GYRO - OWB - GYRO	18,551.89	6,822.46	1,384.05	1,045.09	4.083	CC, ES
ABND VERT OSTER 27-11G GYRO - OWB - GYRO	18,600.00	6,821.71	1,384.89	1,045.66	4.082	SF
ABND VERT OSTER 4-27 - OWB - Design #1	20,173.92	6,760.00	4,264.72	3,766.15	8.554	CC
ABND VERT OSTER 4-27 - OWB - Design #1	20,300.00	6,760.00	4,266.59	3,765.48	8.514	ES
ABND VERT OSTER 4-27 - OWB - Design #1	20,552.28	6,760.00	4,281.47	3,776.32	8.476	SF
ABND VERT OSTER G 34-29 GYRO - OWB - GYRO	19,328.46	6,737.37	292.57	-67.77	0.812	Level 1, CC, ES, SF
ABND VERT OSTER PM G 27-14 GYRO - OWB - GYRO	18,505.48	6,724.28	6.29	-332.17	0.019	Level 1, CC, ES, SF
ABND VERT OSTER R G 27-13 GYRO - OWB - GYRO	20,063.99	6,758.65	194.47	-186.02	0.511	Level 1, CC, ES, SF
EXIST HZ ANDERSON 2-27 - OWB - FINAL SURVEY	17,623.37	6,910.17	4,333.74	3,998.35	12.922	CC
EXIST HZ ANDERSON 2-27 - OWB - FINAL SURVEY	17,700.00	6,906.46	4,334.41	3,997.43	12.862	ES
EXIST HZ ANDERSON 2-27 - OWB - FINAL SURVEY	18,200.00	6,884.79	4,371.88	4,026.91	12.673	SF
EXIST HZ LIBACK 44-27 - OWB - FINAL SURVEY	16,154.90	6,860.02	263.69	-31.45	0.893	Level 1, CC, ES, SF
EXIST HZ LIBSACK 4-8-27 - OWB - GYRO	18,019.09	6,869.80	439.82	113.21	1.347	Level 3, CC, ES, SF
EXIST HZ LIBSACK 8-4-27 - OWB - FINAL SURVEY	15,474.72	6,738.52	2,084.34	1,806.66	7.506	CC
EXIST HZ LIBSACK 8-4-27 - OWB - FINAL SURVEY	15,500.00	6,738.60	2,084.49	1,806.46	7.497	ES
EXIST HZ LIBSACK 8-4-27 - OWB - FINAL SURVEY	15,600.00	6,738.92	2,088.10	1,808.99	7.481	SF
EXIST HZ LIBSACK 8-6-27 GYRO - OWB - GYRO	15,450.92	6,844.69	827.01	570.18	3.220	CC, ES, SF
EXIST HZ LORY 12N - OWB - FINAL SURVEY	20,552.28	12,876.52	416.57	254.39	2.569	CC, ES, SF
EXIST VERT ANDERSON 41-27 - OWB - Design #1	16,137.30	6,707.00	4,315.01	3,926.45	11.105	CC
EXIST VERT ANDERSON 41-27 - OWB - Design #1	16,200.00	6,707.00	4,315.47	3,925.60	11.069	ES
EXIST VERT ANDERSON 41-27 - OWB - Design #1	16,700.00	6,707.00	4,351.55	3,953.35	10.928	SF
EXIST VERT HORN-LIBSACK 1 - OWB - Design #1	16,428.06	6,715.00	1,163.93	767.38	2.935	CC, ES, SF
EXIST VERT OSTER 13-27 GYRO - OWB - GYRO	19,821.56	6,754.96	1,278.61	904.95	3.422	CC, ES, SF
EXIST VERT OSTER 13-27B GYRO - OWB - GYRO	20,268.62	6,754.50	1,708.43	1,322.68	4.429	CC
EXIST VERT OSTER 13-27B GYRO - OWB - GYRO	20,300.00	6,754.18	1,708.72	1,322.63	4.426	ES, SF
SI VERT LIBSACK 43-27 - OWB - Design #1	16,072.52	6,717.00	1,652.21	1,265.22	4.269	CC
SI VERT LIBSACK 43-27 - OWB - Design #1	16,100.00	6,717.00	1,652.44	1,265.15	4.267	ES, SF

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 1 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-94.65	-325.37	-3,998.52	4,012.35					
100.00	100.00	26.06	26.06	0.13	0.03	-94.65	-325.38	-3,998.53	4,011.75	4,011.59	0.16	N/A		
200.00	200.00	116.52	116.52	0.49	0.13	-94.65	-325.59	-3,998.75	4,012.00	4,011.38	0.62	6,470.511		
300.00	300.00	224.70	224.69	0.85	0.26	-94.66	-325.77	-3,998.96	4,012.21	4,011.11	1.10	3,631.574		
400.00	399.98	322.64	322.64	1.20	0.32	33.42	-326.10	-3,999.08	4,010.90	4,009.38	1.52	2,646.285		
500.00	499.84	414.41	414.40	1.55	0.37	33.50	-326.26	-3,999.31	4,006.80	4,004.89	1.91	2,098.948		
600.00	599.45	497.54	497.54	1.91	0.42	33.63	-326.09	-3,999.81	4,000.12	3,997.80	2.32	1,727.059		
700.00	698.70	570.72	570.71	2.29	0.46	33.81	-325.47	-4,000.68	3,991.08	3,988.35	2.72	1,465.129		
800.00	797.47	656.66	656.62	2.70	0.50	34.07	-324.06	-4,002.25	3,979.73	3,976.58	3.15	1,264.004		
900.00	895.62	756.25	756.18	3.14	0.55	34.41	-322.49	-4,004.16	3,965.65	3,962.06	3.59	1,104.300		
1,000.00	993.06	862.94	862.84	3.62	0.60	34.84	-320.99	-4,006.03	3,948.63	3,944.58	4.05	974.898		
1,100.00	1,089.64	968.51	968.39	4.14	0.65	35.33	-319.60	-4,007.61	3,928.60	3,924.07	4.52	868.421		
1,200.00	1,185.27	1,065.83	1,065.69	4.70	0.69	35.87	-318.25	-4,008.93	3,905.72	3,900.70	5.01	779.221		
1,300.00	1,279.82	1,161.15	1,161.00	5.31	0.73	36.48	-316.91	-4,010.22	3,880.19	3,874.66	5.52	702.635		
1,400.00	1,373.17	1,265.93	1,265.76	5.98	0.77	37.20	-315.65	-4,011.50	3,851.96	3,845.90	6.06	635.568		
1,500.00	1,465.22	1,377.92	1,377.74	6.70	0.82	38.00	-314.56	-4,012.36	3,820.81	3,814.18	6.63	576.434		
1,600.00	1,556.72	1,471.43	1,471.24	7.45	0.85	38.38	-313.56	-4,012.76	3,788.43	3,781.23	7.20	526.177		
1,700.00	1,648.21	1,564.10	1,563.91	8.21	0.88	38.77	-312.52	-4,013.17	3,756.24	3,748.45	7.79	482.470		
1,800.00	1,739.71	1,662.52	1,662.33	8.99	0.92	39.19	-311.54	-4,013.50	3,724.10	3,715.72	8.38	444.250		
1,900.00	1,831.20	1,772.35	1,772.15	9.77	0.95	39.67	-310.74	-4,013.51	3,691.85	3,682.86	8.98	410.931		
2,000.00	1,922.69	1,868.94	1,868.74	10.56	0.97	40.09	-310.15	-4,013.10	3,659.37	3,649.78	9.59	381.528		
2,100.00	2,014.19	1,960.73	1,960.53	11.35	0.99	40.49	-309.64	-4,012.70	3,627.05	3,616.84	10.21	355.314		
2,200.00	2,105.68	2,060.26	2,060.06	12.14	1.01	40.94	-309.25	-4,012.18	3,594.83	3,584.00	10.83	331.924		
2,300.00	2,197.18	2,164.98	2,164.77	12.94	1.03	41.41	-309.05	-4,011.27	3,562.47	3,551.01	11.46	310.890		
2,400.00	2,288.67	2,257.04	2,256.82	13.74	1.04	41.84	-308.83	-4,010.23	3,530.05	3,517.95	12.10	291.748		
2,500.00	2,380.17	2,354.66	2,354.44	14.54	1.06	42.30	-308.58	-4,009.16	3,497.85	3,485.10	12.75	274.396		
2,600.00	2,471.66	2,465.45	2,465.21	15.35	1.07	42.82	-308.66	-4,007.45	3,465.43	3,452.03	13.40	258.636		
2,700.00	2,563.16	2,560.61	2,560.36	16.15	1.09	43.28	-309.00	-4,005.59	3,432.82	3,418.75	14.06	244.098		
2,800.00	2,654.65	2,645.58	2,645.31	16.96	1.10	43.69	-309.34	-4,004.00	3,400.47	3,385.73	14.74	230.698		
2,900.00	2,746.15	2,735.22	2,734.94	17.76	1.11	44.13	-309.91	-4,002.50	3,368.50	3,353.08	15.42	218.407		
3,000.00	2,837.64	2,833.27	2,832.96	18.57	1.13	44.62	-310.80	-4,000.70	3,336.56	3,320.45	16.11	207.105		
3,100.00	2,929.14	2,920.67	2,920.34	19.38	1.14	45.06	-311.52	-3,999.05	3,304.79	3,287.98	16.81	196.585		
3,200.00	3,020.63	3,000.61	3,000.28	20.19	1.15	45.47	-312.04	-3,997.74	3,273.47	3,255.94	17.52	186.796		
3,300.00	3,112.13	3,077.38	3,077.03	21.00	1.16	45.88	-312.60	-3,996.79	3,242.72	3,224.48	18.25	177.710		
3,400.00	3,203.62	3,167.07	3,166.72	21.81	1.18	46.35	-313.40	-3,995.97	3,212.48	3,193.51	18.97	169.327		
3,500.00	3,295.12	3,249.47	3,249.11	22.63	1.19	46.79	-314.09	-3,995.24	3,182.51	3,162.80	19.71	161.474		
3,600.00	3,386.61	3,328.68	3,328.32	23.44	1.20	47.22	-314.73	-3,994.89	3,153.18	3,132.72	20.46	154.142		
3,700.00	3,478.10	3,415.23	3,414.87	24.25	1.21	47.70	-315.47	-3,994.74	3,124.31	3,103.10	21.21	147.320		
3,800.00	3,569.60	3,505.44	3,505.08	25.06	1.22	48.21	-316.25	-3,994.66	3,095.78	3,073.82	21.97	140.941		
3,900.00	3,661.09	3,591.25	3,590.88	25.88	1.23	48.70	-316.74	-3,994.65	3,067.62	3,044.89	22.73	134.938		
4,000.00	3,752.59	3,675.73	3,675.35	26.69	1.25	49.19	-317.13	-3,994.81	3,039.92	3,016.41	23.51	129.295		
4,100.00	3,844.08	3,767.10	3,766.72	27.50	1.26	49.73	-317.97	-3,995.20	3,012.63	2,988.34	24.29	124.017		
4,200.00	3,935.58	3,861.20	3,860.81	28.32	1.27	50.28	-319.12	-3,995.58	2,985.56	2,960.49	25.08	119.050		
4,300.00	4,027.07	3,953.79	3,953.40	29.13	1.29	50.84	-320.36	-3,995.93	2,958.72	2,932.84	25.87	114.354		
4,400.00	4,118.57	4,038.01	4,037.61	29.95	1.30	51.35	-321.41	-3,996.28	2,932.21	2,905.53	26.68	109.892		
4,500.00	4,210.06	4,115.50	4,115.10	30.76	1.31	51.83	-322.18	-3,996.92	2,906.42	2,878.91	27.51	105.665		
4,600.00	4,301.56	4,195.75	4,195.33	31.58	1.33	52.34	-322.84	-3,997.93	2,881.33	2,853.00	28.34	101.684		
4,700.00	4,393.05	4,291.95	4,291.52	32.39	1.34	52.95	-323.80	-3,999.31	2,856.70	2,827.54	29.16	97.957		
4,800.00	4,484.55	4,389.16	4,388.72	33.21	1.36	53.57	-325.08	-4,000.61	2,832.22	2,802.22	30.00	94.420		
4,900.00	4,576.04	4,476.30	4,475.84	34.02	1.38	54.14	-326.12	-4,001.74	2,808.04	2,777.19	30.85	91.035		
5,000.00	4,667.54	4,561.11	4,560.63	34.84	1.39	54.70	-327.00	-4,003.00	2,784.41	2,752.70	31.71	87.818		
5,100.00	4,759.03	4,662.77	4,662.27	35.65	1.41	55.38	-328.36	-4,004.70	2,761.22	2,728.66	32.56	84.803		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 1 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,850.53	4,760.16	4,759.64	36.47	1.43	56.05	-329.73	-4,005.85	2,737.90	2,704.47	33.43	81.910		
5,300.00	4,942.02	4,849.39	4,848.87	37.28	1.45	56.67	-330.48	-4,006.82	2,715.00	2,680.69	34.31	79.135		
5,400.00	5,033.51	4,937.51	4,936.98	38.10	1.47	57.31	-330.77	-4,007.74	2,692.57	2,657.37	35.20	76.486		
5,500.00	5,125.01	5,028.49	5,027.95	38.92	1.49	57.98	-330.90	-4,008.80	2,670.69	2,634.59	36.11	73.970		
5,600.00	5,216.50	5,129.77	5,129.22	39.73	1.51	58.73	-331.30	-4,009.78	2,648.98	2,611.98	37.00	71.585		
5,700.00	5,308.00	5,221.90	5,221.36	40.55	1.53	59.43	-331.54	-4,010.45	2,627.51	2,589.59	37.92	69.288		
5,800.00	5,399.49	5,307.41	5,306.86	41.36	1.55	60.09	-331.75	-4,011.23	2,606.63	2,567.78	38.85	67.093		
5,900.00	5,490.99	5,410.36	5,409.81	42.18	1.57	60.89	-332.09	-4,012.08	2,586.08	2,546.31	39.77	65.021		
6,000.00	5,582.48	5,498.52	5,497.96	43.00	1.59	61.59	-332.47	-4,012.72	2,565.87	2,525.16	40.71	63.022		
6,100.00	5,673.98	5,602.03	5,601.47	43.81	1.61	62.42	-333.12	-4,013.36	2,545.95	2,504.30	41.64	61.135		
6,200.00	5,765.47	5,692.90	5,692.34	44.63	1.63	63.15	-333.73	-4,013.73	2,526.30	2,483.70	42.59	59.312		
6,300.00	5,856.97	5,780.06	5,779.49	45.45	1.65	63.87	-334.20	-4,014.12	2,507.21	2,463.66	43.55	57.568		
6,400.00	5,948.46	5,875.35	5,874.78	46.26	1.67	64.66	-334.81	-4,014.67	2,488.67	2,444.16	44.51	55.915		
6,500.00	6,039.96	5,969.42	5,968.85	47.08	1.70	65.45	-335.57	-4,015.11	2,470.46	2,425.00	45.47	54.333		
6,600.00	6,131.45	6,056.99	6,056.42	47.90	1.71	66.21	-335.87	-4,015.34	2,452.79	2,406.35	46.44	52.814		
6,700.00	6,222.95	6,145.00	6,144.43	48.71	1.73	66.98	-335.87	-4,015.64	2,435.85	2,388.43	47.42	51.367		
6,800.00	6,314.44	6,240.50	6,239.92	49.53	1.74	67.82	-335.92	-4,016.01	2,419.48	2,371.08	48.39	49.995		
6,900.00	6,405.93	6,333.88	6,333.31	50.35	1.74	68.67	-335.61	-4,015.89	2,403.41	2,354.04	49.37	48.680		
7,000.00	6,497.01	6,419.53	6,418.95	51.18	1.75	64.78	-335.12	-4,015.91	2,387.04	2,336.66	50.38	47.384		
7,100.00	6,582.62	6,516.78	6,516.20	52.20	1.75	58.68	-334.46	-4,015.63	2,359.18	2,307.67	51.52	45.792		
7,200.00	6,659.25	6,592.90	6,592.32	53.42	1.75	57.30	-333.88	-4,015.19	2,318.18	2,265.34	52.84	43.874		
7,300.00	6,724.59	6,652.68	6,652.10	54.84	1.75	59.14	-333.37	-4,014.84	2,265.84	2,211.54	54.30	41.725		
7,400.00	6,776.64	6,699.78	6,699.19	56.40	1.75	63.77	-332.91	-4,014.65	2,204.16	2,148.27	55.89	39.438		
7,500.00	6,813.82	6,734.92	6,734.33	58.08	1.76	71.10	-332.54	-4,014.56	2,135.20	2,077.64	57.56	37.093		
7,600.00	6,835.01	6,754.97	6,754.38	59.82	1.76	80.83	-332.33	-4,014.52	2,061.19	2,001.90	59.29	34.766		
7,700.00	6,840.00	6,759.60	6,759.00	61.57	1.76	89.50	-332.28	-4,014.51	1,984.49	1,923.47	61.02	32.520		
7,800.00	6,840.00	6,759.46	6,758.86	63.35	1.76	89.50	-332.28	-4,014.51	1,908.82	1,845.98	62.84	30.376		
7,900.00	6,840.00	6,759.31	6,758.72	65.20	1.76	89.49	-332.29	-4,014.51	1,835.48	1,770.70	64.78	28.334		
8,000.00	6,840.00	6,759.17	6,758.58	67.10	1.76	89.49	-332.29	-4,014.51	1,764.76	1,697.91	66.85	26.400		
8,100.00	6,840.00	6,759.03	6,758.44	69.05	1.76	89.48	-332.29	-4,014.51	1,696.98	1,627.95	69.03	24.584		
8,200.00	6,840.00	6,758.89	6,758.29	71.06	1.76	89.47	-332.29	-4,014.51	1,632.52	1,561.21	71.32	22.891		
8,300.00	6,840.00	6,758.74	6,758.15	73.11	1.76	89.47	-332.29	-4,014.51	1,571.79	1,498.09	73.70	21.328		
8,400.00	6,840.00	6,758.60	6,758.00	75.21	1.76	89.46	-332.29	-4,014.51	1,515.22	1,439.09	76.13	19.902		
8,500.00	6,840.00	6,758.45	6,757.86	77.34	1.76	89.45	-332.29	-4,014.51	1,463.31	1,384.72	78.59	18.619		
8,600.00	6,840.00	6,758.30	6,757.71	79.51	1.76	89.45	-332.30	-4,014.51	1,416.57	1,335.55	81.02	17.483		
8,700.00	6,840.00	6,758.16	6,757.56	81.72	1.76	89.44	-332.30	-4,014.51	1,375.52	1,292.15	83.37	16.499		
8,800.00	6,840.00	6,758.01	6,757.41	83.95	1.76	89.43	-332.30	-4,014.51	1,340.69	1,255.14	85.55	15.671		
8,900.00	6,840.00	6,757.86	6,757.27	86.22	1.76	89.43	-332.30	-4,014.51	1,312.57	1,225.07	87.50	15.001		
9,000.00	6,840.00	6,757.71	6,757.12	88.51	1.76	89.42	-332.30	-4,014.51	1,291.59	1,202.45	89.14	14.490		
9,100.00	6,840.00	6,757.56	6,756.96	90.83	1.76	89.41	-332.30	-4,014.51	1,278.12	1,187.72	90.40	14.139		
9,200.00	6,840.00	6,757.40	6,756.81	93.16	1.76	89.41	-332.31	-4,014.51	1,272.39	1,181.16	91.23	13.948		
9,223.08	6,840.00	6,757.37	6,756.78	93.71	1.76	89.40	-332.31	-4,014.51	1,272.18	1,180.83	91.35	13.926 CC, ES		
9,300.00	6,840.00	6,757.25	6,756.66	95.52	1.76	89.40	-332.31	-4,014.51	1,274.51	1,182.91	91.60	13.914 SF		
9,400.00	6,840.00	6,757.10	6,756.51	97.90	1.76	89.39	-332.31	-4,014.51	1,284.43	1,192.92	91.50	14.037		
9,500.00	6,840.00	6,756.94	6,756.35	100.30	1.76	89.39	-332.31	-4,014.51	1,301.97	1,211.00	90.97	14.312		
9,600.00	6,840.00	6,756.79	6,756.20	102.72	1.76	89.38	-332.31	-4,014.52	1,326.84	1,236.80	90.05	14.735		
9,700.00	6,840.00	6,756.63	6,756.04	105.15	1.76	89.37	-332.31	-4,014.52	1,358.64	1,269.85	88.79	15.302		
9,800.00	6,840.00	6,756.47	6,755.88	107.59	1.76	89.36	-332.31	-4,014.52	1,396.88	1,309.62	87.26	16.008		
9,900.00	6,840.00	6,756.31	6,755.72	110.05	1.76	89.36	-332.32	-4,014.52	1,441.07	1,355.52	85.54	16.846		
10,000.00	6,840.00	6,756.16	6,755.56	112.52	1.76	89.35	-332.32	-4,014.52	1,490.66	1,406.96	83.70	17.810		
10,100.00	6,840.00	6,756.00	6,755.40	115.00	1.76	89.34	-332.32	-4,014.52	1,545.13	1,463.36	81.77	18.895		
10,200.00	6,840.00	6,755.83	6,755.24	117.50	1.76	89.34	-332.32	-4,014.52	1,604.00	1,524.18	79.83	20.094		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 1 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	6,755.67	6,755.08	120.00	1.76	89.33	-332.32	-4,014.52	1,666.79	1,588.90	77.89	21.399		
10,400.00	6,840.00	6,755.51	6,754.92	122.51	1.76	89.32	-332.32	-4,014.52	1,733.09	1,657.09	76.00	22.805		
10,500.00	6,840.00	6,755.34	6,754.75	125.04	1.76	89.31	-332.33	-4,014.52	1,802.49	1,728.33	74.16	24.305		
10,600.00	6,840.00	6,755.18	6,754.59	127.57	1.76	89.31	-332.33	-4,014.52	1,874.66	1,802.26	72.40	25.892		
10,700.00	6,840.00	6,755.01	6,754.42	130.11	1.76	89.30	-332.33	-4,014.52	1,949.29	1,878.56	70.73	27.560		
10,800.00	6,840.00	6,754.85	6,754.26	132.66	1.76	89.29	-332.33	-4,014.52	2,026.11	1,956.97	69.14	29.304		
10,900.00	6,840.00	6,754.68	6,754.09	135.21	1.76	89.28	-332.33	-4,014.52	2,104.88	2,037.23	67.64	31.117		
11,000.00	6,840.00	6,754.51	6,753.92	137.77	1.76	89.28	-332.34	-4,014.52	2,185.38	2,119.15	66.24	32.994		
11,100.00	6,840.00	6,754.34	6,753.75	140.34	1.76	89.27	-332.34	-4,014.52	2,267.44	2,202.52	64.91	34.930		
11,200.00	6,840.00	6,754.17	6,753.58	142.91	1.76	89.26	-332.34	-4,014.52	2,350.88	2,287.21	63.68	36.919		
11,300.00	6,840.00	6,754.00	6,753.41	145.49	1.76	89.25	-332.34	-4,014.52	2,435.58	2,373.06	62.52	38.958		
11,400.00	6,840.00	6,753.82	6,753.23	148.07	1.76	89.24	-332.34	-4,014.52	2,521.39	2,459.96	61.44	41.041		
11,500.00	6,840.00	6,753.65	6,753.06	150.66	1.76	89.24	-332.34	-4,014.52	2,608.22	2,547.79	60.42	43.165		
11,600.00	6,840.00	6,753.47	6,752.88	153.25	1.76	89.23	-332.35	-4,014.52	2,695.96	2,636.48	59.48	45.326		
11,700.00	6,840.00	6,753.30	6,752.71	155.85	1.76	89.22	-332.35	-4,014.52	2,784.52	2,725.93	58.60	47.520		
11,800.00	6,840.00	6,753.12	6,752.53	158.45	1.76	89.21	-332.35	-4,014.52	2,873.84	2,816.07	57.77	49.744		
11,900.00	6,840.00	6,752.94	6,752.35	161.06	1.76	89.21	-332.35	-4,014.52	2,963.84	2,906.84	57.00	51.996		
12,000.00	6,840.00	6,752.76	6,752.17	163.67	1.76	89.20	-332.35	-4,014.52	3,054.46	2,998.18	56.28	54.271		
12,100.00	6,840.00	6,752.58	6,751.99	166.28	1.76	89.19	-332.36	-4,014.52	3,145.65	3,090.04	55.61	56.568		
12,200.00	6,840.00	6,752.40	6,751.81	168.90	1.76	89.18	-332.36	-4,014.52	3,237.36	3,182.38	54.98	58.883		
12,300.00	6,840.00	6,752.22	6,751.63	171.52	1.76	89.17	-332.36	-4,014.52	3,329.54	3,275.15	54.39	61.216		
12,400.00	6,840.00	6,752.03	6,751.44	174.15	1.76	89.16	-332.36	-4,014.52	3,422.17	3,368.33	53.84	63.564		
12,500.00	6,840.00	6,751.85	6,751.26	176.77	1.76	89.16	-332.36	-4,014.52	3,515.20	3,461.88	53.32	65.924		
12,600.00	6,840.00	6,751.66	6,751.07	179.40	1.76	89.15	-332.36	-4,014.52	3,608.60	3,555.76	52.84	68.295		
12,700.00	6,840.00	6,751.47	6,750.88	182.04	1.76	89.14	-332.37	-4,014.52	3,702.35	3,649.97	52.38	70.676		
12,800.00	6,840.00	6,751.28	6,750.69	184.67	1.76	89.13	-332.37	-4,014.52	3,796.42	3,744.46	51.96	73.065		
12,900.00	6,840.00	6,751.09	6,750.50	187.31	1.76	89.12	-332.37	-4,014.52	3,890.78	3,839.22	51.56	75.461		
13,000.00	6,840.00	6,750.90	6,750.31	189.95	1.76	89.11	-332.37	-4,014.53	3,985.42	3,934.23	51.19	77.862		
13,100.00	6,840.00	6,750.71	6,750.12	192.59	1.76	89.10	-332.37	-4,014.53	4,080.31	4,029.48	50.83	80.267		
13,200.00	6,840.00	6,750.52	6,749.92	195.24	1.76	89.10	-332.38	-4,014.53	4,175.44	4,124.94	50.50	82.675		
13,300.00	6,840.00	6,750.32	6,749.73	197.88	1.76	89.09	-332.38	-4,014.53	4,270.80	4,220.60	50.19	85.086		
13,400.00	6,840.00	6,750.12	6,749.53	200.53	1.76	89.08	-332.38	-4,014.53	4,366.36	4,316.45	49.90	87.498		
13,500.00	6,840.00	6,749.93	6,749.33	203.18	1.76	89.07	-332.38	-4,014.53	4,462.11	4,412.48	49.63	89.910		
13,600.00	6,840.00	6,749.73	6,749.14	205.83	1.76	89.06	-332.38	-4,014.53	4,558.05	4,508.68	49.37	92.322		
13,700.00	6,840.00	6,749.53	6,748.94	208.49	1.76	89.05	-332.39	-4,014.53	4,654.16	4,605.03	49.13	94.732		
13,800.00	6,840.00	6,749.32	6,748.73	211.14	1.76	89.04	-332.39	-4,014.53	4,750.43	4,701.53	48.90	97.142		
13,900.00	6,840.00	6,749.12	6,748.53	213.80	1.76	89.03	-332.39	-4,014.53	4,846.85	4,798.16	48.69	99.549		
14,000.00	6,840.00	6,748.92	6,748.33	216.46	1.76	89.02	-332.39	-4,014.53	4,943.42	4,894.93	48.49	101.953		
14,100.00	6,840.00	6,748.71	6,748.12	219.12	1.76	89.01	-332.40	-4,014.53	5,040.11	4,991.82	48.30	104.353		
14,200.00	6,840.00	6,748.50	6,747.91	221.78	1.76	89.01	-332.40	-4,014.53	5,136.94	5,088.82	48.12	106.750		
14,300.00	6,840.00	6,748.30	6,747.71	224.45	1.76	89.00	-332.40	-4,014.53	5,233.88	5,185.93	47.95	109.142		
14,400.00	6,840.00	6,748.09	6,747.50	227.11	1.76	88.99	-332.40	-4,014.53	5,330.94	5,283.14	47.80	111.530		
14,500.00	6,840.00	6,747.88	6,747.28	229.78	1.76	88.98	-332.40	-4,014.53	5,428.10	5,380.45	47.65	113.913		
14,600.00	6,840.00	6,747.66	6,747.07	232.45	1.76	88.97	-332.41	-4,014.53	5,525.36	5,477.85	47.51	116.291		
14,700.00	6,840.00	6,747.45	6,746.86	235.12	1.76	88.96	-332.41	-4,014.53	5,622.72	5,575.34	47.38	118.662		
14,800.00	6,840.00	6,747.23	6,746.64	237.79	1.76	88.95	-332.41	-4,014.53	5,720.18	5,672.91	47.26	121.028		
14,900.00	6,840.00	6,747.02	6,746.42	240.46	1.76	88.94	-332.41	-4,014.53	5,817.71	5,770.56	47.15	123.387		
15,000.00	6,840.00	6,746.80	6,746.21	243.13	1.76	88.93	-332.42	-4,014.53	5,915.33	5,868.29	47.04	125.740		
15,100.00	6,840.00	6,746.58	6,745.99	245.80	1.76	88.92	-332.42	-4,014.53	6,013.03	5,966.09	46.95	128.086		
15,200.00	6,840.00	6,746.36	6,745.76	248.48	1.76	88.91	-332.42	-4,014.53	6,110.81	6,063.95	46.85	130.425		
15,300.00	6,840.00	6,746.13	6,745.54	251.15	1.76	88.90	-332.42	-4,014.53	6,208.65	6,161.88	46.77	132.757		
15,400.00	6,840.00	6,745.91	6,745.32	253.83	1.76	88.89	-332.42	-4,014.53	6,306.56	6,259.87	46.69	135.081		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 1 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	6,840.00	6,745.68	6,745.09	256.51	1.76	88.88	-332.43	-4,014.53	6,404.54	6,357.92	46.61	137.398		
15,600.00	6,840.00	6,745.45	6,744.86	259.19	1.76	88.87	-332.43	-4,014.54	6,502.57	6,456.03	46.54	139.708		
15,700.00	6,840.00	6,745.22	6,744.63	261.87	1.76	88.86	-332.43	-4,014.54	6,600.67	6,554.19	46.48	142.009		
15,800.00	6,840.00	6,744.99	6,744.40	264.55	1.76	88.85	-332.43	-4,014.54	6,698.82	6,652.40	46.42	144.302		
15,900.00	6,840.00	6,744.76	6,744.17	267.23	1.76	88.84	-332.44	-4,014.54	6,797.03	6,750.66	46.37	146.587		
16,000.00	6,840.00	6,744.53	6,743.93	269.91	1.76	88.83	-332.44	-4,014.54	6,895.29	6,848.97	46.32	148.864		
16,100.00	6,840.00	6,744.29	6,743.70	272.59	1.76	88.82	-332.44	-4,014.54	6,993.59	6,947.32	46.27	151.133		
16,200.00	6,840.00	6,744.05	6,743.46	275.28	1.76	88.80	-332.44	-4,014.54	7,091.95	7,045.71	46.23	153.393		
16,300.00	6,840.00	6,743.81	6,743.22	277.96	1.76	88.79	-332.45	-4,014.54	7,190.35	7,144.15	46.20	155.644		
16,400.00	6,840.00	6,743.57	6,742.98	280.64	1.76	88.78	-332.45	-4,014.54	7,288.79	7,242.63	46.16	157.887		
16,500.00	6,840.00	6,743.33	6,742.74	283.33	1.76	88.77	-332.45	-4,014.54	7,387.28	7,341.14	46.14	160.121		
16,600.00	6,840.00	6,743.08	6,742.49	286.02	1.76	88.76	-332.45	-4,014.54	7,485.80	7,439.69	46.11	162.346		
16,700.00	6,840.00	6,742.84	6,742.25	288.70	1.76	88.75	-332.46	-4,014.54	7,584.37	7,538.28	46.09	164.562		
16,800.00	6,840.00	6,742.59	6,742.00	291.39	1.76	88.74	-332.46	-4,014.54	7,682.97	7,636.90	46.07	166.770		
16,900.00	6,840.00	6,742.34	6,741.75	294.08	1.76	88.73	-332.46	-4,014.54	7,781.61	7,735.55	46.05	168.968		
17,000.00	6,840.00	6,742.09	6,741.49	296.77	1.76	88.72	-332.46	-4,014.54	7,880.28	7,834.24	46.04	171.157		
17,100.00	6,840.00	6,741.83	6,741.24	299.46	1.76	88.70	-332.47	-4,014.54	7,978.98	7,932.95	46.03	173.337		
17,200.00	6,840.00	6,741.58	6,740.99	302.14	1.76	88.69	-332.47	-4,014.54	8,077.72	8,031.69	46.02	175.508		
17,300.00	6,840.00	6,741.32	6,740.73	304.84	1.76	88.68	-332.47	-4,014.54	8,176.49	8,130.46	46.02	177.670		
17,400.00	6,840.00	6,741.06	6,740.47	307.53	1.76	88.67	-332.48	-4,014.54	8,275.28	8,229.26	46.02	179.822		
17,500.00	6,840.00	6,740.80	6,740.21	310.22	1.76	88.66	-332.48	-4,014.54	8,374.11	8,328.09	46.02	181.965		
17,600.00	6,840.00	6,740.53	6,739.94	312.91	1.76	88.65	-332.48	-4,014.54	8,472.96	8,426.94	46.02	184.099		
17,700.00	6,840.00	6,740.27	6,739.68	315.60	1.76	88.63	-332.48	-4,014.55	8,571.84	8,525.81	46.03	186.223		
17,800.00	6,840.00	6,740.00	6,739.41	318.29	1.76	88.62	-332.49	-4,014.55	8,670.74	8,624.71	46.04	188.339		
17,900.00	6,840.00	6,739.73	6,739.14	320.99	1.76	88.61	-332.49	-4,014.55	8,769.67	8,723.63	46.05	190.444		
18,000.00	6,840.00	6,739.46	6,738.87	323.68	1.76	88.60	-332.49	-4,014.55	8,868.63	8,822.57	46.06	192.540		
18,100.00	6,840.00	6,739.18	6,738.59	326.38	1.76	88.59	-332.49	-4,014.55	8,967.60	8,921.53	46.08	194.627		
18,200.00	6,840.00	6,738.91	6,738.32	329.07	1.76	88.57	-332.50	-4,014.55	9,066.60	9,020.51	46.09	196.704		
18,300.00	6,840.00	6,738.63	6,738.04	331.77	1.76	88.56	-332.50	-4,014.55	9,165.63	9,119.51	46.11	198.772		
18,400.00	6,840.00	6,738.35	6,737.76	334.46	1.76	88.55	-332.50	-4,014.55	9,264.67	9,218.54	46.13	200.830		
18,500.00	6,840.00	6,738.07	6,737.48	337.16	1.76	88.54	-332.51	-4,014.55	9,363.73	9,317.58	46.15	202.879		
18,600.00	6,840.00	6,737.78	6,737.19	339.85	1.76	88.52	-332.51	-4,014.55	9,462.81	9,416.63	46.18	204.919		
18,700.00	6,840.00	6,737.50	6,736.91	342.55	1.76	88.51	-332.51	-4,014.55	9,561.91	9,515.71	46.20	206.948		
18,800.00	6,840.00	6,737.21	6,736.62	345.25	1.76	88.50	-332.52	-4,014.55	9,661.03	9,614.80	46.23	208.969		
18,900.00	6,840.00	6,736.92	6,736.33	347.94	1.76	88.48	-332.52	-4,014.55	9,760.17	9,713.91	46.26	210.979		
19,000.00	6,840.00	6,736.62	6,736.03	350.64	1.76	88.47	-332.52	-4,014.55	9,859.33	9,813.04	46.29	212.980		
19,100.00	6,840.00	6,736.33	6,735.74	353.34	1.76	88.46	-332.52	-4,014.55	9,958.50	9,912.17	46.32	214.972		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 2 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-92.33	-121.50	-2,991.26	2,994.48					
100.00	100.00	28.59	28.59	0.13	0.03	-92.33	-121.51	-2,991.28	2,993.75	2,993.59	0.16	N/A		
200.00	200.00	116.75	116.75	0.49	0.13	-92.33	-121.68	-2,991.60	2,994.12	2,993.50	0.62	4,825.757		
300.00	300.00	211.49	211.48	0.85	0.24	-92.33	-121.80	-2,992.19	2,994.74	2,993.65	1.10	2,733.890		
400.00	399.98	302.80	302.79	1.20	0.32	35.74	-121.98	-2,992.97	2,994.19	2,992.67	1.52	1,971.624		
500.00	499.84	404.79	404.77	1.55	0.39	35.83	-122.50	-2,993.95	2,990.92	2,988.99	1.93	1,546.614		
600.00	599.45	516.27	516.26	1.91	0.46	36.00	-123.21	-2,994.75	2,984.60	2,982.24	2.36	1,265.425		
700.00	698.70	622.58	622.56	2.29	0.52	36.26	-123.55	-2,995.19	2,975.15	2,972.37	2.78	1,069.303		
800.00	797.47	726.01	725.99	2.70	0.56	36.59	-123.58	-2,995.43	2,962.74	2,959.53	3.21	923.619		
900.00	895.62	830.25	830.23	3.14	0.59	37.01	-123.37	-2,995.48	2,947.41	2,943.77	3.64	810.592		
1,000.00	993.06	929.83	929.81	3.62	0.62	37.52	-122.78	-2,995.37	2,929.21	2,925.13	4.08	717.343		
1,100.00	1,089.64	1,021.73	1,021.71	4.14	0.65	38.09	-121.84	-2,995.35	2,908.45	2,903.90	4.55	639.570		
1,200.00	1,185.27	1,112.54	1,112.50	4.70	0.68	38.74	-120.67	-2,995.47	2,885.27	2,880.23	5.04	573.005		
1,300.00	1,279.82	1,202.31	1,202.27	5.31	0.72	39.48	-119.39	-2,995.73	2,859.74	2,854.19	5.55	515.291		
1,400.00	1,373.17	1,283.71	1,283.65	5.98	0.75	40.27	-118.19	-2,996.21	2,832.05	2,825.96	6.09	464.828		
1,500.00	1,465.22	1,368.17	1,368.10	6.70	0.78	41.11	-117.05	-2,997.00	2,802.37	2,795.70	6.67	419.874		
1,600.00	1,556.72	1,457.26	1,457.18	7.45	0.81	41.65	-116.12	-2,998.02	2,772.09	2,764.81	7.27	381.043		
1,700.00	1,648.21	1,553.07	1,552.99	8.21	0.85	42.22	-115.49	-2,999.09	2,742.03	2,734.14	7.90	347.290		
1,800.00	1,739.71	1,654.54	1,654.46	8.99	0.89	42.84	-115.22	-2,999.96	2,711.98	2,703.44	8.53	317.847		
1,900.00	1,831.20	1,755.05	1,754.96	9.77	0.92	43.46	-115.14	-3,000.45	2,681.83	2,672.65	9.18	292.250		
2,000.00	1,922.69	1,845.27	1,845.18	10.56	0.94	44.03	-114.72	-3,000.69	2,651.77	2,641.94	9.83	269.714		
2,100.00	2,014.19	1,928.88	1,928.78	11.35	0.97	44.58	-114.06	-3,001.11	2,622.22	2,611.71	10.50	249.651		
2,200.00	2,105.68	2,012.45	2,012.35	12.14	1.00	45.14	-113.45	-3,001.78	2,593.22	2,582.03	11.19	231.760		
2,300.00	2,197.18	2,093.88	2,093.77	12.94	1.03	45.69	-113.05	-3,002.74	2,564.86	2,552.97	11.89	215.733		
2,400.00	2,288.67	2,185.55	2,185.43	13.74	1.06	46.31	-112.95	-3,004.06	2,537.01	2,524.41	12.60	201.352		
2,500.00	2,380.17	2,284.31	2,284.19	14.54	1.10	46.99	-113.30	-3,005.40	2,509.34	2,496.02	13.32	188.391		
2,600.00	2,471.66	2,412.32	2,412.19	15.35	1.10	47.88	-113.73	-3,006.08	2,481.26	2,467.24	14.01	177.047		
2,700.00	2,563.16	2,546.06	2,545.92	16.15	1.11	48.88	-113.29	-3,004.61	2,452.13	2,437.43	14.70	166.773		
2,800.00	2,654.65	2,659.29	2,659.11	16.96	1.12	49.73	-114.04	-3,001.57	2,421.68	2,406.27	15.41	157.107		
2,900.00	2,746.15	2,746.51	2,746.29	17.76	1.12	50.40	-114.36	-2,999.06	2,391.53	2,375.37	16.16	148.028		
3,000.00	2,837.64	2,828.65	2,828.40	18.57	1.13	51.06	-114.49	-2,996.85	2,361.93	2,345.02	16.91	139.642		
3,100.00	2,929.14	2,904.82	2,904.55	19.38	1.14	51.68	-114.43	-2,995.19	2,333.23	2,315.54	17.69	131.897		
3,200.00	3,020.63	2,986.31	2,986.03	20.19	1.14	52.35	-114.28	-2,993.82	2,305.39	2,286.92	18.47	124.787		
3,300.00	3,112.13	3,073.34	3,073.06	21.00	1.15	53.09	-114.19	-2,992.65	2,278.26	2,258.99	19.27	118.244		
3,400.00	3,203.62	3,164.06	3,163.77	21.81	1.16	53.86	-114.41	-2,991.59	2,251.64	2,231.58	20.07	112.203		
3,500.00	3,295.12	3,261.84	3,261.53	22.63	1.17	54.69	-115.53	-2,990.55	2,225.37	2,204.49	20.87	106.620		
3,600.00	3,386.61	3,360.87	3,360.53	23.44	1.18	55.53	-117.58	-2,989.33	2,199.15	2,177.47	21.68	101.421		
3,700.00	3,478.10	3,444.32	3,443.97	24.25	1.19	56.27	-118.50	-2,988.00	2,173.30	2,150.78	22.52	96.497		
3,800.00	3,569.60	3,518.54	3,518.18	25.06	1.20	56.96	-118.50	-2,987.13	2,148.55	2,125.17	23.38	91.889		
3,900.00	3,661.09	3,592.67	3,592.31	25.88	1.21	57.67	-117.99	-2,986.73	2,125.05	2,100.79	24.26	87.612		
4,000.00	3,752.59	3,673.26	3,672.90	26.69	1.23	58.46	-117.16	-2,986.77	2,102.70	2,077.56	25.14	83.639		
4,100.00	3,844.08	3,755.26	3,754.89	27.50	1.24	59.27	-116.36	-2,987.22	2,081.33	2,055.30	26.04	79.941		
4,200.00	3,935.58	3,839.90	3,839.52	28.32	1.26	60.11	-115.79	-2,988.16	2,060.92	2,033.98	26.94	76.505		
4,300.00	4,027.07	3,928.75	3,928.36	29.13	1.28	60.98	-115.97	-2,989.66	2,041.29	2,013.45	27.84	73.311		
4,400.00	4,118.57	4,020.66	4,020.24	29.95	1.30	61.86	-117.17	-2,991.66	2,022.27	1,993.52	28.75	70.335		
4,500.00	4,210.06	4,113.51	4,113.04	30.76	1.31	62.75	-119.23	-2,994.07	2,003.81	1,974.15	29.66	67.554		
4,600.00	4,301.56	4,213.16	4,212.61	31.58	1.33	63.70	-122.13	-2,996.74	1,985.69	1,955.12	30.57	64.952		
4,700.00	4,393.05	4,295.54	4,294.94	32.39	1.35	64.51	-123.87	-2,998.79	1,968.24	1,936.74	31.50	62.476		
4,800.00	4,484.55	4,376.62	4,375.99	33.21	1.37	65.35	-124.52	-3,000.75	1,951.82	1,919.37	32.45	60.150		
4,900.00	4,576.04	4,459.72	4,459.07	34.02	1.39	66.24	-124.35	-3,002.87	1,936.54	1,903.13	33.40	57.974		
5,000.00	4,667.54	4,545.05	4,544.36	34.84	1.41	67.17	-123.71	-3,005.20	1,922.29	1,887.93	34.36	55.938		
5,100.00	4,759.03	4,631.30	4,630.57	35.65	1.43	68.13	-122.99	-3,007.81	1,909.02	1,873.69	35.33	54.037		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 2 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,850.53	4,720.67	4,719.87	36.47	1.45	69.10	-123.10	-3,011.33	1,896.72	1,860.43	36.29	52.269		
5,300.00	4,942.02	4,819.88	4,819.00	37.28	1.48	70.17	-123.59	-3,015.22	1,884.89	1,847.65	37.24	50.608		
5,400.00	5,033.51	4,909.89	4,908.96	38.10	1.50	71.18	-123.45	-3,018.29	1,873.66	1,835.45	38.21	49.035		
5,500.00	5,125.01	4,990.49	4,989.51	38.92	1.52	72.10	-123.03	-3,021.25	1,863.53	1,824.35	39.18	47.564		
5,600.00	5,216.50	5,082.14	5,081.07	39.73	1.55	73.14	-122.71	-3,025.14	1,854.46	1,814.32	40.14	46.197		
5,700.00	5,308.00	5,221.95	5,220.81	40.55	1.58	74.76	-122.57	-3,029.28	1,845.06	1,803.97	41.09	44.899		
5,800.00	5,399.49	5,331.80	5,330.65	41.36	1.59	76.12	-121.81	-3,029.27	1,834.46	1,792.42	42.04	43.633		
5,900.00	5,490.99	5,412.98	5,411.82	42.18	1.60	77.18	-120.32	-3,028.39	1,824.65	1,781.64	43.01	42.423		
6,000.00	5,582.48	5,475.80	5,474.59	43.00	1.61	78.02	-118.13	-3,027.81	1,816.79	1,772.82	43.98	41.313		
6,100.00	5,673.98	5,555.56	5,554.26	43.81	1.62	79.11	-114.23	-3,027.43	1,811.05	1,766.12	44.93	40.306		
6,200.00	5,765.47	6,200.00	5,679.64	44.63	1.63	80.76	-110.89	-3,027.33	1,805.18	1,759.31	45.86	39.362		
6,300.00	5,856.97	5,822.03	5,820.62	45.45	1.64	82.51	-113.17	-3,027.57	1,797.50	1,750.75	46.75	38.449		
6,400.00	5,948.46	5,926.56	5,925.10	46.26	1.65	83.78	-116.43	-3,027.71	1,789.99	1,742.34	47.64	37.570		
6,500.00	6,039.96	6,026.10	6,024.58	47.08	1.66	85.00	-119.85	-3,027.26	1,782.68	1,734.15	48.53	36.733		
6,600.00	6,131.45	6,113.47	6,111.91	47.90	1.66	86.10	-122.42	-3,026.42	1,776.21	1,726.80	49.41	35.946		
6,700.00	6,222.95	6,198.34	6,196.75	48.71	1.67	87.19	-124.38	-3,025.43	1,770.91	1,720.63	50.28	35.218		
6,800.00	6,314.44	6,278.15	6,276.55	49.53	1.67	88.23	-125.73	-3,024.57	1,766.99	1,715.84	51.14	34.550		
6,900.00	6,405.93	6,358.69	6,357.08	50.35	1.68	89.28	-126.61	-3,023.95	1,764.57	1,712.59	51.98	33.946		
7,000.00	6,497.01	6,442.91	6,441.29	51.18	1.68	85.45	-127.19	-3,023.64	1,762.74	1,709.93	52.82	33.374		
7,100.00	6,582.62	6,527.32	6,525.70	52.20	1.69	78.91	-127.77	-3,023.59	1,753.19	1,699.38	53.81	32.579		
7,200.00	6,659.25	6,607.77	6,606.15	53.42	1.71	77.10	-128.57	-3,023.82	1,734.73	1,679.73	54.99	31.544		
7,300.00	6,724.59	6,691.52	6,689.88	54.84	1.72	78.43	-130.00	-3,023.97	1,708.57	1,652.24	56.33	30.332		
7,400.00	6,776.64	6,757.90	6,756.25	56.40	1.73	81.47	-131.71	-3,023.81	1,676.65	1,618.87	57.77	29.022		
7,500.00	6,813.82	6,804.57	6,802.89	58.08	1.73	85.36	-133.19	-3,023.52	1,641.35	1,582.08	59.27	27.691		
7,600.00	6,835.01	6,824.81	6,823.12	59.82	1.74	89.22	-133.87	-3,023.36	1,604.98	1,544.22	60.77	26.413		
7,700.00	6,840.00	6,829.09	6,827.40	61.57	1.74	92.11	-134.02	-3,023.32	1,569.45	1,507.27	62.18	25.241		
7,800.00	6,840.00	6,828.23	6,826.53	63.35	1.74	92.08	-133.99	-3,023.33	1,538.37	1,474.87	63.51	24.223		
7,900.00	6,840.00	6,827.37	6,825.67	65.20	1.74	92.04	-133.96	-3,023.34	1,513.28	1,448.54	64.74	23.373		
8,000.00	6,840.00	6,826.51	6,824.82	67.10	1.74	92.01	-133.93	-3,023.35	1,494.47	1,428.62	65.85	22.694		
8,100.00	6,840.00	6,825.66	6,823.97	69.05	1.74	91.98	-133.90	-3,023.35	1,482.18	1,415.38	66.81	22.186		
8,200.00	6,840.00	6,824.82	6,823.13	71.06	1.74	91.95	-133.87	-3,023.36	1,476.58	1,409.01	67.57	21.851		
8,232.90	6,840.00	6,824.54	6,822.85	71.73	1.74	91.94	-133.86	-3,023.36	1,476.21	1,408.43	67.79	21.777 CC, ES		
8,300.00	6,840.00	6,823.98	6,822.29	73.11	1.74	91.91	-133.84	-3,023.37	1,477.74	1,409.60	68.14	21.687 SF		
8,400.00	6,840.00	6,823.14	6,821.45	75.21	1.74	91.88	-133.81	-3,023.37	1,485.64	1,417.14	68.50	21.689		
8,500.00	6,840.00	6,822.31	6,820.62	77.34	1.73	91.85	-133.79	-3,023.38	1,500.18	1,431.54	68.64	21.855		
8,600.00	6,840.00	6,821.49	6,819.80	79.51	1.73	91.82	-133.76	-3,023.39	1,521.17	1,452.58	68.59	22.178		
8,700.00	6,840.00	6,820.67	6,818.98	81.72	1.73	91.78	-133.73	-3,023.39	1,548.34	1,479.99	68.35	22.652		
8,800.00	6,840.00	6,819.85	6,818.16	83.95	1.73	91.75	-133.70	-3,023.40	1,581.39	1,513.43	67.96	23.271		
8,900.00	6,840.00	6,819.04	6,817.35	86.22	1.73	91.72	-133.68	-3,023.41	1,619.94	1,552.51	67.42	24.026		
9,000.00	6,840.00	6,818.23	6,816.54	88.51	1.73	91.69	-133.65	-3,023.41	1,663.61	1,596.83	66.78	24.910		
9,100.00	6,840.00	6,817.43	6,815.74	90.83	1.73	91.66	-133.62	-3,023.42	1,712.02	1,645.96	66.06	25.916		
9,200.00	6,840.00	6,816.63	6,814.94	93.16	1.73	91.63	-133.59	-3,023.43	1,764.77	1,699.49	65.28	27.034		
9,300.00	6,840.00	6,815.83	6,814.15	95.52	1.73	91.60	-133.57	-3,023.43	1,821.49	1,757.03	64.46	28.257		
9,400.00	6,840.00	6,815.04	6,813.36	97.90	1.73	91.57	-133.54	-3,023.44	1,881.82	1,818.19	63.62	29.578		
9,500.00	6,840.00	6,814.26	6,812.57	100.30	1.73	91.54	-133.51	-3,023.44	1,945.41	1,882.64	62.78	30.989		
9,600.00	6,840.00	6,813.47	6,811.79	102.72	1.73	91.51	-133.49	-3,023.45	2,011.97	1,950.03	61.94	32.483		
9,700.00	6,840.00	6,812.70	6,811.01	105.15	1.73	91.48	-133.46	-3,023.46	2,081.21	2,020.09	61.12	34.052		
9,800.00	6,840.00	6,813.05	6,811.36	107.59	1.73	91.49	-133.48	-3,023.45	2,152.86	2,092.54	60.32	35.689		
9,900.00	6,840.00	6,812.15	6,810.47	110.05	1.73	91.45	-133.45	-3,023.46	2,226.71	2,167.16	59.55	37.392		
10,000.00	6,840.00	6,811.27	6,809.58	112.52	1.73	91.42	-133.42	-3,023.47	2,302.52	2,243.72	58.81	39.154		
10,100.00	6,840.00	6,810.40	6,808.71	115.00	1.73	91.39	-133.39	-3,023.47	2,380.13	2,322.03	58.10	40.969		
10,200.00	6,840.00	6,809.54	6,807.86	117.50	1.73	91.35	-133.36	-3,023.48	2,459.35	2,401.93	57.42	42.831		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 2 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	6,808.69	6,807.01	120.00	1.73	91.32	-133.33	-3,023.49	2,540.04	2,483.27	56.78	44.738		
10,400.00	6,840.00	6,807.86	6,806.17	122.51	1.73	91.29	-133.30	-3,023.49	2,622.06	2,565.90	56.17	46.684		
10,500.00	6,840.00	6,807.03	6,805.35	125.04	1.73	91.26	-133.27	-3,023.50	2,705.29	2,649.70	55.59	48.667		
10,600.00	6,840.00	6,806.22	6,804.54	127.57	1.73	91.22	-133.25	-3,023.51	2,789.62	2,734.58	55.04	50.681		
10,700.00	6,840.00	6,805.42	6,803.74	130.11	1.73	91.19	-133.22	-3,023.51	2,874.96	2,820.43	54.53	52.726		
10,800.00	6,840.00	6,804.63	6,802.95	132.66	1.73	91.16	-133.19	-3,023.52	2,961.21	2,907.17	54.04	54.796		
10,900.00	6,840.00	6,803.85	6,802.17	135.21	1.73	91.13	-133.16	-3,023.53	3,048.30	2,994.72	53.58	56.891		
11,000.00	6,840.00	6,803.08	6,801.40	137.77	1.73	91.10	-133.14	-3,023.53	3,136.17	3,083.02	53.15	59.006		
11,100.00	6,840.00	6,802.32	6,800.64	140.34	1.73	91.07	-133.11	-3,023.54	3,224.74	3,171.99	52.74	61.141		
11,200.00	6,840.00	6,801.57	6,799.89	142.91	1.73	91.04	-133.09	-3,023.54	3,313.96	3,261.60	52.36	63.293		
11,300.00	6,840.00	6,800.83	6,799.15	145.49	1.73	91.01	-133.06	-3,023.55	3,403.78	3,351.78	52.00	65.460		
11,400.00	6,840.00	6,800.10	6,798.42	148.07	1.73	90.99	-133.04	-3,023.55	3,494.15	3,442.49	51.66	67.641		
11,500.00	6,840.00	6,799.37	6,797.70	150.66	1.73	90.96	-133.01	-3,023.56	3,585.03	3,533.69	51.34	69.834		
11,600.00	6,840.00	6,798.66	6,796.99	153.25	1.73	90.93	-132.99	-3,023.56	3,676.39	3,625.35	51.03	72.037		
11,700.00	6,840.00	6,797.96	6,796.28	155.85	1.73	90.90	-132.96	-3,023.57	3,768.18	3,717.43	50.75	74.249		
11,800.00	6,840.00	6,797.27	6,795.59	158.45	1.73	90.88	-132.94	-3,023.57	3,860.39	3,809.90	50.48	76.470		
11,900.00	6,840.00	6,796.58	6,794.90	161.06	1.73	90.85	-132.92	-3,023.58	3,952.97	3,902.74	50.23	78.697		
12,000.00	6,840.00	6,795.90	6,794.23	163.67	1.73	90.82	-132.90	-3,023.58	4,045.90	3,995.91	49.99	80.930		
12,100.00	6,840.00	6,795.23	6,793.56	166.28	1.73	90.80	-132.87	-3,023.59	4,139.17	4,089.40	49.77	83.168		
12,200.00	6,840.00	6,794.57	6,792.90	168.90	1.73	90.77	-132.85	-3,023.59	4,232.74	4,183.18	49.56	85.410		
12,300.00	6,840.00	6,793.92	6,792.25	171.52	1.73	90.75	-132.83	-3,023.60	4,326.60	4,277.24	49.36	87.655		
12,400.00	6,840.00	6,793.28	6,791.60	174.15	1.73	90.72	-132.81	-3,023.60	4,420.73	4,371.55	49.17	89.903		
12,500.00	6,840.00	6,792.64	6,790.97	176.77	1.73	90.70	-132.79	-3,023.61	4,515.11	4,466.11	49.00	92.152		
12,600.00	6,840.00	6,792.01	6,790.34	179.40	1.73	90.67	-132.77	-3,023.61	4,609.72	4,560.89	48.83	94.403		
12,700.00	6,840.00	6,791.39	6,789.72	182.04	1.73	90.65	-132.75	-3,023.62	4,704.56	4,655.89	48.67	96.655		
12,800.00	6,840.00	6,790.77	6,789.10	184.67	1.73	90.62	-132.73	-3,023.62	4,799.61	4,751.09	48.53	98.906		
12,900.00	6,840.00	6,790.17	6,788.50	187.31	1.73	90.60	-132.71	-3,023.63	4,894.86	4,846.47	48.39	101.157		
13,000.00	6,840.00	6,789.57	6,787.90	189.95	1.73	90.58	-132.69	-3,023.63	4,990.29	4,942.03	48.26	103.407		
13,100.00	6,840.00	6,788.97	6,787.30	192.59	1.73	90.55	-132.67	-3,023.63	5,085.90	5,037.76	48.14	105.656		
13,200.00	6,840.00	6,788.39	6,786.72	195.24	1.73	90.53	-132.65	-3,023.64	5,181.67	5,133.65	48.02	107.903		
13,300.00	6,840.00	6,787.81	6,786.14	197.88	1.73	90.51	-132.63	-3,023.64	5,277.61	5,229.69	47.91	110.147		
13,400.00	6,840.00	6,787.24	6,785.56	200.53	1.73	90.49	-132.61	-3,023.64	5,373.68	5,325.87	47.81	112.390		
13,500.00	6,840.00	6,786.67	6,785.00	203.18	1.73	90.47	-132.59	-3,023.65	5,469.90	5,422.18	47.72	114.629		
13,600.00	6,840.00	6,786.11	6,784.44	205.83	1.73	90.44	-132.58	-3,023.65	5,566.26	5,518.63	47.63	116.866		
13,700.00	6,840.00	6,785.56	6,783.89	208.49	1.73	90.42	-132.56	-3,023.66	5,662.73	5,615.19	47.55	119.099		
13,800.00	6,840.00	6,785.01	6,783.34	211.14	1.73	90.40	-132.54	-3,023.66	5,759.33	5,711.86	47.47	121.328		
13,900.00	6,840.00	6,784.47	6,782.80	213.80	1.73	90.38	-132.52	-3,023.66	5,856.05	5,808.65	47.40	123.553		
14,000.00	6,840.00	6,783.93	6,782.26	216.46	1.73	90.36	-132.51	-3,023.67	5,952.87	5,905.54	47.33	125.774		
14,100.00	6,840.00	6,783.40	6,781.73	219.12	1.73	90.34	-132.49	-3,023.67	6,049.79	6,002.53	47.27	127.991		
14,200.00	6,840.00	6,782.88	6,781.21	221.78	1.73	90.32	-132.47	-3,023.67	6,146.82	6,099.61	47.21	130.203		
14,300.00	6,840.00	6,782.36	6,780.69	224.45	1.73	90.30	-132.46	-3,023.68	6,243.93	6,196.78	47.16	132.410		
14,400.00	6,840.00	6,781.85	6,780.18	227.11	1.73	90.28	-132.44	-3,023.68	6,341.14	6,294.03	47.11	134.613		
14,500.00	6,840.00	6,781.34	6,779.67	229.78	1.73	90.26	-132.42	-3,023.68	6,438.43	6,391.37	47.06	136.810		
14,600.00	6,840.00	6,780.84	6,779.17	232.45	1.73	90.24	-132.41	-3,023.69	6,535.81	6,488.79	47.02	139.001		
14,700.00	6,840.00	6,780.34	6,778.68	235.12	1.73	90.22	-132.39	-3,023.69	6,633.26	6,586.28	46.98	141.188		
14,800.00	6,840.00	6,779.85	6,778.18	237.79	1.73	90.20	-132.38	-3,023.69	6,730.79	6,683.84	46.95	143.368		
14,900.00	6,840.00	6,779.37	6,777.70	240.46	1.73	90.18	-132.36	-3,023.70	6,828.38	6,781.47	46.92	145.543		
15,000.00	6,840.00	6,778.88	6,777.22	243.13	1.73	90.16	-132.35	-3,023.70	6,926.05	6,879.16	46.89	147.712		
15,100.00	6,840.00	6,778.41	6,776.74	245.80	1.73	90.15	-132.33	-3,023.70	7,023.78	6,976.92	46.86	149.874		
15,200.00	6,840.00	6,777.94	6,776.27	248.48	1.73	90.13	-132.32	-3,023.70	7,121.58	7,074.74	46.84	152.031		
15,300.00	6,840.00	6,777.47	6,775.81	251.15	1.73	90.11	-132.30	-3,023.71	7,219.43	7,172.61	46.82	154.181		
15,400.00	6,840.00	6,777.01	6,775.35	253.83	1.73	90.09	-132.29	-3,023.71	7,317.35	7,270.54	46.81	156.325		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 2 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												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
15,500.00	6,840.00	6,776.55	6,774.89	256.51	1.73	90.07	-132.27	-3,023.71	7,415.32	7,368.52	46.80	158.462	
15,600.00	6,840.00	6,776.10	6,774.44	259.19	1.73	90.06	-132.26	-3,023.71	7,513.34	7,466.55	46.79	160.593	
15,700.00	6,840.00	6,775.66	6,773.99	261.87	1.73	90.04	-132.24	-3,023.72	7,611.41	7,564.64	46.78	162.717	
15,800.00	6,840.00	6,775.21	6,773.55	264.55	1.73	90.02	-132.23	-3,023.72	7,709.54	7,662.77	46.77	164.834	
15,900.00	6,840.00	6,774.77	6,773.11	267.23	1.73	90.00	-132.22	-3,023.72	7,807.71	7,760.94	46.77	166.944	
16,000.00	6,840.00	6,774.34	6,772.68	269.91	1.73	89.99	-132.20	-3,023.72	7,905.93	7,859.16	46.77	169.047	
16,100.00	6,840.00	6,773.91	6,772.25	272.59	1.73	89.97	-132.19	-3,023.73	8,004.19	7,957.42	46.77	171.144	
16,200.00	6,840.00	6,773.49	6,771.82	275.28	1.73	89.95	-132.18	-3,023.73	8,102.49	8,055.72	46.77	173.233	
16,300.00	6,840.00	6,773.06	6,771.40	277.96	1.73	89.94	-132.16	-3,023.73	8,200.83	8,154.06	46.78	175.315	
16,400.00	6,840.00	6,772.65	6,770.98	280.64	1.73	89.92	-132.15	-3,023.73	8,299.22	8,252.43	46.79	177.390	
16,500.00	6,840.00	6,772.23	6,770.57	283.33	1.73	89.91	-132.14	-3,023.74	8,397.64	8,350.85	46.79	179.457	
16,600.00	6,840.00	6,771.82	6,770.16	286.02	1.73	89.89	-132.13	-3,023.74	8,496.10	8,449.29	46.81	181.517	
16,700.00	6,840.00	6,771.42	6,769.76	288.70	1.73	89.87	-132.11	-3,023.74	8,594.59	8,547.78	46.82	183.570	
16,800.00	6,840.00	6,771.02	6,769.36	291.39	1.73	89.86	-132.10	-3,023.74	8,693.12	8,646.29	46.83	185.615	
16,900.00	6,840.00	6,770.62	6,768.96	294.08	1.73	89.84	-132.09	-3,023.75	8,791.69	8,744.84	46.85	187.653	
17,000.00	6,840.00	6,770.23	6,768.57	296.77	1.73	89.83	-132.08	-3,023.75	8,890.28	8,843.41	46.87	189.683	
17,100.00	6,840.00	6,769.84	6,768.18	299.46	1.73	89.81	-132.06	-3,023.75	8,988.91	8,942.02	46.89	191.705	
17,200.00	6,840.00	6,769.45	6,767.79	302.14	1.73	89.80	-132.05	-3,023.75	9,087.56	9,040.65	46.91	193.720	
17,300.00	6,840.00	6,769.07	6,767.41	304.84	1.73	89.78	-132.04	-3,023.75	9,186.25	9,139.31	46.93	195.727	
17,400.00	6,840.00	6,768.69	6,767.03	307.53	1.73	89.77	-132.03	-3,023.76	9,284.96	9,238.00	46.96	197.726	
17,500.00	6,840.00	6,768.31	6,766.65	310.22	1.73	89.75	-132.02	-3,023.76	9,383.70	9,336.71	46.98	199.718	
17,600.00	6,840.00	6,767.94	6,766.28	312.91	1.73	89.74	-132.01	-3,023.76	9,482.46	9,435.45	47.01	201.702	
17,700.00	6,840.00	6,767.57	6,765.91	315.60	1.73	89.73	-132.00	-3,023.76	9,581.26	9,534.21	47.04	203.677	
17,800.00	6,840.00	6,767.21	6,765.55	318.29	1.73	89.71	-131.99	-3,023.76	9,680.07	9,633.00	47.07	205.645	
17,900.00	6,840.00	6,766.84	6,765.18	320.99	1.73	89.70	-131.97	-3,023.77	9,778.91	9,731.81	47.10	207.606	
18,000.00	6,840.00	6,766.48	6,764.83	323.68	1.73	89.68	-131.96	-3,023.77	9,877.78	9,830.64	47.14	209.558	
18,100.00	6,840.00	6,766.13	6,764.47	326.38	1.73	89.67	-131.95	-3,023.77	9,976.66	9,929.49	47.17	211.502	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 3 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-109.64	-1,461.98	-4,096.36	4,350.06					
100.00	100.00	26.73	26.73	0.13	0.03	-109.64	-1,461.95	-4,096.37	4,349.43	4,349.27	0.16	N/A		
200.00	200.00	133.46	133.45	0.49	0.15	-109.63	-1,461.23	-4,096.55	4,349.37	4,348.73	0.64	6,788.851		
300.00	300.00	232.18	232.17	0.85	0.26	-109.62	-1,460.10	-4,096.67	4,349.10	4,347.99	1.11	3,924.575		
400.00	399.98	314.05	314.03	1.20	0.33	18.46	-1,459.27	-4,097.10	4,347.58	4,346.06	1.51	2,873.703		
500.00	499.84	443.38	443.35	1.55	0.41	18.55	-1,457.66	-4,097.47	4,342.45	4,340.51	1.94	2,242.578		
600.00	599.45	547.30	547.27	1.91	0.47	18.65	-1,456.48	-4,097.37	4,333.71	4,331.37	2.35	1,845.944		
700.00	698.70	630.74	630.70	2.29	0.52	18.79	-1,455.49	-4,097.33	4,321.74	4,319.00	2.75	1,573.413		
800.00	797.47	700.00	699.96	2.70	0.54	18.94	-1,454.88	-4,097.75	4,307.18	4,304.04	3.14	1,372.316		
900.00	895.62	827.30	827.25	3.14	0.60	19.19	-1,453.30	-4,098.54	4,289.27	4,285.71	3.56	1,203.672		
1,000.00	993.06	916.08	916.03	3.62	0.65	19.43	-1,452.67	-4,098.71	4,267.93	4,263.95	3.98	1,071.708		
1,100.00	1,089.64	994.21	994.14	4.14	0.68	19.71	-1,451.92	-4,099.21	4,243.73	4,239.33	4.40	963.589		
1,200.00	1,185.27	1,114.50	1,114.43	4.70	0.74	20.09	-1,450.54	-4,099.99	4,216.35	4,211.50	4.85	869.559		
1,300.00	1,279.82	1,188.11	1,188.03	5.31	0.77	20.44	-1,449.99	-4,100.39	4,185.84	4,180.56	5.29	791.689		
1,400.00	1,373.17	1,306.38	1,306.29	5.98	0.81	20.93	-1,448.95	-4,100.97	4,152.24	4,146.49	5.75	722.452		
1,500.00	1,465.22	1,371.36	1,371.27	6.70	0.83	21.33	-1,448.51	-4,101.26	4,115.62	4,109.41	6.21	663.071		
1,600.00	1,556.72	1,453.80	1,453.71	7.45	0.86	21.51	-1,448.39	-4,101.89	4,078.27	4,071.59	6.67	611.321		
1,700.00	1,648.21	1,551.67	1,551.58	8.21	0.89	21.75	-1,447.92	-4,102.72	4,040.95	4,033.80	7.15	565.083		
1,800.00	1,739.71	1,631.96	1,631.86	8.99	0.92	21.94	-1,447.58	-4,103.30	4,003.60	3,995.96	7.64	524.173		
1,900.00	1,831.20	1,700.00	1,699.89	9.77	0.95	22.11	-1,447.18	-4,104.34	3,966.92	3,958.79	8.13	487.791		
2,000.00	1,922.69	1,841.56	1,841.45	10.56	1.00	22.46	-1,446.50	-4,105.75	3,929.88	3,921.25	8.63	455.260		
2,100.00	2,014.19	1,932.50	1,932.37	11.35	1.03	22.70	-1,445.68	-4,106.08	3,892.24	3,883.11	9.13	426.088		
2,200.00	2,105.68	2,009.19	2,009.05	12.14	1.06	22.91	-1,444.45	-4,106.82	3,854.99	3,845.34	9.65	399.637		
2,300.00	2,197.18	2,126.42	2,126.27	12.94	1.11	23.25	-1,442.39	-4,107.65	3,817.54	3,807.38	10.16	375.880		
2,400.00	2,288.67	2,214.18	2,214.01	13.74	1.14	23.50	-1,441.21	-4,107.94	3,779.95	3,769.27	10.68	354.089		
2,500.00	2,380.17	2,289.19	2,289.02	14.54	1.17	23.71	-1,440.32	-4,108.39	3,742.70	3,731.49	11.20	334.090		
2,600.00	2,471.66	2,356.84	2,356.66	15.35	1.19	23.91	-1,439.43	-4,109.18	3,706.00	3,694.26	11.74	315.668		
2,700.00	2,563.16	2,439.16	2,438.95	16.15	1.22	24.16	-1,438.15	-4,110.73	3,669.92	3,657.64	12.28	298.838		
2,800.00	2,654.65	2,539.76	2,539.53	16.96	1.26	24.47	-1,437.01	-4,112.27	3,633.73	3,620.91	12.82	283.440		
2,900.00	2,746.15	2,626.60	2,626.35	17.76	1.29	24.75	-1,435.52	-4,113.75	3,597.64	3,584.27	13.37	269.090		
3,000.00	2,837.64	2,717.01	2,716.72	18.57	1.32	25.05	-1,433.68	-4,115.51	3,561.77	3,547.85	13.92	255.807		
3,100.00	2,929.14	2,841.85	2,841.54	19.38	1.37	25.46	-1,432.01	-4,117.09	3,525.56	3,511.10	14.46	243.761		
3,200.00	3,020.63	2,941.21	2,940.87	20.19	1.40	25.80	-1,430.08	-4,117.66	3,488.67	3,473.66	15.02	232.317		
3,300.00	3,112.13	3,018.79	3,018.43	21.00	1.43	26.08	-1,428.09	-4,118.50	3,452.19	3,436.60	15.59	221.431		
3,400.00	3,203.62	3,110.41	3,110.02	21.81	1.46	26.40	-1,426.31	-4,119.43	3,415.90	3,399.74	16.16	211.361		
3,500.00	3,295.12	3,180.33	3,179.93	22.63	1.49	26.66	-1,424.96	-4,120.40	3,380.04	3,363.29	16.75	201.753		
3,600.00	3,386.61	3,279.59	3,279.15	23.44	1.53	27.03	-1,422.79	-4,122.15	3,344.59	3,327.25	17.33	192.950		
3,700.00	3,478.10	3,392.28	3,391.80	24.25	1.57	27.47	-1,420.28	-4,123.51	3,308.73	3,290.83	17.91	184.761		
3,800.00	3,569.60	3,478.36	3,477.83	25.06	1.60	27.82	-1,417.44	-4,124.51	3,272.75	3,254.24	18.51	176.812		
3,900.00	3,661.09	3,594.05	3,593.42	25.88	1.64	28.32	-1,412.92	-4,125.80	3,236.76	3,217.66	19.10	169.503		
4,000.00	3,752.59	3,736.25	3,735.45	26.69	1.68	28.98	-1,405.97	-4,125.60	3,199.53	3,179.87	19.66	162.728		
4,100.00	3,844.08	3,839.24	3,838.31	27.50	1.72	29.47	-1,400.75	-4,124.59	3,161.76	3,141.49	20.27	156.008		
4,200.00	3,935.58	3,931.75	3,930.70	28.32	1.74	29.91	-1,396.41	-4,123.25	3,123.79	3,102.91	20.89	149.557		
4,300.00	4,027.07	4,006.35	4,005.21	29.13	1.76	30.27	-1,392.82	-4,122.42	3,086.28	3,064.74	21.54	143.311		
4,400.00	4,118.57	4,077.87	4,076.66	29.95	1.79	30.63	-1,389.64	-4,121.98	3,049.43	3,027.23	22.20	137.381		
4,500.00	4,210.06	4,149.85	4,148.59	30.76	1.81	30.98	-1,386.86	-4,121.91	3,013.30	2,990.44	22.87	131.778		
4,600.00	4,301.56	4,220.04	4,218.71	31.58	1.83	31.34	-1,384.07	-4,122.30	2,977.91	2,954.36	23.55	126.454		
4,700.00	4,393.05	4,286.02	4,284.65	32.39	1.86	31.68	-1,381.62	-4,123.16	2,943.41	2,919.17	24.25	121.391		
4,800.00	4,484.55	4,383.68	4,382.25	33.21	1.89	32.17	-1,378.74	-4,124.74	2,909.48	2,884.57	24.92	116.758		
4,900.00	4,576.04	4,487.61	4,486.14	34.02	1.93	32.70	-1,376.25	-4,125.87	2,875.32	2,849.73	25.59	112.368		
5,000.00	4,667.54	4,588.69	4,587.19	34.84	1.96	33.13	-1,373.87	-4,126.74	2,841.27	2,814.97	26.30	108.044		
5,100.00	4,759.03	4,688.84	4,687.27	35.65	2.00	33.79	-1,370.08	-4,127.98	2,807.41	2,780.44	26.97	104.103		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 3 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,850.53	4,804.29	4,802.66	36.47	2.03	34.43	-1,366.67	-4,127.73	2,772.58	2,744.93	27.64	100.292		
5,300.00	4,942.02	4,917.09	4,915.42	37.28	2.06	35.07	-1,363.77	-4,126.51	2,737.22	2,708.89	28.33	96.625		
5,400.00	5,033.51	4,984.57	4,982.88	38.10	2.08	35.46	-1,361.99	-4,125.91	2,702.19	2,673.10	29.09	92.881		
5,500.00	5,125.01	5,058.37	5,056.64	38.92	2.11	35.90	-1,360.05	-4,125.67	2,667.94	2,638.08	29.86	89.342		
5,600.00	5,216.50	5,149.29	5,147.54	39.73	2.14	36.45	-1,357.58	-4,125.84	2,634.37	2,603.75	30.62	86.038		
5,700.00	5,308.00	5,237.27	5,235.50	40.55	2.16	36.98	-1,355.72	-4,125.66	2,600.72	2,569.33	31.39	82.857		
5,800.00	5,399.49	5,307.61	5,305.83	41.36	2.18	37.41	-1,354.71	-4,126.00	2,567.95	2,535.75	32.20	79.759		
5,900.00	5,490.99	5,401.81	5,400.02	42.18	2.21	37.98	-1,353.99	-4,126.71	2,535.70	2,502.72	32.98	76.886		
6,000.00	5,582.48	5,489.67	5,487.87	43.00	2.24	38.52	-1,353.47	-4,127.39	2,503.70	2,469.91	33.79	74.102		
6,100.00	5,673.98	5,587.13	5,585.32	43.81	2.27	39.15	-1,352.12	-4,128.14	2,471.91	2,437.32	34.59	71.456		
6,200.00	5,765.47	5,662.77	5,660.94	44.63	2.30	39.67	-1,350.48	-4,128.81	2,440.50	2,405.05	35.45	68.835		
6,300.00	5,856.97	5,764.58	5,762.72	45.45	2.33	40.37	-1,348.47	-4,130.17	2,409.81	2,373.52	36.29	66.412		
6,400.00	5,948.46	5,852.86	5,850.98	46.26	2.36	41.00	-1,346.55	-4,130.74	2,378.76	2,341.61	37.16	64.022		
6,500.00	6,039.96	5,946.32	5,944.41	47.08	2.39	41.68	-1,344.62	-4,131.86	2,348.53	2,310.50	38.03	61.755		
6,600.00	6,131.45	6,047.69	6,045.77	47.90	2.43	42.43	-1,343.08	-4,132.30	2,317.86	2,278.96	38.90	59.585		
6,700.00	6,222.95	6,134.96	6,133.02	48.71	2.45	43.09	-1,341.41	-4,132.84	2,287.74	2,247.92	39.81	57.460		
6,800.00	6,314.44	6,226.04	6,224.07	49.53	2.49	43.81	-1,339.32	-4,133.27	2,257.83	2,217.09	40.74	55.418		
6,900.00	6,405.93	6,300.00	6,298.01	50.35	2.51	44.42	-1,337.35	-4,133.95	2,228.74	2,187.02	41.72	53.424		
7,000.00	6,497.01	6,371.43	6,369.39	51.18	2.54	40.08	-1,335.09	-4,135.18	2,199.56	2,156.84	42.72	51.484		
7,100.00	6,582.62	6,450.69	6,448.58	52.20	2.56	32.54	-1,332.26	-4,137.10	2,158.31	2,114.56	43.75	49.330		
7,200.00	6,659.25	6,522.01	6,519.84	53.42	2.59	29.09	-1,330.10	-4,138.89	2,102.38	2,057.59	44.79	46.936		
7,300.00	6,724.59	6,571.86	6,569.64	54.84	2.60	28.09	-1,328.57	-4,140.48	2,033.85	1,988.01	45.83	44.375		
7,400.00	6,776.64	6,613.38	6,611.10	56.40	2.62	29.44	-1,327.21	-4,142.12	1,954.61	1,907.79	46.82	41.746		
7,500.00	6,813.82	6,645.35	6,643.02	58.08	2.63	34.18	-1,326.14	-4,143.56	1,866.73	1,819.00	47.73	39.113		
7,600.00	6,835.01	6,665.65	6,663.29	59.82	2.63	46.53	-1,325.45	-4,144.55	1,772.56	1,724.04	48.52	36.533		
7,700.00	6,840.00	6,673.65	6,671.27	61.57	2.64	71.22	-1,325.17	-4,144.95	1,674.75	1,625.57	49.18	34.055		
7,800.00	6,840.00	6,677.84	6,675.46	63.35	2.64	72.01	-1,325.03	-4,145.17	1,576.40	1,526.56	49.84	31.628		
7,900.00	6,840.00	6,682.13	6,679.74	65.20	2.64	72.81	-1,324.88	-4,145.40	1,478.25	1,427.65	50.60	29.216		
8,000.00	6,840.00	6,686.53	6,684.12	67.10	2.64	73.65	-1,324.73	-4,145.63	1,380.35	1,328.89	51.46	26.823		
8,100.00	6,840.00	6,691.03	6,688.62	69.05	2.64	74.51	-1,324.57	-4,145.87	1,282.76	1,230.30	52.46	24.452		
8,200.00	6,840.00	6,695.64	6,693.22	71.06	2.64	75.40	-1,324.42	-4,146.12	1,185.55	1,131.92	53.63	22.107		
8,300.00	6,840.00	6,700.40	6,697.97	73.11	2.65	76.32	-1,324.25	-4,146.38	1,088.82	1,033.82	55.00	19.795		
8,400.00	6,840.00	6,705.51	6,703.07	75.21	2.65	77.32	-1,324.07	-4,146.67	992.71	936.06	56.65	17.524		
8,500.00	6,840.00	6,710.72	6,708.27	77.34	2.65	78.35	-1,323.89	-4,146.96	897.42	838.78	58.64	15.303		
8,600.00	6,840.00	6,716.04	6,713.58	79.51	2.65	79.40	-1,323.71	-4,147.26	803.24	742.14	61.10	13.147		
8,700.00	6,840.00	6,721.47	6,718.99	81.72	2.65	80.48	-1,323.53	-4,147.57	710.61	646.45	64.16	11.075		
8,800.00	6,840.00	6,727.01	6,724.52	83.95	2.65	81.59	-1,323.35	-4,147.89	620.22	552.17	68.05	9.114		
8,900.00	6,840.00	6,732.66	6,730.16	86.22	2.66	82.72	-1,323.16	-4,148.22	533.21	460.19	73.01	7.303		
9,000.00	6,840.00	6,738.44	6,735.92	88.51	2.66	83.89	-1,322.97	-4,148.56	451.53	372.23	79.31	5.694		
9,100.00	6,840.00	6,744.33	6,741.80	90.83	2.66	85.08	-1,322.78	-4,148.92	378.66	291.81	86.85	4.360		
9,200.00	6,840.00	6,750.36	6,747.81	93.16	2.66	86.30	-1,322.59	-4,149.28	320.65	226.38	94.27	3.401		
9,300.00	6,840.00	6,756.51	6,753.95	95.52	2.66	87.55	-1,322.40	-4,149.65	286.65	189.29	97.36	2.944 SF		
9,353.61	6,840.00	6,759.86	6,757.30	96.80	2.66	88.23	-1,322.29	-4,149.86	281.62	186.29	95.32	2.954 CC, ES		
9,400.00	6,840.00	6,762.80	6,760.23	97.90	2.66	88.83	-1,322.20	-4,150.04	285.40	194.17	91.23	3.128		
9,500.00	6,840.00	6,769.23	6,766.64	100.30	2.67	90.13	-1,322.00	-4,150.44	317.26	239.35	77.90	4.072		
9,600.00	6,840.00	6,775.80	6,773.20	102.72	2.67	91.46	-1,321.80	-4,150.86	373.86	309.56	64.30	5.815		
9,700.00	6,840.00	6,782.52	6,779.90	105.15	2.67	92.82	-1,321.60	-4,151.29	445.88	391.92	53.96	8.263		
9,800.00	6,840.00	6,789.40	6,786.76	107.59	2.67	94.21	-1,321.40	-4,151.73	527.02	480.01	47.01	11.211		
9,900.00	6,840.00	6,796.43	6,793.78	110.05	2.67	95.61	-1,321.19	-4,152.19	613.69	571.10	42.59	14.411		
10,000.00	6,840.00	6,803.64	6,800.96	112.52	2.68	97.05	-1,320.99	-4,152.67	703.83	663.97	39.85	17.660		
10,100.00	6,840.00	6,811.01	6,808.32	115.00	2.68	98.50	-1,320.78	-4,153.16	796.27	758.06	38.21	20.839		
10,200.00	6,840.00	6,818.59	6,815.88	117.50	2.68	99.60	-1,320.62	-4,153.52	890.30	853.09	37.21	23.928		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 3 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	6,823.19	6,820.47	120.00	2.68	100.88	-1,320.44	-4,153.95	985.46	948.80	36.67	26.877		
10,400.00	6,840.00	6,829.78	6,827.04	122.51	2.68	102.15	-1,320.26	-4,154.39	1,081.46	1,045.06	36.40	29.711		
10,500.00	6,840.00	6,836.34	6,833.59	125.04	2.69	103.40	-1,320.08	-4,154.82	1,178.08	1,141.78	36.31	32.447		
10,600.00	6,840.00	6,842.90	6,840.12	127.57	2.69	104.64	-1,319.90	-4,155.25	1,275.19	1,238.87	36.33	35.104		
10,700.00	6,840.00	6,849.43	6,846.64	130.11	2.69	105.85	-1,319.73	-4,155.67	1,372.69	1,336.27	36.42	37.696		
10,800.00	6,840.00	6,855.95	6,853.14	132.66	2.69	107.05	-1,319.56	-4,156.10	1,470.49	1,433.94	36.55	40.234		
10,900.00	6,840.00	6,862.45	6,859.63	135.21	2.69	108.22	-1,319.39	-4,156.52	1,568.54	1,531.83	36.71	42.729		
11,000.00	6,840.00	6,868.93	6,866.10	137.77	2.70	109.38	-1,319.22	-4,156.95	1,666.80	1,629.92	36.89	45.188		
11,100.00	6,840.00	6,875.40	6,872.55	140.34	2.70	110.52	-1,319.06	-4,157.37	1,765.23	1,728.16	37.07	47.617		
11,200.00	6,840.00	6,881.86	6,878.99	142.91	2.70	111.64	-1,318.89	-4,157.79	1,863.81	1,826.55	37.26	50.021		
11,300.00	6,840.00	6,888.29	6,885.41	145.49	2.70	112.73	-1,318.73	-4,158.21	1,962.50	1,925.05	37.45	52.402		
11,400.00	6,840.00	6,894.71	6,891.81	148.07	2.70	113.81	-1,318.58	-4,158.62	2,061.31	2,023.67	37.64	54.764		
11,500.00	6,840.00	6,901.12	6,898.20	150.66	2.70	114.86	-1,318.42	-4,159.04	2,160.20	2,122.37	37.83	57.108		
11,600.00	6,840.00	6,907.51	6,904.57	153.25	2.71	115.89	-1,318.27	-4,159.45	2,259.17	2,221.16	38.01	59.437		
11,700.00	6,840.00	6,911.97	6,909.03	155.85	2.71	116.60	-1,318.17	-4,159.73	2,358.22	2,320.05	38.17	61.784		
11,800.00	6,840.00	6,917.34	6,914.39	158.45	2.71	117.45	-1,318.04	-4,160.08	2,457.33	2,418.99	38.33	64.102		
11,900.00	6,840.00	6,922.64	6,919.68	161.06	2.71	118.27	-1,317.92	-4,160.41	2,556.49	2,518.00	38.50	66.408		
12,000.00	6,840.00	6,927.87	6,924.89	163.67	2.71	119.06	-1,317.81	-4,160.74	2,655.71	2,617.06	38.65	68.705		
12,100.00	6,840.00	6,933.02	6,930.03	166.28	2.71	119.83	-1,317.70	-4,161.06	2,754.97	2,716.16	38.81	70.991		
12,200.00	6,840.00	6,938.09	6,935.09	168.90	2.71	120.58	-1,317.59	-4,161.37	2,854.27	2,815.31	38.96	73.268		
12,300.00	6,840.00	6,943.10	6,940.09	171.52	2.72	121.31	-1,317.48	-4,161.68	2,953.61	2,914.51	39.10	75.536		
12,400.00	6,840.00	6,948.03	6,945.01	174.15	2.72	122.01	-1,317.38	-4,161.98	3,052.98	3,013.74	39.24	77.796		
12,500.00	6,840.00	6,952.90	6,949.87	176.77	2.72	122.70	-1,317.28	-4,162.27	3,152.38	3,113.00	39.38	80.046		
12,600.00	6,840.00	6,957.70	6,954.67	179.40	2.72	123.36	-1,317.19	-4,162.56	3,251.81	3,212.29	39.52	82.289		
12,700.00	6,840.00	6,962.44	6,959.39	182.04	2.72	124.01	-1,317.10	-4,162.84	3,351.26	3,311.61	39.65	84.524		
12,800.00	6,840.00	6,967.11	6,964.06	184.67	2.72	124.64	-1,317.01	-4,163.12	3,450.74	3,410.96	39.78	86.751		
12,900.00	6,840.00	6,971.72	6,968.66	187.31	2.72	125.25	-1,316.92	-4,163.39	3,550.24	3,510.34	39.90	88.970		
13,000.00	6,840.00	6,976.27	6,973.20	189.95	2.72	125.84	-1,316.84	-4,163.66	3,649.76	3,609.73	40.03	91.181		
13,100.00	6,840.00	6,980.76	6,977.68	192.59	2.73	126.42	-1,316.76	-4,163.92	3,749.30	3,709.15	40.15	93.385		
13,200.00	6,840.00	6,985.19	6,982.10	195.24	2.73	126.98	-1,316.68	-4,164.17	3,848.85	3,808.58	40.27	95.581		
13,300.00	6,840.00	6,989.56	6,986.46	197.88	2.73	127.52	-1,316.61	-4,164.42	3,948.42	3,908.04	40.38	97.770		
13,400.00	6,840.00	6,993.87	6,990.77	200.53	2.73	128.05	-1,316.53	-4,164.67	4,048.01	4,007.51	40.50	99.951		
13,500.00	6,840.00	7,000.00	6,996.88	203.18	2.73	128.79	-1,316.43	-4,165.02	4,147.61	4,106.98	40.63	102.092		
13,600.00	6,840.00	7,000.00	6,996.88	205.83	2.73	128.79	-1,316.43	-4,165.02	4,247.22	4,206.52	40.71	104.334		
13,700.00	6,840.00	7,000.00	6,996.88	208.49	2.73	128.79	-1,316.43	-4,165.02	4,346.86	4,306.07	40.79	106.568		
13,800.00	6,840.00	7,000.00	6,996.88	211.14	2.73	128.79	-1,316.43	-4,165.02	4,446.50	4,405.63	40.87	108.794		
13,900.00	6,840.00	7,000.00	6,996.88	213.80	2.73	128.79	-1,316.43	-4,165.02	4,546.17	4,505.22	40.95	111.013		
14,000.00	6,840.00	7,000.00	6,996.88	216.46	2.73	128.79	-1,316.43	-4,165.02	4,645.85	4,604.81	41.03	113.225		
14,100.00	6,840.00	7,000.00	6,996.88	219.12	2.73	128.79	-1,316.43	-4,165.02	4,745.54	4,704.42	41.11	115.429		
14,200.00	6,840.00	7,000.00	6,996.88	221.78	2.73	128.79	-1,316.43	-4,165.02	4,845.24	4,804.05	41.19	117.626		
14,300.00	6,840.00	7,000.00	6,996.88	224.45	2.73	128.79	-1,316.43	-4,165.02	4,944.96	4,903.69	41.27	119.815		
14,400.00	6,840.00	7,000.00	6,996.88	227.11	2.73	128.79	-1,316.43	-4,165.02	5,044.68	5,003.33	41.35	121.997		
14,500.00	6,840.00	7,000.00	6,996.88	229.78	2.73	128.79	-1,316.43	-4,165.02	5,144.42	5,102.99	41.43	124.171		
14,600.00	6,840.00	7,000.00	6,996.88	232.45	2.73	128.79	-1,316.43	-4,165.02	5,244.17	5,202.66	41.51	126.338		
14,700.00	6,840.00	7,000.00	6,996.88	235.12	2.73	128.79	-1,316.43	-4,165.02	5,343.93	5,302.34	41.59	128.498		
14,800.00	6,840.00	7,000.00	6,996.88	237.79	2.73	128.79	-1,316.43	-4,165.02	5,443.69	5,402.03	41.67	130.650		
14,900.00	6,840.00	7,000.00	6,996.88	240.46	2.73	128.79	-1,316.43	-4,165.02	5,543.47	5,501.72	41.74	132.795		
15,000.00	6,840.00	7,000.00	6,996.88	243.13	2.73	128.79	-1,316.43	-4,165.02	5,643.25	5,601.43	41.82	134.932		
15,100.00	6,840.00	7,000.00	6,996.88	245.80	2.73	128.79	-1,316.43	-4,165.02	5,743.04	5,701.14	41.90	137.062		
15,200.00	6,840.00	7,000.00	6,996.88	248.48	2.73	128.79	-1,316.43	-4,165.02	5,842.84	5,800.86	41.98	139.184		
15,300.00	6,840.00	7,000.00	6,996.88	251.15	2.73	128.79	-1,316.43	-4,165.02	5,942.64	5,900.59	42.06	141.298		
15,400.00	6,840.00	7,000.00	6,996.88	253.83	2.73	128.79	-1,316.43	-4,165.02	6,042.45	6,000.32	42.14	143.405		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 3 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	6,840.00	7,000.00	6,996.88	256.51	2.73	128.79	-1,316.43	-4,165.02	6,142.27	6,100.06	42.21	145.505		
15,600.00	6,840.00	7,000.00	6,996.88	259.19	2.73	128.79	-1,316.43	-4,165.02	6,242.09	6,199.80	42.29	147.597		
15,700.00	6,840.00	7,000.00	6,996.88	261.87	2.73	128.79	-1,316.43	-4,165.02	6,341.92	6,299.55	42.37	149.681		
15,800.00	6,840.00	7,000.00	6,996.88	264.55	2.73	128.79	-1,316.43	-4,165.02	6,441.76	6,399.31	42.45	151.758		
15,900.00	6,840.00	7,000.00	6,996.88	267.23	2.73	128.79	-1,316.43	-4,165.02	6,541.59	6,499.07	42.53	153.827		
16,000.00	6,840.00	7,000.00	6,996.88	269.91	2.73	128.79	-1,316.43	-4,165.02	6,641.44	6,598.83	42.60	155.888		
16,100.00	6,840.00	7,000.00	6,996.88	272.59	2.73	128.79	-1,316.43	-4,165.02	6,741.29	6,698.60	42.68	157.942		
16,200.00	6,840.00	7,000.00	6,996.88	275.28	2.73	128.79	-1,316.43	-4,165.02	6,841.14	6,798.38	42.76	159.988		
16,300.00	6,840.00	7,000.00	6,996.88	277.96	2.73	128.79	-1,316.43	-4,165.02	6,941.00	6,898.16	42.84	162.026		
16,400.00	6,840.00	7,000.00	6,996.88	280.64	2.73	128.79	-1,316.43	-4,165.02	7,040.86	6,997.94	42.92	164.057		
16,500.00	6,840.00	7,000.00	6,996.88	283.33	2.73	128.79	-1,316.43	-4,165.02	7,140.72	7,097.73	43.00	166.080		
16,600.00	6,840.00	7,000.00	6,996.88	286.02	2.73	128.79	-1,316.43	-4,165.02	7,240.59	7,197.52	43.07	168.095		
16,700.00	6,840.00	7,000.00	6,996.88	288.70	2.73	128.79	-1,316.43	-4,165.02	7,340.46	7,297.31	43.15	170.103		
16,800.00	6,840.00	7,000.00	6,996.88	291.39	2.73	128.79	-1,316.43	-4,165.02	7,440.34	7,397.11	43.23	172.102		
16,900.00	6,840.00	7,000.00	6,996.88	294.08	2.73	128.79	-1,316.43	-4,165.02	7,540.22	7,496.91	43.31	174.094		
17,000.00	6,840.00	7,000.00	6,996.88	296.77	2.73	128.79	-1,316.43	-4,165.02	7,640.10	7,596.71	43.39	176.078		
17,100.00	6,840.00	7,000.00	6,996.88	299.46	2.73	128.79	-1,316.43	-4,165.02	7,739.98	7,696.51	43.47	178.055		
17,200.00	6,840.00	7,000.00	6,996.88	302.14	2.73	128.79	-1,316.43	-4,165.02	7,839.87	7,796.32	43.55	180.023		
17,300.00	6,840.00	7,000.00	6,996.88	304.84	2.73	128.79	-1,316.43	-4,165.02	7,939.76	7,896.13	43.63	181.984		
17,400.00	6,840.00	7,000.00	6,996.88	307.53	2.73	128.79	-1,316.43	-4,165.02	8,039.66	7,995.95	43.71	183.936		
17,500.00	6,840.00	7,000.00	6,996.88	310.22	2.73	128.79	-1,316.43	-4,165.02	8,139.55	8,095.76	43.79	185.881		
17,600.00	6,840.00	7,000.00	6,996.88	312.91	2.73	128.79	-1,316.43	-4,165.02	8,239.45	8,195.58	43.87	187.819		
17,700.00	6,840.00	7,000.00	6,996.88	315.60	2.73	128.79	-1,316.43	-4,165.02	8,339.35	8,295.40	43.95	189.748		
17,800.00	6,840.00	7,000.00	6,996.88	318.29	2.73	128.79	-1,316.43	-4,165.02	8,439.26	8,395.23	44.03	191.669		
17,900.00	6,840.00	7,000.00	6,996.88	320.99	2.73	128.79	-1,316.43	-4,165.02	8,539.16	8,495.05	44.11	193.583		
18,000.00	6,840.00	7,000.00	6,996.88	323.68	2.73	128.79	-1,316.43	-4,165.02	8,639.07	8,594.88	44.19	195.489		
18,100.00	6,840.00	7,000.00	6,996.88	326.38	2.73	128.79	-1,316.43	-4,165.02	8,738.98	8,694.71	44.27	197.386		
18,200.00	6,840.00	7,000.00	6,996.88	329.07	2.73	128.79	-1,316.43	-4,165.02	8,838.89	8,794.54	44.35	199.276		
18,300.00	6,840.00	7,000.00	6,996.88	331.77	2.73	128.79	-1,316.43	-4,165.02	8,938.81	8,894.37	44.44	201.158		
18,400.00	6,840.00	7,000.00	6,996.88	334.46	2.73	128.79	-1,316.43	-4,165.02	9,038.72	8,994.20	44.52	203.033		
18,500.00	6,840.00	7,000.00	6,996.88	337.16	2.73	128.79	-1,316.43	-4,165.02	9,138.64	9,094.04	44.60	204.899		
18,600.00	6,840.00	7,000.00	6,996.88	339.85	2.73	128.79	-1,316.43	-4,165.02	9,238.56	9,193.88	44.68	206.757		
18,700.00	6,840.00	7,000.00	6,996.88	342.55	2.73	128.79	-1,316.43	-4,165.02	9,338.48	9,293.71	44.77	208.608		
18,800.00	6,840.00	7,000.00	6,996.88	345.25	2.73	128.79	-1,316.43	-4,165.02	9,438.40	9,393.55	44.85	210.450		
18,900.00	6,840.00	7,000.00	6,996.88	347.94	2.73	128.79	-1,316.43	-4,165.02	9,538.33	9,493.40	44.93	212.285		
19,000.00	6,840.00	7,000.00	6,996.88	350.64	2.73	128.79	-1,316.43	-4,165.02	9,638.25	9,593.24	45.01	214.112		
19,100.00	6,840.00	7,000.00	6,996.88	353.34	2.73	128.79	-1,316.43	-4,165.02	9,738.18	9,693.08	45.10	215.931		
19,200.00	6,840.00	7,000.00	6,996.88	356.04	2.73	128.79	-1,316.43	-4,165.02	9,838.11	9,792.93	45.18	217.742		
19,300.00	6,840.00	7,000.00	6,996.88	358.74	2.73	128.79	-1,316.43	-4,165.02	9,938.04	9,892.77	45.27	219.545		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 4 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-1,436.64	-2,971.89	3,301.24					
100.00	100.00	46.53	46.53	0.13	0.05	-115.80	-1,436.74	-2,971.90	3,300.98	3,300.79	0.18	N/A		
200.00	200.00	136.82	136.82	0.49	0.15	-115.81	-1,437.39	-2,972.00	3,301.39	3,300.75	0.64	5,129.828		
300.00	300.00	235.34	235.34	0.85	0.26	-115.82	-1,437.93	-2,972.35	3,301.95	3,300.84	1.11	2,976.213		
400.00	399.98	338.81	338.80	1.20	0.34	12.25	-1,438.21	-2,972.83	3,300.78	3,299.24	1.54	2,149.983		
500.00	499.84	447.07	447.06	1.55	0.40	12.29	-1,438.15	-2,973.26	3,296.00	3,294.06	1.94	1,694.648		
600.00	599.45	551.65	551.64	1.91	0.45	12.37	-1,437.67	-2,973.61	3,287.58	3,285.23	2.35	1,397.740		
700.00	698.70	655.01	655.00	2.29	0.50	12.48	-1,437.07	-2,973.92	3,275.70	3,272.94	2.76	1,186.530		
800.00	797.47	764.80	764.79	2.70	0.55	12.63	-1,436.24	-2,974.05	3,260.21	3,257.03	3.17	1,027.825		
900.00	895.62	866.87	866.85	3.14	0.59	12.81	-1,435.35	-2,973.90	3,241.07	3,237.49	3.58	905.193		
1,000.00	993.06	960.96	960.93	3.62	0.62	13.01	-1,434.50	-2,973.79	3,218.63	3,214.64	3.99	806.521		
1,100.00	1,089.64	1,054.04	1,054.01	4.14	0.66	13.25	-1,433.67	-2,973.80	3,193.03	3,188.62	4.41	724.661		
1,200.00	1,185.27	1,143.45	1,143.42	4.70	0.70	13.51	-1,432.91	-2,973.90	3,164.27	3,159.44	4.83	655.605		
1,300.00	1,279.82	1,230.94	1,230.91	5.31	0.73	13.81	-1,432.28	-2,974.21	3,132.55	3,127.30	5.25	596.288		
1,400.00	1,373.17	1,322.90	1,322.87	5.98	0.77	14.16	-1,431.72	-2,974.59	3,097.76	3,092.07	5.69	544.424		
1,500.00	1,465.22	1,414.49	1,414.46	6.70	0.80	14.53	-1,431.17	-2,974.98	3,059.87	3,053.73	6.14	498.480		
1,600.00	1,556.72	1,500.95	1,500.91	7.45	0.83	14.72	-1,430.95	-2,975.31	3,020.84	3,014.27	6.57	459.563		
1,700.00	1,648.21	1,586.84	1,586.80	8.21	0.86	14.91	-1,431.00	-2,975.68	2,982.00	2,974.98	7.02	424.593		
1,800.00	1,739.71	1,679.17	1,679.13	8.99	0.88	15.12	-1,430.82	-2,976.29	2,943.29	2,935.82	7.48	393.739		
1,900.00	1,831.20	1,771.94	1,771.89	9.77	0.92	15.35	-1,430.08	-2,977.10	2,904.57	2,896.64	7.94	366.034		
2,000.00	1,922.69	1,866.79	1,866.74	10.56	0.95	15.59	-1,429.33	-2,977.87	2,865.83	2,857.43	8.40	341.152		
2,100.00	2,014.19	1,953.29	1,953.23	11.35	0.98	15.81	-1,428.71	-2,978.49	2,827.10	2,818.23	8.87	318.657		
2,200.00	2,105.68	2,051.03	2,050.97	12.14	1.02	16.08	-1,427.96	-2,979.43	2,788.60	2,779.25	9.34	298.461		
2,300.00	2,197.18	2,163.05	2,162.98	12.94	1.05	16.38	-1,427.00	-2,979.72	2,749.50	2,739.69	9.81	280.329		
2,400.00	2,288.67	2,269.41	2,269.34	13.74	1.08	16.69	-1,425.81	-2,979.40	2,709.90	2,699.62	10.28	263.718		
2,500.00	2,380.17	2,369.13	2,369.03	14.54	1.11	16.98	-1,424.22	-2,978.80	2,669.91	2,659.16	10.75	248.366		
2,600.00	2,471.66	2,460.49	2,460.38	15.35	1.14	17.27	-1,422.42	-2,978.21	2,629.83	2,618.59	11.23	234.097		
2,700.00	2,563.16	2,550.38	2,550.25	16.15	1.17	17.57	-1,420.44	-2,977.77	2,589.84	2,578.12	11.72	220.896		
2,800.00	2,654.65	2,639.56	2,639.40	16.96	1.19	17.88	-1,418.55	-2,977.31	2,549.94	2,537.72	12.22	208.667		
2,900.00	2,746.15	2,724.16	2,723.99	17.76	1.22	18.17	-1,416.90	-2,976.95	2,510.23	2,497.50	12.73	197.267		
3,000.00	2,837.64	2,803.86	2,803.67	18.57	1.24	18.46	-1,415.43	-2,976.92	2,470.95	2,457.71	13.24	186.620		
3,100.00	2,929.14	2,902.56	2,902.36	19.38	1.28	18.82	-1,413.75	-2,976.89	2,431.79	2,418.05	13.74	176.949		
3,200.00	3,020.63	2,988.08	2,987.86	20.19	1.30	19.15	-1,412.21	-2,976.86	2,392.68	2,378.42	14.26	167.738		
3,300.00	3,112.13	3,074.99	3,074.76	21.00	1.33	19.50	-1,410.44	-2,977.09	2,353.83	2,339.04	14.79	159.132		
3,400.00	3,203.62	3,161.66	3,161.41	21.81	1.36	19.86	-1,408.64	-2,977.50	2,315.22	2,299.89	15.33	151.062		
3,500.00	3,295.12	3,259.91	3,259.63	22.63	1.39	20.28	-1,406.60	-2,978.01	2,276.76	2,260.91	15.85	143.626		
3,600.00	3,386.61	3,341.60	3,341.31	23.44	1.42	20.64	-1,405.16	-2,978.09	2,238.14	2,221.74	16.40	136.444		
3,700.00	3,478.10	3,410.82	3,410.53	24.25	1.44	20.94	-1,404.52	-2,978.70	2,200.50	2,183.52	16.98	129.597		
3,800.00	3,569.60	3,495.90	3,495.59	25.06	1.46	21.31	-1,404.14	-2,979.85	2,163.52	2,145.97	17.54	123.317		
3,900.00	3,661.09	3,580.86	3,580.54	25.88	1.48	21.69	-1,403.82	-2,981.26	2,126.92	2,108.80	18.12	117.389		
4,000.00	3,752.59	3,678.83	3,678.49	26.69	1.51	22.15	-1,403.14	-2,983.07	2,090.50	2,071.82	18.68	111.903		
4,100.00	3,844.08	3,811.85	3,811.49	27.50	1.55	22.84	-1,401.00	-2,984.37	2,053.23	2,034.05	19.19	107.013		
4,200.00	3,935.58	3,906.39	3,906.01	28.32	1.58	23.36	-1,398.88	-2,984.37	2,015.03	1,995.26	19.77	101.931		
4,300.00	4,027.07	4,001.97	4,001.55	29.13	1.61	23.91	-1,396.40	-2,984.18	1,976.70	1,956.34	20.36	97.093		
4,400.00	4,118.57	4,098.90	4,098.44	29.95	1.64	24.50	-1,393.52	-2,983.80	1,938.26	1,917.30	20.96	92.482		
4,500.00	4,210.06	4,195.16	4,194.66	30.76	1.67	25.10	-1,390.82	-2,983.07	1,899.71	1,878.14	21.57	88.081		
4,600.00	4,301.56	4,276.15	4,275.61	31.58	1.69	25.63	-1,388.61	-2,982.51	1,861.40	1,839.18	22.22	83.755		
4,700.00	4,393.05	4,364.30	4,363.72	32.39	1.72	26.24	-1,385.88	-2,982.35	1,823.65	1,800.76	22.88	79.696		
4,800.00	4,484.55	4,455.48	4,454.86	33.21	1.75	26.89	-1,383.24	-2,982.13	1,786.08	1,762.53	23.55	75.850		
4,900.00	4,576.04	4,545.71	4,545.06	34.02	1.78	27.55	-1,380.80	-2,981.86	1,748.72	1,724.49	24.23	72.174		
5,000.00	4,667.54	4,639.61	4,638.92	34.84	1.80	28.27	-1,378.13	-2,981.61	1,711.58	1,686.66	24.92	68.685		
5,100.00	4,759.03	4,736.80	4,736.06	35.65	1.83	29.06	-1,375.16	-2,980.98	1,674.30	1,648.68	25.62	65.355		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 4 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,850.53	4,828.34	4,827.56	36.47	1.86	29.82	-1,372.51	-2,980.18	1,637.11	1,610.75	26.35	62.129		
5,300.00	4,942.02	4,918.49	4,917.68	37.28	1.89	30.60	-1,370.05	-2,979.36	1,600.18	1,573.07	27.10	59.037		
5,400.00	5,033.51	5,009.47	5,008.62	38.10	1.91	31.42	-1,367.67	-2,978.51	1,563.53	1,535.65	27.88	56.085		
5,500.00	5,125.01	5,100.77	5,099.89	38.92	1.94	32.28	-1,365.33	-2,977.61	1,527.15	1,498.47	28.67	53.261		
5,600.00	5,216.50	5,196.36	5,195.43	39.73	1.97	33.22	-1,362.85	-2,976.49	1,490.91	1,461.43	29.48	50.576		
5,700.00	5,308.00	5,293.93	5,292.96	40.55	1.99	34.24	-1,360.22	-2,974.94	1,454.65	1,424.34	30.30	48.003		
5,800.00	5,399.49	5,382.92	5,381.90	41.36	2.02	35.21	-1,357.75	-2,973.33	1,418.56	1,387.37	31.19	45.487		
5,900.00	5,490.99	5,472.25	5,471.19	42.18	2.04	36.22	-1,355.52	-2,971.79	1,382.96	1,350.87	32.10	43.090		
6,000.00	5,582.48	5,563.47	5,562.38	43.00	2.06	37.27	-1,353.82	-2,970.18	1,347.81	1,314.78	33.02	40.817		
6,100.00	5,673.98	5,657.00	5,655.88	43.81	2.08	38.41	-1,352.02	-2,968.40	1,312.97	1,279.00	33.97	38.648		
6,200.00	5,765.47	5,750.84	5,749.68	44.63	2.10	39.61	-1,350.29	-2,966.34	1,278.35	1,243.39	34.96	36.571		
6,300.00	5,856.97	5,843.09	5,841.89	45.45	2.12	40.85	-1,348.74	-2,964.10	1,244.05	1,208.07	35.98	34.576		
6,400.00	5,948.46	5,933.82	5,932.58	46.26	2.14	42.12	-1,347.20	-2,961.82	1,210.22	1,173.17	37.05	32.665		
6,500.00	6,039.96	6,020.63	6,019.35	47.08	2.16	43.41	-1,345.74	-2,959.67	1,177.03	1,138.85	38.18	30.831		
6,600.00	6,131.45	6,098.88	6,097.57	47.90	2.18	44.62	-1,344.51	-2,958.34	1,145.20	1,105.82	39.38	29.081		
6,700.00	6,222.95	6,183.01	6,181.69	48.71	2.20	45.97	-1,343.23	-2,957.62	1,114.83	1,074.23	40.60	27.458		
6,800.00	6,314.44	6,271.58	6,270.25	49.53	2.23	47.46	-1,341.80	-2,957.23	1,085.61	1,043.76	41.85	25.941		
6,900.00	6,405.93	6,358.12	6,356.77	50.35	2.26	49.00	-1,340.21	-2,957.04	1,057.44	1,014.29	43.15	24.504		
7,000.00	6,497.01	6,446.88	6,445.51	51.18	2.29	45.83	-1,338.51	-2,957.21	1,029.36	984.86	44.50	23.132		
7,100.00	6,582.62	6,532.99	6,531.61	52.20	2.31	39.97	-1,336.73	-2,957.30	989.22	943.26	45.96	21.525		
7,200.00	6,659.25	6,609.18	6,607.79	53.42	2.34	38.89	-1,335.24	-2,957.38	935.30	887.75	47.55	19.668		
7,300.00	6,724.59	6,673.91	6,672.50	54.84	2.36	41.51	-1,334.09	-2,957.50	869.51	820.20	49.30	17.635		
7,400.00	6,776.64	6,723.81	6,722.40	56.40	2.38	47.90	-1,333.27	-2,957.66	794.15	742.91	51.24	15.497		
7,500.00	6,813.82	6,758.77	6,757.35	58.08	2.39	58.84	-1,332.73	-2,957.92	711.97	658.55	53.41	13.329		
7,600.00	6,835.01	6,779.52	6,778.10	59.82	2.39	74.47	-1,332.42	-2,958.15	625.78	569.92	55.86	11.203		
7,700.00	6,840.00	6,785.40	6,783.98	61.57	2.39	87.93	-1,332.33	-2,958.22	538.84	480.19	58.65	9.188		
7,800.00	6,840.00	6,786.63	6,785.21	63.35	2.39	88.18	-1,332.31	-2,958.23	456.02	394.02	62.00	7.355		
7,900.00	6,840.00	6,787.89	6,786.47	65.20	2.40	88.44	-1,332.29	-2,958.25	381.53	315.64	65.89	5.791		
8,000.00	6,840.00	6,789.18	6,787.76	67.10	2.40	88.71	-1,332.27	-2,958.27	321.20	251.87	69.33	4.633		
8,100.00	6,840.00	6,790.50	6,789.07	69.05	2.40	88.98	-1,332.25	-2,958.28	284.20	214.58	69.62	4.082 SF		
8,162.01	6,840.00	6,791.33	6,789.91	70.30	2.40	89.15	-1,332.24	-2,958.30	277.35	210.61	66.74	4.156 CC, ES		
8,200.00	6,840.00	6,791.85	6,790.42	71.06	2.40	89.26	-1,332.23	-2,958.30	279.94	216.17	63.77	4.390		
8,300.00	6,840.00	6,793.23	6,791.81	73.11	2.40	89.55	-1,332.21	-2,958.32	309.78	256.00	53.78	5.760		
8,400.00	6,840.00	6,794.65	6,793.22	75.21	2.40	89.84	-1,332.19	-2,958.34	365.45	320.65	44.80	8.157		
8,500.00	6,840.00	6,796.10	6,794.67	77.34	2.40	90.14	-1,332.17	-2,958.36	437.19	398.22	38.98	11.217		
8,600.00	6,840.00	6,797.58	6,796.16	79.51	2.40	90.45	-1,332.15	-2,958.38	518.38	482.56	35.82	14.472		
8,700.00	6,840.00	6,799.11	6,797.68	81.72	2.40	90.76	-1,332.12	-2,958.40	605.23	570.90	34.33	17.632		
8,800.00	6,840.00	6,800.73	6,799.30	83.95	2.40	91.09	-1,332.10	-2,958.43	695.61	661.86	33.74	20.614		
8,900.00	6,840.00	6,802.49	6,801.07	86.22	2.40	91.46	-1,332.08	-2,958.45	788.31	754.68	33.64	23.434		
9,000.00	6,840.00	6,804.35	6,802.92	88.51	2.40	91.84	-1,332.05	-2,958.48	882.61	848.84	33.77	26.135		
9,100.00	6,840.00	6,806.31	6,804.88	90.83	2.40	92.25	-1,332.02	-2,958.51	978.04	944.02	34.02	28.753		
9,200.00	6,840.00	6,808.38	6,806.95	93.16	2.40	92.67	-1,331.99	-2,958.54	1,074.30	1,039.99	34.31	31.312		
9,300.00	6,840.00	6,810.57	6,809.14	95.52	2.40	93.12	-1,331.96	-2,958.58	1,171.18	1,136.56	34.62	33.831		
9,400.00	6,840.00	6,812.89	6,811.46	97.90	2.40	93.60	-1,331.93	-2,958.62	1,268.54	1,233.61	34.93	36.320		
9,500.00	6,840.00	6,815.35	6,813.92	100.30	2.40	94.10	-1,331.89	-2,958.66	1,366.28	1,331.05	35.23	38.786		
9,600.00	6,840.00	6,817.96	6,816.53	102.72	2.40	94.64	-1,331.85	-2,958.71	1,464.32	1,428.81	35.51	41.236		
9,700.00	6,840.00	6,820.75	6,819.31	105.15	2.40	95.21	-1,331.81	-2,958.76	1,562.61	1,526.83	35.78	43.670		
9,800.00	6,840.00	6,823.72	6,822.29	107.59	2.40	95.81	-1,331.77	-2,958.82	1,661.10	1,625.06	36.04	46.092		
9,900.00	6,840.00	6,826.90	6,825.47	110.05	2.40	96.46	-1,331.73	-2,958.88	1,759.75	1,723.47	36.28	48.503		
10,000.00	6,840.00	6,830.31	6,828.88	112.52	2.41	97.15	-1,331.68	-2,958.95	1,858.55	1,822.04	36.51	50.903		
10,100.00	6,840.00	6,833.98	6,832.54	115.00	2.41	97.89	-1,331.63	-2,959.03	1,957.46	1,920.73	36.73	53.292		
10,200.00	6,840.00	6,837.93	6,836.49	117.50	2.41	98.69	-1,331.58	-2,959.12	2,056.48	2,019.54	36.94	55.672		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 4 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	6,842.20	6,840.76	120.00	2.41	99.55	-1,331.53	-2,959.22	2,155.58	2,118.44	37.14	58.040		
10,400.00	6,840.00	6,846.83	6,845.39	122.51	2.41	100.47	-1,331.47	-2,959.33	2,254.76	2,217.42	37.33	60.397		
10,500.00	6,840.00	6,851.87	6,850.42	125.04	2.41	101.47	-1,331.40	-2,959.45	2,354.00	2,316.48	37.52	62.743		
10,600.00	6,840.00	6,857.37	6,855.92	127.57	2.41	102.55	-1,331.33	-2,959.60	2,453.29	2,415.60	37.70	65.076		
10,700.00	6,840.00	6,863.40	6,861.96	130.11	2.41	103.72	-1,331.26	-2,959.76	2,552.64	2,514.76	37.88	67.395		
10,800.00	6,840.00	6,870.05	6,868.60	132.66	2.41	105.00	-1,331.18	-2,959.95	2,652.03	2,613.98	38.05	69.700		
10,900.00	6,840.00	6,877.41	6,875.95	135.21	2.42	106.40	-1,331.09	-2,960.18	2,751.45	2,713.23	38.22	71.989		
11,000.00	6,840.00	6,885.60	6,884.14	137.77	2.42	107.93	-1,330.99	-2,960.44	2,850.91	2,812.52	38.39	74.259		
11,100.00	6,840.00	6,894.77	6,893.30	140.34	2.42	109.61	-1,330.89	-2,960.75	2,950.40	2,911.83	38.56	76.508		
11,200.00	6,840.00	6,905.10	6,903.63	142.91	2.42	111.47	-1,330.78	-2,961.12	3,049.90	3,011.16	38.74	78.733		
11,300.00	6,840.00	6,916.84	6,915.36	145.49	2.42	113.52	-1,330.66	-2,961.57	3,149.43	3,110.51	38.92	80.931		
11,400.00	6,840.00	11,400.00	6,872.16	148.07	4.10	105.68	-1,331.17	-2,960.27	3,248.90	3,210.64	38.26	84.925		
11,500.00	6,840.00	11,500.00	6,874.68	150.66	4.15	106.16	-1,331.14	-2,960.33	3,348.51	3,310.18	38.34	87.346		
11,600.00	6,840.00	6,931.63	6,930.14	153.25	2.43	116.01	-1,330.49	-2,962.14	3,448.14	3,408.85	39.29	87.769		
11,700.00	6,840.00	6,939.81	6,938.31	155.85	2.43	117.34	-1,330.40	-2,962.48	3,547.74	3,508.32	39.42	89.987		
11,800.00	6,840.00	6,948.47	6,946.96	158.45	2.43	118.71	-1,330.31	-2,962.84	3,647.35	3,607.79	39.56	92.190		
11,900.00	6,840.00	6,957.66	6,956.14	161.06	2.43	120.13	-1,330.21	-2,963.24	3,746.98	3,707.28	39.70	94.378		
12,000.00	6,840.00	6,967.43	6,965.90	163.67	2.43	121.60	-1,330.11	-2,963.68	3,846.61	3,806.77	39.84	96.549		
12,100.00	6,840.00	6,977.84	6,976.30	166.28	2.43	123.11	-1,329.99	-2,964.16	3,946.25	3,906.27	39.98	98.703		
12,200.00	6,840.00	6,988.94	6,987.39	168.90	2.44	124.66	-1,329.87	-2,964.69	4,045.89	4,005.77	40.12	100.838		
12,300.00	6,840.00	7,000.82	6,999.26	171.52	2.44	126.26	-1,329.75	-2,965.28	4,145.54	4,105.27	40.27	102.953		
12,400.00	6,840.00	7,013.56	7,011.97	174.15	2.44	127.91	-1,329.61	-2,965.93	4,245.19	4,204.78	40.41	105.047		
12,500.00	6,840.00	12,500.00	6,977.88	176.77	4.63	123.34	-1,329.98	-2,964.35	4,344.82	4,298.16	46.66	93.109		
12,600.00	6,840.00	12,600.00	6,982.18	179.40	4.68	123.94	-1,329.93	-2,964.54	4,444.53	4,397.61	46.92	94.731		
12,700.00	6,840.00	12,700.00	6,986.49	182.04	4.73	124.54	-1,329.88	-2,964.72	4,544.25	4,497.08	47.17	96.339		
12,800.00	6,840.00	12,800.00	6,990.79	184.67	4.78	125.13	-1,329.84	-2,964.91	4,643.97	4,596.55	47.42	97.932		
12,900.00	6,840.00	12,900.00	6,995.10	187.31	4.84	125.71	-1,329.79	-2,965.09	4,743.70	4,696.03	47.67	99.511		
13,000.00	6,840.00	13,000.00	6,999.40	189.95	4.89	126.28	-1,329.75	-2,965.28	4,843.44	4,795.52	47.92	101.075		
13,100.00	6,840.00	13,100.00	7,003.71	192.59	4.94	126.85	-1,329.70	-2,965.46	4,943.19	4,895.02	48.17	102.625		
13,200.00	6,840.00	13,200.00	7,008.01	195.24	4.99	127.40	-1,329.65	-2,965.65	5,042.94	4,994.53	48.41	104.161		
13,300.00	6,840.00	7,000.00	6,998.43	197.88	2.44	126.16	-1,329.76	-2,965.24	5,142.72	5,101.75	40.97	125.539		
13,400.00	6,840.00	7,000.00	6,998.43	200.53	2.44	126.16	-1,329.76	-2,965.24	5,242.50	5,201.46	41.03	127.760		
13,500.00	6,840.00	7,000.00	6,998.43	203.18	2.44	126.16	-1,329.76	-2,965.24	5,342.28	5,301.18	41.10	129.975		
13,600.00	6,840.00	7,000.00	6,998.43	205.83	2.44	126.16	-1,329.76	-2,965.24	5,442.08	5,400.90	41.17	132.182		
13,700.00	6,840.00	7,000.00	6,998.43	208.49	2.44	126.16	-1,329.76	-2,965.24	5,541.88	5,500.64	41.24	134.383		
13,800.00	6,840.00	7,000.00	6,998.43	211.14	2.44	126.16	-1,329.76	-2,965.24	5,641.68	5,600.38	41.31	136.578		
13,900.00	6,840.00	7,000.00	6,998.43	213.80	2.44	126.16	-1,329.76	-2,965.24	5,741.50	5,700.12	41.38	138.765		
14,000.00	6,840.00	7,000.00	6,998.43	216.46	2.44	126.16	-1,329.76	-2,965.24	5,841.32	5,799.88	41.44	140.945		
14,100.00	6,840.00	7,000.00	6,998.43	219.12	2.44	126.16	-1,329.76	-2,965.24	5,941.15	5,899.63	41.51	143.118		
14,200.00	6,840.00	7,000.00	6,998.43	221.78	2.44	126.16	-1,329.76	-2,965.24	6,040.98	5,999.40	41.58	145.284		
14,300.00	6,840.00	7,000.00	6,998.43	224.45	2.44	126.16	-1,329.76	-2,965.24	6,140.82	6,099.17	41.65	147.443		
14,400.00	6,840.00	7,000.00	6,998.43	227.11	2.44	126.16	-1,329.76	-2,965.24	6,240.66	6,198.94	41.72	149.594		
14,500.00	6,840.00	7,000.00	6,998.43	229.78	2.44	126.16	-1,329.76	-2,965.24	6,340.51	6,298.72	41.79	151.739		
14,600.00	6,840.00	7,000.00	6,998.43	232.45	2.44	126.16	-1,329.76	-2,965.24	6,440.36	6,398.51	41.85	153.876		
14,700.00	6,840.00	7,000.00	6,998.43	235.12	2.44	126.16	-1,329.76	-2,965.24	6,540.22	6,498.30	41.92	156.006		
14,800.00	6,840.00	7,000.00	6,998.43	237.79	2.44	126.16	-1,329.76	-2,965.24	6,640.08	6,598.09	41.99	158.129		
14,900.00	6,840.00	7,000.00	6,998.43	240.46	2.44	126.16	-1,329.76	-2,965.24	6,739.95	6,697.89	42.06	160.244		
15,000.00	6,840.00	7,000.00	6,998.43	243.13	2.44	126.16	-1,329.76	-2,965.24	6,839.82	6,797.69	42.13	162.352		
15,100.00	6,840.00	7,000.00	6,998.43	245.80	2.44	126.16	-1,329.76	-2,965.24	6,939.69	6,897.49	42.20	164.453		
15,200.00	6,840.00	7,000.00	6,998.43	248.48	2.44	126.16	-1,329.76	-2,965.24	7,039.57	6,997.30	42.27	166.546		
15,300.00	6,840.00	7,000.00	6,998.43	251.15	2.44	126.16	-1,329.76	-2,965.24	7,139.45	7,097.11	42.34	168.631		
15,400.00	6,840.00	7,000.00	6,998.43	253.83	2.44	126.16	-1,329.76	-2,965.24	7,239.33	7,196.92	42.41	170.709		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT BEEBE DRAW 4 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	6,840.00	7,000.00	6,998.43	256.51	2.44	126.16	-1,329.76	-2,965.24	7,339.22	7,296.74	42.48	172.780		
15,600.00	6,840.00	7,000.00	6,998.43	259.19	2.44	126.16	-1,329.76	-2,965.24	7,439.11	7,396.56	42.55	174.843		
15,700.00	6,840.00	7,000.00	6,998.43	261.87	2.44	126.16	-1,329.76	-2,965.24	7,539.00	7,496.38	42.62	176.898		
15,800.00	6,840.00	7,000.00	6,998.43	264.55	2.44	126.16	-1,329.76	-2,965.24	7,638.90	7,596.21	42.69	178.945		
15,900.00	6,840.00	7,000.00	6,998.43	267.23	2.44	126.16	-1,329.76	-2,965.24	7,738.79	7,696.04	42.76	180.985		
16,000.00	6,840.00	7,000.00	6,998.43	269.91	2.44	126.16	-1,329.76	-2,965.24	7,838.70	7,795.87	42.83	183.018		
16,100.00	6,840.00	7,000.00	6,998.43	272.59	2.44	126.16	-1,329.76	-2,965.24	7,938.60	7,895.70	42.90	185.042		
16,200.00	6,840.00	7,000.00	6,998.43	275.28	2.44	126.16	-1,329.76	-2,965.24	8,038.50	7,995.53	42.97	187.059		
16,300.00	6,840.00	7,000.00	6,998.43	277.96	2.44	126.16	-1,329.76	-2,965.24	8,138.41	8,095.37	43.04	189.068		
16,400.00	6,840.00	7,000.00	6,998.43	280.64	2.44	126.16	-1,329.76	-2,965.24	8,238.32	8,195.21	43.12	191.069		
16,500.00	6,840.00	7,000.00	6,998.43	283.33	2.44	126.16	-1,329.76	-2,965.24	8,338.24	8,295.05	43.19	193.063		
16,600.00	6,840.00	7,000.00	6,998.43	286.02	2.44	126.16	-1,329.76	-2,965.24	8,438.15	8,394.89	43.26	195.048		
16,700.00	6,840.00	7,000.00	6,998.43	288.70	2.44	126.16	-1,329.76	-2,965.24	8,538.07	8,494.73	43.33	197.026		
16,800.00	6,840.00	7,000.00	6,998.43	291.39	2.44	126.16	-1,329.76	-2,965.24	8,637.99	8,594.58	43.41	198.996		
16,900.00	6,840.00	7,000.00	6,998.43	294.08	2.44	126.16	-1,329.76	-2,965.24	8,737.91	8,694.43	43.48	200.958		
17,000.00	6,840.00	7,000.00	6,998.43	296.77	2.44	126.16	-1,329.76	-2,965.24	8,837.83	8,794.27	43.55	202.913		
17,100.00	6,840.00	7,000.00	6,998.43	299.46	2.44	126.16	-1,329.76	-2,965.24	8,937.75	8,894.12	43.63	204.859		
17,200.00	6,840.00	7,000.00	6,998.43	302.14	2.44	126.16	-1,329.76	-2,965.24	9,037.68	8,993.98	43.70	206.797		
17,300.00	6,840.00	7,000.00	6,998.43	304.84	2.44	126.16	-1,329.76	-2,965.24	9,137.61	9,093.83	43.78	208.728		
17,400.00	6,840.00	7,000.00	6,998.43	307.53	2.44	126.16	-1,329.76	-2,965.24	9,237.53	9,193.68	43.85	210.650		
17,500.00	6,840.00	7,000.00	6,998.43	310.22	2.44	126.16	-1,329.76	-2,965.24	9,337.46	9,293.54	43.93	212.565		
17,600.00	6,840.00	7,000.00	6,998.43	312.91	2.44	126.16	-1,329.76	-2,965.24	9,437.40	9,393.39	44.00	214.472		
17,700.00	6,840.00	7,000.00	6,998.43	315.60	2.44	126.16	-1,329.76	-2,965.24	9,537.33	9,493.25	44.08	216.370		
17,800.00	6,840.00	7,000.00	6,998.43	318.29	2.44	126.16	-1,329.76	-2,965.24	9,637.26	9,593.11	44.15	218.261		
17,900.00	6,840.00	7,000.00	6,998.43	320.99	2.44	126.16	-1,329.76	-2,965.24	9,737.20	9,692.97	44.23	220.144		
18,000.00	6,840.00	7,000.00	6,998.43	323.68	2.44	126.16	-1,329.76	-2,965.24	9,837.14	9,792.83	44.31	222.018		
18,100.00	6,840.00	7,000.00	6,998.43	326.38	2.44	126.16	-1,329.76	-2,965.24	9,937.08	9,892.69	44.38	223.885		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT CPC PLUSS 25-1 - 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	-5.08	2,574.17	-229.04	2,584.42					
100.00	100.00	80.00	80.00	0.13	0.63	-5.08	2,574.17	-229.04	2,584.34	2,583.58	0.76	3,388.204		
200.00	200.00	180.00	180.00	0.49	2.18	-5.08	2,574.17	-229.04	2,584.34	2,581.67	2.67	966.267		
300.00	300.00	280.00	280.00	0.85	3.93	-5.08	2,574.17	-229.04	2,584.34	2,579.56	4.78	540.842 CC		
400.00	399.98	379.98	379.98	1.20	5.67	122.98	2,574.17	-229.04	2,585.29	2,578.42	6.87	376.321 ES		
500.00	499.84	479.84	479.84	1.55	7.41	123.03	2,574.17	-229.04	2,588.14	2,579.18	8.96	288.864		
600.00	599.45	579.45	579.45	1.91	9.15	123.11	2,574.17	-229.04	2,592.91	2,581.85	11.06	234.455		
700.00	698.70	678.70	678.70	2.29	10.89	123.23	2,574.17	-229.04	2,599.62	2,586.45	13.17	197.418		
800.00	797.47	777.47	777.47	2.70	12.61	123.37	2,574.17	-229.04	2,608.28	2,592.99	15.29	170.621		
900.00	895.62	875.62	875.62	3.14	14.32	123.53	2,574.17	-229.04	2,618.93	2,601.51	17.42	150.364		
1,000.00	993.06	973.06	973.06	3.62	16.02	123.72	2,574.17	-229.04	2,631.61	2,612.05	19.56	134.541		
1,100.00	1,089.64	1,069.64	1,069.64	4.14	17.71	123.93	2,574.17	-229.04	2,646.37	2,624.65	21.72	121.865		
1,200.00	1,185.27	1,165.27	1,165.27	4.70	19.38	124.15	2,574.17	-229.04	2,663.24	2,639.35	23.88	111.505		
1,300.00	1,279.82	1,259.82	1,259.82	5.31	21.03	124.39	2,574.17	-229.04	2,682.27	2,656.21	26.07	102.903		
1,400.00	1,373.17	1,353.17	1,353.17	5.98	22.66	124.63	2,574.17	-229.04	2,703.52	2,675.26	28.26	95.668		
1,500.00	1,465.22	1,445.22	1,445.22	6.70	24.26	124.91	2,574.17	-229.04	2,727.03	2,696.57	30.46	89.517		
1,600.00	1,556.72	1,536.72	1,536.72	7.45	25.86	125.56	2,574.17	-229.04	2,751.70	2,719.03	32.67	84.226		
1,700.00	1,648.21	1,628.21	1,628.21	8.21	27.46	126.20	2,574.17	-229.04	2,776.73	2,741.85	34.88	79.605		
1,800.00	1,739.71	1,719.71	1,719.71	8.99	29.05	126.83	2,574.17	-229.04	2,802.12	2,765.02	37.09	75.542		
1,900.00	1,831.20	1,811.20	1,811.20	9.77	30.65	127.45	2,574.17	-229.04	2,827.85	2,788.55	39.30	71.947		
2,000.00	1,922.69	1,902.69	1,902.69	10.56	32.25	128.06	2,574.17	-229.04	2,853.93	2,812.42	41.51	68.746		
2,100.00	2,014.19	2,005.81	1,994.19	11.35	34.05	128.66	2,574.17	-229.04	2,880.33	2,836.41	43.92	65.576		
2,200.00	2,105.68	2,085.68	2,085.68	12.14	35.44	129.25	2,574.17	-229.04	2,907.06	2,861.14	45.92	63.303		
2,300.00	2,197.18	2,177.18	2,177.18	12.94	37.04	129.83	2,574.17	-229.04	2,934.10	2,885.98	48.12	60.972		
2,400.00	2,288.67	2,268.67	2,268.67	13.74	38.64	130.40	2,574.17	-229.04	2,961.44	2,911.12	50.32	58.857		
2,500.00	2,380.17	2,360.17	2,360.17	14.54	40.23	130.97	2,574.17	-229.04	2,989.07	2,936.57	52.51	56.929		
2,600.00	2,471.66	2,451.66	2,451.66	15.35	41.83	131.52	2,574.17	-229.04	3,016.99	2,962.30	54.69	55.165		
2,700.00	2,563.16	2,543.16	2,543.16	16.15	43.43	132.06	2,574.17	-229.04	3,045.20	2,988.33	56.87	53.547		
2,800.00	2,654.65	2,634.65	2,634.65	16.96	45.02	132.59	2,574.17	-229.04	3,073.67	3,014.62	59.04	52.057		
2,900.00	2,746.15	2,726.15	2,726.15	17.76	46.62	133.12	2,574.17	-229.04	3,102.40	3,041.19	61.21	50.681		
3,000.00	2,837.64	2,817.64	2,817.64	18.57	48.22	133.63	2,574.17	-229.04	3,131.40	3,068.02	63.38	49.408		
3,100.00	2,929.14	2,909.14	2,909.14	19.38	49.81	134.14	2,574.17	-229.04	3,160.64	3,095.10	65.54	48.226		
3,200.00	3,020.63	3,000.63	3,000.63	20.19	51.41	134.64	2,574.17	-229.04	3,190.12	3,122.43	67.69	47.126		
3,300.00	3,112.13	3,107.87	3,092.13	21.00	53.28	135.13	2,574.17	-229.04	3,219.84	3,149.72	70.12	45.920		
3,400.00	3,203.62	3,183.62	3,183.62	21.81	54.60	135.61	2,574.17	-229.04	3,249.79	3,177.80	71.99	45.143		
3,500.00	3,295.12	3,275.12	3,275.12	22.63	56.20	136.08	2,574.17	-229.04	3,279.96	3,205.83	74.13	44.247		
3,600.00	3,386.61	3,366.61	3,366.61	23.44	57.80	136.55	2,574.17	-229.04	3,310.35	3,234.09	76.26	43.406		
3,700.00	3,478.10	3,458.10	3,458.10	24.25	59.40	137.01	2,574.17	-229.04	3,340.95	3,262.56	78.40	42.616		
3,800.00	3,569.60	3,549.60	3,549.60	25.06	60.99	137.46	2,574.17	-229.04	3,371.76	3,291.23	80.52	41.873		
3,900.00	3,661.09	3,641.09	3,641.09	25.88	62.59	137.90	2,574.17	-229.04	3,402.76	3,320.12	82.65	41.173		
4,000.00	3,752.59	3,732.59	3,732.59	26.69	64.19	138.33	2,574.17	-229.04	3,433.96	3,349.20	84.76	40.512		
4,100.00	3,844.08	3,824.08	3,824.08	27.50	65.78	138.76	2,574.17	-229.04	3,465.35	3,378.47	86.88	39.887		
4,200.00	3,935.58	3,915.58	3,915.58	28.32	67.38	139.18	2,574.17	-229.04	3,496.93	3,407.94	88.99	39.296		
4,300.00	4,027.07	4,007.07	4,007.07	29.13	68.98	139.59	2,574.17	-229.04	3,528.68	3,437.58	91.10	38.735		
4,400.00	4,118.57	4,101.43	4,098.57	29.95	70.62	140.00	2,574.17	-229.04	3,560.60	3,467.35	93.25	38.183		
4,500.00	4,210.06	4,209.94	4,190.06	30.76	72.52	140.40	2,574.17	-229.04	3,592.70	3,497.05	95.65	37.562		
4,600.00	4,301.56	4,281.56	4,281.56	31.58	73.77	140.79	2,574.17	-229.04	3,624.96	3,527.56	97.40	37.219		
4,700.00	4,393.05	4,373.05	4,373.05	32.39	75.36	141.18	2,574.17	-229.04	3,657.38	3,557.89	99.49	36.761		
4,800.00	4,484.55	4,464.55	4,464.55	33.21	76.96	141.56	2,574.17	-229.04	3,689.96	3,588.38	101.58	36.326		
4,900.00	4,576.04	4,556.04	4,556.04	34.02	78.56	141.94	2,574.17	-229.04	3,722.69	3,619.03	103.67	35.911		
5,000.00	4,667.54	4,647.54	4,647.54	34.84	80.15	142.30	2,574.17	-229.04	3,755.57	3,649.82	105.75	35.514		
5,100.00	4,759.03	4,739.03	4,739.03	35.65	81.75	142.66	2,574.17	-229.04	3,788.60	3,680.77	107.83	35.135		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT CPC PLUSS 25-1 - 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	4,850.53	4,830.53	4,830.53	36.47	83.35	143.02	2,574.17	-229.04	3,821.76	3,711.85	109.91	34.773		
5,300.00	4,942.02	4,922.02	4,922.02	37.28	84.95	143.37	2,574.17	-229.04	3,855.06	3,743.08	111.98	34.426		
5,400.00	5,033.51	5,013.51	5,013.51	38.10	86.54	143.72	2,574.17	-229.04	3,888.50	3,774.44	114.05	34.093		
5,500.00	5,125.01	5,105.01	5,105.01	38.92	88.14	144.05	2,574.17	-229.04	3,922.06	3,805.94	116.12	33.775		
5,600.00	5,216.50	5,203.50	5,196.50	39.73	89.86	144.39	2,574.17	-229.04	3,955.76	3,837.44	118.31	33.435		
5,700.00	5,308.00	5,288.00	5,288.00	40.55	91.33	144.72	2,574.17	-229.04	3,989.57	3,869.32	120.26	33.176		
5,800.00	5,399.49	5,379.49	5,379.49	41.36	92.93	145.04	2,574.17	-229.04	4,023.51	3,901.19	122.32	32.894		
5,900.00	5,490.99	5,470.99	5,470.99	42.18	94.53	145.36	2,574.17	-229.04	4,057.56	3,933.18	124.38	32.623		
6,000.00	5,582.48	5,562.48	5,562.48	43.00	96.12	145.67	2,574.17	-229.04	4,091.73	3,965.29	126.44	32.362		
6,100.00	5,673.98	5,653.98	5,653.98	43.81	97.72	145.98	2,574.17	-229.04	4,126.01	3,997.52	128.49	32.111		
6,200.00	5,765.47	5,745.47	5,745.47	44.63	99.32	146.28	2,574.17	-229.04	4,160.40	4,029.86	130.55	31.869		
6,300.00	5,856.97	5,836.97	5,836.97	45.45	100.91	146.58	2,574.17	-229.04	4,194.90	4,062.30	132.60	31.636		
6,400.00	5,948.46	5,928.46	5,928.46	46.26	102.51	146.87	2,574.17	-229.04	4,229.50	4,094.85	134.65	31.411		
6,500.00	6,039.96	6,019.96	6,019.96	47.08	104.11	147.16	2,574.17	-229.04	4,264.20	4,127.50	136.70	31.194		
6,600.00	6,131.45	6,111.45	6,111.45	47.90	105.71	147.45	2,574.17	-229.04	4,299.00	4,160.25	138.75	30.985		
6,700.00	6,222.95	6,202.95	6,202.95	48.71	107.30	147.73	2,574.17	-229.04	4,333.90	4,193.10	140.79	30.782		
6,800.00	6,314.44	6,305.56	6,294.44	49.53	109.09	148.00	2,574.17	-229.04	4,368.89	4,225.86	143.03	30.545		
6,900.00	6,405.93	6,385.93	6,385.93	50.35	110.50	148.27	2,574.17	-229.04	4,403.97	4,259.09	144.88	30.398		
7,000.00	6,497.01	6,477.01	6,477.01	51.18	112.09	142.10	2,574.17	-229.04	4,439.50	4,292.58	146.92	30.217		
7,100.00	6,582.62	6,562.62	6,562.62	52.20	113.58	129.72	2,574.17	-229.04	4,478.75	4,329.79	148.96	30.067		
7,200.00	6,659.25	6,639.25	6,639.25	53.42	114.92	120.60	2,574.17	-229.04	4,521.84	4,370.90	150.94	29.957		
7,300.00	6,724.59	6,704.59	6,704.59	54.84	116.06	113.02	2,574.17	-229.04	4,567.87	4,415.05	152.82	29.891		
7,400.00	6,776.64	6,756.64	6,756.64	56.40	116.97	106.24	2,574.17	-229.04	4,615.89	4,461.35	154.54	29.869		
7,500.00	6,813.82	6,806.18	6,793.82	58.08	117.83	99.96	2,574.17	-229.04	4,664.87	4,508.61	156.27	29.852 SF		
7,600.00	6,835.01	6,815.01	6,815.01	59.82	117.98	94.13	2,574.17	-229.04	4,713.68	4,556.36	157.32	29.963		
7,700.00	6,840.00	6,820.00	6,820.00	61.57	118.07	90.00	2,574.17	-229.04	4,761.19	4,602.89	158.30	30.077		
7,800.00	6,840.00	6,820.00	6,820.00	63.35	118.07	90.00	2,574.17	-229.04	4,809.21	4,650.00	159.22	30.205		
7,900.00	6,840.00	6,820.00	6,820.00	65.20	118.07	90.00	2,574.17	-229.04	4,858.83	4,698.67	160.16	30.337		
8,000.00	6,840.00	6,820.00	6,820.00	67.10	118.07	90.00	2,574.17	-229.04	4,909.97	4,748.86	161.12	30.475		
8,100.00	6,840.00	6,820.00	6,820.00	69.05	118.07	90.00	2,574.17	-229.04	4,962.61	4,800.52	162.09	30.617		
8,200.00	6,840.00	6,820.00	6,820.00	71.06	118.07	90.00	2,574.17	-229.04	5,016.68	4,853.62	163.06	30.766		
8,300.00	6,840.00	6,820.00	6,820.00	73.11	118.07	90.00	2,574.17	-229.04	5,072.16	4,908.12	164.04	30.921		
8,400.00	6,840.00	6,820.00	6,820.00	75.21	118.07	90.00	2,574.17	-229.04	5,128.98	4,963.96	165.01	31.082		
8,500.00	6,840.00	6,820.00	6,820.00	77.34	118.07	90.00	2,574.17	-229.04	5,187.11	5,021.12	165.98	31.250		
8,600.00	6,840.00	6,820.00	6,820.00	79.51	118.07	90.00	2,574.17	-229.04	5,246.49	5,079.55	166.95	31.426		
8,700.00	6,840.00	6,820.00	6,820.00	81.72	118.07	90.00	2,574.17	-229.04	5,307.10	5,139.20	167.90	31.608		
8,800.00	6,840.00	6,820.00	6,820.00	83.95	118.07	90.00	2,574.17	-229.04	5,368.89	5,200.05	168.85	31.798		
8,900.00	6,840.00	6,820.00	6,820.00	86.22	118.07	90.00	2,574.17	-229.04	5,431.82	5,262.04	169.78	31.994		
9,000.00	6,840.00	6,820.00	6,820.00	88.51	118.07	90.00	2,574.17	-229.04	5,495.84	5,325.15	170.69	32.198		
9,100.00	6,840.00	6,820.00	6,820.00	90.83	118.07	90.00	2,574.17	-229.04	5,560.93	5,389.34	171.59	32.408		
9,200.00	6,840.00	6,820.00	6,820.00	93.16	118.07	90.00	2,574.17	-229.04	5,627.04	5,454.56	172.47	32.625		
9,300.00	6,840.00	6,820.00	6,820.00	95.52	118.07	90.00	2,574.17	-229.04	5,694.14	5,520.80	173.34	32.849		
9,400.00	6,840.00	6,820.00	6,820.00	97.90	118.07	90.00	2,574.17	-229.04	5,762.19	5,588.00	174.19	33.080		
9,500.00	6,840.00	6,820.00	6,820.00	100.30	118.07	90.00	2,574.17	-229.04	5,831.17	5,656.15	175.02	33.317		
9,600.00	6,840.00	6,820.00	6,820.00	102.72	118.07	90.00	2,574.17	-229.04	5,901.03	5,725.19	175.84	33.560		
9,700.00	6,840.00	6,820.00	6,820.00	105.15	118.07	90.00	2,574.17	-229.04	5,971.75	5,795.12	176.63	33.809		
9,800.00	6,840.00	6,820.00	6,820.00	107.59	118.07	90.00	2,574.17	-229.04	6,043.30	5,865.89	177.41	34.064		
9,900.00	6,840.00	6,820.00	6,820.00	110.05	118.07	90.00	2,574.17	-229.04	6,115.64	5,937.48	178.17	34.325		
10,000.00	6,840.00	6,820.00	6,820.00	112.52	118.07	90.00	2,574.17	-229.04	6,188.76	6,009.85	178.91	34.592		
10,100.00	6,840.00	6,820.00	6,820.00	115.00	118.07	90.00	2,574.17	-229.04	6,262.62	6,082.99	179.63	34.864		
10,200.00	6,840.00	6,820.00	6,820.00	117.50	118.07	90.00	2,574.17	-229.04	6,337.19	6,156.86	180.34	35.141		
10,300.00	6,840.00	6,820.00	6,820.00	120.00	118.07	90.00	2,574.17	-229.04	6,412.46	6,231.44	181.02	35.423		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT CPC PLUSS 25-1 - 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		
10,400.00	6,840.00	6,820.00	6,820.00	122.51	118.07	90.00	2,574.17	-229.04	6,488.40	6,306.70	181.70	35.710		
10,500.00	6,840.00	6,820.00	6,820.00	125.04	118.07	90.00	2,574.17	-229.04	6,564.98	6,382.63	182.35	36.002		
10,600.00	6,840.00	6,820.00	6,820.00	127.57	118.07	90.00	2,574.17	-229.04	6,642.18	6,459.20	182.99	36.299		
10,700.00	6,840.00	6,820.00	6,820.00	130.11	118.07	90.00	2,574.17	-229.04	6,719.99	6,536.38	183.61	36.599		
10,800.00	6,840.00	6,820.00	6,820.00	132.66	118.07	90.00	2,574.17	-229.04	6,798.38	6,614.16	184.22	36.904		
10,900.00	6,840.00	6,820.00	6,820.00	135.21	118.07	90.00	2,574.17	-229.04	6,877.32	6,692.51	184.81	37.214		
11,000.00	6,840.00	6,820.00	6,820.00	137.77	118.07	90.00	2,574.17	-229.04	6,956.81	6,771.43	185.38	37.527		
11,100.00	6,840.00	6,820.00	6,820.00	140.34	118.07	90.00	2,574.17	-229.04	7,036.82	6,850.88	185.94	37.844		
11,200.00	6,840.00	6,820.00	6,820.00	142.91	118.07	90.00	2,574.17	-229.04	7,117.34	6,930.85	186.49	38.165		
11,300.00	6,840.00	6,820.00	6,820.00	145.49	118.07	90.00	2,574.17	-229.04	7,198.34	7,011.32	187.02	38.489		
11,400.00	6,840.00	6,820.00	6,820.00	148.07	118.07	90.00	2,574.17	-229.04	7,279.82	7,092.28	187.54	38.817		
11,500.00	6,840.00	6,820.00	6,820.00	150.66	118.07	90.00	2,574.17	-229.04	7,361.75	7,173.70	188.05	39.148		
11,600.00	6,840.00	6,820.00	6,820.00	153.25	118.07	90.00	2,574.17	-229.04	7,444.13	7,255.58	188.55	39.482		
11,700.00	6,840.00	6,820.00	6,820.00	155.85	118.07	90.00	2,574.17	-229.04	7,526.93	7,337.91	189.03	39.819		
11,800.00	6,840.00	6,820.00	6,820.00	158.45	118.07	90.00	2,574.17	-229.04	7,610.15	7,420.65	189.50	40.160		
11,900.00	6,840.00	6,820.00	6,820.00	161.06	118.07	90.00	2,574.17	-229.04	7,693.76	7,503.81	189.96	40.503		
12,000.00	6,840.00	6,820.00	6,820.00	163.67	118.07	90.00	2,574.17	-229.04	7,777.77	7,587.36	190.40	40.849		
12,100.00	6,840.00	6,820.00	6,820.00	166.28	118.07	90.00	2,574.17	-229.04	7,862.14	7,671.30	190.84	41.198		
12,200.00	6,840.00	6,820.00	6,820.00	168.90	118.07	90.00	2,574.17	-229.04	7,946.88	7,755.62	191.27	41.549		
12,300.00	6,840.00	6,820.00	6,820.00	171.52	118.07	90.00	2,574.17	-229.04	8,031.97	7,840.29	191.68	41.903		
12,400.00	6,840.00	6,820.00	6,820.00	174.15	118.07	90.00	2,574.17	-229.04	8,117.40	7,925.32	192.09	42.259		
12,500.00	6,840.00	6,820.00	6,820.00	176.77	118.07	90.00	2,574.17	-229.04	8,203.16	8,010.68	192.48	42.618		
12,600.00	6,840.00	6,820.00	6,820.00	179.40	118.07	90.00	2,574.17	-229.04	8,289.24	8,096.37	192.87	42.979		
12,700.00	6,840.00	6,820.00	6,820.00	182.04	118.07	90.00	2,574.17	-229.04	8,375.63	8,182.38	193.25	43.342		
12,800.00	6,840.00	6,820.00	6,820.00	184.67	118.07	90.00	2,574.17	-229.04	8,462.32	8,268.70	193.62	43.707		
12,900.00	6,840.00	6,820.00	6,820.00	187.31	118.07	90.00	2,574.17	-229.04	8,549.30	8,355.32	193.98	44.074		
13,000.00	6,840.00	6,820.00	6,820.00	189.95	118.07	90.00	2,574.17	-229.04	8,636.56	8,442.23	194.33	44.443		
13,100.00	6,840.00	6,820.00	6,820.00	192.59	118.07	90.00	2,574.17	-229.04	8,724.09	8,529.42	194.67	44.814		
13,200.00	6,840.00	6,820.00	6,820.00	195.24	118.07	90.00	2,574.17	-229.04	8,811.89	8,616.88	195.01	45.187		
13,300.00	6,840.00	6,820.00	6,820.00	197.88	118.07	90.00	2,574.17	-229.04	8,899.95	8,704.61	195.34	45.561		
13,400.00	6,840.00	6,820.00	6,820.00	200.53	118.07	90.00	2,574.17	-229.04	8,988.25	8,792.59	195.66	45.938		
13,500.00	6,840.00	6,820.00	6,820.00	203.18	118.07	90.00	2,574.17	-229.04	9,076.80	8,880.83	195.98	46.316		
13,600.00	6,840.00	6,820.00	6,820.00	205.83	118.07	90.00	2,574.17	-229.04	9,165.59	8,969.30	196.28	46.695		
13,700.00	6,840.00	6,820.00	6,820.00	208.49	118.07	90.00	2,574.17	-229.04	9,254.60	9,058.01	196.59	47.076		
13,800.00	6,840.00	6,820.00	6,820.00	211.14	118.07	90.00	2,574.17	-229.04	9,343.84	9,146.95	196.88	47.459		
13,900.00	6,840.00	6,820.00	6,820.00	213.80	118.07	90.00	2,574.17	-229.04	9,433.29	9,236.12	197.17	47.843		
14,000.00	6,840.00	6,820.00	6,820.00	216.46	118.07	90.00	2,574.17	-229.04	9,522.95	9,325.49	197.45	48.229		
14,100.00	6,840.00	6,820.00	6,820.00	219.12	118.07	90.00	2,574.17	-229.04	9,612.81	9,415.08	197.73	48.615		
14,200.00	6,840.00	6,820.00	6,820.00	221.78	118.07	90.00	2,574.17	-229.04	9,702.88	9,504.87	198.00	49.004		
14,300.00	6,840.00	6,820.00	6,820.00	224.45	118.07	90.00	2,574.17	-229.04	9,793.13	9,594.86	198.27	49.393		
14,400.00	6,840.00	6,820.00	6,820.00	227.11	118.07	90.00	2,574.17	-229.04	9,883.58	9,685.05	198.53	49.784		
14,500.00	6,840.00	6,820.00	6,820.00	229.78	118.07	90.00	2,574.17	-229.04	9,974.21	9,775.42	198.79	50.175		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT FLIPPIN 25BU GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-103.81	-850.05	-3,457.31	3,560.64					
100.00	100.00	51.08	51.08	0.13	0.05	-103.82	-850.18	-3,457.26	3,560.26	3,560.08	0.18	N/A		
200.00	200.00	178.24	178.24	0.49	0.20	-103.84	-851.26	-3,456.57	3,559.97	3,559.29	0.69	5,178.304		
300.00	300.00	283.89	283.87	0.85	0.30	-103.86	-852.30	-3,455.25	3,558.99	3,557.84	1.14	3,109.313		
400.00	399.98	378.29	378.25	1.20	0.37	24.20	-853.42	-3,454.09	3,556.48	3,554.93	1.56	2,283.433		
500.00	499.84	463.28	463.23	1.55	0.43	24.26	-854.52	-3,453.25	3,551.07	3,549.12	1.95	1,818.044		
600.00	599.45	535.05	534.99	1.91	0.47	24.34	-855.74	-3,452.87	3,543.04	3,540.70	2.34	1,511.609		
700.00	698.70	600.00	599.93	2.29	0.50	24.46	-857.21	-3,453.12	3,532.82	3,530.08	2.74	1,291.573		
800.00	797.47	680.14	680.03	2.70	0.54	24.62	-859.48	-3,453.93	3,520.20	3,517.05	3.14	1,120.128		
900.00	895.62	779.54	779.37	3.14	0.59	24.83	-862.75	-3,455.11	3,504.72	3,501.16	3.57	982.779		
1,000.00	993.06	883.24	883.00	3.62	0.64	25.11	-866.25	-3,456.16	3,485.99	3,481.99	4.00	871.472		
1,100.00	1,089.64	982.66	982.37	4.14	0.68	25.44	-869.40	-3,457.10	3,464.06	3,459.62	4.44	779.774		
1,200.00	1,185.27	1,078.02	1,077.68	4.70	0.72	25.82	-872.13	-3,458.05	3,439.07	3,434.18	4.90	702.512		
1,300.00	1,279.82	1,172.07	1,171.70	5.31	0.76	26.28	-874.62	-3,459.07	3,411.13	3,405.76	5.36	636.120		
1,400.00	1,373.17	1,263.57	1,263.16	5.98	0.80	26.79	-876.86	-3,460.16	3,380.28	3,374.44	5.85	578.299		
1,500.00	1,465.22	1,349.07	1,348.64	6.70	0.83	27.33	-878.75	-3,461.33	3,346.69	3,340.34	6.35	527.147		
1,600.00	1,556.72	1,434.57	1,434.11	7.45	0.86	27.60	-880.58	-3,462.76	3,312.23	3,305.37	6.86	483.162		
1,700.00	1,648.21	1,527.00	1,526.50	8.21	0.90	27.89	-882.61	-3,464.39	3,277.94	3,270.56	7.37	444.486		
1,800.00	1,739.71	1,625.26	1,624.72	8.99	0.94	28.21	-884.58	-3,466.06	3,243.64	3,235.74	7.90	410.364		
1,900.00	1,831.20	1,726.24	1,725.68	9.77	0.97	28.55	-886.21	-3,467.60	3,209.20	3,200.75	8.44	380.118		
2,000.00	1,922.69	1,824.59	1,824.01	10.56	1.00	28.90	-887.32	-3,469.01	3,174.67	3,165.68	8.99	353.178		
2,100.00	2,014.19	1,933.04	1,932.45	11.35	1.03	29.31	-887.71	-3,470.33	3,139.92	3,130.38	9.54	329.129		
2,200.00	2,105.68	2,048.14	2,047.55	12.14	1.05	29.78	-886.89	-3,471.20	3,104.68	3,094.58	10.09	307.632		
2,300.00	2,197.18	2,151.88	2,151.27	12.94	1.05	30.22	-885.25	-3,471.45	3,068.94	3,058.29	10.65	288.099		
2,400.00	2,288.67	2,253.80	2,253.18	13.74	1.06	30.68	-883.55	-3,471.46	3,033.14	3,021.92	11.22	270.374		
2,500.00	2,380.17	2,363.67	2,363.03	14.54	1.07	31.18	-881.62	-3,470.86	2,996.96	2,985.18	11.79	254.280		
2,600.00	2,471.66	2,469.03	2,468.36	15.35	1.08	31.67	-879.62	-3,469.70	2,960.41	2,948.05	12.36	239.503		
2,700.00	2,563.16	2,562.42	2,561.73	16.15	1.09	32.11	-878.25	-3,468.30	2,923.71	2,910.77	12.95	225.830		
2,800.00	2,654.65	2,652.22	2,651.52	16.96	1.10	32.53	-877.50	-3,466.89	2,887.18	2,873.64	13.54	213.210		
2,900.00	2,746.15	2,736.78	2,736.06	17.76	1.11	32.94	-876.99	-3,465.59	2,850.87	2,836.72	14.15	201.499		
3,000.00	2,837.64	2,817.17	2,816.45	18.57	1.12	33.32	-876.72	-3,464.64	2,815.05	2,800.28	14.77	190.634		
3,100.00	2,929.14	2,906.22	2,905.49	19.38	1.14	33.76	-876.60	-3,463.75	2,779.56	2,764.18	15.39	180.630		
3,200.00	3,020.63	3,000.81	3,000.08	20.19	1.16	34.23	-876.58	-3,462.75	2,744.21	2,728.20	16.01	171.359		
3,300.00	3,112.13	3,102.82	3,102.07	21.00	1.18	34.74	-876.87	-3,461.38	2,708.78	2,692.14	16.64	162.768		
3,400.00	3,203.62	3,192.63	3,191.87	21.81	1.20	35.21	-877.06	-3,460.02	2,673.36	2,656.07	17.29	154.631		
3,500.00	3,295.12	3,299.68	3,298.91	22.63	1.21	35.80	-876.22	-3,458.21	2,637.87	2,619.94	17.93	147.112		
3,600.00	3,386.61	3,418.61	3,417.77	23.44	1.23	36.51	-874.12	-3,454.96	2,601.50	2,582.92	18.58	140.050		
3,700.00	3,478.10	3,480.60	3,479.73	24.25	1.25	36.89	-873.01	-3,453.42	2,565.64	2,546.35	19.28	133.038		
3,800.00	3,569.60	3,535.56	3,534.69	25.06	1.25	37.23	-872.10	-3,452.70	2,531.09	2,511.08	20.01	126.492		
3,900.00	3,661.09	3,600.00	3,599.11	25.88	1.25	37.63	-871.04	-3,452.97	2,498.21	2,477.48	20.73	120.490		
4,000.00	3,752.59	3,653.28	3,652.38	26.69	1.26	37.97	-870.33	-3,453.88	2,466.72	2,445.24	21.48	114.827		
4,100.00	3,844.08	3,727.56	3,726.64	27.50	1.27	38.44	-869.89	-3,455.70	2,436.34	2,414.12	22.22	109.661		
4,200.00	3,935.58	3,811.71	3,810.75	28.32	1.28	38.96	-870.19	-3,458.16	2,406.66	2,383.70	22.95	104.862		
4,300.00	4,027.07	3,904.81	3,903.80	29.13	1.29	39.54	-870.90	-3,460.99	2,377.34	2,353.65	23.69	100.372		
4,400.00	4,118.57	4,001.46	4,000.41	29.95	1.31	40.16	-871.53	-3,463.84	2,348.17	2,323.75	24.43	96.127		
4,500.00	4,210.06	4,101.15	4,100.06	30.76	1.33	40.82	-871.98	-3,466.54	2,319.04	2,293.86	25.18	92.099		
4,600.00	4,301.56	4,202.86	4,201.74	31.58	1.34	41.51	-872.21	-3,468.92	2,289.83	2,263.89	25.94	88.267		
4,700.00	4,393.05	4,293.59	4,292.45	32.39	1.36	42.16	-872.18	-3,470.89	2,260.76	2,234.03	26.73	84.573		
4,800.00	4,484.55	4,388.35	4,387.19	33.21	1.38	42.85	-871.88	-3,472.91	2,231.95	2,204.42	27.53	81.072		
4,900.00	4,576.04	4,476.36	4,475.18	34.02	1.39	43.52	-871.26	-3,474.77	2,203.48	2,175.12	28.35	77.714		
5,000.00	4,667.54	4,564.27	4,563.05	34.84	1.41	44.21	-870.25	-3,476.79	2,175.53	2,146.33	29.19	74.522		
5,100.00	4,759.03	4,644.21	4,642.96	35.65	1.42	44.87	-868.75	-3,478.80	2,148.20	2,118.14	30.06	71.465		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT FLIPPIN 25BU GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,850.53	4,720.49	4,719.17	36.47	1.43	45.54	-866.37	-3,481.22	2,121.97	2,091.02	30.95	68.560		
5,300.00	4,942.02	4,804.35	4,802.90	37.28	1.44	46.31	-862.81	-3,484.24	2,096.68	2,064.83	31.86	65.819		
5,400.00	5,033.51	4,935.31	4,933.67	38.10	1.46	47.55	-856.96	-3,487.87	2,071.15	2,038.41	32.73	63.270		
5,500.00	5,125.01	5,049.32	5,047.61	38.92	1.48	48.63	-853.23	-3,489.27	2,044.54	2,010.91	33.63	60.790		
5,600.00	5,216.50	5,148.04	5,146.29	39.73	1.50	49.58	-850.58	-3,490.00	2,017.95	1,983.39	34.56	58.392		
5,700.00	5,308.00	5,245.61	5,243.84	40.55	1.51	50.53	-848.71	-3,490.44	1,991.49	1,955.99	35.50	56.106		
5,800.00	5,399.49	5,340.57	5,338.79	41.36	1.53	51.46	-847.30	-3,490.75	1,965.33	1,928.88	36.45	53.924		
5,900.00	5,490.99	5,435.60	5,433.81	42.18	1.54	52.41	-846.20	-3,490.91	1,939.49	1,902.08	37.41	51.844		
6,000.00	5,582.48	5,536.14	5,534.35	43.00	1.55	53.43	-845.21	-3,490.89	1,913.98	1,875.61	38.38	49.874		
6,100.00	5,673.98	5,641.33	5,639.53	43.81	1.56	54.52	-844.68	-3,490.08	1,888.23	1,848.89	39.34	47.995		
6,200.00	5,765.47	5,733.41	5,731.61	44.63	1.57	55.51	-844.10	-3,489.06	1,862.76	1,822.42	40.35	46.169		
6,300.00	5,856.97	5,823.14	5,821.32	45.45	1.58	56.50	-843.34	-3,488.04	1,837.92	1,796.55	41.37	44.424		
6,400.00	5,948.46	5,913.90	5,912.08	46.26	1.60	57.53	-842.40	-3,486.98	1,813.72	1,771.31	42.41	42.763		
6,500.00	6,039.96	6,005.07	6,003.23	47.08	1.61	58.59	-841.27	-3,485.86	1,790.17	1,746.70	43.47	41.183		
6,600.00	6,131.45	6,096.55	6,094.70	47.90	1.62	59.69	-839.98	-3,484.65	1,767.27	1,722.73	44.54	39.681		
6,700.00	6,222.95	6,188.48	6,186.60	48.71	1.64	60.83	-838.43	-3,483.29	1,745.04	1,699.42	45.62	38.251		
6,800.00	6,314.44	6,284.02	6,282.10	49.53	1.65	62.06	-836.38	-3,481.53	1,723.41	1,676.69	46.71	36.893		
6,900.00	6,405.93	6,374.53	6,372.56	50.35	1.67	63.26	-834.08	-3,479.53	1,702.42	1,654.59	47.83	35.594		
7,000.00	6,497.01	6,451.49	6,449.49	51.18	1.68	64.49	-832.22	-3,478.10	1,681.40	1,632.42	48.98	34.329		
7,100.00	6,588.62	6,519.92	6,517.91	52.20	1.69	65.45	-831.35	-3,477.93	1,649.76	1,599.50	50.26	32.823		
7,200.00	6,659.25	6,581.46	6,579.44	53.42	1.69	66.52	-831.04	-3,478.68	1,605.66	1,553.97	51.70	31.060		
7,300.00	6,724.59	6,636.21	6,634.18	54.84	1.70	67.69	-831.05	-3,480.04	1,550.51	1,497.24	53.27	29.107		
7,400.00	6,776.64	6,681.68	6,679.62	56.40	1.71	68.78	-831.10	-3,481.55	1,486.06	1,431.09	54.97	27.034		
7,500.00	6,813.82	6,715.47	6,713.38	58.08	1.71	69.87	-831.17	-3,482.91	1,414.39	1,357.61	56.78	24.911		
7,600.00	6,835.01	6,736.81	6,734.70	59.82	1.72	71.10	-831.27	-3,483.91	1,337.83	1,279.16	58.67	22.802		
7,700.00	6,840.00	6,745.34	6,743.21	61.57	1.72	72.41	-831.33	-3,484.34	1,258.90	1,198.28	60.62	20.768		
7,800.00	6,840.00	6,749.90	6,747.77	63.35	1.72	73.72	-831.36	-3,484.58	1,181.83	1,119.13	62.70	18.849		
7,900.00	6,840.00	6,754.68	6,752.54	65.20	1.72	75.03	-831.40	-3,484.84	1,108.40	1,043.43	64.96	17.062		
8,000.00	6,840.00	6,759.70	6,757.55	67.10	1.72	76.34	-831.44	-3,485.12	1,039.38	972.01	67.38	15.427		
8,100.00	6,840.00	6,764.97	6,762.81	69.05	1.72	77.65	-831.49	-3,485.42	975.72	905.83	69.89	13.961		
8,200.00	6,840.00	6,770.51	6,768.35	71.06	1.72	78.96	-831.55	-3,485.74	918.53	846.12	72.41	12.685		
8,300.00	6,840.00	6,776.35	6,774.17	73.11	1.72	80.27	-831.61	-3,486.09	869.07	794.29	74.78	11.622		
8,400.00	6,840.00	6,782.50	6,780.31	75.21	1.72	81.58	-831.68	-3,486.46	828.73	751.93	76.80	10.790		
8,500.00	6,840.00	6,789.00	6,786.80	77.34	1.72	82.89	-831.76	-3,486.87	798.90	720.66	78.24	10.211		
8,600.00	6,840.00	6,795.87	6,793.66	79.51	1.73	84.20	-831.85	-3,487.32	780.76	701.91	78.85	9.901		
8,693.91	6,840.00	6,802.70	6,800.47	81.58	1.73	85.51	-831.95	-3,487.77	775.12	696.57	78.55	9.867	CC, ES, SF	
8,700.00	6,840.00	6,803.15	6,800.92	81.72	1.73	86.82	-831.96	-3,487.80	775.14	696.64	78.50	9.874		
8,800.00	6,840.00	6,810.88	6,808.63	83.95	1.73	88.13	-832.07	-3,488.33	782.31	705.14	77.17	10.138		
8,900.00	6,840.00	6,819.10	6,816.82	86.22	1.73	89.44	-832.20	-3,488.91	801.91	726.93	74.98	10.695		
9,000.00	6,840.00	6,820.95	6,818.67	88.51	1.73	90.75	-832.15	-3,489.05	833.15	761.04	72.11	11.554		
9,100.00	6,840.00	6,827.84	6,825.54	90.83	1.73	92.06	-832.21	-3,489.56	874.67	805.73	68.94	12.687		
9,200.00	6,840.00	6,835.13	6,832.82	93.16	1.73	93.37	-832.26	-3,490.12	925.12	859.43	65.69	14.083		
9,300.00	6,840.00	6,842.87	6,840.53	95.52	1.73	94.68	-832.30	-3,490.73	983.13	920.60	62.53	15.722		
9,400.00	6,840.00	6,851.10	6,848.73	97.90	1.74	95.99	-832.32	-3,491.39	1,047.43	987.84	59.59	17.577		
9,500.00	6,840.00	6,859.85	6,857.46	100.30	1.74	97.30	-832.33	-3,492.12	1,116.93	1,060.00	56.93	19.619		
9,600.00	6,840.00	6,869.19	6,866.76	102.72	1.74	98.61	-832.32	-3,492.93	1,190.71	1,136.14	54.57	21.820		
9,700.00	6,840.00	6,879.18	6,876.71	105.15	1.74	99.92	-832.28	-3,493.82	1,268.03	1,215.52	52.50	24.151		
9,800.00	6,840.00	6,889.88	6,887.36	107.59	1.74	101.23	-832.22	-3,494.81	1,348.26	1,297.54	50.72	26.583		
9,900.00	6,840.00	6,901.37	6,898.80	110.05	1.75	102.54	-832.12	-3,495.90	1,430.91	1,381.72	49.19	29.091		
10,000.00	6,840.00	6,913.75	6,911.11	112.52	1.75	103.85	-831.98	-3,497.13	1,515.58	1,467.70	47.88	31.652		
10,100.00	6,840.00	6,918.71	6,916.06	115.00	1.75	105.16	-831.95	-3,497.58	1,601.99	1,555.32	46.67	34.327		
10,200.00	6,840.00	6,927.42	6,924.73	117.50	1.75	106.47	-831.86	-3,498.41	1,689.83	1,644.16	45.67	37.003		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT FLIPPIN 25BU GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	6,936.04	6,933.30	120.00	1.75	100.55	-831.77	-3,499.23	1,778.91	1,734.11	44.81	39.703		
10,400.00	6,840.00	6,944.56	6,941.79	122.51	1.76	101.15	-831.68	-3,500.04	1,869.06	1,824.99	44.06	42.416		
10,500.00	6,840.00	6,953.01	6,950.20	125.04	1.76	101.74	-831.59	-3,500.83	1,960.12	1,916.69	43.43	45.135		
10,600.00	6,840.00	6,961.36	6,958.52	127.57	1.76	102.33	-831.50	-3,501.61	2,051.97	2,009.09	42.88	47.854		
10,700.00	6,840.00	6,969.64	6,966.76	130.11	1.76	102.91	-831.41	-3,502.38	2,144.52	2,102.11	42.41	50.567		
10,800.00	6,840.00	6,977.83	6,974.91	132.66	1.76	103.48	-831.31	-3,503.14	2,237.67	2,195.67	42.00	53.272		
10,900.00	6,840.00	6,985.94	6,982.99	135.21	1.77	104.04	-831.22	-3,503.89	2,331.36	2,289.71	41.66	55.966		
11,000.00	6,840.00	6,993.97	6,990.98	137.77	1.77	104.59	-831.13	-3,504.63	2,425.52	2,384.17	41.36	58.646		
11,100.00	6,840.00	7,002.60	6,999.57	140.34	1.77	105.18	-831.03	-3,505.42	2,520.11	2,479.00	41.11	61.302		
11,200.00	6,840.00	7,013.38	7,010.31	142.91	1.77	105.92	-830.90	-3,506.41	2,615.06	2,574.14	40.92	63.907		
11,300.00	6,840.00	7,024.30	7,021.18	145.49	1.77	106.66	-830.78	-3,507.42	2,710.33	2,669.57	40.76	66.490		
11,400.00	6,840.00	7,035.37	7,032.20	148.07	1.77	107.40	-830.65	-3,508.44	2,805.90	2,765.27	40.64	69.051		
11,500.00	6,840.00	7,046.58	7,043.36	150.66	1.78	108.14	-830.53	-3,509.49	2,901.74	2,861.20	40.53	71.589		
11,600.00	6,840.00	7,057.94	7,054.67	153.25	1.78	108.89	-830.40	-3,510.56	2,997.81	2,957.35	40.45	74.103		
11,700.00	6,840.00	7,065.96	7,062.66	155.85	1.78	109.41	-830.32	-3,511.31	3,094.10	3,053.73	40.37	76.648		
11,800.00	6,840.00	7,075.37	7,072.02	158.45	1.78	110.02	-830.21	-3,512.20	3,190.59	3,150.28	40.31	79.153		
11,900.00	6,840.00	7,084.78	7,081.39	161.06	1.79	110.63	-830.11	-3,513.08	3,287.26	3,247.00	40.27	81.639		
12,000.00	6,840.00	7,094.18	7,090.75	163.67	1.79	111.23	-830.01	-3,513.97	3,384.11	3,343.87	40.24	84.107		
12,100.00	6,840.00	7,103.59	7,100.11	166.28	1.79	111.82	-829.91	-3,514.85	3,481.10	3,440.88	40.22	86.556		
12,200.00	6,840.00	7,112.99	7,109.48	168.90	1.80	112.41	-829.80	-3,515.73	3,578.24	3,538.03	40.21	88.987		
12,300.00	6,840.00	7,122.40	7,118.84	171.52	1.80	113.00	-829.70	-3,516.62	3,675.50	3,635.29	40.21	91.401		
12,400.00	6,840.00	7,131.80	7,128.20	174.15	1.80	113.58	-829.60	-3,517.50	3,772.89	3,732.66	40.22	93.797		
12,500.00	6,840.00	7,141.21	7,137.57	176.77	1.81	114.15	-829.50	-3,518.39	3,870.38	3,830.14	40.24	96.176		
12,600.00	6,840.00	7,150.61	7,146.93	179.40	1.81	114.72	-829.40	-3,519.27	3,967.98	3,927.71	40.27	98.539		
12,700.00	6,840.00	7,160.02	7,156.29	182.04	1.81	115.29	-829.29	-3,520.16	4,065.67	4,025.37	40.30	100.885		
12,800.00	6,840.00	7,169.42	7,165.66	184.67	1.82	115.84	-829.19	-3,521.04	4,163.45	4,123.11	40.34	103.215		
12,900.00	6,840.00	7,178.83	7,175.02	187.31	1.82	116.40	-829.09	-3,521.92	4,261.31	4,220.93	40.38	105.529		
13,000.00	6,840.00	7,188.24	7,184.38	189.95	1.82	116.94	-828.99	-3,522.81	4,359.25	4,318.83	40.43	107.828		
13,100.00	6,840.00	7,197.64	7,193.75	192.59	1.83	117.49	-828.88	-3,523.69	4,457.26	4,416.79	40.48	110.111		
13,200.00	6,840.00	7,207.05	7,203.11	195.24	1.83	118.02	-828.78	-3,524.58	4,555.34	4,514.81	40.54	112.379		
13,300.00	6,840.00	7,216.45	7,212.47	197.88	1.83	118.56	-828.68	-3,525.46	4,653.48	4,612.89	40.59	114.633		
13,400.00	6,840.00	7,225.86	7,221.84	200.53	1.84	119.08	-828.58	-3,526.34	4,751.68	4,711.03	40.66	116.871		
13,500.00	6,840.00	7,235.26	7,231.20	203.18	1.84	119.60	-828.48	-3,527.23	4,849.94	4,809.22	40.72	119.096		
13,600.00	6,840.00	7,244.67	7,240.56	205.83	1.84	120.12	-828.37	-3,528.11	4,948.25	4,907.46	40.79	121.306		
13,700.00	6,840.00	7,254.07	7,249.93	208.49	1.85	120.63	-828.27	-3,529.00	5,046.60	5,005.74	40.86	123.501		
13,800.00	6,840.00	7,263.48	7,259.29	211.14	1.85	121.13	-828.17	-3,529.88	5,145.01	5,104.07	40.94	125.683		
13,900.00	6,840.00	7,272.88	7,268.65	213.80	1.85	121.63	-828.07	-3,530.76	5,243.45	5,202.44	41.01	127.852		
14,000.00	6,840.00	7,282.29	7,278.02	216.46	1.86	122.12	-827.96	-3,531.65	5,341.94	5,300.85	41.09	130.006		
14,100.00	6,840.00	7,264.00	7,259.81	219.12	1.85	121.16	-828.16	-3,529.93	5,440.54	5,399.56	40.97	132.778		
14,200.00	6,840.00	7,264.00	7,259.81	221.78	1.85	121.16	-828.16	-3,529.93	5,539.15	5,498.16	40.99	135.127		
14,300.00	6,840.00	7,264.00	7,259.81	224.45	1.85	121.16	-828.16	-3,529.93	5,637.82	5,596.81	41.01	137.466		
14,400.00	6,840.00	7,264.00	7,259.81	227.11	1.85	121.16	-828.16	-3,529.93	5,736.53	5,695.49	41.04	139.795		
14,500.00	6,840.00	7,264.00	7,259.81	229.78	1.85	121.16	-828.16	-3,529.93	5,835.29	5,794.23	41.06	142.114		
14,600.00	6,840.00	7,264.00	7,259.81	232.45	1.85	121.16	-828.16	-3,529.93	5,934.08	5,893.00	41.09	144.423		
14,700.00	6,840.00	7,264.00	7,259.81	235.12	1.85	121.16	-828.16	-3,529.93	6,032.92	5,991.80	41.12	146.723		
14,800.00	6,840.00	7,264.00	7,259.81	237.79	1.85	121.16	-828.16	-3,529.93	6,131.79	6,090.65	41.15	149.013		
14,900.00	6,840.00	7,264.00	7,259.81	240.46	1.85	121.16	-828.16	-3,529.93	6,230.71	6,189.52	41.18	151.292		
15,000.00	6,840.00	7,264.00	7,259.81	243.13	1.85	121.16	-828.16	-3,529.93	6,329.65	6,288.43	41.22	153.562		
15,100.00	6,840.00	7,264.00	7,259.81	245.80	1.85	121.16	-828.16	-3,529.93	6,428.63	6,387.37	41.26	155.822		
15,200.00	6,840.00	7,264.00	7,259.81	248.48	1.85	121.16	-828.16	-3,529.93	6,527.64	6,486.34	41.30	158.073		
15,300.00	6,840.00	7,264.00	7,259.81	251.15	1.85	121.16	-828.16	-3,529.93	6,626.67	6,585.34	41.34	160.313		
15,400.00	6,840.00	7,264.00	7,259.81	253.83	1.85	121.16	-828.16	-3,529.93	6,725.74	6,684.36	41.38	162.544		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT FLIPPIN 25BU GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	6,840.00	7,264.00	7,259.81	256.51	1.85	121.16	-828.16	-3,529.93	6,824.84	6,783.41	41.42	164.765		
15,600.00	6,840.00	7,264.00	7,259.81	259.19	1.85	121.16	-828.16	-3,529.93	6,923.96	6,882.49	41.47	166.976		
15,700.00	6,840.00	7,264.00	7,259.81	261.87	1.85	121.16	-828.16	-3,529.93	7,023.10	6,981.59	41.51	169.178		
15,800.00	6,840.00	7,264.00	7,259.81	264.55	1.85	121.16	-828.16	-3,529.93	7,122.27	7,080.71	41.56	171.369		
15,900.00	6,840.00	7,264.00	7,259.81	267.23	1.85	121.16	-828.16	-3,529.93	7,221.46	7,179.85	41.61	173.552		
16,000.00	6,840.00	7,264.00	7,259.81	269.91	1.85	121.16	-828.16	-3,529.93	7,320.68	7,279.02	41.66	175.724		
16,100.00	6,840.00	7,264.00	7,259.81	272.59	1.85	121.16	-828.16	-3,529.93	7,419.91	7,378.20	41.71	177.886		
16,200.00	6,840.00	7,264.00	7,259.81	275.28	1.85	121.16	-828.16	-3,529.93	7,519.17	7,477.40	41.76	180.039		
16,300.00	6,840.00	7,264.00	7,259.81	277.96	1.85	121.16	-828.16	-3,529.93	7,618.44	7,576.62	41.82	182.183		
16,400.00	6,840.00	7,264.00	7,259.81	280.64	1.85	121.16	-828.16	-3,529.93	7,717.73	7,675.86	41.87	184.316		
16,500.00	6,840.00	7,264.00	7,259.81	283.33	1.85	121.16	-828.16	-3,529.93	7,817.05	7,775.12	41.93	186.440		
16,600.00	6,840.00	7,264.00	7,259.81	286.02	1.85	121.16	-828.16	-3,529.93	7,916.37	7,874.39	41.98	188.554		
16,700.00	6,840.00	7,264.00	7,259.81	288.70	1.85	121.16	-828.16	-3,529.93	8,015.72	7,973.68	42.04	190.659		
16,800.00	6,840.00	7,264.00	7,259.81	291.39	1.85	121.16	-828.16	-3,529.93	8,115.08	8,072.98	42.10	192.753		
16,900.00	6,840.00	7,264.00	7,259.81	294.08	1.85	121.16	-828.16	-3,529.93	8,214.46	8,172.30	42.16	194.839		
17,000.00	6,840.00	7,264.00	7,259.81	296.77	1.85	121.16	-828.16	-3,529.93	8,313.85	8,271.63	42.22	196.914		
17,100.00	6,840.00	7,264.00	7,259.81	299.46	1.85	121.16	-828.16	-3,529.93	8,413.26	8,370.98	42.28	198.980		
17,200.00	6,840.00	7,264.00	7,259.81	302.14	1.85	121.16	-828.16	-3,529.93	8,512.68	8,470.33	42.34	201.037		
17,300.00	6,840.00	7,264.00	7,259.81	304.84	1.85	121.16	-828.16	-3,529.93	8,612.11	8,569.70	42.41	203.083		
17,400.00	6,840.00	7,264.00	7,259.81	307.53	1.85	121.16	-828.16	-3,529.93	8,711.56	8,669.09	42.47	205.120		
17,500.00	6,840.00	7,264.00	7,259.81	310.22	1.85	121.16	-828.16	-3,529.93	8,811.02	8,768.48	42.53	207.148		
17,600.00	6,840.00	7,264.00	7,259.81	312.91	1.85	121.16	-828.16	-3,529.93	8,910.49	8,867.89	42.60	209.166		
17,700.00	6,840.00	7,264.00	7,259.81	315.60	1.85	121.16	-828.16	-3,529.93	9,009.97	8,967.31	42.67	211.175		
17,800.00	6,840.00	7,264.00	7,259.81	318.29	1.85	121.16	-828.16	-3,529.93	9,109.47	9,066.73	42.73	213.174		
17,900.00	6,840.00	7,264.00	7,259.81	320.99	1.85	121.16	-828.16	-3,529.93	9,208.97	9,166.17	42.80	215.163		
18,000.00	6,840.00	7,264.00	7,259.81	323.68	1.85	121.16	-828.16	-3,529.93	9,308.49	9,265.62	42.87	217.143		
18,100.00	6,840.00	7,264.00	7,259.81	326.38	1.85	121.16	-828.16	-3,529.93	9,408.01	9,365.08	42.94	219.113		
18,200.00	6,840.00	7,264.00	7,259.81	329.07	1.85	121.16	-828.16	-3,529.93	9,507.55	9,464.54	43.01	221.074		
18,300.00	6,840.00	7,264.00	7,259.81	331.77	1.85	121.16	-828.16	-3,529.93	9,607.10	9,564.02	43.08	223.026		
18,400.00	6,840.00	7,264.00	7,259.81	334.46	1.85	121.16	-828.16	-3,529.93	9,706.65	9,663.50	43.15	224.968		
18,500.00	6,840.00	7,264.00	7,259.81	337.16	1.85	121.16	-828.16	-3,529.93	9,806.21	9,763.00	43.22	226.900		
18,600.00	6,840.00	7,264.00	7,259.81	339.85	1.85	121.16	-828.16	-3,529.93	9,905.79	9,862.50	43.29	228.823		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT OCOMA G 25-16 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-172.41	-1,447.75	-192.81	1,460.66					
100.00	100.00	86.51	86.51	0.13	0.09	-172.43	-1,447.63	-192.49	1,460.38	1,460.15	0.23	6,470.713		
200.00	200.00	195.15	195.14	0.49	0.23	-172.46	-1,447.03	-191.52	1,459.72	1,458.99	0.72	2,024.683		
300.00	300.00	294.87	294.86	0.85	0.30	-172.47	-1,446.11	-191.04	1,458.74	1,457.59	1.15	1,270.401		
400.00	399.98	385.93	385.91	1.20	0.36	-44.48	-1,445.48	-191.23	1,456.84	1,455.28	1.56	936.183		
500.00	499.84	491.21	491.19	1.55	0.40	-44.70	-1,445.01	-191.14	1,452.66	1,450.71	1.95	744.962		
600.00	599.45	584.17	584.15	1.91	0.43	-45.02	-1,444.53	-191.02	1,445.95	1,443.61	2.33	619.741		
700.00	698.70	676.18	676.16	2.29	0.46	-45.44	-1,444.47	-191.54	1,437.33	1,434.59	2.74	524.785		
800.00	797.47	782.44	782.42	2.70	0.48	-46.06	-1,444.54	-191.93	1,426.46	1,423.32	3.14	454.210		
900.00	895.62	888.10	888.07	3.14	0.52	-46.86	-1,443.95	-191.83	1,412.62	1,409.03	3.59	393.672		
1,000.00	993.06	975.87	975.85	3.62	0.54	-47.68	-1,443.44	-192.09	1,396.61	1,392.56	4.04	345.469		
1,100.00	1,089.64	1,073.76	1,073.73	4.14	0.57	-48.73	-1,443.36	-192.50	1,378.97	1,374.45	4.53	304.645		
1,200.00	1,185.27	1,173.21	1,173.18	4.70	0.61	-49.97	-1,442.97	-192.62	1,359.05	1,353.99	5.06	268.640		
1,300.00	1,279.82	1,264.12	1,264.09	5.31	0.65	-51.30	-1,442.55	-192.81	1,337.27	1,331.65	5.62	237.929		
1,400.00	1,373.17	1,357.41	1,357.38	5.98	0.67	-52.83	-1,442.39	-193.25	1,314.14	1,307.92	6.22	211.365		
1,500.00	1,465.22	1,449.38	1,449.35	6.70	0.69	-54.52	-1,442.11	-193.23	1,289.47	1,282.60	6.87	187.785		
1,600.00	1,556.72	1,541.21	1,541.18	7.45	0.71	-55.91	-1,441.94	-193.49	1,264.86	1,257.30	7.56	167.352		
1,700.00	1,648.21	1,636.60	1,636.57	8.21	0.75	-57.42	-1,441.53	-193.64	1,240.85	1,232.56	8.29	149.705		
1,800.00	1,739.71	1,730.65	1,730.62	8.99	0.79	-58.97	-1,440.85	-193.66	1,217.46	1,208.41	9.05	134.496		
1,900.00	1,831.20	1,822.08	1,822.04	9.77	0.82	-60.54	-1,440.04	-193.46	1,194.88	1,185.04	9.84	121.444		
2,000.00	1,922.69	1,910.95	1,910.91	10.56	0.86	-62.12	-1,439.37	-193.07	1,173.45	1,162.80	10.65	110.207		
2,100.00	2,014.19	2,004.83	2,004.78	11.35	0.89	-63.85	-1,438.61	-192.55	1,153.04	1,141.56	11.48	100.469		
2,200.00	2,105.68	2,095.09	2,095.04	12.14	0.92	-65.56	-1,437.80	-192.03	1,133.69	1,121.37	12.33	91.983		
2,300.00	2,197.18	2,197.59	2,197.53	12.94	0.96	-67.56	-1,436.45	-191.68	1,115.13	1,101.94	13.19	84.556		
2,400.00	2,288.67	2,287.15	2,287.07	13.74	1.00	-69.36	-1,434.85	-191.49	1,097.36	1,083.28	14.07	77.985		
2,500.00	2,380.17	2,375.04	2,374.95	14.54	1.03	-71.18	-1,433.40	-191.05	1,081.09	1,066.12	14.97	72.230		
2,600.00	2,471.66	2,469.21	2,469.10	15.35	1.06	-73.19	-1,431.84	-190.30	1,066.28	1,050.41	15.87	67.183		
2,700.00	2,563.16	2,569.11	2,568.97	16.15	1.10	-75.40	-1,429.44	-189.32	1,052.37	1,035.59	16.78	62.709		
2,800.00	2,654.65	2,654.05	2,653.87	16.96	1.13	-77.32	-1,427.00	-188.57	1,039.58	1,021.89	17.70	58.740		
2,900.00	2,746.15	2,739.23	2,739.03	17.76	1.16	-79.29	-1,425.30	-187.39	1,029.29	1,010.68	18.61	55.304		
3,000.00	2,837.64	2,832.26	2,832.03	18.57	1.19	-81.45	-1,423.48	-186.54	1,020.51	1,000.99	19.52	52.286		
3,100.00	2,929.14	2,920.23	2,919.99	19.38	1.22	-83.50	-1,421.95	-185.88	1,013.50	993.08	20.42	49.641		
3,200.00	3,020.63	3,007.65	3,007.39	20.19	1.25	-85.56	-1,420.74	-185.24	1,008.43	987.14	21.30	47.346		
3,300.00	3,112.13	3,090.14	3,089.88	21.00	1.28	-87.51	-1,420.04	-184.40	1,005.63	983.47	22.16	45.388		
3,381.24	3,186.46	3,162.09	3,161.83	21.66	1.29	-89.20	-1,419.81	-183.52	1,005.02	982.19	22.83	44.015 CC		
3,400.00	3,203.62	3,178.94	3,178.67	21.81	1.30	-89.60	-1,419.80	-183.33	1,005.05	982.07	22.99	43.721 ES		
3,500.00	3,295.12	3,262.20	3,261.93	22.63	1.30	-91.54	-1,420.14	-182.53	1,006.52	982.73	23.79	42.312		
3,600.00	3,386.61	3,353.99	3,353.71	23.44	1.31	-93.62	-1,421.51	-181.83	1,010.24	985.68	24.57	41.120		
3,700.00	3,478.10	3,459.46	3,459.17	24.25	1.31	-95.99	-1,422.62	-181.81	1,014.78	989.45	25.33	40.056		
3,800.00	3,569.60	3,566.18	3,565.88	25.06	1.31	-98.33	-1,422.95	-183.32	1,019.40	993.31	26.09	39.078		
3,900.00	3,661.09	3,669.74	3,669.40	25.88	1.33	-100.57	-1,422.60	-185.94	1,024.33	997.51	26.82	38.196		
4,000.00	3,752.59	3,763.22	3,762.84	26.69	1.35	-102.59	-1,421.55	-188.59	1,030.03	1,002.52	27.52	37.435		
4,100.00	3,844.08	3,851.79	3,851.38	27.50	1.37	-104.49	-1,420.49	-190.80	1,037.38	1,009.20	28.18	36.815		
4,200.00	3,935.58	3,939.74	3,939.30	28.32	1.39	-106.35	-1,419.84	-192.88	1,046.49	1,017.68	28.81	36.325		
4,300.00	4,027.07	4,029.36	4,028.90	29.13	1.41	-108.21	-1,419.27	-194.66	1,057.31	1,027.90	29.41	35.952		
4,400.00	4,118.57	4,122.02	4,121.54	29.95	1.43	-110.12	-1,418.53	-196.45	1,069.44	1,039.46	29.98	35.671		
4,500.00	4,210.06	4,210.78	4,210.29	30.76	1.45	-111.90	-1,417.92	-198.05	1,083.02	1,052.50	30.52	35.488		
4,600.00	4,301.56	4,300.51	4,300.00	31.58	1.47	-113.68	-1,417.15	-199.35	1,098.07	1,067.05	31.02	35.393		
4,700.00	4,393.05	4,393.96	4,393.44	32.39	1.49	-115.49	-1,416.33	-200.68	1,114.36	1,082.85	31.51	35.366 SF		
4,800.00	4,484.55	4,488.99	4,488.45	33.21	1.52	-117.26	-1,415.72	-202.36	1,131.61	1,099.64	31.98	35.390		
4,900.00	4,576.04	4,572.80	4,572.24	34.02	1.54	-118.80	-1,414.93	-203.62	1,150.10	1,117.70	32.39	35.506		
5,000.00	4,667.54	4,661.16	4,660.59	34.84	1.56	-120.41	-1,413.63	-204.15	1,170.25	1,137.46	32.79	35.694		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT OCOMA G 25-16 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,759.03	4,754.24	4,753.66	35.65	1.59	-122.06	-1,412.25	-204.72	1,191.44	1,158.27	33.17	35.921		
5,200.00	4,850.53	4,855.66	4,855.07	36.47	1.62	-123.77	-1,411.05	-205.86	1,213.28	1,179.72	33.56	36.157		
5,300.00	4,942.02	4,966.82	4,966.17	37.28	1.66	-125.61	-1,408.77	-208.33	1,234.87	1,200.93	33.94	36.382		
5,400.00	5,033.51	5,069.01	5,068.26	38.10	1.69	-127.26	-1,405.83	-211.82	1,256.09	1,221.80	34.29	36.631		
5,500.00	5,125.01	5,161.33	5,160.47	38.92	1.72	-128.73	-1,402.74	-215.24	1,277.86	1,243.26	34.60	36.930		
5,600.00	5,216.50	5,250.18	5,249.20	39.73	1.74	-130.11	-1,399.45	-218.35	1,300.62	1,265.73	34.89	37.278		
5,700.00	5,308.00	5,336.40	5,335.32	40.55	1.77	-131.41	-1,396.16	-221.11	1,324.47	1,289.31	35.16	37.672		
5,800.00	5,399.49	5,420.67	5,419.48	41.36	1.80	-132.68	-1,392.36	-223.28	1,349.60	1,314.19	35.40	38.122		
5,900.00	5,490.99	5,507.21	5,505.88	42.18	1.83	-133.96	-1,387.81	-225.10	1,375.85	1,340.22	35.63	38.615		
6,000.00	5,582.48	5,588.05	5,586.58	43.00	1.85	-135.14	-1,383.36	-226.36	1,403.36	1,367.52	35.83	39.163		
6,100.00	5,673.98	5,671.48	5,669.91	43.81	1.88	-136.29	-1,379.23	-227.18	1,432.15	1,396.11	36.04	39.737		
6,200.00	5,765.47	5,759.07	5,757.43	44.63	1.91	-137.42	-1,376.01	-227.77	1,461.94	1,425.67	36.27	40.308		
6,300.00	5,856.97	5,847.08	5,845.41	45.45	1.94	-138.48	-1,373.71	-228.28	1,492.43	1,455.92	36.51	40.878		
6,400.00	5,948.46	5,936.51	5,934.81	46.26	1.96	-139.50	-1,371.71	-228.59	1,523.64	1,486.88	36.76	41.451		
6,500.00	6,039.96	6,029.01	6,027.29	47.08	1.99	-140.53	-1,369.38	-228.99	1,555.26	1,518.25	37.01	42.021		
6,600.00	6,131.45	6,119.17	6,117.42	47.90	2.02	-141.50	-1,367.13	-229.36	1,587.35	1,550.09	37.26	42.602		
6,700.00	6,222.95	6,209.54	6,207.77	48.71	2.05	-142.42	-1,365.11	-229.72	1,619.88	1,582.37	37.51	43.182		
6,800.00	6,314.44	6,293.61	6,291.81	49.53	2.08	-143.25	-1,363.26	-229.83	1,653.03	1,615.28	37.75	43.792		
6,900.00	6,405.93	6,390.46	6,388.65	50.35	2.11	-144.15	-1,361.49	-229.87	1,686.62	1,648.58	38.03	44.348		
7,000.00	6,497.01	6,483.14	6,481.32	51.18	2.14	-150.16	-1,360.20	-230.14	1,721.47	1,683.16	38.32	44.928		
7,100.00	6,582.62	6,573.56	6,571.73	52.20	2.17	-160.24	-1,358.76	-230.56	1,769.20	1,730.55	38.64	45.781		
7,200.00	6,659.25	6,645.96	6,644.12	53.42	2.19	-166.95	-1,357.65	-230.99	1,831.38	1,792.43	38.95	47.022		
7,300.00	6,724.59	6,703.49	6,701.63	54.84	2.21	-172.45	-1,356.61	-231.11	1,906.39	1,867.18	39.21	48.620		
7,400.00	6,776.64	6,750.69	6,748.83	56.40	2.22	-178.46	-1,355.66	-231.07	1,991.72	1,952.29	39.43	50.512		
7,500.00	6,813.82	6,784.09	6,782.21	58.08	2.24	171.81	-1,354.96	-230.98	2,084.59	2,045.00	39.59	52.657		
7,600.00	6,835.01	6,803.30	6,801.42	59.82	2.24	144.60	-1,354.55	-230.90	2,182.12	2,142.44	39.68	54.995		
7,700.00	6,840.00	6,808.13	6,806.25	61.57	2.24	86.85	-1,354.44	-230.88	2,281.36	2,241.66	39.71	57.451		
7,800.00	6,840.00	6,807.72	6,805.84	63.35	2.24	86.77	-1,354.45	-230.88	2,380.70	2,340.98	39.72	59.935		
7,900.00	6,840.00	6,807.30	6,805.42	65.20	2.24	86.68	-1,354.46	-230.88	2,480.08	2,440.35	39.73	62.416		
8,000.00	6,840.00	6,806.88	6,805.00	67.10	2.24	86.59	-1,354.47	-230.89	2,579.52	2,539.77	39.75	64.896		
8,100.00	6,840.00	6,806.46	6,804.58	69.05	2.24	86.50	-1,354.48	-230.89	2,678.99	2,639.23	39.76	67.373		
8,200.00	6,840.00	6,806.03	6,804.15	71.06	2.24	86.41	-1,354.49	-230.89	2,778.51	2,738.73	39.78	69.848		
8,300.00	6,840.00	6,805.60	6,803.73	73.11	2.24	86.32	-1,354.50	-230.89	2,878.05	2,838.26	39.80	72.319		
8,400.00	6,840.00	6,805.17	6,803.30	75.21	2.24	86.22	-1,354.50	-230.89	2,977.63	2,937.82	39.81	74.789		
8,500.00	6,840.00	6,804.74	6,802.86	77.34	2.24	86.13	-1,354.51	-230.90	3,077.24	3,037.40	39.83	77.255		
8,600.00	6,840.00	6,804.30	6,802.43	79.51	2.24	86.04	-1,354.52	-230.90	3,176.86	3,137.01	39.85	79.717		
8,700.00	6,840.00	6,803.86	6,801.99	81.72	2.24	85.95	-1,354.53	-230.90	3,276.52	3,236.65	39.87	82.177		
8,800.00	6,840.00	6,803.42	6,801.55	83.95	2.24	85.85	-1,354.54	-230.90	3,376.19	3,336.30	39.89	84.633		
8,900.00	6,840.00	6,802.98	6,801.10	86.22	2.24	85.76	-1,354.55	-230.90	3,475.88	3,435.97	39.91	87.086		
9,000.00	6,840.00	6,802.53	6,800.65	88.51	2.24	85.66	-1,354.56	-230.90	3,575.59	3,535.65	39.94	89.534		
9,100.00	6,840.00	6,802.08	6,800.20	90.83	2.24	85.57	-1,354.57	-230.91	3,675.31	3,635.36	39.96	91.979		
9,200.00	6,840.00	6,801.63	6,799.75	93.16	2.24	85.47	-1,354.58	-230.91	3,775.05	3,735.07	39.98	94.420		
9,300.00	6,840.00	6,801.17	6,799.29	95.52	2.24	85.37	-1,354.59	-230.91	3,874.80	3,834.80	40.01	96.857		
9,400.00	6,840.00	6,800.71	6,798.83	97.90	2.24	85.28	-1,354.60	-230.91	3,974.57	3,934.54	40.03	99.290		
9,500.00	6,840.00	6,800.25	6,798.37	100.30	2.24	85.18	-1,354.61	-230.91	4,074.34	4,034.29	40.06	101.718		
9,600.00	6,840.00	6,799.84	6,797.96	102.72	2.24	85.09	-1,354.62	-230.92	4,174.13	4,134.05	40.08	104.141		
9,700.00	6,840.00	6,799.49	6,797.62	105.15	2.24	85.02	-1,354.63	-230.92	4,273.93	4,233.82	40.11	106.559		
9,800.00	6,840.00	6,799.15	6,797.28	107.59	2.24	84.95	-1,354.64	-230.92	4,373.73	4,333.60	40.14	108.973		
9,900.00	6,840.00	6,798.82	6,796.94	110.05	2.24	84.87	-1,354.64	-230.92	4,473.55	4,433.38	40.16	111.382		
10,000.00	6,840.00	6,798.48	6,796.61	112.52	2.24	84.80	-1,354.65	-230.92	4,573.37	4,533.18	40.19	113.785		
10,100.00	6,840.00	6,798.15	6,796.27	115.00	2.24	84.73	-1,354.66	-230.92	4,673.20	4,632.98	40.22	116.184		
10,200.00	6,840.00	6,797.82	6,795.94	117.50	2.24	84.66	-1,354.66	-230.92	4,773.04	4,732.79	40.25	118.578		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT OCOMA G 25-16 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,300.00	6,840.00	6,797.49	6,795.61	120.00	2.24	84.59	-1,354.67	-230.93	4,872.88	4,832.60	40.28	120.966	
10,400.00	6,840.00	6,797.16	6,795.29	122.51	2.24	84.52	-1,354.68	-230.93	4,972.73	4,932.42	40.31	123.349	
10,500.00	6,840.00	6,796.84	6,794.97	125.04	2.24	84.45	-1,354.69	-230.93	5,072.59	5,032.24	40.35	125.727	
10,600.00	6,840.00	6,796.52	6,794.65	127.57	2.24	84.39	-1,354.69	-230.93	5,172.45	5,132.07	40.38	128.099	
10,700.00	6,840.00	6,796.20	6,794.33	130.11	2.24	84.32	-1,354.70	-230.93	5,272.32	5,231.91	40.41	130.465	
10,800.00	6,840.00	6,795.89	6,794.01	132.66	2.24	84.25	-1,354.71	-230.93	5,372.19	5,331.74	40.45	132.826	
10,900.00	6,840.00	6,795.57	6,793.70	135.21	2.24	84.19	-1,354.71	-230.93	5,472.07	5,431.59	40.48	135.181	
11,000.00	6,840.00	6,795.26	6,793.39	137.77	2.24	84.12	-1,354.72	-230.93	5,571.95	5,531.43	40.51	137.530	
11,100.00	6,840.00	6,794.95	6,793.08	140.34	2.24	84.05	-1,354.73	-230.94	5,671.83	5,631.28	40.55	139.873	
11,200.00	6,840.00	6,794.65	6,792.77	142.91	2.24	83.99	-1,354.73	-230.94	5,771.72	5,731.13	40.59	142.210	
11,300.00	6,840.00	6,794.34	6,792.47	145.49	2.24	83.92	-1,354.74	-230.94	5,871.61	5,830.99	40.62	144.541	
11,400.00	6,840.00	6,794.04	6,792.17	148.07	2.24	83.86	-1,354.75	-230.94	5,971.51	5,930.85	40.66	146.866	
11,500.00	6,840.00	6,793.74	6,791.87	150.66	2.24	83.80	-1,354.75	-230.94	6,071.41	6,030.71	40.70	149.185	
11,600.00	6,840.00	6,793.44	6,791.57	153.25	2.24	83.73	-1,354.76	-230.94	6,171.31	6,130.58	40.74	151.497	
11,700.00	6,840.00	6,793.15	6,791.27	155.85	2.24	83.67	-1,354.77	-230.94	6,271.22	6,230.44	40.77	153.803	
11,800.00	6,840.00	6,792.85	6,790.98	158.45	2.24	83.61	-1,354.77	-230.94	6,371.13	6,330.31	40.81	156.102	
11,900.00	6,840.00	6,792.56	6,790.69	161.06	2.24	83.55	-1,354.78	-230.95	6,471.04	6,430.18	40.85	158.395	
12,000.00	6,840.00	6,792.27	6,790.40	163.67	2.24	83.49	-1,354.78	-230.95	6,570.95	6,530.06	40.89	160.681	
12,100.00	6,840.00	6,791.98	6,790.11	166.28	2.24	83.43	-1,354.79	-230.95	6,670.87	6,629.93	40.94	162.960	
12,200.00	6,840.00	6,791.70	6,789.83	168.90	2.24	83.37	-1,354.80	-230.95	6,770.79	6,729.81	40.98	165.233	
12,300.00	6,840.00	6,791.42	6,789.54	171.52	2.24	83.31	-1,354.80	-230.95	6,870.71	6,829.69	41.02	167.498	
12,400.00	6,840.00	6,791.13	6,789.26	174.15	2.24	83.25	-1,354.81	-230.95	6,970.64	6,929.57	41.06	169.757	
12,500.00	6,840.00	6,790.86	6,788.98	176.77	2.24	83.19	-1,354.82	-230.95	7,070.56	7,029.46	41.11	172.009	
12,600.00	6,840.00	6,790.58	6,788.70	179.40	2.24	83.13	-1,354.82	-230.95	7,170.49	7,129.34	41.15	174.254	
12,700.00	6,840.00	6,790.30	6,788.43	182.04	2.24	83.07	-1,354.83	-230.95	7,270.42	7,229.23	41.19	176.491	
12,800.00	6,840.00	6,790.03	6,788.15	184.67	2.24	83.01	-1,354.83	-230.95	7,370.35	7,329.11	41.24	178.722	
12,900.00	6,840.00	6,789.76	6,787.88	187.31	2.24	82.95	-1,354.84	-230.96	7,470.29	7,429.00	41.28	180.945	
13,000.00	6,840.00	6,789.49	6,787.61	189.95	2.24	82.90	-1,354.84	-230.96	7,570.22	7,528.89	41.33	183.161	
13,100.00	6,840.00	6,789.22	6,787.34	192.59	2.24	82.84	-1,354.85	-230.96	7,670.16	7,628.78	41.38	185.370	
13,200.00	6,840.00	6,788.95	6,787.08	195.24	2.24	82.79	-1,354.86	-230.96	7,770.10	7,728.67	41.42	187.571	
13,300.00	6,840.00	6,788.68	6,786.81	197.88	2.24	82.73	-1,354.86	-230.96	7,870.04	7,828.56	41.47	189.765	
13,400.00	6,840.00	6,788.42	6,786.55	200.53	2.24	82.67	-1,354.87	-230.96	7,969.98	7,928.46	41.52	191.952	
13,500.00	6,840.00	6,788.16	6,786.29	203.18	2.24	82.62	-1,354.87	-230.96	8,069.92	8,028.35	41.57	194.130	
13,600.00	6,840.00	6,787.90	6,786.03	205.83	2.24	82.56	-1,354.88	-230.96	8,169.87	8,128.25	41.62	196.302	
13,700.00	6,840.00	6,787.65	6,785.77	208.49	2.24	82.51	-1,354.88	-230.96	8,269.81	8,228.14	41.67	198.465	
13,800.00	6,840.00	6,787.39	6,785.52	211.14	2.24	82.46	-1,354.89	-230.96	8,369.76	8,328.04	41.72	200.621	
13,900.00	6,840.00	6,787.14	6,785.26	213.80	2.24	82.40	-1,354.90	-230.97	8,469.71	8,427.94	41.77	202.770	
14,000.00	6,840.00	6,786.88	6,785.01	216.46	2.24	82.35	-1,354.90	-230.97	8,569.66	8,527.84	41.82	204.910	
14,100.00	6,840.00	6,786.63	6,784.76	219.12	2.24	82.30	-1,354.91	-230.97	8,669.61	8,627.74	41.87	207.043	
14,200.00	6,840.00	6,786.38	6,784.51	221.78	2.24	82.24	-1,354.91	-230.97	8,769.56	8,727.63	41.93	209.168	
14,300.00	6,840.00	6,786.14	6,784.26	224.45	2.24	82.19	-1,354.92	-230.97	8,869.51	8,827.53	41.98	211.285	
14,400.00	6,840.00	6,785.89	6,784.02	227.11	2.24	82.14	-1,354.92	-230.97	8,969.47	8,927.44	42.03	213.394	
14,500.00	6,840.00	6,785.65	6,783.77	229.78	2.24	82.09	-1,354.93	-230.97	9,069.42	9,027.34	42.09	215.495	
14,600.00	6,840.00	6,785.40	6,783.53	232.45	2.24	82.04	-1,354.93	-230.97	9,169.38	9,127.24	42.14	217.588	
14,700.00	6,840.00	6,785.16	6,783.29	235.12	2.24	81.99	-1,354.94	-230.97	9,269.34	9,227.14	42.20	219.673	
14,800.00	6,840.00	6,784.92	6,783.05	237.79	2.24	81.94	-1,354.94	-230.97	9,369.29	9,327.04	42.25	221.750	
14,900.00	6,840.00	6,784.68	6,782.81	240.46	2.24	81.89	-1,354.95	-230.97	9,469.25	9,426.94	42.31	223.818	
15,000.00	6,840.00	6,784.45	6,782.58	243.13	2.24	81.84	-1,354.95	-230.98	9,569.21	9,526.85	42.36	225.879	
15,100.00	6,840.00	6,784.21	6,782.34	245.80	2.24	81.79	-1,354.96	-230.98	9,669.17	9,626.75	42.42	227.932	
15,200.00	6,840.00	6,783.98	6,782.11	248.48	2.24	81.74	-1,354.96	-230.98	9,769.13	9,726.65	42.48	229.976	
15,300.00	6,840.00	6,783.75	6,781.87	251.15	2.24	81.69	-1,354.97	-230.98	9,869.10	9,826.56	42.54	232.012	
15,400.00	6,840.00	6,783.52	6,781.64	253.83	2.24	81.64	-1,354.97	-230.98	9,969.06	9,926.46	42.60	234.040	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT OCOMA G25-23 GYRO - OWB - GYRO													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	-127.76	-784.69	-1,013.11	1,281.91					
100.00	100.00	68.95	68.95	0.13	0.12	-127.76	-784.62	-1,013.07	1,281.38	1,281.13	0.26	4,963.274		
200.00	200.00	169.01	169.01	0.49	0.43	-127.75	-784.32	-1,012.94	1,281.10	1,280.18	0.92	1,394.678		
300.00	300.00	267.60	267.59	0.85	0.78	-127.74	-783.97	-1,012.99	1,280.92	1,279.30	1.63	786.540		
400.00	399.98	367.18	367.18	1.20	1.13	0.33	-783.61	-1,013.15	1,279.08	1,276.75	2.33	548.827		
500.00	499.84	466.46	466.45	1.55	1.49	0.36	-783.19	-1,013.37	1,273.77	1,270.74	3.03	420.097		
600.00	599.45	563.52	563.52	1.91	1.83	0.38	-782.88	-1,013.65	1,265.08	1,261.35	3.73	339.225		
700.00	698.70	663.13	663.13	2.29	2.18	0.39	-782.81	-1,013.95	1,253.09	1,248.65	4.44	282.246		
800.00	797.47	764.37	764.37	2.70	2.54	0.42	-782.48	-1,014.23	1,237.47	1,232.31	5.16	239.612		
900.00	895.62	859.76	859.75	3.14	2.88	0.45	-782.20	-1,014.41	1,218.36	1,212.49	5.87	207.509		
1,000.00	993.06	955.89	955.89	3.62	3.22	0.47	-782.14	-1,014.80	1,196.15	1,189.56	6.58	181.693		
1,100.00	1,089.64	1,054.07	1,054.06	4.14	3.57	0.51	-781.99	-1,015.16	1,170.45	1,163.15	7.31	160.155		
1,200.00	1,185.27	1,150.71	1,150.70	4.70	3.91	0.55	-781.67	-1,015.51	1,141.30	1,133.27	8.03	142.064		
1,300.00	1,279.82	1,244.66	1,244.65	5.31	4.25	0.60	-781.24	-1,015.89	1,108.79	1,100.04	8.75	126.656		
1,400.00	1,373.17	1,335.98	1,335.96	5.98	4.58	0.67	-780.77	-1,016.48	1,073.14	1,063.67	9.47	113.320		
1,500.00	1,465.22	1,427.21	1,427.19	6.70	4.90	0.76	-780.31	-1,017.28	1,034.45	1,024.25	10.19	101.472		
1,600.00	1,556.72	1,520.30	1,520.28	7.45	5.24	0.85	-779.66	-1,018.12	994.36	983.45	10.91	91.133		
1,700.00	1,648.21	1,611.69	1,611.66	8.21	5.56	0.96	-778.95	-1,018.97	954.26	942.63	11.63	82.064		
1,800.00	1,739.71	1,705.77	1,705.73	8.99	5.90	1.09	-778.08	-1,019.79	914.03	901.67	12.36	73.971		
1,900.00	1,831.20	1,797.87	1,797.82	9.77	6.23	1.22	-777.17	-1,020.44	873.65	860.57	13.08	66.778		
2,000.00	1,922.69	1,889.42	1,889.37	10.56	6.56	1.35	-776.38	-1,020.94	833.23	819.42	13.81	60.331		
2,100.00	2,014.19	1,981.23	1,981.17	11.35	6.89	1.48	-775.65	-1,021.37	792.79	778.25	14.54	54.517		
2,200.00	2,105.68	2,076.66	2,076.60	12.14	7.23	1.65	-774.67	-1,021.69	752.14	736.86	15.28	49.230		
2,300.00	2,197.18	2,168.41	2,168.34	12.94	7.55	1.84	-773.38	-1,021.78	711.10	695.09	16.01	44.416		
2,400.00	2,288.67	2,259.40	2,259.32	13.74	7.88	2.07	-771.96	-1,022.04	670.13	653.38	16.74	40.022		
2,500.00	2,380.17	2,348.08	2,347.98	14.54	8.20	2.36	-770.30	-1,022.60	629.26	611.78	17.48	35.994		
2,600.00	2,471.66	2,438.60	2,438.48	15.35	8.52	2.72	-768.80	-1,023.64	588.90	570.68	18.23	32.311		
2,700.00	2,563.16	2,534.12	2,533.99	16.15	8.86	3.14	-767.03	-1,024.31	548.13	529.16	18.97	28.901		
2,800.00	2,654.65	2,627.82	2,627.66	16.96	9.20	3.59	-765.08	-1,024.28	506.71	487.01	19.70	25.716		
2,900.00	2,746.15	2,717.74	2,717.56	17.76	9.52	4.13	-763.02	-1,024.26	465.23	444.77	20.46	22.743		
3,000.00	2,837.64	2,806.45	2,806.24	18.57	9.83	4.80	-760.97	-1,024.74	424.21	402.98	21.22	19.988		
3,100.00	2,929.14	2,901.40	2,901.17	19.38	10.17	5.65	-758.73	-1,024.97	382.99	361.02	21.97	17.432		
3,200.00	3,020.63	2,990.05	2,989.79	20.19	10.49	6.66	-756.49	-1,025.10	341.69	318.92	22.77	15.008		
3,300.00	3,112.13	3,083.63	3,083.32	21.00	10.82	8.15	-753.52	-1,025.53	300.47	276.91	23.56	12.754		
3,400.00	3,203.62	3,174.62	3,174.23	21.81	11.15	10.20	-749.88	-1,025.69	258.87	234.44	24.42	10.600		
3,500.00	3,295.12	3,264.50	3,264.05	22.63	11.47	12.89	-746.58	-1,025.79	217.72	192.33	25.39	8.575		
3,600.00	3,386.61	3,355.29	3,354.82	23.44	11.79	16.54	-744.13	-1,025.71	177.35	150.85	26.50	6.692		
3,700.00	3,478.10	3,446.28	3,445.78	24.25	12.11	21.88	-742.40	-1,025.12	137.68	109.77	27.92	4.932		
3,800.00	3,569.60	3,537.10	3,536.59	25.06	12.43	30.70	-741.51	-1,024.31	99.77	69.70	30.07	3.318		
3,900.00	3,661.09	3,628.15	3,627.65	25.88	12.74	48.02	-741.25	-1,023.51	66.32	32.24	34.07	1.946		
4,000.00	3,752.59	3,719.47	3,718.96	26.69	13.04	83.67	-741.45	-1,022.78	46.92	7.31	39.61	1.184	Level 2	
4,016.25	3,767.46	3,734.32	3,733.81	26.82	13.09	91.07	-741.51	-1,022.68	46.45	6.55	39.90	1.164	Level 2, CC, ES, SF	
4,100.00	3,844.08	3,810.96	3,810.45	27.50	13.34	124.79	-741.92	-1,022.26	57.49	20.30	37.19	1.546		
4,200.00	3,935.58	3,902.60	3,902.09	28.32	13.65	146.75	-742.57	-1,021.84	87.48	53.71	33.77	2.590		
4,300.00	4,027.07	3,994.65	3,994.13	29.13	13.95	157.26	-743.42	-1,021.60	123.22	90.51	32.70	3.768		
4,400.00	4,118.57	4,086.25	4,085.72	29.95	14.26	162.90	-744.22	-1,021.71	160.82	128.19	32.63	4.928		
4,500.00	4,210.06	4,177.97	4,177.45	30.76	14.57	166.32	-744.78	-1,022.02	199.32	166.35	32.97	6.045		
4,600.00	4,301.56	4,270.26	4,269.73	31.58	14.88	168.55	-745.17	-1,022.67	238.16	204.66	33.51	7.108		
4,700.00	4,393.05	4,363.52	4,362.98	32.39	15.21	169.98	-745.22	-1,024.19	276.88	242.72	34.16	8.105		
4,800.00	4,484.55	4,456.16	4,455.60	33.21	15.53	171.10	-745.74	-1,025.79	315.31	280.48	34.84	9.052		
4,900.00	4,576.04	4,546.70	4,546.13	34.02	15.85	171.97	-746.20	-1,027.22	353.95	318.46	35.49	9.973		
5,000.00	4,667.54	4,635.15	4,634.57	34.84	16.16	172.57	-745.82	-1,028.53	393.32	357.19	36.13	10.886		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT OCOMA G25-23 GYRO - OWB - GYRO													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	4,759.03	4,722.52	4,721.91	35.65	16.47	172.94	-744.25	-1,029.78	433.64	396.86	36.78	11.790		
5,200.00	4,850.53	4,809.86	4,809.23	36.47	16.78	173.25	-742.12	-1,030.48	474.78	437.34	37.44	12.682		
5,300.00	4,942.02	4,896.46	4,895.79	37.28	17.09	173.52	-739.59	-1,030.58	516.70	478.61	38.09	13.565		
5,400.00	5,033.51	4,981.60	4,980.88	38.10	17.39	173.79	-736.81	-1,029.89	559.44	520.72	38.72	14.449		
5,500.00	5,125.01	5,071.19	5,070.41	38.92	17.71	174.09	-733.91	-1,028.36	602.76	563.33	39.43	15.287		
5,600.00	5,216.50	5,159.48	5,158.64	39.73	18.02	174.36	-731.12	-1,026.76	646.12	606.00	40.12	16.104		
5,700.00	5,308.00	5,250.93	5,250.02	40.55	18.34	174.62	-728.19	-1,024.81	689.73	648.86	40.87	16.877		
5,800.00	5,399.49	5,341.02	5,340.06	41.36	18.66	174.88	-725.85	-1,022.96	732.91	691.32	41.59	17.622		
5,900.00	5,490.99	5,427.66	5,426.64	42.18	18.96	175.16	-723.82	-1,020.32	776.62	734.37	42.26	18.378		
6,000.00	5,582.48	5,523.44	5,522.35	43.00	19.29	175.52	-722.49	-1,016.86	820.15	777.10	43.06	19.048		
6,100.00	5,673.98	5,625.24	5,624.09	43.81	19.64	175.91	-722.36	-1,013.51	862.72	818.79	43.93	19.638		
6,200.00	5,765.47	5,728.84	5,727.66	44.63	19.99	176.27	-723.25	-1,011.18	904.01	859.20	44.81	20.173		
6,300.00	5,856.97	5,827.63	5,826.43	45.45	20.33	176.54	-724.47	-1,010.27	944.18	898.55	45.63	20.693		
6,400.00	5,948.46	5,919.22	5,918.02	46.26	20.63	176.71	-724.99	-1,010.13	984.24	937.89	46.35	21.233		
6,500.00	6,039.96	6,018.06	6,016.86	47.08	20.97	176.89	-726.04	-1,010.40	1,023.71	976.54	47.17	21.703		
6,600.00	6,131.45	6,098.33	6,097.12	47.90	21.24	177.02	-726.65	-1,010.42	1,063.55	1,015.78	47.77	22.264		
6,700.00	6,222.95	6,194.97	6,193.76	48.71	21.57	177.14	-726.87	-1,010.47	1,103.69	1,055.13	48.56	22.727		
6,800.00	6,314.44	6,290.30	6,289.09	49.53	21.90	177.25	-727.31	-1,010.84	1,143.46	1,094.11	49.34	23.174		
6,900.00	6,405.93	6,385.22	6,384.01	50.35	22.22	177.36	-728.09	-1,011.29	1,182.96	1,132.84	50.12	23.605		
7,000.00	6,497.01	6,475.54	6,474.32	51.18	22.53	171.26	-728.93	-1,011.76	1,223.21	1,172.37	50.84	24.059		
7,100.00	6,582.62	6,559.73	6,558.51	52.20	22.82	159.09	-729.68	-1,012.06	1,272.55	1,221.00	51.55	24.685		
7,200.00	6,659.25	6,636.21	6,634.99	53.42	23.08	149.58	-730.26	-1,012.31	1,332.00	1,279.77	52.23	25.504		
7,300.00	6,724.59	6,702.62	6,701.40	54.84	23.31	140.50	-730.76	-1,012.55	1,400.14	1,347.29	52.84	26.497		
7,400.00	6,776.64	6,752.05	6,750.82	56.40	23.48	130.18	-731.13	-1,012.68	1,475.53	1,422.21	53.32	27.676		
7,500.00	6,813.82	6,787.26	6,786.03	58.08	23.60	117.62	-731.38	-1,012.71	1,556.42	1,502.74	53.68	28.994		
7,600.00	6,835.01	6,807.81	6,806.58	59.82	23.67	102.67	-731.53	-1,012.70	1,640.74	1,586.81	53.94	30.420		
7,700.00	6,840.00	6,812.89	6,811.66	61.57	23.69	90.37	-731.56	-1,012.70	1,726.23	1,672.16	54.08	31.922		
7,800.00	6,840.00	6,812.86	6,811.63	63.35	23.69	90.36	-731.56	-1,012.70	1,812.74	1,758.54	54.19	33.451		
7,900.00	6,840.00	6,812.83	6,811.60	65.20	23.69	90.36	-731.56	-1,012.70	1,900.56	1,846.25	54.31	34.993		
8,000.00	6,840.00	6,812.80	6,811.57	67.10	23.69	90.36	-731.56	-1,012.70	1,989.54	1,935.10	54.44	36.547		
8,100.00	6,840.00	6,812.77	6,811.54	69.05	23.69	90.36	-731.56	-1,012.70	2,079.52	2,024.95	54.56	38.111		
8,200.00	6,840.00	6,812.74	6,811.51	71.06	23.69	90.36	-731.56	-1,012.70	2,170.37	2,115.68	54.69	39.684		
8,300.00	6,840.00	6,812.71	6,811.48	73.11	23.69	90.35	-731.56	-1,012.70	2,262.00	2,207.18	54.82	41.265		
8,400.00	6,840.00	6,812.68	6,811.45	75.21	23.69	90.35	-731.56	-1,012.70	2,354.31	2,299.37	54.94	42.852		
8,500.00	6,840.00	6,812.65	6,811.42	77.34	23.69	90.35	-731.56	-1,012.70	2,447.22	2,392.16	55.06	44.446		
8,600.00	6,840.00	6,812.61	6,811.39	79.51	23.69	90.35	-731.56	-1,012.70	2,540.67	2,485.50	55.18	46.044		
8,700.00	6,840.00	6,812.58	6,811.35	81.72	23.69	90.35	-731.56	-1,012.70	2,634.61	2,579.31	55.29	47.647		
8,800.00	6,840.00	6,812.55	6,811.32	83.95	23.69	90.34	-731.56	-1,012.70	2,728.97	2,673.56	55.41	49.254		
8,900.00	6,840.00	6,812.52	6,811.29	86.22	23.69	90.34	-731.56	-1,012.70	2,823.72	2,768.21	55.52	50.864		
9,000.00	6,840.00	6,812.49	6,811.26	88.51	23.69	90.34	-731.56	-1,012.70	2,918.82	2,863.20	55.62	52.476		
9,100.00	6,840.00	6,812.46	6,811.23	90.83	23.69	90.34	-731.56	-1,012.70	3,014.24	2,958.52	55.73	54.091		
9,200.00	6,840.00	6,812.42	6,811.19	93.16	23.69	90.34	-731.56	-1,012.70	3,109.95	3,054.12	55.83	55.708		
9,300.00	6,840.00	6,812.39	6,811.16	95.52	23.69	90.33	-731.56	-1,012.70	3,205.92	3,150.00	55.92	57.326		
9,400.00	6,840.00	6,812.36	6,811.13	97.90	23.69	90.33	-731.56	-1,012.70	3,302.13	3,246.11	56.02	58.945		
9,500.00	6,840.00	6,812.33	6,811.10	100.30	23.69	90.33	-731.56	-1,012.70	3,398.55	3,342.44	56.11	60.565		
9,600.00	6,840.00	6,812.29	6,811.06	102.72	23.69	90.33	-731.56	-1,012.70	3,495.18	3,438.98	56.21	62.185		
9,700.00	6,840.00	6,812.26	6,811.03	105.15	23.69	90.32	-731.56	-1,012.70	3,592.00	3,535.70	56.30	63.806		
9,800.00	6,840.00	6,812.23	6,811.00	107.59	23.69	90.32	-731.56	-1,012.70	3,688.98	3,632.59	56.38	65.427		
9,900.00	6,840.00	6,812.19	6,810.96	110.05	23.69	90.32	-731.56	-1,012.70	3,786.12	3,729.65	56.47	67.047		
10,000.00	6,840.00	6,812.16	6,810.93	112.52	23.69	90.32	-731.56	-1,012.70	3,883.40	3,826.85	56.55	68.667		
10,100.00	6,840.00	6,812.13	6,810.90	115.00	23.69	90.32	-731.56	-1,012.70	3,980.82	3,924.18	56.64	70.287		
10,200.00	6,840.00	6,812.09	6,810.86	117.50	23.69	90.31	-731.56	-1,012.70	4,078.37	4,021.65	56.72	71.905		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT OCOMA G25-23 GYRO - OWB - GYRO													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		
10,300.00	6,840.00	6,812.06	6,810.83	120.00	23.69	90.31	-731.56	-1,012.70	4,176.03	4,119.23	56.80	73.523		
10,400.00	6,840.00	6,812.02	6,810.80	122.51	23.69	90.31	-731.56	-1,012.70	4,273.79	4,216.92	56.88	75.140		
10,500.00	6,840.00	6,811.99	6,810.76	125.04	23.69	90.31	-731.56	-1,012.70	4,371.66	4,314.71	56.96	76.755		
10,600.00	6,840.00	6,811.96	6,810.73	127.57	23.69	90.31	-731.56	-1,012.70	4,469.63	4,412.59	57.03	78.369		
10,700.00	6,840.00	6,811.92	6,810.69	130.11	23.69	90.30	-731.56	-1,012.70	4,567.68	4,510.57	57.11	79.981		
10,800.00	6,840.00	6,811.89	6,810.66	132.66	23.69	90.30	-731.56	-1,012.70	4,665.82	4,608.63	57.19	81.591		
10,900.00	6,840.00	6,811.85	6,810.62	135.21	23.69	90.30	-731.56	-1,012.70	4,764.03	4,706.77	57.26	83.200		
11,000.00	6,840.00	6,811.81	6,810.59	137.77	23.69	90.30	-731.56	-1,012.70	4,862.31	4,804.98	57.33	84.807		
11,100.00	6,840.00	6,811.78	6,810.55	140.34	23.69	90.29	-731.55	-1,012.70	4,960.67	4,903.26	57.41	86.411		
11,200.00	6,840.00	6,811.74	6,810.51	142.91	23.68	90.29	-731.55	-1,012.70	5,059.09	5,001.60	57.48	88.014		
11,300.00	6,840.00	6,811.71	6,810.48	145.49	23.68	90.29	-731.55	-1,012.70	5,157.56	5,100.01	57.55	89.614		
11,400.00	6,840.00	6,811.67	6,810.44	148.07	23.68	90.29	-731.55	-1,012.70	5,256.10	5,198.48	57.62	91.213		
11,500.00	6,840.00	6,811.64	6,810.41	150.66	23.68	90.28	-731.55	-1,012.70	5,354.69	5,297.00	57.70	92.808		
11,600.00	6,840.00	6,811.60	6,810.37	153.25	23.68	90.28	-731.55	-1,012.70	5,453.33	5,395.57	57.77	94.401		
11,700.00	6,840.00	6,811.56	6,810.33	155.85	23.68	90.28	-731.55	-1,012.70	5,552.02	5,494.19	57.84	95.992		
11,800.00	6,840.00	6,811.52	6,810.30	158.45	23.68	90.28	-731.55	-1,012.70	5,650.76	5,592.85	57.91	97.580		
11,900.00	6,840.00	6,811.49	6,810.26	161.06	23.68	90.27	-731.55	-1,012.70	5,749.54	5,691.56	57.98	99.165		
12,000.00	6,840.00	6,811.45	6,810.22	163.67	23.68	90.27	-731.55	-1,012.70	5,848.36	5,790.31	58.05	100.748		
12,100.00	6,840.00	6,811.41	6,810.18	166.28	23.68	90.27	-731.55	-1,012.70	5,947.23	5,889.11	58.12	102.328		
12,200.00	6,840.00	6,811.38	6,810.15	168.90	23.68	90.27	-731.55	-1,012.70	6,046.12	5,987.93	58.19	103.904		
12,300.00	6,840.00	6,811.34	6,810.11	171.52	23.68	90.27	-731.55	-1,012.70	6,145.06	6,086.80	58.26	105.478		
12,400.00	6,840.00	6,811.30	6,810.07	174.15	23.68	90.26	-731.55	-1,012.70	6,244.03	6,185.70	58.33	107.049		
12,500.00	6,840.00	6,811.26	6,810.03	176.77	23.68	90.26	-731.55	-1,012.70	6,343.03	6,284.63	58.40	108.617		
12,600.00	6,840.00	6,811.22	6,809.99	179.40	23.68	90.26	-731.55	-1,012.70	6,442.06	6,383.59	58.47	110.181		
12,700.00	6,840.00	6,811.18	6,809.95	182.04	23.68	90.26	-731.55	-1,012.70	6,541.12	6,482.58	58.54	111.742		
12,800.00	6,840.00	6,811.14	6,809.92	184.67	23.68	90.25	-731.55	-1,012.70	6,640.21	6,581.60	58.61	113.300		
12,900.00	6,840.00	6,811.10	6,809.88	187.31	23.68	90.25	-731.55	-1,012.70	6,739.33	6,680.65	58.68	114.855		
13,000.00	6,840.00	6,811.07	6,809.84	189.95	23.68	90.25	-731.55	-1,012.70	6,838.47	6,779.72	58.75	116.407		
13,100.00	6,840.00	6,811.03	6,809.80	192.59	23.68	90.25	-731.55	-1,012.70	6,937.63	6,878.82	58.82	117.955		
13,200.00	6,840.00	6,810.99	6,809.76	195.24	23.68	90.24	-731.55	-1,012.70	7,036.82	6,977.94	58.89	119.499		
13,300.00	6,840.00	6,810.95	6,809.72	197.88	23.68	90.24	-731.55	-1,012.70	7,136.04	7,077.08	58.96	121.040		
13,400.00	6,840.00	6,810.91	6,809.68	200.53	23.68	90.24	-731.55	-1,012.70	7,235.27	7,176.24	59.03	122.578		
13,500.00	6,840.00	6,810.86	6,809.64	203.18	23.68	90.23	-731.55	-1,012.70	7,334.53	7,275.43	59.10	124.112		
13,600.00	6,840.00	6,810.82	6,809.59	205.83	23.68	90.23	-731.55	-1,012.70	7,433.80	7,374.63	59.17	125.642		
13,700.00	6,840.00	6,810.78	6,809.55	208.49	23.68	90.23	-731.55	-1,012.70	7,533.10	7,473.86	59.24	127.168		
13,800.00	6,840.00	6,810.74	6,809.51	211.14	23.68	90.23	-731.55	-1,012.70	7,632.41	7,573.10	59.31	128.691		
13,900.00	6,840.00	6,810.70	6,809.47	213.80	23.68	90.22	-731.55	-1,012.70	7,731.74	7,672.36	59.38	130.211		
14,000.00	6,840.00	6,810.66	6,809.43	216.46	23.68	90.22	-731.55	-1,012.70	7,831.09	7,771.64	59.45	131.726		
14,100.00	6,840.00	6,810.62	6,809.39	219.12	23.68	90.22	-731.55	-1,012.70	7,930.45	7,870.93	59.52	133.238		
14,200.00	6,840.00	6,810.57	6,809.34	221.78	23.68	90.22	-731.55	-1,012.70	8,029.83	7,970.24	59.59	134.746		
14,300.00	6,840.00	6,810.53	6,809.30	224.45	23.68	90.21	-731.55	-1,012.70	8,129.22	8,069.56	59.66	136.250		
14,400.00	6,840.00	6,810.49	6,809.26	227.11	23.68	90.21	-731.55	-1,012.70	8,228.63	8,168.90	59.74	137.750		
14,500.00	6,840.00	6,810.44	6,809.22	229.78	23.68	90.21	-731.55	-1,012.70	8,328.06	8,268.25	59.81	139.246		
14,600.00	6,840.00	6,810.40	6,809.17	232.45	23.68	90.20	-731.55	-1,012.70	8,427.50	8,367.61	59.88	140.738		
14,700.00	6,840.00	6,810.36	6,809.13	235.12	23.68	90.20	-731.55	-1,012.70	8,526.95	8,466.99	59.95	142.226		
14,800.00	6,840.00	6,810.31	6,809.09	237.79	23.68	90.20	-731.54	-1,012.70	8,626.41	8,566.38	60.03	143.710		
14,900.00	6,840.00	6,810.27	6,809.04	240.46	23.68	90.20	-731.54	-1,012.70	8,725.88	8,665.78	60.10	145.190		
15,000.00	6,840.00	6,810.23	6,809.00	243.13	23.68	90.19	-731.54	-1,012.70	8,825.37	8,765.20	60.17	146.666		
15,100.00	6,840.00	6,810.18	6,808.95	245.80	23.68	90.19	-731.54	-1,012.70	8,924.87	8,864.62	60.25	148.138		
15,200.00	6,840.00	6,810.14	6,808.91	248.48	23.68	90.19	-731.54	-1,012.70	9,024.38	8,964.06	60.32	149.606		
15,300.00	6,840.00	6,810.09	6,808.86	251.15	23.68	90.18	-731.54	-1,012.70	9,123.90	9,063.51	60.40	151.070		
15,400.00	6,840.00	6,810.05	6,808.82	253.83	23.68	90.18	-731.54	-1,012.70	9,223.43	9,162.96	60.47	152.530		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT OCOMA G25-23 GYRO - OWB - GYRO												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
15,500.00	6,840.00	6,810.00	6,808.77	256.51	23.68	90.18	-731.54	-1,012.70	9,322.97	9,262.43	60.54	153.985	
15,600.00	6,840.00	6,809.95	6,808.72	259.19	23.68	90.18	-731.54	-1,012.70	9,422.52	9,361.90	60.62	155.436	
15,700.00	6,840.00	6,809.91	6,808.68	261.87	23.68	90.17	-731.54	-1,012.70	9,522.08	9,461.39	60.70	156.883	
15,800.00	6,840.00	6,809.86	6,808.63	264.55	23.68	90.17	-731.54	-1,012.70	9,621.65	9,560.88	60.77	158.326	
15,900.00	6,840.00	6,809.81	6,808.58	267.23	23.68	90.17	-731.54	-1,012.70	9,721.23	9,660.38	60.85	159.765	
16,000.00	6,840.00	6,809.77	6,808.54	269.91	23.68	90.16	-731.54	-1,012.70	9,820.82	9,759.89	60.92	161.199	
16,100.00	6,840.00	6,809.72	6,808.49	272.59	23.68	90.16	-731.54	-1,012.70	9,920.41	9,859.41	61.00	162.629	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT OCOMA G25-9 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-124.56	-128.98	-187.22	228.40					
100.00	100.00	76.59	76.59	0.13	0.08	-124.59	-129.19	-187.36	227.58	227.37	0.22	1,051.717		
200.00	200.00	176.24	176.24	0.49	0.21	-124.65	-129.84	-187.85	228.36	227.66	0.70	326.218		
300.00	300.00	276.85	276.85	0.85	0.30	-124.70	-130.38	-188.28	229.02	227.87	1.15	198.778		
400.00	399.98	376.58	376.57	1.20	0.37	3.31	-130.90	-188.54	227.79	226.22	1.57	145.170		
500.00	499.84	476.50	476.49	1.55	0.44	3.34	-131.41	-188.96	223.20	221.22	1.98	112.789		
600.00	599.45	576.23	576.22	1.91	0.49	3.46	-131.82	-189.38	215.08	212.69	2.39	89.940		
700.00	698.70	676.65	676.64	2.29	0.52	3.66	-132.10	-189.64	203.28	200.50	2.78	73.211		
800.00	797.47	774.91	774.90	2.70	0.54	3.93	-132.28	-189.57	187.72	184.56	3.16	59.447		
900.00	895.62	873.48	873.47	3.14	0.55	4.38	-132.52	-189.77	168.98	165.44	3.54	47.732		
1,000.00	993.06	970.77	970.76	3.62	0.56	5.11	-132.49	-189.86	146.63	142.70	3.93	37.325		
1,100.00	1,089.64	1,067.27	1,067.25	4.14	0.60	6.24	-132.69	-190.07	121.15	116.80	4.34	27.887		
1,200.00	1,185.27	1,162.92	1,162.90	4.70	0.64	8.23	-132.94	-190.31	92.45	87.68	4.77	19.371		
1,300.00	1,279.82	1,257.65	1,257.64	5.31	0.68	12.82	-133.09	-190.65	60.73	55.52	5.21	11.647		
1,400.00	1,373.17	1,351.13	1,351.12	5.98	0.71	29.44	-133.44	-190.72	26.90	21.06	5.84	4.608		
1,462.61	1,430.98	1,409.00	1,408.98	6.43	0.73	90.00	-133.60	-190.84	12.42	5.34	7.08	1.754	CC, ES, SF	
1,500.00	1,465.22	1,443.26	1,443.24	6.70	0.74	137.59	-133.63	-190.96	19.45	12.83	6.61	2.940		
1,600.00	1,556.72	1,534.78	1,534.77	7.45	0.76	165.62	-133.46	-191.44	56.50	49.97	6.53	8.659		
1,700.00	1,648.21	1,626.15	1,626.14	8.21	0.76	171.52	-133.40	-191.51	96.22	89.37	6.86	14.034		
1,800.00	1,739.71	1,717.56	1,717.55	8.99	0.76	174.00	-133.29	-191.46	136.44	129.20	7.24	18.851		
1,900.00	1,831.20	1,809.52	1,809.50	9.77	0.77	175.22	-132.99	-191.76	176.62	168.98	7.64	23.109		
2,000.00	1,922.69	1,900.78	1,900.76	10.56	0.80	175.95	-132.63	-192.19	216.81	208.75	8.07	26.881		
2,100.00	2,014.19	1,990.73	1,990.71	11.35	0.82	176.46	-132.12	-192.30	257.35	248.88	8.47	30.384		
2,200.00	2,105.68	2,081.14	2,081.12	12.14	0.83	176.88	-131.48	-191.99	298.32	289.44	8.88	33.599		
2,300.00	2,197.18	2,172.96	2,172.93	12.94	0.85	177.23	-130.91	-191.50	339.37	330.07	9.30	36.493		
2,400.00	2,288.67	2,263.94	2,263.91	13.74	0.86	177.50	-130.41	-191.16	380.28	370.56	9.72	39.132		
2,500.00	2,380.17	2,356.19	2,356.15	14.54	0.87	177.75	-130.03	-190.64	421.24	411.10	10.14	41.525		
2,600.00	2,471.66	2,447.40	2,447.36	15.35	0.89	177.98	-130.02	-190.23	461.90	451.33	10.57	43.711		
2,700.00	2,563.16	2,538.27	2,538.24	16.15	0.90	178.18	-129.86	-189.56	502.85	491.86	10.99	45.750		
2,800.00	2,654.65	2,631.62	2,631.58	16.96	0.92	178.34	-129.85	-189.18	543.49	532.07	11.43	47.565		
2,900.00	2,746.15	2,722.77	2,722.73	17.76	0.92	178.44	-129.64	-189.12	584.01	572.17	11.85	49.304		
3,000.00	2,837.64	2,813.06	2,813.02	18.57	0.94	178.53	-129.29	-188.98	624.70	612.43	12.27	50.923		
3,100.00	2,929.14	2,907.01	2,906.97	19.38	0.95	178.64	-129.31	-188.68	665.25	652.55	12.70	52.375		
3,200.00	3,020.63	2,998.46	2,998.42	20.19	0.95	178.71	-129.26	-188.68	705.64	692.52	13.12	53.800		
3,300.00	3,112.13	3,096.04	3,095.99	21.00	0.97	178.74	-129.06	-189.31	745.65	732.06	13.58	54.905		
3,400.00	3,203.62	3,184.25	3,184.21	21.81	0.99	178.75	-128.86	-190.14	785.46	771.46	14.00	56.105		
3,500.00	3,295.12	3,277.57	3,277.52	22.63	1.01	178.74	-128.35	-191.00	825.47	811.03	14.45	57.138		
3,600.00	3,386.61	3,370.94	3,370.88	23.44	1.03	178.72	-127.87	-192.17	865.23	850.33	14.90	58.087		
3,700.00	3,478.10	3,461.67	3,461.60	24.25	1.06	178.69	-127.37	-193.41	904.93	889.60	15.33	59.029		
3,800.00	3,569.60	3,550.68	3,550.60	25.06	1.08	178.67	-126.69	-194.51	944.84	929.09	15.76	59.967		
3,900.00	3,661.09	3,639.03	3,638.95	25.88	1.10	178.65	-125.90	-195.33	985.05	968.87	16.18	60.893		
4,000.00	3,752.59	3,728.02	3,727.93	26.69	1.12	178.67	-125.36	-195.58	1,025.55	1,008.95	16.60	61.782		
4,100.00	3,844.08	3,820.70	3,820.61	27.50	1.15	178.67	-124.63	-195.86	1,066.14	1,049.10	17.04	62.562		
4,200.00	3,935.58	3,918.23	3,918.13	28.32	1.17	178.66	-123.88	-196.74	1,106.30	1,088.79	17.51	63.190		
4,300.00	4,027.07	4,007.66	4,007.55	29.13	1.19	178.64	-123.17	-197.68	1,146.36	1,128.42	17.94	63.915		
4,400.00	4,118.57	4,096.20	4,096.09	29.95	1.22	178.65	-122.73	-198.14	1,186.63	1,168.27	18.36	64.639		
4,500.00	4,210.06	4,185.49	4,185.38	30.76	1.24	178.67	-122.22	-198.40	1,227.10	1,208.31	18.78	65.327		
4,600.00	4,301.56	4,276.01	4,275.88	31.58	1.27	178.64	-121.03	-199.07	1,267.68	1,248.47	19.22	65.969		
4,700.00	4,393.05	4,369.36	4,369.21	32.39	1.29	178.59	-119.29	-199.94	1,308.51	1,288.89	19.61	66.712		
4,800.00	4,484.55	4,447.74	4,447.55	33.21	1.31	178.51	-116.55	-200.85	1,349.92	1,329.88	20.04	67.372		
4,900.00	4,576.04	4,535.50	4,535.26	34.02	1.34	178.43	-113.88	-201.86	1,391.22	1,370.77	20.46	68.009		
5,000.00	4,667.54	4,612.76	4,612.46	34.84	1.36	178.35	-111.02	-202.36	1,433.25	1,412.43	20.83	68.822		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT OCOMA G25-9 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,759.03	4,692.80	4,692.45	35.65	1.37	178.30	-108.03	-202.08	1,476.02	1,454.81	21.21	69.599		
5,200.00	4,850.53	4,801.86	4,801.46	36.47	1.40	178.28	-104.96	-201.10	1,518.63	1,496.90	21.73	69.886		
5,300.00	4,942.02	4,918.32	4,917.90	37.28	1.42	178.29	-103.33	-201.12	1,559.76	1,537.47	22.28	69.992		
5,400.00	5,033.51	5,016.62	5,016.19	38.10	1.45	178.28	-102.37	-202.08	1,599.98	1,577.23	22.75	70.315		
5,500.00	5,125.01	5,106.10	5,105.67	38.92	1.48	178.28	-101.70	-202.90	1,640.11	1,616.93	23.18	70.745		
5,600.00	5,216.50	5,195.60	5,195.17	39.73	1.50	178.28	-100.94	-203.65	1,680.36	1,656.75	23.61	71.165		
5,700.00	5,308.00	5,295.50	5,295.06	40.55	1.53	178.28	-100.13	-204.67	1,720.46	1,696.37	24.09	71.421		
5,800.00	5,399.49	5,394.41	5,393.96	41.36	1.55	178.31	-100.27	-205.50	1,760.13	1,735.58	24.56	71.679		
5,900.00	5,490.99	5,495.20	5,494.74	42.18	1.56	178.37	-101.46	-206.05	1,799.39	1,774.35	25.04	71.869		
6,000.00	5,582.48	5,581.96	5,581.49	43.00	1.56	178.45	-103.17	-206.11	1,838.54	1,813.08	25.45	72.233		
6,100.00	5,673.98	5,674.85	5,674.34	43.81	1.56	178.55	-105.54	-205.52	1,877.85	1,851.95	25.90	72.511		
6,200.00	5,765.47	5,768.83	5,768.29	44.63	1.57	178.66	-108.00	-205.02	1,917.05	1,890.70	26.35	72.760		
6,300.00	5,856.97	5,858.82	5,858.25	45.45	1.57	178.75	-110.29	-204.63	1,956.23	1,929.45	26.78	73.049		
6,400.00	5,948.46	5,959.41	5,958.82	46.26	1.58	178.81	-111.91	-204.96	1,995.42	1,968.16	27.26	73.197		
6,500.00	6,039.96	6,057.02	6,056.41	47.08	1.59	178.86	-113.61	-205.94	2,034.04	2,006.31	27.73	73.352		
6,600.00	6,131.45	6,143.59	6,142.96	47.90	1.60	178.91	-115.34	-206.53	2,072.75	2,044.60	28.15	73.634		
6,700.00	6,222.95	6,229.30	6,228.66	48.71	1.61	178.95	-116.86	-206.88	2,111.79	2,083.22	28.57	73.928		
6,800.00	6,314.44	6,318.68	6,318.03	49.53	1.62	178.99	-118.16	-207.27	2,150.99	2,121.99	29.00	74.175		
6,900.00	6,405.93	6,407.32	6,406.66	50.35	1.63	179.03	-119.21	-207.69	2,190.32	2,160.89	29.43	74.426		
7,000.00	6,497.01	6,493.34	6,492.68	51.18	1.65	172.84	-119.75	-208.26	2,230.71	2,200.86	29.85	74.728		
7,100.00	6,582.62	6,577.82	6,577.16	52.20	1.66	160.42	-120.10	-208.79	2,280.38	2,250.08	30.30	75.255		
7,200.00	6,659.25	6,647.72	6,647.06	53.42	1.67	150.34	-120.59	-208.95	2,340.27	2,309.56	30.71	76.201		
7,300.00	6,724.59	6,707.71	6,707.05	54.84	1.68	140.38	-120.71	-209.04	2,408.95	2,377.86	31.09	77.493		
7,400.00	6,776.64	6,777.77	6,777.10	56.40	1.70	129.76	-120.98	-209.32	2,484.24	2,452.73	31.51	78.846		
7,500.00	6,813.82	6,816.18	6,815.51	58.08	1.70	116.96	-121.28	-209.59	2,564.23	2,532.45	31.78	80.690		
7,600.00	6,835.01	6,832.60	6,831.94	59.82	1.70	102.21	-121.37	-209.69	2,647.12	2,615.17	31.95	82.858		
7,700.00	6,840.00	6,836.73	6,836.06	61.57	1.70	90.69	-121.39	-209.71	2,730.62	2,698.55	32.07	85.154		
7,800.00	6,840.00	6,837.09	6,836.42	63.35	1.70	90.70	-121.39	-209.71	2,814.67	2,782.49	32.19	87.451		
7,900.00	6,840.00	6,837.46	6,836.79	65.20	1.70	90.72	-121.40	-209.71	2,899.75	2,867.43	32.32	89.732		
8,000.00	6,840.00	6,837.81	6,837.14	67.10	1.70	90.73	-121.40	-209.71	2,985.74	2,953.29	32.45	92.000		
8,100.00	6,840.00	6,838.17	6,837.50	69.05	1.70	90.74	-121.40	-209.72	3,072.59	3,039.99	32.60	94.256		
8,200.00	6,840.00	6,838.52	6,837.85	71.06	1.70	90.76	-121.40	-209.72	3,160.21	3,127.46	32.75	96.503		
8,300.00	6,840.00	6,838.86	6,838.19	73.11	1.70	90.77	-121.40	-209.72	3,248.54	3,215.65	32.90	98.742		
8,400.00	6,840.00	6,839.21	6,838.54	75.21	1.70	90.78	-121.40	-209.72	3,337.54	3,304.49	33.05	100.975		
8,500.00	6,840.00	6,839.55	6,838.88	77.34	1.70	90.80	-121.40	-209.72	3,427.14	3,393.93	33.21	103.203		
8,600.00	6,840.00	6,839.88	6,839.21	79.51	1.70	90.81	-121.41	-209.72	3,517.30	3,483.94	33.36	105.426		
8,700.00	6,840.00	6,840.21	6,839.54	81.72	1.70	90.82	-121.41	-209.73	3,607.99	3,574.47	33.52	107.646		
8,800.00	6,840.00	6,840.54	6,839.87	83.95	1.70	90.83	-121.41	-209.73	3,699.15	3,665.48	33.67	109.863		
8,900.00	6,840.00	6,840.87	6,840.20	86.22	1.70	90.85	-121.41	-209.73	3,790.75	3,756.93	33.82	112.078		
9,000.00	6,840.00	6,841.19	6,840.52	88.51	1.70	90.86	-121.41	-209.73	3,882.77	3,848.80	33.97	114.290		
9,100.00	6,840.00	6,841.51	6,840.84	90.83	1.70	90.87	-121.41	-209.73	3,975.18	3,941.06	34.12	116.500		
9,200.00	6,840.00	6,841.82	6,841.15	93.16	1.70	90.88	-121.41	-209.73	4,067.95	4,033.68	34.27	118.709		
9,300.00	6,840.00	6,842.13	6,841.46	95.52	1.70	90.90	-121.41	-209.73	4,161.05	4,126.64	34.41	120.916		
9,400.00	6,840.00	6,842.44	6,841.77	97.90	1.70	90.91	-121.42	-209.74	4,254.46	4,219.91	34.56	123.121		
9,500.00	6,840.00	6,842.75	6,842.08	100.30	1.70	90.92	-121.42	-209.74	4,348.17	4,313.47	34.70	125.325		
9,600.00	6,840.00	6,843.05	6,842.38	102.72	1.70	90.93	-121.42	-209.74	4,442.15	4,407.32	34.83	127.527		
9,700.00	6,840.00	6,843.35	6,842.68	105.15	1.70	90.94	-121.42	-209.74	4,536.39	4,501.42	34.97	129.727		
9,800.00	6,840.00	6,843.65	6,842.98	107.59	1.70	90.95	-121.42	-209.74	4,630.87	4,595.77	35.10	131.925		
9,900.00	6,840.00	6,843.94	6,843.27	110.05	1.70	90.96	-121.42	-209.74	4,725.58	4,690.34	35.23	134.122		
10,000.00	6,840.00	6,844.23	6,843.56	112.52	1.70	90.98	-121.42	-209.74	4,820.50	4,785.13	35.36	136.316		
10,100.00	6,840.00	6,844.52	6,843.85	115.00	1.70	90.99	-121.42	-209.75	4,915.62	4,880.13	35.49	138.509		
10,200.00	6,840.00	6,844.80	6,844.13	117.50	1.70	91.00	-121.42	-209.75	5,010.93	4,975.32	35.61	140.699		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT OCOMA G25-9 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	6,845.09	6,844.42	120.00	1.70	91.01	-121.43	-209.75	5,106.42	5,070.69	35.74	142.886		
10,400.00	6,840.00	6,845.37	6,844.70	122.51	1.70	91.02	-121.43	-209.75	5,202.09	5,166.23	35.86	145.071		
10,500.00	6,840.00	6,845.64	6,844.97	125.04	1.70	91.03	-121.43	-209.75	5,297.91	5,261.93	35.98	147.253		
10,600.00	6,840.00	6,845.92	6,845.25	127.57	1.70	91.04	-121.43	-209.75	5,393.88	5,357.78	36.10	149.433		
10,700.00	6,840.00	6,846.19	6,845.52	130.11	1.70	91.05	-121.43	-209.75	5,490.00	5,453.78	36.21	151.609		
10,800.00	6,840.00	6,846.46	6,845.79	132.66	1.70	91.06	-121.43	-209.75	5,586.25	5,549.92	36.33	153.782		
10,900.00	6,840.00	6,846.72	6,846.06	135.21	1.70	91.07	-121.43	-209.76	5,682.63	5,646.19	36.44	155.951		
11,000.00	6,840.00	6,846.99	6,846.32	137.77	1.70	91.08	-121.43	-209.76	5,779.14	5,742.59	36.55	158.118		
11,100.00	6,840.00	6,847.25	6,846.58	140.34	1.70	91.09	-121.43	-209.76	5,875.76	5,839.10	36.66	160.280		
11,200.00	6,840.00	6,847.51	6,846.84	142.91	1.70	91.10	-121.43	-209.76	5,972.49	5,935.73	36.77	162.439		
11,300.00	6,840.00	6,847.77	6,847.10	145.49	1.70	91.11	-121.43	-209.76	6,069.33	6,032.46	36.87	164.593		
11,400.00	6,840.00	6,848.02	6,847.35	148.07	1.70	91.12	-121.44	-209.76	6,166.27	6,129.29	36.98	166.744		
11,500.00	6,840.00	6,848.27	6,847.60	150.66	1.70	91.13	-121.44	-209.76	6,263.31	6,226.22	37.09	168.890		
11,600.00	6,840.00	6,848.52	6,847.85	153.25	1.70	91.14	-121.44	-209.76	6,360.44	6,323.25	37.19	171.032		
11,700.00	6,840.00	6,848.77	6,848.10	155.85	1.70	91.15	-121.44	-209.76	6,457.65	6,420.36	37.29	173.169		
11,800.00	6,840.00	6,849.02	6,848.35	158.45	1.70	91.16	-121.44	-209.76	6,554.95	6,517.56	37.39	175.302		
11,900.00	6,840.00	6,849.26	6,848.59	161.06	1.70	91.17	-121.44	-209.77	6,652.33	6,614.84	37.49	177.430		
12,000.00	6,840.00	6,849.50	6,848.83	163.67	1.70	91.18	-121.44	-209.77	6,749.79	6,712.20	37.59	179.553		
12,100.00	6,840.00	6,849.74	6,849.07	166.28	1.70	91.19	-121.44	-209.77	6,847.32	6,809.63	37.69	181.671		
12,200.00	6,840.00	6,849.97	6,849.31	168.90	1.70	91.19	-121.44	-209.77	6,944.92	6,907.13	37.79	183.784		
12,300.00	6,840.00	6,850.21	6,849.54	171.52	1.70	91.20	-121.44	-209.77	7,042.58	7,004.70	37.89	185.892		
12,400.00	6,840.00	6,850.44	6,849.77	174.15	1.70	91.21	-121.44	-209.77	7,140.32	7,102.33	37.98	187.994		
12,500.00	6,840.00	6,850.67	6,850.00	176.77	1.70	91.22	-121.44	-209.77	7,238.11	7,200.03	38.08	190.091		
12,600.00	6,840.00	6,850.90	6,850.23	179.40	1.70	91.23	-121.44	-209.77	7,335.96	7,297.79	38.17	192.182		
12,700.00	6,840.00	6,851.13	6,850.46	182.04	1.70	91.24	-121.45	-209.77	7,433.87	7,395.61	38.27	194.268		
12,800.00	6,840.00	6,851.35	6,850.68	184.67	1.70	91.25	-121.45	-209.77	7,531.84	7,493.48	38.36	196.348		
12,900.00	6,840.00	6,851.57	6,850.90	187.31	1.70	91.26	-121.45	-209.77	7,629.86	7,591.40	38.45	198.422		
13,000.00	6,840.00	6,851.79	6,851.13	189.95	1.70	91.26	-121.45	-209.78	7,727.93	7,689.38	38.55	200.490		
13,100.00	6,840.00	6,852.01	6,851.34	192.59	1.70	91.27	-121.45	-209.78	7,826.04	7,787.41	38.64	202.552		
13,200.00	6,840.00	6,852.23	6,851.56	195.24	1.70	91.28	-121.45	-209.78	7,924.21	7,885.48	38.73	204.608		
13,300.00	6,840.00	6,852.45	6,851.78	197.88	1.70	91.29	-121.45	-209.78	8,022.42	7,983.60	38.82	206.658		
13,400.00	6,840.00	6,852.66	6,851.99	200.53	1.70	91.30	-121.45	-209.78	8,120.67	8,081.76	38.91	208.702		
13,500.00	6,840.00	6,852.87	6,852.20	203.18	1.70	91.30	-121.45	-209.78	8,218.97	8,179.97	39.00	210.739		
13,600.00	6,840.00	6,853.08	6,852.41	205.83	1.70	91.31	-121.45	-209.78	8,317.30	8,278.21	39.09	212.770		
13,700.00	6,840.00	6,853.29	6,852.62	208.49	1.70	91.32	-121.45	-209.78	8,415.68	8,376.50	39.18	214.794		
13,800.00	6,840.00	6,853.49	6,852.82	211.14	1.70	91.33	-121.45	-209.78	8,514.09	8,474.82	39.27	216.812		
13,900.00	6,840.00	6,853.70	6,853.03	213.80	1.70	91.34	-121.45	-209.78	8,612.54	8,573.18	39.36	218.823		
14,000.00	6,840.00	6,853.90	6,853.23	216.46	1.70	91.34	-121.45	-209.78	8,711.03	8,671.58	39.45	220.827		
14,100.00	6,840.00	6,854.10	6,853.43	219.12	1.70	91.35	-121.45	-209.78	8,809.55	8,770.01	39.54	222.825		
14,200.00	6,840.00	6,854.30	6,853.63	221.78	1.70	91.36	-121.45	-209.78	8,908.10	8,868.48	39.62	224.816		
14,300.00	6,840.00	6,854.50	6,853.83	224.45	1.70	91.37	-121.45	-209.79	9,006.68	8,966.97	39.71	226.800		
14,400.00	6,840.00	6,854.70	6,854.03	227.11	1.70	91.37	-121.45	-209.79	9,105.30	9,065.50	39.80	228.777		
14,500.00	6,840.00	6,854.89	6,854.22	229.78	1.70	91.38	-121.46	-209.79	9,203.94	9,164.06	39.89	230.747		
14,600.00	6,840.00	6,855.08	6,854.41	232.45	1.70	91.39	-121.46	-209.79	9,302.62	9,262.64	39.98	232.710		
14,700.00	6,840.00	6,855.28	6,854.61	235.12	1.70	91.40	-121.46	-209.79	9,401.32	9,361.26	40.06	234.666		
14,800.00	6,840.00	6,855.47	6,854.80	237.79	1.70	91.40	-121.46	-209.79	9,500.05	9,459.90	40.15	236.615		
14,900.00	6,840.00	6,855.65	6,854.98	240.46	1.70	91.41	-121.46	-209.79	9,598.80	9,558.57	40.24	238.557		
15,000.00	6,840.00	6,855.84	6,855.17	243.13	1.70	91.42	-121.46	-209.79	9,697.59	9,657.26	40.32	240.491		
15,100.00	6,840.00	6,856.03	6,855.36	245.80	1.70	91.43	-121.46	-209.79	9,796.39	9,755.98	40.41	242.418		
15,200.00	6,840.00	6,856.21	6,855.54	248.48	1.70	91.43	-121.46	-209.79	9,895.22	9,854.72	40.50	244.338		
15,300.00	6,840.00	6,856.39	6,855.72	251.15	1.70	91.44	-121.46	-209.79	9,994.07	9,953.49	40.58	246.251		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT PLUSS G 25-8 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-12.39	1,182.52	-259.74	1,211.22					
100.00	100.00	65.48	65.48	0.13	0.07	-12.38	1,182.55	-259.59	1,210.70	1,210.50	0.20	5,960.955		
155.55	155.55	120.56	120.55	0.33	0.11	-12.36	1,182.60	-259.24	1,210.68	1,210.23	0.44	2,730.827 CC		
200.00	200.00	163.48	163.48	0.49	0.12	-12.36	1,182.65	-259.11	1,210.71	1,210.09	0.61	1,974.806		
300.00	300.00	263.41	263.41	0.85	0.20	-12.37	1,182.80	-259.30	1,210.89	1,209.84	1.05	1,151.413 ES		
400.00	399.98	362.54	362.54	1.20	0.29	115.73	1,182.86	-259.57	1,211.77	1,210.28	1.49	814.850		
500.00	499.84	461.52	461.52	1.55	0.35	115.90	1,183.07	-259.83	1,214.31	1,212.42	1.89	642.495		
600.00	599.45	564.67	564.67	1.91	0.37	116.21	1,183.26	-259.84	1,218.33	1,216.06	2.27	536.322		
700.00	698.70	663.38	663.38	2.29	0.40	116.60	1,183.13	-260.08	1,223.71	1,221.03	2.68	456.594		
800.00	797.47	760.32	760.31	2.70	0.45	117.09	1,183.19	-260.43	1,230.97	1,227.85	3.12	394.049		
900.00	895.62	859.82	859.81	3.14	0.49	117.71	1,183.30	-260.69	1,240.04	1,236.45	3.59	345.712		
1,000.00	993.06	955.67	955.66	3.62	0.53	118.36	1,183.26	-261.28	1,250.89	1,246.81	4.07	307.097		
1,100.00	1,089.64	1,051.78	1,051.77	4.14	0.58	119.11	1,183.45	-261.85	1,263.96	1,259.37	4.59	275.370		
1,200.00	1,185.27	1,148.22	1,148.21	4.70	0.63	119.94	1,183.51	-262.47	1,279.01	1,273.87	5.14	249.029		
1,300.00	1,279.82	1,240.81	1,240.79	5.31	0.67	120.78	1,183.65	-263.12	1,296.39	1,290.68	5.71	227.086		
1,400.00	1,373.17	1,334.30	1,334.28	5.98	0.71	121.69	1,183.95	-263.71	1,316.29	1,309.98	6.31	208.630		
1,500.00	1,465.22	1,430.07	1,430.05	6.70	0.75	122.72	1,184.02	-264.35	1,338.47	1,331.53	6.94	192.952		
1,600.00	1,556.72	1,521.91	1,521.89	7.45	0.79	124.06	1,183.99	-264.80	1,362.04	1,354.48	7.57	179.987		
1,700.00	1,648.21	1,611.88	1,611.86	8.21	0.82	125.33	1,184.02	-265.09	1,386.44	1,378.25	8.19	169.235		
1,800.00	1,739.71	1,702.49	1,702.47	8.99	0.86	126.56	1,184.15	-265.58	1,411.64	1,402.83	8.81	160.179		
1,900.00	1,831.20	1,794.33	1,794.30	9.77	0.90	127.77	1,184.30	-266.15	1,437.54	1,428.11	9.43	152.509		
2,000.00	1,922.69	1,878.28	1,878.25	10.56	0.93	128.83	1,184.64	-266.76	1,464.29	1,454.27	10.02	146.081		
2,100.00	2,014.19	1,963.71	1,963.68	11.35	0.97	129.87	1,185.45	-267.78	1,492.10	1,481.48	10.61	140.567		
2,200.00	2,105.68	2,044.32	2,044.27	12.14	1.00	130.81	1,186.60	-268.89	1,520.88	1,509.69	11.19	135.898		
2,300.00	2,197.18	2,124.77	2,124.69	12.94	1.02	131.72	1,188.46	-269.72	1,551.00	1,539.24	11.76	131.925		
2,400.00	2,288.67	2,215.76	2,215.65	13.74	1.05	132.73	1,190.74	-270.47	1,581.81	1,569.48	12.32	128.343		
2,500.00	2,380.17	2,302.32	2,302.17	14.54	1.08	133.65	1,193.09	-271.34	1,613.25	1,600.37	12.88	125.258		
2,600.00	2,471.66	2,395.20	2,395.01	15.35	1.11	134.61	1,195.66	-272.16	1,645.19	1,631.76	13.43	122.472		
2,700.00	2,563.16	2,500.30	2,500.08	16.15	1.15	135.66	1,198.04	-272.83	1,677.13	1,663.14	13.99	119.839		
2,800.00	2,654.65	2,601.60	2,601.38	16.96	1.18	136.64	1,199.57	-273.42	1,708.80	1,694.26	14.54	117.494		
2,900.00	2,746.15	2,701.21	2,700.97	17.76	1.21	137.58	1,200.51	-273.89	1,740.37	1,725.29	15.08	115.396		
3,000.00	2,837.64	2,790.14	2,789.91	18.57	1.24	138.39	1,201.16	-274.14	1,772.16	1,756.56	15.60	113.622		
3,100.00	2,929.14	2,886.12	2,885.88	19.38	1.27	139.24	1,201.80	-274.31	1,804.26	1,788.15	16.11	111.963		
3,200.00	3,020.63	2,972.26	2,972.02	20.19	1.30	139.98	1,202.36	-274.59	1,836.66	1,820.05	16.61	110.558		
3,300.00	3,112.13	3,065.87	3,065.63	21.00	1.33	140.75	1,203.19	-274.92	1,869.56	1,852.45	17.12	109.231		
3,400.00	3,203.62	3,156.74	3,156.50	21.81	1.36	141.47	1,203.84	-275.37	1,902.59	1,884.98	17.61	108.047		
3,500.00	3,295.12	3,244.19	3,243.94	22.63	1.39	142.14	1,204.65	-275.83	1,936.07	1,917.98	18.09	107.015		
3,600.00	3,386.61	3,336.50	3,336.24	23.44	1.43	142.83	1,205.67	-276.40	1,969.94	1,951.36	18.58	106.038		
3,700.00	3,478.10	3,431.25	3,430.98	24.25	1.46	143.50	1,206.50	-277.10	2,003.83	1,984.76	19.06	105.117		
3,800.00	3,569.60	3,519.22	3,518.94	25.06	1.49	144.11	1,207.38	-277.69	2,038.07	2,018.54	19.53	104.346		
3,900.00	3,661.09	3,616.66	3,616.38	25.88	1.52	144.77	1,208.17	-278.16	2,072.44	2,052.43	20.01	103.551		
4,000.00	3,752.59	3,712.94	3,712.66	26.69	1.56	145.41	1,208.61	-278.41	2,106.78	2,086.29	20.49	102.830		
4,100.00	3,844.08	3,805.21	3,804.93	27.50	1.59	146.00	1,208.95	-278.77	2,141.22	2,120.27	20.95	102.206		
4,200.00	3,935.58	3,895.09	3,894.80	28.32	1.62	146.55	1,209.30	-279.10	2,175.89	2,154.49	21.40	101.658		
4,300.00	4,027.07	3,990.11	3,989.83	29.13	1.65	147.13	1,209.59	-279.35	2,210.71	2,188.85	21.86	101.114		
4,400.00	4,118.57	4,080.82	4,080.54	29.95	1.68	147.66	1,209.84	-279.72	2,245.65	2,223.34	22.31	100.649		
4,500.00	4,210.06	4,172.39	4,172.10	30.76	1.71	148.17	1,210.19	-280.24	2,280.79	2,258.03	22.76	100.213		
4,600.00	4,301.56	4,264.40	4,264.11	31.58	1.75	148.67	1,210.57	-280.88	2,316.08	2,292.87	23.21	99.806		
4,700.00	4,393.05	4,354.31	4,354.01	32.39	1.78	149.14	1,211.05	-281.73	2,351.53	2,327.88	23.65	99.443		
4,800.00	4,484.55	4,448.38	4,448.08	33.21	1.81	149.61	1,211.60	-282.59	2,387.18	2,363.09	24.09	99.077		
4,900.00	4,576.04	4,542.28	4,541.97	34.02	1.84	150.07	1,212.03	-283.67	2,422.77	2,398.23	24.54	98.728		
5,000.00	4,667.54	4,628.88	4,628.56	34.84	1.87	150.48	1,212.52	-284.64	2,458.59	2,433.62	24.97	98.469		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT PLUSS G 25-8 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,759.03	4,716.54	4,716.22	35.65	1.90	150.88	1,213.18	-285.49	2,494.75	2,469.35	25.40	98.228		
5,200.00	4,850.53	4,812.15	4,811.82	36.47	1.93	151.32	1,213.76	-286.29	2,530.95	2,505.11	25.84	97.938		
5,300.00	4,942.02	4,894.61	4,894.28	37.28	1.96	151.68	1,214.30	-286.82	2,567.40	2,541.15	26.26	97.785		
5,400.00	5,033.51	4,993.99	4,993.66	38.10	1.99	152.12	1,214.96	-287.34	2,604.01	2,577.30	26.71	97.505		
5,500.00	5,125.01	5,075.94	5,075.61	38.92	2.02	152.47	1,215.44	-287.68	2,640.71	2,613.59	27.11	97.390		
5,600.00	5,216.50	5,161.64	5,161.30	39.73	2.04	152.83	1,216.11	-287.73	2,677.83	2,650.30	27.53	97.266		
5,700.00	5,308.00	5,253.81	5,253.47	40.55	2.05	153.21	1,216.75	-287.41	2,715.14	2,687.18	27.96	97.102		
5,800.00	5,399.49	5,342.46	5,342.11	41.36	2.06	153.58	1,217.24	-287.01	2,752.50	2,724.11	28.38	96.976		
5,900.00	5,490.99	5,422.55	5,422.20	42.18	2.07	153.90	1,217.76	-286.30	2,790.21	2,761.43	28.78	96.949		
6,000.00	5,582.48	5,498.25	5,497.89	43.00	2.08	154.21	1,218.60	-285.49	2,828.48	2,799.31	29.17	96.980		
6,100.00	5,673.98	5,560.17	5,559.80	43.81	2.09	154.45	1,219.69	-284.57	2,867.54	2,838.02	29.51	97.158		
6,200.00	5,765.47	5,625.17	5,624.76	44.63	2.10	154.71	1,221.29	-283.08	2,907.59	2,877.72	29.87	97.352		
6,300.00	5,856.97	5,697.05	5,696.57	45.45	2.10	154.99	1,223.20	-280.68	2,948.36	2,918.12	30.23	97.526		
6,400.00	5,948.46	5,852.12	5,851.53	46.26	2.11	155.61	1,225.79	-275.50	2,988.42	2,957.61	30.81	97.007		
6,500.00	6,039.96	5,970.88	5,970.27	47.08	2.12	156.05	1,226.71	-273.43	3,027.18	2,995.88	31.30	96.730		
6,600.00	6,131.45	6,086.43	6,085.82	47.90	2.14	156.43	1,227.42	-272.90	3,065.33	3,033.55	31.78	96.454		
6,700.00	6,222.95	6,188.32	6,187.71	48.71	2.17	156.75	1,227.75	-273.16	3,102.99	3,070.76	32.23	96.282		
6,800.00	6,314.44	6,301.51	6,300.89	49.53	2.19	157.09	1,227.72	-273.82	3,140.30	3,107.60	32.70	96.044		
6,900.00	6,405.93	6,402.75	6,402.12	50.35	2.21	157.39	1,227.38	-274.89	3,177.20	3,144.06	33.13	95.887		
7,000.00	6,497.01	6,484.43	6,483.80	51.18	2.23	151.16	1,227.24	-275.94	3,214.69	3,181.16	33.53	95.870		
7,100.00	6,582.62	6,565.60	6,564.96	52.20	2.25	138.54	1,227.27	-276.90	3,257.95	3,223.96	33.99	95.852		
7,200.00	6,659.25	6,646.40	6,645.75	53.42	2.27	128.94	1,227.36	-277.88	3,307.23	3,272.72	34.51	95.830 SF		
7,300.00	6,724.59	6,715.60	6,714.95	54.84	2.28	120.51	1,227.31	-278.78	3,361.31	3,326.25	35.06	95.874		
7,400.00	6,776.64	6,759.56	6,758.91	56.40	2.29	112.25	1,227.27	-279.20	3,419.29	3,383.71	35.59	96.084		
7,500.00	6,813.82	6,790.72	6,790.06	58.08	2.30	104.07	1,227.24	-279.39	3,479.89	3,443.77	36.12	96.349		
7,600.00	6,835.01	6,810.66	6,810.01	59.82	2.31	96.08	1,227.22	-279.46	3,541.58	3,504.93	36.65	96.642		
7,700.00	6,840.00	6,816.21	6,815.56	61.57	2.31	90.21	1,227.22	-279.48	3,602.82	3,565.67	37.15	96.977		
7,800.00	6,840.00	6,816.57	6,815.92	63.35	2.31	90.22	1,227.22	-279.49	3,664.86	3,627.20	37.66	97.302		
7,900.00	6,840.00	6,816.92	6,816.27	65.20	2.31	90.23	1,227.22	-279.49	3,728.55	3,690.35	38.19	97.620		
8,000.00	6,840.00	6,817.28	6,816.63	67.10	2.31	90.23	1,227.22	-279.49	3,793.80	3,755.07	38.74	97.940		
8,100.00	6,840.00	6,817.63	6,816.98	69.05	2.31	90.24	1,227.21	-279.49	3,860.54	3,821.26	39.28	98.270		
8,200.00	6,840.00	6,817.99	6,817.34	71.06	2.31	90.25	1,227.21	-279.49	3,928.70	3,888.86	39.84	98.619		
8,300.00	6,840.00	6,818.34	6,817.69	73.11	2.31	90.26	1,227.21	-279.49	3,998.19	3,957.80	40.39	98.989		
8,400.00	6,840.00	6,818.69	6,818.04	75.21	2.31	90.26	1,227.21	-279.49	4,068.96	4,028.02	40.94	99.387		
8,500.00	6,840.00	6,819.05	6,818.40	77.34	2.31	90.27	1,227.21	-279.49	4,140.93	4,099.44	41.49	99.813		
8,600.00	6,840.00	6,819.40	6,818.75	79.51	2.31	90.28	1,227.21	-279.49	4,214.04	4,172.01	42.03	100.270		
8,700.00	6,840.00	6,819.75	6,819.10	81.72	2.31	90.28	1,227.21	-279.50	4,288.24	4,245.68	42.56	100.760		
8,800.00	6,840.00	6,820.10	6,819.45	83.95	2.31	90.29	1,227.21	-279.50	4,363.47	4,320.39	43.08	101.282		
8,900.00	6,840.00	6,820.46	6,819.80	86.22	2.31	90.30	1,227.21	-279.50	4,439.68	4,396.08	43.60	101.836		
9,000.00	6,840.00	6,820.81	6,820.15	88.51	2.31	90.30	1,227.21	-279.50	4,516.81	4,472.71	44.10	102.423		
9,100.00	6,840.00	6,821.16	6,820.51	90.83	2.31	90.31	1,227.21	-279.50	4,594.83	4,550.24	44.59	103.042		
9,200.00	6,840.00	6,821.51	6,820.86	93.16	2.31	90.32	1,227.21	-279.50	4,673.68	4,628.61	45.07	103.692		
9,300.00	6,840.00	6,821.86	6,821.21	95.52	2.31	90.33	1,227.21	-279.50	4,753.33	4,707.79	45.54	104.372		
9,400.00	6,840.00	6,822.21	6,821.56	97.90	2.31	90.33	1,227.21	-279.50	4,833.74	4,787.74	46.00	105.080		
9,500.00	6,840.00	6,822.56	6,821.90	100.30	2.31	90.34	1,227.21	-279.51	4,914.86	4,868.42	46.45	105.817		
9,600.00	6,840.00	6,822.91	6,822.25	102.72	2.31	90.35	1,227.21	-279.51	4,996.67	4,949.79	46.88	106.581		
9,700.00	6,840.00	6,823.25	6,822.60	105.15	2.31	90.35	1,227.21	-279.51	5,079.14	5,031.83	47.30	107.370		
9,800.00	6,840.00	6,823.60	6,822.95	107.59	2.31	90.36	1,227.21	-279.51	5,162.22	5,114.50	47.72	108.184		
9,900.00	6,840.00	6,823.95	6,823.30	110.05	2.31	90.37	1,227.21	-279.51	5,245.89	5,197.77	48.12	109.022		
10,000.00	6,840.00	6,824.30	6,823.64	112.52	2.31	90.37	1,227.21	-279.51	5,330.12	5,281.61	48.51	109.882		
10,100.00	6,840.00	6,824.64	6,823.99	115.00	2.31	90.38	1,227.21	-279.51	5,414.89	5,366.01	48.89	110.763		
10,200.00	6,840.00	6,824.99	6,824.34	117.50	2.31	90.39	1,227.21	-279.51	5,500.17	5,450.92	49.26	111.664		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT PLUSS G 25-8 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	6,825.33	6,824.68	120.00	2.31	90.40	1,227.21	-279.51	5,585.94	5,536.33	49.62	112.585		
10,400.00	6,840.00	6,825.68	6,825.03	122.51	2.31	90.40	1,227.21	-279.52	5,672.18	5,622.22	49.96	113.524		
10,500.00	6,840.00	6,826.03	6,825.37	125.04	2.31	90.41	1,227.21	-279.52	5,758.86	5,708.56	50.30	114.480		
10,600.00	6,840.00	6,826.37	6,825.72	127.57	2.31	90.42	1,227.20	-279.52	5,845.97	5,795.33	50.63	115.453		
10,700.00	6,840.00	6,826.71	6,826.06	130.11	2.31	90.42	1,227.20	-279.52	5,933.48	5,882.53	50.96	116.442		
10,800.00	6,840.00	6,827.06	6,826.41	132.66	2.31	90.43	1,227.20	-279.52	6,021.38	5,970.12	51.27	117.445		
10,900.00	6,840.00	6,827.40	6,826.75	135.21	2.31	90.44	1,227.20	-279.52	6,109.66	6,058.08	51.57	118.462		
11,000.00	6,840.00	6,827.75	6,827.09	137.77	2.31	90.44	1,227.20	-279.52	6,198.29	6,146.42	51.87	119.493		
11,100.00	6,840.00	6,828.09	6,827.44	140.34	2.31	90.45	1,227.20	-279.52	6,287.26	6,235.10	52.16	120.536		
11,200.00	6,840.00	6,828.43	6,827.78	142.91	2.31	90.46	1,227.20	-279.53	6,376.56	6,324.12	52.44	121.592		
11,300.00	6,840.00	6,828.77	6,828.12	145.49	2.31	90.46	1,227.20	-279.53	6,466.17	6,413.45	52.72	122.658		
11,400.00	6,840.00	6,829.11	6,828.46	148.07	2.31	90.47	1,227.20	-279.53	6,556.08	6,503.10	52.98	123.736		
11,500.00	6,840.00	6,829.46	6,828.80	150.66	2.31	90.48	1,227.20	-279.53	6,646.28	6,593.04	53.25	124.823		
11,600.00	6,840.00	6,829.80	6,829.14	153.25	2.31	90.49	1,227.20	-279.53	6,736.76	6,683.26	53.50	125.921		
11,700.00	6,840.00	6,830.14	6,829.48	155.85	2.31	90.49	1,227.20	-279.53	6,827.50	6,773.75	53.75	127.027		
11,800.00	6,840.00	6,830.48	6,829.83	158.45	2.31	90.50	1,227.20	-279.53	6,918.50	6,864.51	53.99	128.142		
11,900.00	6,840.00	6,830.82	6,830.16	161.06	2.31	90.51	1,227.20	-279.53	7,009.74	6,955.52	54.23	129.265		
12,000.00	6,840.00	6,831.16	6,830.50	163.67	2.31	90.51	1,227.20	-279.53	7,101.22	7,046.76	54.46	130.396		
12,100.00	6,840.00	6,831.50	6,830.84	166.28	2.31	90.52	1,227.20	-279.54	7,192.93	7,138.24	54.68	131.534		
12,200.00	6,840.00	6,831.83	6,831.18	168.90	2.31	90.53	1,227.20	-279.54	7,284.85	7,229.95	54.91	132.680		
12,300.00	6,840.00	6,832.17	6,831.52	171.52	2.31	90.53	1,227.20	-279.54	7,376.99	7,321.86	55.12	133.831		
12,400.00	6,840.00	6,832.51	6,831.86	174.15	2.31	90.54	1,227.20	-279.54	7,469.32	7,413.99	55.33	134.989		
12,500.00	6,840.00	6,832.85	6,832.20	176.77	2.31	90.55	1,227.20	-279.54	7,561.85	7,506.31	55.54	136.153		
12,600.00	6,840.00	6,833.19	6,832.53	179.40	2.31	90.55	1,227.20	-279.54	7,654.57	7,598.83	55.74	137.322		
12,700.00	6,840.00	6,833.52	6,832.87	182.04	2.31	90.56	1,227.20	-279.54	7,747.47	7,691.53	55.94	138.497		
12,800.00	6,840.00	6,833.86	6,833.21	184.67	2.31	90.57	1,227.20	-279.54	7,840.55	7,784.41	56.13	139.676		
12,900.00	6,840.00	6,834.19	6,833.54	187.31	2.31	90.57	1,227.19	-279.54	7,933.79	7,877.47	56.32	140.860		
13,000.00	6,840.00	6,834.53	6,833.88	189.95	2.31	90.58	1,227.19	-279.55	8,027.20	7,970.69	56.51	142.049		
13,100.00	6,840.00	6,834.87	6,834.21	192.59	2.31	90.59	1,227.19	-279.55	8,120.76	8,064.07	56.69	143.241		
13,200.00	6,840.00	6,835.20	6,834.55	195.24	2.31	90.59	1,227.19	-279.55	8,214.48	8,157.60	56.87	144.438		
13,300.00	6,840.00	6,835.53	6,834.88	197.88	2.31	90.60	1,227.19	-279.55	8,308.34	8,251.29	57.05	145.638		
13,400.00	6,840.00	6,835.87	6,835.22	200.53	2.31	90.61	1,227.19	-279.55	8,402.34	8,345.12	57.22	146.841		
13,500.00	6,840.00	6,836.20	6,835.55	203.18	2.31	90.61	1,227.19	-279.55	8,496.48	8,439.09	57.39	148.047		
13,600.00	6,840.00	6,836.54	6,835.88	205.83	2.31	90.62	1,227.19	-279.55	8,590.75	8,533.20	57.56	149.257		
13,700.00	6,840.00	6,836.87	6,836.22	208.49	2.31	90.63	1,227.19	-279.55	8,685.15	8,627.43	57.72	150.469		
13,800.00	6,840.00	6,837.20	6,836.55	211.14	2.31	90.63	1,227.19	-279.55	8,779.68	8,721.80	57.88	151.684		
13,900.00	6,840.00	6,837.53	6,836.88	213.80	2.31	90.64	1,227.19	-279.56	8,874.32	8,816.28	58.04	152.901		
14,000.00	6,840.00	6,837.87	6,837.21	216.46	2.31	90.65	1,227.19	-279.56	8,969.08	8,910.89	58.20	154.121		
14,100.00	6,840.00	6,838.20	6,837.55	219.12	2.31	90.65	1,227.19	-279.56	9,063.96	9,005.61	58.35	155.343		
14,200.00	6,840.00	6,838.53	6,837.88	221.78	2.31	90.66	1,227.19	-279.56	9,158.94	9,100.44	58.50	156.566		
14,300.00	6,840.00	6,838.86	6,838.21	224.45	2.31	90.67	1,227.19	-279.56	9,254.03	9,195.38	58.65	157.791		
14,400.00	6,840.00	6,839.19	6,838.54	227.11	2.31	90.67	1,227.19	-279.56	9,349.22	9,290.42	58.79	159.018		
14,500.00	6,840.00	6,839.52	6,838.87	229.78	2.31	90.68	1,227.19	-279.56	9,444.51	9,385.57	58.94	160.247		
14,600.00	6,840.00	6,839.85	6,839.20	232.45	2.31	90.69	1,227.19	-279.56	9,539.89	9,480.81	59.08	161.476		
14,700.00	6,840.00	6,840.18	6,839.53	235.12	2.31	90.69	1,227.19	-279.56	9,635.37	9,576.15	59.22	162.707		
14,800.00	6,840.00	6,840.51	6,839.86	237.79	2.31	90.70	1,227.19	-279.57	9,730.94	9,671.59	59.36	163.939		
14,900.00	6,840.00	6,840.84	6,840.18	240.46	2.31	90.71	1,227.19	-279.57	9,826.60	9,767.11	59.49	165.172		
15,000.00	6,840.00	6,841.17	6,840.51	243.13	2.31	90.71	1,227.18	-279.57	9,922.35	9,862.72	59.63	166.406		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT SHELTON G 25-22 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-52.32	767.24	-993.52	1,255.80					
100.00	100.00	58.82	58.82	0.13	0.06	-52.31	767.47	-993.49	1,255.41	1,255.21	0.20	6,381.549		
200.00	200.00	155.59	155.58	0.49	0.18	-52.27	768.61	-993.38	1,256.04	1,255.37	0.67	1,871.783		
300.00	300.00	255.34	255.32	0.85	0.28	-52.23	769.65	-993.41	1,256.70	1,255.57	1.13	1,112.871		
400.00	399.98	354.43	354.42	1.20	0.36	75.90	770.34	-993.79	1,257.00	1,255.46	1.55	812.988		
500.00	499.84	450.10	450.08	1.55	0.42	76.15	771.13	-994.22	1,256.61	1,254.65	1.95	643.409		
600.00	599.45	545.75	545.72	1.91	0.47	76.54	772.04	-995.12	1,255.86	1,253.49	2.37	529.712		
700.00	698.70	645.00	644.96	2.29	0.53	77.12	773.13	-996.04	1,254.50	1,251.69	2.81	446.764		
800.00	797.47	744.74	744.69	2.70	0.58	77.87	774.34	-996.85	1,252.47	1,249.21	3.27	383.331		
900.00	895.62	844.51	844.45	3.14	0.63	78.80	775.54	-997.49	1,249.85	1,246.09	3.76	332.835		
1,000.00	993.06	944.52	944.45	3.62	0.67	79.89	776.59	-998.08	1,246.74	1,242.47	4.28	291.459		
1,100.00	1,089.64	1,042.35	1,042.28	4.14	0.72	81.12	777.24	-998.69	1,243.27	1,238.43	4.84	256.895		
1,200.00	1,185.27	1,137.74	1,137.67	4.70	0.76	82.46	777.88	-999.36	1,239.91	1,234.46	5.45	227.659		
1,300.00	1,279.82	1,232.05	1,231.97	5.31	0.80	83.92	778.38	-1,000.02	1,236.77	1,230.66	6.10	202.689		
1,400.00	1,373.17	1,322.31	1,322.22	5.98	0.84	85.45	778.93	-1,000.95	1,234.44	1,227.63	6.81	181.331		
1,500.00	1,465.22	1,416.58	1,416.48	6.70	0.87	87.17	779.38	-1,001.97	1,232.89	1,225.32	7.57	162.916		
1,564.88	1,524.58	1,473.21	1,473.12	7.18	0.89	88.22	779.70	-1,002.59	1,232.55	1,224.47	8.08	152.571 CC		
1,600.00	1,556.72	1,504.29	1,504.19	7.45	0.91	88.80	779.94	-1,002.94	1,232.65	1,224.29	8.36	147.523 ES		
1,700.00	1,648.21	1,601.51	1,601.40	8.21	0.94	90.60	780.50	-1,003.98	1,233.63	1,224.47	9.16	134.732		
1,800.00	1,739.71	1,694.03	1,693.91	8.99	0.98	92.30	780.69	-1,005.03	1,235.66	1,225.70	9.96	124.123		
1,900.00	1,831.20	1,783.63	1,783.51	9.77	1.01	93.93	780.74	-1,006.33	1,239.00	1,228.25	10.75	115.245		
2,000.00	1,922.69	1,873.65	1,873.52	10.56	1.04	95.55	780.89	-1,007.77	1,243.74	1,232.19	11.54	107.744		
2,100.00	2,014.19	1,955.67	1,955.52	11.35	1.07	97.04	781.41	-1,009.02	1,250.05	1,237.72	12.33	101.416		
2,200.00	2,105.68	2,036.66	2,036.49	12.14	1.10	98.50	782.84	-1,010.28	1,258.48	1,245.38	13.10	96.072		
2,300.00	2,197.18	2,122.29	2,122.08	12.94	1.13	100.05	784.97	-1,011.57	1,268.71	1,254.85	13.87	91.500		
2,400.00	2,288.67	2,212.71	2,212.47	13.74	1.16	101.66	787.41	-1,013.03	1,280.38	1,265.76	14.62	87.556		
2,500.00	2,380.17	2,305.38	2,305.09	14.54	1.20	103.31	790.04	-1,014.14	1,293.21	1,277.84	15.37	84.145		
2,600.00	2,471.66	2,402.07	2,401.73	15.35	1.23	105.02	792.80	-1,014.56	1,306.97	1,290.86	16.10	81.169		
2,700.00	2,563.16	2,502.52	2,502.16	16.15	1.26	106.77	795.22	-1,014.49	1,321.37	1,304.55	16.82	78.550		
2,800.00	2,654.65	2,597.67	2,597.29	16.96	1.29	108.40	797.03	-1,014.36	1,336.46	1,318.94	17.52	76.273		
2,900.00	2,746.15	2,687.64	2,687.25	17.76	1.32	109.88	798.45	-1,014.79	1,352.53	1,334.33	18.20	74.314		
3,000.00	2,837.64	2,779.25	2,778.84	18.57	1.35	111.33	799.79	-1,015.74	1,369.67	1,350.80	18.87	72.594		
3,100.00	2,929.14	2,869.67	2,869.25	19.38	1.38	112.75	801.20	-1,016.35	1,387.79	1,368.27	19.52	71.105		
3,200.00	3,020.63	2,962.21	2,961.77	20.19	1.42	114.17	802.69	-1,016.92	1,406.89	1,386.73	20.15	69.808		
3,300.00	3,112.13	3,061.27	3,060.82	21.00	1.45	115.66	804.04	-1,017.35	1,426.65	1,405.87	20.78	68.648		
3,400.00	3,203.62	3,162.42	3,161.97	21.81	1.48	117.15	804.75	-1,017.47	1,446.65	1,425.26	21.39	67.623		
3,500.00	3,295.12	3,254.13	3,253.68	22.63	1.51	118.46	804.96	-1,017.73	1,467.10	1,445.13	21.98	66.759		
3,600.00	3,386.61	3,345.87	3,345.42	23.44	1.54	119.72	805.30	-1,018.37	1,488.54	1,465.99	22.54	66.028		
3,700.00	3,478.10	3,434.62	3,434.16	24.25	1.57	120.88	805.41	-1,019.76	1,510.56	1,487.47	23.09	65.407		
3,800.00	3,569.60	3,515.91	3,515.43	25.06	1.59	121.91	806.11	-1,021.23	1,533.96	1,510.33	23.62	64.935		
3,900.00	3,661.09	3,617.35	3,616.86	25.88	1.62	123.18	806.79	-1,022.68	1,557.82	1,533.65	24.17	64.454		
4,000.00	3,752.59	3,701.32	3,700.82	26.69	1.65	124.21	807.41	-1,023.53	1,582.38	1,557.71	24.68	64.126		
4,100.00	3,844.08	3,792.37	3,791.87	27.50	1.68	125.31	808.31	-1,024.35	1,607.80	1,582.62	25.19	63.838		
4,200.00	3,935.58	3,891.38	3,890.87	28.32	1.72	126.46	809.10	-1,025.29	1,633.64	1,607.95	25.70	63.575		
4,300.00	4,027.07	3,979.83	3,979.31	29.13	1.75	127.45	809.65	-1,026.28	1,659.88	1,633.70	26.18	63.407		
4,400.00	4,118.57	4,066.91	4,066.37	29.95	1.78	128.40	810.42	-1,027.37	1,686.90	1,660.25	26.65	63.298		
4,500.00	4,210.06	4,153.78	4,153.24	30.76	1.81	129.32	811.43	-1,028.36	1,714.67	1,687.56	27.11	63.240		
4,600.00	4,301.56	4,241.49	4,240.93	31.58	1.84	130.22	812.69	-1,029.46	1,743.17	1,715.60	27.57	63.222 SF		
4,700.00	4,393.05	4,328.05	4,327.47	32.39	1.87	131.08	814.11	-1,030.70	1,772.31	1,744.29	28.02	63.247		
4,800.00	4,484.55	4,411.20	4,410.59	33.21	1.90	131.88	815.84	-1,031.90	1,802.27	1,773.81	28.46	63.331		
4,900.00	4,576.04	4,500.55	4,499.90	34.02	1.93	132.71	817.95	-1,033.28	1,832.88	1,803.98	28.90	63.414		
5,000.00	4,667.54	4,604.49	4,603.82	34.84	1.96	133.66	820.06	-1,034.57	1,863.62	1,834.24	29.38	63.441		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT SHELTON G 25-22 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,759.03	4,713.90	4,713.22	35.65	2.00	134.65	821.27	-1,035.18	1,893.99	1,864.14	29.85	63.453		
5,200.00	4,850.53	4,817.04	4,816.35	36.47	2.03	135.57	821.56	-1,035.49	1,924.05	1,893.76	30.29	63.523		
5,300.00	4,942.02	4,914.81	4,914.13	37.28	2.04	136.41	821.39	-1,035.83	1,954.05	1,923.36	30.70	63.653		
5,400.00	5,033.51	5,013.15	5,012.46	38.10	2.05	137.23	820.88	-1,036.22	1,984.09	1,952.99	31.10	63.793		
5,500.00	5,125.01	5,110.91	5,110.22	38.92	2.06	138.02	820.08	-1,036.68	2,014.18	1,982.68	31.50	63.940		
5,600.00	5,216.50	5,204.71	5,204.01	39.73	2.06	138.75	819.16	-1,037.18	2,044.43	2,012.54	31.89	64.108		
5,700.00	5,308.00	5,307.17	5,306.47	40.55	2.06	139.54	817.82	-1,037.79	2,074.70	2,042.40	32.30	64.241		
5,800.00	5,399.49	5,396.49	5,395.77	41.36	2.07	140.19	816.55	-1,038.51	2,105.10	2,072.43	32.67	64.429		
5,900.00	5,490.99	5,505.87	5,505.13	42.18	2.07	140.98	814.61	-1,039.43	2,135.47	2,102.37	33.09	64.532		
6,000.00	5,582.48	5,579.24	5,578.48	43.00	2.07	141.50	813.30	-1,039.79	2,166.16	2,132.73	33.43	64.798		
6,100.00	5,673.98	5,640.76	5,640.00	43.81	2.07	141.93	812.72	-1,039.81	2,198.03	2,164.29	33.73	65.156		
6,200.00	5,765.47	5,700.00	5,699.24	44.63	2.07	142.34	813.05	-1,039.32	2,231.60	2,197.58	34.03	65.585		
6,300.00	5,856.97	5,785.77	5,784.99	45.45	2.07	142.93	814.09	-1,038.05	2,266.23	2,231.84	34.39	65.897		
6,400.00	5,948.46	5,874.23	5,873.43	46.26	2.08	143.54	815.05	-1,036.33	2,301.12	2,266.37	34.76	66.208		
6,500.00	6,039.96	5,959.88	5,959.06	47.08	2.08	144.12	815.98	-1,034.25	2,336.41	2,301.30	35.11	66.547		
6,600.00	6,131.45	6,030.49	6,029.62	47.90	2.08	144.60	816.86	-1,032.12	2,372.29	2,336.87	35.42	66.979		
6,700.00	6,222.95	6,087.66	6,086.72	48.71	2.08	145.00	818.03	-1,029.48	2,409.53	2,373.85	35.68	67.526		
6,800.00	6,314.44	6,152.95	6,151.87	49.53	2.08	145.45	819.88	-1,025.61	2,448.10	2,412.14	35.96	68.079		
6,900.00	6,405.93	6,325.09	6,323.74	50.35	2.10	146.57	824.36	-1,017.63	2,486.79	2,450.26	36.53	68.082		
7,000.00	6,497.01	6,448.26	6,446.90	51.18	2.12	140.80	825.78	-1,017.03	2,522.99	2,485.99	37.00	68.185		
7,100.00	6,582.62	6,554.48	6,553.10	52.20	2.14	128.94	826.33	-1,018.32	2,561.65	2,524.16	37.50	68.315		
7,200.00	6,659.25	6,638.52	6,637.13	53.42	2.17	120.42	826.55	-1,019.69	2,603.91	2,565.91	38.00	68.521		
7,300.00	6,724.59	6,711.20	6,709.80	54.84	2.18	113.48	826.55	-1,020.86	2,649.33	2,610.79	38.54	68.747		
7,400.00	6,776.64	6,771.84	6,770.44	56.40	2.20	107.27	826.41	-1,021.91	2,697.35	2,658.25	39.10	68.992		
7,500.00	6,813.82	6,816.18	6,814.77	58.08	2.21	101.33	826.23	-1,022.76	2,747.28	2,707.63	39.65	69.282		
7,600.00	6,835.01	6,840.09	6,838.67	59.82	2.21	95.41	826.11	-1,023.23	2,798.28	2,758.10	40.18	69.649		
7,700.00	6,840.00	6,847.60	6,846.18	61.57	2.21	90.99	826.08	-1,023.38	2,849.29	2,808.63	40.66	70.076		
7,800.00	6,840.00	6,849.76	6,848.33	63.35	2.21	91.04	826.06	-1,023.42	2,901.89	2,860.75	41.14	70.540		
7,900.00	6,840.00	6,851.91	6,850.49	65.20	2.21	91.09	826.05	-1,023.46	2,956.93	2,915.30	41.62	71.041		
8,000.00	6,840.00	6,854.08	6,852.66	67.10	2.21	91.14	826.04	-1,023.51	3,014.28	2,972.17	42.11	71.584		
8,100.00	6,840.00	6,856.25	6,854.83	69.05	2.22	91.19	826.03	-1,023.55	3,073.81	3,031.22	42.59	72.168		
8,200.00	6,840.00	6,858.43	6,857.00	71.06	2.22	91.24	826.02	-1,023.59	3,135.40	3,092.33	43.07	72.796		
8,300.00	6,840.00	6,860.61	6,859.19	73.11	2.22	91.29	826.01	-1,023.64	3,198.94	3,155.39	43.54	73.466		
8,400.00	6,840.00	6,862.80	6,861.38	75.21	2.22	91.34	825.99	-1,023.68	3,264.29	3,220.29	44.00	74.180		
8,500.00	6,840.00	6,865.00	6,863.57	77.34	2.22	91.40	825.98	-1,023.73	3,331.37	3,286.91	44.46	74.936		
8,600.00	6,840.00	6,867.20	6,865.78	79.51	2.22	91.45	825.97	-1,023.77	3,400.06	3,355.17	44.90	75.733		
8,700.00	6,840.00	6,869.41	6,867.99	81.72	2.22	91.50	825.96	-1,023.82	3,470.28	3,424.96	45.32	76.569		
8,800.00	6,840.00	6,871.63	6,870.20	83.95	2.22	91.55	825.94	-1,023.86	3,541.92	3,496.19	45.74	77.443		
8,900.00	6,840.00	6,873.85	6,872.43	86.22	2.22	91.60	825.93	-1,023.91	3,614.91	3,568.78	46.14	78.353		
9,000.00	6,840.00	6,876.08	6,874.65	88.51	2.22	91.66	825.92	-1,023.95	3,689.17	3,642.65	46.52	79.298		
9,100.00	6,840.00	6,878.32	6,876.89	90.83	2.22	91.71	825.91	-1,024.00	3,764.61	3,717.72	46.90	80.276		
9,200.00	6,840.00	6,880.56	6,879.13	93.16	2.22	91.76	825.89	-1,024.04	3,841.18	3,793.93	47.26	81.285		
9,300.00	6,840.00	6,882.81	6,881.38	95.52	2.22	91.81	825.88	-1,024.09	3,918.80	3,871.20	47.60	82.324		
9,400.00	6,840.00	6,885.07	6,883.64	97.90	2.22	91.87	825.87	-1,024.14	3,997.42	3,949.48	47.94	83.391		
9,500.00	6,840.00	6,887.33	6,885.90	100.30	2.22	91.92	825.85	-1,024.18	4,076.97	4,028.71	48.26	84.483		
9,600.00	6,840.00	6,889.60	6,888.17	102.72	2.22	91.97	825.84	-1,024.23	4,157.40	4,108.83	48.57	85.601		
9,700.00	6,840.00	6,891.88	6,890.45	105.15	2.22	92.03	825.82	-1,024.28	4,238.67	4,189.80	48.87	86.742		
9,800.00	6,840.00	6,894.16	6,892.73	107.59	2.22	92.08	825.81	-1,024.32	4,320.72	4,271.56	49.15	87.905		
9,900.00	6,840.00	6,896.45	6,895.02	110.05	2.22	92.13	825.80	-1,024.37	4,403.51	4,354.08	49.43	89.088		
10,000.00	6,840.00	6,898.75	6,897.31	112.52	2.22	92.19	825.78	-1,024.42	4,487.00	4,437.30	49.70	90.291		
10,100.00	6,840.00	6,901.05	6,899.62	115.00	2.22	92.24	825.77	-1,024.46	4,571.15	4,521.20	49.95	91.511		
10,200.00	6,840.00	6,903.36	6,901.93	117.50	2.22	92.29	825.75	-1,024.51	4,655.93	4,605.73	50.20	92.749		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT SHELTON G 25-22 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	6,905.68	6,904.25	120.00	2.23	92.35	825.74	-1,024.56	4,741.30	4,690.86	50.44	94.003		
10,400.00	6,840.00	6,908.01	6,906.57	122.51	2.23	92.40	825.72	-1,024.61	4,827.23	4,776.56	50.67	95.272		
10,500.00	6,840.00	6,910.34	6,908.90	125.04	2.23	92.46	825.71	-1,024.66	4,913.69	4,862.80	50.89	96.555		
10,600.00	6,840.00	6,912.68	6,911.24	127.57	2.23	92.51	825.69	-1,024.71	5,000.66	4,949.56	51.10	97.851		
10,700.00	6,840.00	6,915.02	6,913.59	130.11	2.23	92.57	825.68	-1,024.76	5,088.10	5,036.79	51.31	99.160		
10,800.00	6,840.00	6,917.38	6,915.94	132.66	2.23	92.62	825.66	-1,024.80	5,176.00	5,124.49	51.51	100.480		
10,900.00	6,840.00	6,914.53	6,913.10	135.21	2.23	92.56	825.68	-1,024.74	5,264.34	5,212.65	51.69	101.845		
11,000.00	6,840.00	6,916.19	6,914.76	137.77	2.23	92.59	825.67	-1,024.77	5,353.08	5,301.21	51.88	103.191		
11,100.00	6,840.00	6,917.84	6,916.40	140.34	2.23	92.63	825.66	-1,024.81	5,442.21	5,390.16	52.06	104.546		
11,200.00	6,840.00	6,919.48	6,918.04	142.91	2.23	92.67	825.65	-1,024.84	5,531.72	5,479.49	52.23	105.911		
11,300.00	6,840.00	6,921.10	6,919.66	145.49	2.23	92.71	825.64	-1,024.87	5,621.57	5,569.17	52.40	107.284		
11,400.00	6,840.00	6,922.71	6,921.27	148.07	2.23	92.75	825.63	-1,024.90	5,711.76	5,659.20	52.56	108.664		
11,500.00	6,840.00	6,924.31	6,922.87	150.66	2.23	92.78	825.62	-1,024.93	5,802.28	5,749.55	52.72	110.053		
11,600.00	6,840.00	6,925.90	6,924.46	153.25	2.23	92.82	825.61	-1,024.96	5,893.10	5,840.22	52.88	111.448		
11,700.00	6,840.00	6,927.48	6,926.04	155.85	2.23	92.86	825.60	-1,025.00	5,984.21	5,931.18	53.03	112.849		
11,800.00	6,840.00	6,929.04	6,927.60	158.45	2.23	92.89	825.59	-1,025.03	6,075.60	6,022.42	53.17	114.257		
11,900.00	6,840.00	6,930.60	6,929.16	161.06	2.23	92.93	825.58	-1,025.06	6,167.26	6,113.94	53.32	115.670		
12,000.00	6,840.00	6,932.14	6,930.70	163.67	2.23	92.97	825.57	-1,025.09	6,259.17	6,205.71	53.46	117.089		
12,100.00	6,840.00	6,933.67	6,932.23	166.28	2.23	93.00	825.56	-1,025.11	6,351.32	6,297.73	53.59	118.512		
12,200.00	6,840.00	6,935.19	6,933.75	168.90	2.23	93.04	825.55	-1,025.14	6,443.71	6,389.99	53.72	119.939		
12,300.00	6,840.00	6,936.71	6,935.26	171.52	2.23	93.07	825.54	-1,025.17	6,536.33	6,482.47	53.85	121.371		
12,400.00	6,840.00	6,938.21	6,936.77	174.15	2.23	93.11	825.53	-1,025.20	6,629.15	6,575.17	53.98	122.807		
12,500.00	6,840.00	6,939.70	6,938.26	176.77	2.23	93.14	825.52	-1,025.23	6,722.19	6,668.08	54.10	124.246		
12,600.00	6,840.00	6,941.18	6,939.73	179.40	2.23	93.18	825.51	-1,025.26	6,815.42	6,761.19	54.22	125.688		
12,700.00	6,840.00	6,942.65	6,941.20	182.04	2.23	93.21	825.50	-1,025.29	6,908.83	6,854.49	54.34	127.134		
12,800.00	6,840.00	6,944.11	6,942.66	184.67	2.23	93.25	825.49	-1,025.31	7,002.43	6,947.98	54.46	128.582		
12,900.00	6,840.00	6,945.56	6,944.11	187.31	2.23	93.28	825.48	-1,025.34	7,096.21	7,041.64	54.57	130.032		
13,000.00	6,840.00	6,947.00	6,945.55	189.95	2.23	93.31	825.48	-1,025.37	7,190.15	7,135.47	54.68	131.485		
13,100.00	6,840.00	6,948.43	6,946.98	192.59	2.23	93.35	825.47	-1,025.39	7,284.25	7,229.46	54.79	132.940		
13,200.00	6,840.00	6,949.85	6,948.40	195.24	2.23	93.38	825.46	-1,025.42	7,378.51	7,323.61	54.90	134.397		
13,300.00	6,840.00	6,951.26	6,949.81	197.88	2.23	93.41	825.45	-1,025.45	7,472.92	7,417.91	55.01	135.855		
13,400.00	6,840.00	6,952.66	6,951.21	200.53	2.23	93.45	825.44	-1,025.47	7,567.47	7,512.36	55.11	137.314		
13,500.00	6,840.00	6,954.05	6,952.60	203.18	2.23	93.48	825.43	-1,025.50	7,662.15	7,606.94	55.21	138.775		
13,600.00	6,840.00	6,955.43	6,953.99	205.83	2.23	93.51	825.42	-1,025.52	7,756.98	7,701.66	55.31	140.237		
13,700.00	6,840.00	6,956.80	6,955.36	208.49	2.24	93.54	825.41	-1,025.55	7,851.92	7,796.51	55.41	141.700		
13,800.00	6,840.00	6,958.17	6,956.72	211.14	2.24	93.58	825.40	-1,025.57	7,947.00	7,891.49	55.51	143.163		
13,900.00	6,840.00	6,959.52	6,958.08	213.80	2.24	93.61	825.39	-1,025.60	8,042.19	7,986.58	55.61	144.627		
14,000.00	6,840.00	6,960.87	6,959.42	216.46	2.24	93.64	825.39	-1,025.62	8,137.50	8,081.79	55.70	146.091		
14,100.00	6,840.00	6,962.21	6,960.76	219.12	2.24	93.67	825.38	-1,025.64	8,232.91	8,177.12	55.80	147.556		
14,200.00	6,840.00	6,963.53	6,962.09	221.78	2.24	93.70	825.37	-1,025.67	8,328.44	8,272.55	55.89	149.021		
14,300.00	6,840.00	6,964.85	6,963.41	224.45	2.24	93.73	825.36	-1,025.69	8,424.07	8,368.09	55.98	150.486		
14,400.00	6,840.00	6,966.17	6,964.72	227.11	2.24	93.76	825.35	-1,025.72	8,519.80	8,463.73	56.07	151.950		
14,500.00	6,840.00	6,967.47	6,966.02	229.78	2.24	93.79	825.34	-1,025.74	8,615.62	8,559.46	56.16	153.414		
14,600.00	6,840.00	6,968.76	6,967.31	232.45	2.24	93.82	825.34	-1,025.76	8,711.54	8,655.29	56.25	154.878		
14,700.00	6,840.00	6,970.05	6,968.60	235.12	2.24	93.85	825.33	-1,025.78	8,807.55	8,751.21	56.34	156.342		
14,800.00	6,840.00	6,971.32	6,969.88	237.79	2.24	93.88	825.32	-1,025.81	8,903.65	8,847.22	56.42	157.805		
14,900.00	6,840.00	6,972.59	6,971.15	240.46	2.24	93.91	825.31	-1,025.83	8,999.83	8,943.32	56.51	159.267		
15,000.00	6,840.00	6,973.85	6,972.41	243.13	2.24	93.94	825.30	-1,025.85	9,096.09	9,039.50	56.59	160.728		
15,100.00	6,840.00	6,975.11	6,973.66	245.80	2.24	93.97	825.29	-1,025.87	9,192.44	9,135.76	56.68	162.189		
15,200.00	6,840.00	6,976.35	6,974.90	248.48	2.24	94.00	825.29	-1,025.89	9,288.86	9,232.10	56.76	163.648		
15,300.00	6,840.00	6,977.59	6,976.14	251.15	2.24	94.03	825.28	-1,025.92	9,385.35	9,328.51	56.84	165.106		
15,400.00	6,840.00	6,978.82	6,977.37	253.83	2.24	94.06	825.27	-1,025.94	9,481.92	9,424.99	56.93	166.564		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT SHELTON G 25-22 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,500.00	6,840.00	6,980.04	6,978.59	256.51	2.24	94.09	825.26	-1,025.96	9,578.56	9,521.55	57.01	168.019	
15,600.00	6,840.00	6,981.26	6,979.81	259.19	2.24	94.11	825.25	-1,025.98	9,675.26	9,618.17	57.09	169.474	
15,700.00	6,840.00	6,982.46	6,981.01	261.87	2.24	94.14	825.25	-1,026.00	9,772.04	9,714.87	57.17	170.927	
15,800.00	6,840.00	6,983.66	6,982.21	264.55	2.24	94.17	825.24	-1,026.02	9,868.87	9,811.62	57.25	172.379	
15,900.00	6,840.00	6,984.85	6,983.40	267.23	2.24	94.20	825.23	-1,026.04	9,965.77	9,908.44	57.33	173.829	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT SHELTON G 36-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-153.96	-1,907.85	-932.24	2,123.70					
100.00	100.00	71.19	71.19	0.13	0.08	-153.96	-1,907.75	-932.23	2,123.35	2,123.14	0.21	N/A		
200.00	200.00	170.08	170.08	0.49	0.15	-153.96	-1,907.51	-932.10	2,123.07	2,122.42	0.65	3,278.618		
300.00	300.00	268.24	268.24	0.85	0.24	-153.97	-1,907.59	-931.66	2,122.94	2,121.85	1.09	1,939.706		
400.00	399.98	365.89	365.89	1.20	0.32	-25.96	-1,907.69	-931.31	2,121.31	2,119.79	1.52	1,397.904		
500.00	499.84	469.32	469.32	1.55	0.35	-26.07	-1,907.73	-931.16	2,116.58	2,114.69	1.89	1,118.531		
600.00	599.45	570.17	570.17	1.91	0.38	-26.24	-1,907.45	-931.20	2,108.52	2,106.24	2.28	924.835		
700.00	698.70	660.22	660.21	2.29	0.40	-26.48	-1,907.42	-931.11	2,097.52	2,094.86	2.66	789.015		
800.00	797.47	753.54	753.53	2.70	0.42	-26.78	-1,907.80	-931.24	2,083.92	2,080.87	3.06	681.765		
900.00	895.62	851.30	851.29	3.14	0.46	-27.18	-1,908.26	-931.37	2,067.33	2,063.85	3.48	594.402		
1,000.00	993.06	955.97	955.96	3.62	0.49	-27.66	-1,908.50	-931.91	2,047.67	2,043.77	3.90	525.127		
1,100.00	1,089.64	1,058.93	1,058.92	4.14	0.52	-28.24	-1,908.33	-932.04	2,024.55	2,020.21	4.34	466.334		
1,200.00	1,185.27	1,150.61	1,150.61	4.70	0.54	-28.87	-1,908.17	-932.15	1,998.50	1,993.72	4.79	417.497		
1,300.00	1,279.82	1,241.77	1,241.77	5.31	0.56	-29.59	-1,908.28	-932.29	1,969.89	1,964.65	5.25	375.568		
1,400.00	1,373.17	1,336.34	1,336.33	5.98	0.59	-30.44	-1,908.32	-932.61	1,938.52	1,932.78	5.74	337.843		
1,500.00	1,465.22	1,428.57	1,428.56	6.70	0.62	-31.35	-1,908.29	-932.98	1,904.43	1,898.17	6.26	304.149		
1,600.00	1,556.72	1,518.92	1,518.91	7.45	0.66	-31.95	-1,908.22	-933.57	1,869.45	1,862.66	6.79	275.257		
1,700.00	1,648.21	1,610.69	1,610.68	8.21	0.69	-32.58	-1,908.10	-934.37	1,834.70	1,827.36	7.34	250.053		
1,800.00	1,739.71	1,704.61	1,704.59	8.99	0.72	-33.24	-1,907.92	-935.17	1,800.10	1,792.20	7.90	227.948		
1,900.00	1,831.20	1,791.50	1,791.48	9.77	0.76	-33.88	-1,907.77	-936.06	1,765.79	1,757.32	8.47	208.440		
2,000.00	1,922.69	1,880.33	1,880.29	10.56	0.79	-34.54	-1,907.73	-937.25	1,731.91	1,722.85	9.06	191.161		
2,100.00	2,014.19	1,986.83	1,986.79	11.35	0.82	-35.37	-1,907.43	-938.55	1,698.06	1,688.41	9.65	175.939		
2,200.00	2,105.68	2,075.44	2,075.39	12.14	0.85	-36.10	-1,906.85	-939.21	1,663.98	1,653.72	10.27	162.079		
2,300.00	2,197.18	2,163.23	2,163.19	12.94	0.88	-36.85	-1,906.60	-939.71	1,630.46	1,619.56	10.90	149.607		
2,400.00	2,288.67	2,250.84	2,250.79	13.74	0.91	-37.64	-1,906.55	-940.18	1,597.44	1,585.89	11.55	138.352		
2,500.00	2,380.17	2,341.52	2,341.47	14.54	0.94	-38.49	-1,906.69	-940.81	1,564.96	1,552.75	12.21	128.192		
2,600.00	2,471.66	2,431.37	2,431.32	15.35	0.97	-39.35	-1,906.73	-941.49	1,532.74	1,519.86	12.89	118.948		
2,700.00	2,563.16	2,516.13	2,516.07	16.15	0.99	-40.20	-1,907.21	-942.17	1,501.36	1,487.77	13.58	110.523		
2,800.00	2,654.65	2,617.14	2,617.08	16.96	1.02	-41.26	-1,907.54	-942.89	1,470.13	1,455.84	14.29	102.898		
2,900.00	2,746.15	2,706.26	2,706.20	17.76	1.05	-42.23	-1,907.73	-943.44	1,439.20	1,424.18	15.02	95.811		
3,000.00	2,837.64	2,801.10	2,801.03	18.57	1.08	-43.30	-1,907.87	-944.18	1,408.69	1,392.92	15.77	89.341		
3,100.00	2,929.14	2,889.21	2,889.14	19.38	1.11	-44.32	-1,907.98	-945.06	1,378.67	1,362.13	16.54	83.350		
3,200.00	3,020.63	2,979.85	2,979.77	20.19	1.14	-45.41	-1,908.24	-946.17	1,349.31	1,331.98	17.33	77.855		
3,300.00	3,112.13	3,066.11	3,066.03	21.00	1.17	-46.49	-1,908.67	-947.20	1,320.66	1,302.52	18.15	72.783		
3,400.00	3,203.62	3,156.42	3,156.33	21.81	1.19	-47.70	-1,909.58	-947.56	1,292.96	1,273.97	18.98	68.109		
3,500.00	3,295.12	3,251.15	3,251.06	22.63	1.21	-49.01	-1,910.42	-948.01	1,265.76	1,245.92	19.84	63.793		
3,600.00	3,386.61	3,347.01	3,346.92	23.44	1.23	-50.40	-1,911.00	-948.37	1,238.97	1,218.26	20.72	59.806		
3,700.00	3,478.10	3,440.71	3,440.61	24.25	1.24	-51.85	-1,911.32	-947.95	1,212.62	1,191.00	21.62	56.083		
3,800.00	3,569.60	3,528.58	3,528.46	25.06	1.24	-53.31	-1,911.70	-946.35	1,187.12	1,164.55	22.57	52.589		
3,900.00	3,661.09	3,611.58	3,611.44	25.88	1.25	-54.77	-1,912.50	-944.40	1,163.03	1,139.47	23.56	49.366		
4,000.00	3,752.59	3,691.92	3,691.74	26.69	1.25	-56.22	-1,913.93	-942.48	1,140.69	1,116.12	24.57	46.425		
4,100.00	3,844.08	3,780.56	3,780.34	27.50	1.26	-57.85	-1,916.11	-940.86	1,119.99	1,094.40	25.59	43.765		
4,200.00	3,935.58	3,863.74	3,863.48	28.32	1.28	-59.38	-1,918.54	-940.22	1,100.73	1,074.10	26.63	41.338		
4,300.00	4,027.07	3,951.31	3,950.98	29.13	1.30	-61.00	-1,921.89	-940.21	1,083.27	1,055.60	27.67	39.150		
4,400.00	4,118.57	4,046.08	4,045.67	29.95	1.32	-62.74	-1,925.71	-941.21	1,066.92	1,038.20	28.71	37.159		
4,500.00	4,210.06	4,143.63	4,143.13	30.76	1.35	-64.54	-1,929.44	-943.20	1,051.28	1,021.53	29.76	35.330		
4,600.00	4,301.56	4,242.97	4,242.36	31.58	1.38	-66.36	-1,932.99	-946.42	1,036.24	1,005.44	30.80	33.646		
4,700.00	4,393.05	4,343.02	4,342.32	32.39	1.41	-68.26	-1,935.88	-949.65	1,021.62	989.77	31.85	32.078		
4,800.00	4,484.55	4,439.64	4,438.86	33.21	1.44	-70.15	-1,938.07	-952.67	1,007.57	974.67	32.91	30.620		
4,900.00	4,576.04	4,534.19	4,533.34	34.02	1.47	-72.04	-1,940.12	-955.80	994.55	960.59	33.97	29.281		
5,000.00	4,667.54	4,630.08	4,629.17	34.84	1.50	-74.02	-1,941.83	-958.74	982.47	947.45	35.02	28.053		
5,100.00	4,759.03	4,725.83	4,724.88	35.65	1.53	-76.07	-1,943.11	-961.22	971.45	935.38	36.07	26.929		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT SHELTON G 36-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,850.53	4,825.24	4,824.25	36.47	1.55	-78.26	-1,943.82	-963.80	961.27	924.16	37.11	25.903		
5,300.00	4,942.02	4,925.81	4,924.79	37.28	1.58	-80.57	-1,943.47	-965.86	951.86	913.73	38.13	24.962		
5,400.00	5,033.51	5,027.79	5,026.74	38.10	1.60	-83.00	-1,941.57	-967.63	942.89	903.76	39.13	24.094		
5,500.00	5,125.01	5,116.48	5,115.39	38.92	1.61	-85.23	-1,938.98	-968.29	935.26	895.14	40.12	23.310		
5,600.00	5,216.50	5,194.79	5,193.67	39.73	1.61	-87.24	-1,937.00	-967.99	930.28	889.21	41.07	22.649		
5,700.00	5,308.00	5,285.20	5,284.05	40.55	1.61	-89.62	-1,934.78	-966.66	927.85	885.88	41.97	22.107		
5,747.66	5,351.60	5,323.00	5,321.82	40.94	1.61	-90.65	-1,933.66	-965.76	927.46	885.08	42.38	21.886	CC, ES	
5,800.00	5,399.49	5,361.39	5,360.18	41.36	1.61	-91.69	-1,932.73	-964.59	927.96	885.16	42.80	21.680		
5,900.00	5,490.99	5,439.84	5,438.56	42.18	1.61	-93.81	-1,931.57	-961.57	931.60	888.04	43.56	21.387		
6,000.00	5,582.48	5,527.82	5,526.48	43.00	1.61	-96.12	-1,931.33	-958.41	937.89	893.64	44.25	21.193		
6,100.00	5,673.98	5,626.20	5,624.83	43.81	1.61	-98.60	-1,931.64	-955.93	945.76	900.86	44.90	21.061		
6,200.00	5,765.47	5,728.42	5,727.04	44.63	1.61	-101.13	-1,931.37	-954.39	954.35	908.84	45.50	20.973		
6,300.00	5,856.97	5,824.92	5,823.53	45.45	1.61	-103.47	-1,930.60	-953.56	963.90	917.86	46.04	20.936	SF	
6,400.00	5,948.46	5,920.03	5,918.63	46.26	1.61	-105.74	-1,929.59	-953.07	974.73	928.21	46.52	20.952		
6,500.00	6,039.96	6,017.72	6,016.32	47.08	1.63	-107.99	-1,928.82	-953.48	986.57	939.61	46.96	21.008		
6,600.00	6,131.45	6,109.20	6,107.79	47.90	1.65	-110.01	-1,928.38	-954.32	999.68	952.33	47.35	21.111		
6,700.00	6,222.95	6,202.72	6,201.31	48.71	1.67	-112.04	-1,927.87	-955.25	1,014.11	966.40	47.71	21.256		
6,800.00	6,314.44	6,293.28	6,291.86	49.53	1.69	-113.96	-1,927.27	-956.12	1,029.87	981.85	48.02	21.449		
6,900.00	6,405.93	6,381.32	6,379.90	50.35	1.71	-115.77	-1,926.88	-956.85	1,047.11	998.83	48.28	21.688		
7,000.00	6,497.01	6,468.69	6,467.27	51.18	1.73	-122.23	-1,926.88	-957.40	1,067.06	1,018.55	48.52	21.994		
7,100.00	6,582.62	6,554.99	6,553.57	52.20	1.75	-131.54	-1,927.00	-957.77	1,101.07	1,052.30	48.77	22.576		
7,200.00	6,659.25	6,632.70	6,631.27	53.42	1.77	-136.51	-1,927.12	-958.26	1,151.00	1,101.98	49.02	23.479		
7,300.00	6,724.59	6,696.48	6,695.05	54.84	1.79	-138.44	-1,927.16	-958.57	1,215.57	1,166.34	49.24	24.689		
7,400.00	6,776.64	6,746.61	6,745.18	56.40	1.80	-137.45	-1,927.19	-958.73	1,292.68	1,243.28	49.40	26.168		
7,500.00	6,813.82	6,782.26	6,780.83	58.08	1.80	-132.12	-1,927.21	-958.78	1,379.63	1,330.12	49.51	27.866		
7,600.00	6,835.01	6,802.61	6,801.18	59.82	1.81	-117.16	-1,927.23	-958.79	1,473.42	1,423.85	49.56	29.727		
7,700.00	6,840.00	6,807.62	6,806.20	61.57	1.81	-90.04	-1,927.23	-958.80	1,570.83	1,521.27	49.57	31.691		
7,800.00	6,840.00	6,807.66	6,806.23	63.35	1.81	-90.04	-1,927.23	-958.80	1,669.01	1,619.46	49.55	33.681		
7,900.00	6,840.00	6,807.69	6,806.27	65.20	1.81	-90.05	-1,927.23	-958.80	1,767.39	1,717.85	49.54	35.675		
8,000.00	6,840.00	6,807.73	6,806.30	67.10	1.81	-90.06	-1,927.23	-958.80	1,865.94	1,816.41	49.53	37.673		
8,100.00	6,840.00	6,807.76	6,806.34	69.05	1.81	-90.06	-1,927.23	-958.80	1,964.64	1,915.12	49.52	39.674		
8,200.00	6,840.00	6,807.80	6,806.37	71.06	1.81	-90.07	-1,927.23	-958.80	2,063.46	2,013.95	49.51	41.676		
8,300.00	6,840.00	6,807.83	6,806.40	73.11	1.81	-90.08	-1,927.23	-958.80	2,162.39	2,112.89	49.50	43.680		
8,400.00	6,840.00	6,807.86	6,806.44	75.21	1.81	-90.08	-1,927.23	-958.80	2,261.42	2,211.92	49.50	45.685		
8,500.00	6,840.00	6,807.90	6,806.47	77.34	1.81	-90.09	-1,927.23	-958.80	2,360.53	2,311.03	49.50	47.691		
8,600.00	6,840.00	6,807.93	6,806.51	79.51	1.81	-90.09	-1,927.23	-958.80	2,459.71	2,410.21	49.49	49.697		
8,700.00	6,840.00	6,807.97	6,806.54	81.72	1.81	-90.10	-1,927.23	-958.80	2,558.95	2,509.46	49.49	51.702		
8,800.00	6,840.00	6,808.00	6,806.58	83.95	1.81	-90.11	-1,927.23	-958.80	2,658.25	2,608.76	49.49	53.708		
8,900.00	6,840.00	6,808.04	6,806.61	86.22	1.81	-90.11	-1,927.23	-958.80	2,757.60	2,708.11	49.50	55.713		
9,000.00	6,840.00	6,808.07	6,806.65	88.51	1.81	-90.12	-1,927.23	-958.80	2,857.00	2,807.50	49.50	57.717		
9,100.00	6,840.00	6,808.11	6,806.68	90.83	1.81	-90.13	-1,927.23	-958.80	2,956.44	2,906.93	49.51	59.720		
9,200.00	6,840.00	6,808.14	6,806.72	93.16	1.81	-90.13	-1,927.23	-958.80	3,055.91	3,006.40	49.51	61.722		
9,300.00	6,840.00	6,808.18	6,806.75	95.52	1.81	-90.14	-1,927.23	-958.80	3,155.42	3,105.90	49.52	63.722		
9,400.00	6,840.00	6,808.21	6,806.79	97.90	1.81	-90.15	-1,927.23	-958.80	3,254.95	3,205.43	49.53	65.721		
9,500.00	6,840.00	6,808.25	6,806.82	100.30	1.81	-90.15	-1,927.23	-958.80	3,354.52	3,304.98	49.54	67.718		
9,600.00	6,840.00	6,808.28	6,806.86	102.72	1.81	-90.16	-1,927.23	-958.80	3,454.11	3,404.56	49.55	69.714		
9,700.00	6,840.00	6,808.32	6,806.89	105.15	1.81	-90.17	-1,927.23	-958.80	3,553.72	3,504.16	49.56	71.708		
9,800.00	6,840.00	6,808.35	6,806.93	107.59	1.81	-90.17	-1,927.23	-958.80	3,653.36	3,603.79	49.57	73.700		
9,900.00	6,840.00	6,808.39	6,806.96	110.05	1.81	-90.18	-1,927.23	-958.80	3,753.01	3,703.43	49.58	75.690		
10,000.00	6,840.00	6,808.42	6,806.99	112.52	1.81	-90.19	-1,927.23	-958.80	3,852.68	3,803.08	49.60	77.677		
10,100.00	6,840.00	6,808.46	6,807.03	115.00	1.81	-90.19	-1,927.23	-958.80	3,952.37	3,902.76	49.61	79.663		
10,200.00	6,840.00	6,808.49	6,807.06	117.50	1.81	-90.20	-1,927.23	-958.80	4,052.07	4,002.44	49.63	81.646		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT SHELTON G 36-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	6,808.52	6,807.10	120.00	1.81	-90.20	-1,927.23	-958.80	4,151.79	4,102.14	49.65	83.627		
10,400.00	6,840.00	6,808.56	6,807.13	122.51	1.81	-90.21	-1,927.23	-958.80	4,251.52	4,201.86	49.66	85.605		
10,500.00	6,840.00	6,808.59	6,807.17	125.04	1.81	-90.22	-1,927.23	-958.80	4,351.26	4,301.58	49.68	87.580		
10,600.00	6,840.00	6,808.63	6,807.20	127.57	1.81	-90.22	-1,927.23	-958.80	4,451.02	4,401.32	49.70	89.553		
10,700.00	6,840.00	6,808.66	6,807.24	130.11	1.81	-90.23	-1,927.23	-958.80	4,550.79	4,501.06	49.72	91.523		
10,800.00	6,840.00	6,808.70	6,807.27	132.66	1.81	-90.24	-1,927.23	-958.80	4,650.56	4,600.82	49.74	93.491		
10,900.00	6,840.00	6,808.74	6,807.31	135.21	1.81	-90.24	-1,927.23	-958.80	4,750.35	4,700.58	49.77	95.455		
11,000.00	6,840.00	6,808.77	6,807.34	137.77	1.81	-90.25	-1,927.23	-958.80	4,850.14	4,800.35	49.79	97.417		
11,100.00	6,840.00	6,808.81	6,807.38	140.34	1.81	-90.26	-1,927.23	-958.80	4,949.94	4,900.13	49.81	99.375		
11,200.00	6,840.00	6,808.84	6,807.41	142.91	1.81	-90.26	-1,927.23	-958.80	5,049.75	4,999.92	49.83	101.331		
11,300.00	6,840.00	6,808.88	6,807.45	145.49	1.81	-90.27	-1,927.23	-958.80	5,149.57	5,099.71	49.86	103.283		
11,400.00	6,840.00	6,808.91	6,807.49	148.07	1.81	-90.28	-1,927.23	-958.80	5,249.39	5,199.51	49.88	105.232		
11,500.00	6,840.00	6,808.95	6,807.52	150.66	1.81	-90.28	-1,927.23	-958.80	5,349.23	5,299.32	49.91	107.178		
11,600.00	6,840.00	6,808.98	6,807.56	153.25	1.81	-90.29	-1,927.23	-958.80	5,449.06	5,399.13	49.94	109.121		
11,700.00	6,840.00	6,809.02	6,807.59	155.85	1.81	-90.30	-1,927.23	-958.80	5,548.91	5,498.94	49.96	111.060		
11,800.00	6,840.00	6,809.05	6,807.63	158.45	1.81	-90.30	-1,927.23	-958.80	5,648.75	5,598.76	49.99	112.995		
11,900.00	6,840.00	6,809.09	6,807.66	161.06	1.81	-90.31	-1,927.23	-958.80	5,748.61	5,698.59	50.02	114.928		
12,000.00	6,840.00	6,809.12	6,807.70	163.67	1.81	-90.32	-1,927.23	-958.80	5,848.47	5,798.42	50.05	116.856		
12,100.00	6,840.00	6,809.16	6,807.73	166.28	1.81	-90.32	-1,927.23	-958.80	5,948.33	5,898.25	50.08	118.782		
12,200.00	6,840.00	6,809.19	6,807.77	168.90	1.81	-90.33	-1,927.23	-958.80	6,048.20	5,998.09	50.11	120.703		
12,300.00	6,840.00	6,809.23	6,807.80	171.52	1.81	-90.34	-1,927.24	-958.80	6,148.07	6,097.93	50.14	122.621		
12,400.00	6,840.00	6,809.26	6,807.84	174.15	1.81	-90.34	-1,927.24	-958.80	6,247.95	6,197.78	50.17	124.535		
12,500.00	6,840.00	6,809.30	6,807.87	176.77	1.81	-90.35	-1,927.24	-958.80	6,347.83	6,297.63	50.20	126.446		
12,600.00	6,840.00	6,809.33	6,807.91	179.40	1.81	-90.36	-1,927.24	-958.80	6,447.71	6,397.48	50.23	128.352		
12,700.00	6,840.00	6,809.37	6,807.94	182.04	1.81	-90.36	-1,927.24	-958.80	6,547.60	6,497.33	50.27	130.255		
12,800.00	6,840.00	6,809.41	6,807.98	184.67	1.81	-90.37	-1,927.24	-958.80	6,647.49	6,597.19	50.30	132.153		
12,900.00	6,840.00	6,809.44	6,808.02	187.31	1.81	-90.38	-1,927.24	-958.80	6,747.38	6,697.05	50.34	134.048		
13,000.00	6,840.00	6,809.48	6,808.05	189.95	1.81	-90.38	-1,927.24	-958.80	6,847.28	6,796.91	50.37	135.939		
13,100.00	6,840.00	6,809.51	6,808.09	192.59	1.81	-90.39	-1,927.24	-958.80	6,947.18	6,896.78	50.41	137.826		
13,200.00	6,840.00	6,809.55	6,808.12	195.24	1.81	-90.39	-1,927.24	-958.80	7,047.09	6,996.64	50.44	139.708		
13,300.00	6,840.00	6,809.58	6,808.16	197.88	1.81	-90.40	-1,927.24	-958.80	7,146.99	7,096.51	50.48	141.587		
13,400.00	6,840.00	6,809.62	6,808.19	200.53	1.81	-90.41	-1,927.24	-958.80	7,246.90	7,196.38	50.51	143.461		
13,500.00	6,840.00	6,809.65	6,808.23	203.18	1.81	-90.41	-1,927.24	-958.80	7,346.81	7,296.26	50.55	145.331		
13,600.00	6,840.00	6,809.69	6,808.27	205.83	1.81	-90.42	-1,927.24	-958.80	7,446.72	7,396.13	50.59	147.197		
13,700.00	6,840.00	6,809.73	6,808.30	208.49	1.81	-90.43	-1,927.24	-958.80	7,546.64	7,496.01	50.63	149.059		
13,800.00	6,840.00	6,809.76	6,808.34	211.14	1.81	-90.43	-1,927.24	-958.80	7,646.56	7,595.89	50.67	150.916		
13,900.00	6,840.00	6,809.80	6,808.37	213.80	1.81	-90.44	-1,927.24	-958.80	7,746.48	7,695.77	50.71	152.769		
14,000.00	6,840.00	6,809.83	6,808.41	216.46	1.81	-90.45	-1,927.24	-958.80	7,846.40	7,795.65	50.75	154.617		
14,100.00	6,840.00	6,809.87	6,808.44	219.12	1.81	-90.45	-1,927.24	-958.80	7,946.32	7,895.54	50.79	156.461		
14,200.00	6,840.00	6,809.91	6,808.48	221.78	1.81	-90.46	-1,927.24	-958.80	8,046.25	7,995.42	50.83	158.301		
14,300.00	6,840.00	6,809.94	6,808.52	224.45	1.81	-90.47	-1,927.24	-958.80	8,146.18	8,095.31	50.87	160.136		
14,400.00	6,840.00	6,809.98	6,808.55	227.11	1.81	-90.47	-1,927.24	-958.80	8,246.11	8,195.19	50.91	161.966		
14,500.00	6,840.00	6,810.01	6,808.59	229.78	1.81	-90.48	-1,927.24	-958.80	8,346.04	8,295.08	50.96	163.792		
14,600.00	6,840.00	6,810.05	6,808.62	232.45	1.81	-90.49	-1,927.24	-958.80	8,445.97	8,394.97	51.00	165.613		
14,700.00	6,840.00	6,810.08	6,808.66	235.12	1.81	-90.49	-1,927.24	-958.80	8,545.90	8,494.86	51.04	167.430		
14,800.00	6,840.00	6,810.12	6,808.70	237.79	1.81	-90.50	-1,927.24	-958.80	8,645.84	8,594.75	51.09	169.242		
14,900.00	6,840.00	6,810.16	6,808.73	240.46	1.81	-90.51	-1,927.24	-958.80	8,745.78	8,694.65	51.13	171.049		
15,000.00	6,840.00	6,810.19	6,808.77	243.13	1.81	-90.51	-1,927.24	-958.80	8,845.72	8,794.54	51.18	172.852		
15,100.00	6,840.00	6,810.23	6,808.80	245.80	1.81	-90.52	-1,927.24	-958.80	8,945.66	8,894.43	51.22	174.649		
15,200.00	6,840.00	6,810.26	6,808.84	248.48	1.81	-90.53	-1,927.24	-958.80	9,045.60	8,994.33	51.27	176.442		
15,300.00	6,840.00	6,810.30	6,808.88	251.15	1.81	-90.53	-1,927.24	-958.80	9,145.54	9,094.23	51.31	178.230		
15,400.00	6,840.00	6,810.34	6,808.91	253.83	1.81	-90.54	-1,927.24	-958.80	9,245.48	9,194.12	51.36	180.014		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - ABND VERT SHELTON G 36-27 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,500.00	6,840.00	6,810.37	6,808.95	256.51	1.81	-90.55	-1,927.24	-958.80	9,345.43	9,294.02	51.41	181.792	
15,600.00	6,840.00	6,810.41	6,808.98	259.19	1.81	-90.56	-1,927.24	-958.80	9,445.37	9,393.92	51.46	183.566	
15,700.00	6,840.00	6,810.45	6,809.02	261.87	1.81	-90.56	-1,927.24	-958.80	9,545.32	9,493.82	51.50	185.334	
15,800.00	6,840.00	6,810.48	6,809.06	264.55	1.81	-90.57	-1,927.24	-958.80	9,645.27	9,593.72	51.55	187.098	
15,900.00	6,840.00	6,810.52	6,809.09	267.23	1.81	-90.58	-1,927.24	-958.80	9,745.22	9,693.62	51.60	188.856	
16,000.00	6,840.00	6,810.55	6,809.13	269.91	1.81	-90.58	-1,927.24	-958.80	9,845.17	9,793.52	51.65	190.610	
16,100.00	6,840.00	6,810.59	6,809.16	272.59	1.81	-90.59	-1,927.24	-958.80	9,945.12	9,893.42	51.70	192.358	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ HEARTLAND C30-79HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 320-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	-178.42	-1,825.53	-50.50	1,826.22					
100.00	100.00	98.48	98.48	0.13	0.17	-178.41	-1,825.57	-50.54	1,826.27	1,825.96	0.30	6,044.292		
200.00	200.00	196.96	196.96	0.49	0.34	-178.41	-1,825.69	-50.64	1,826.39	1,825.56	0.83	2,204.938		
300.00	300.00	295.44	295.44	0.85	0.50	-178.41	-1,825.89	-50.82	1,826.60	1,825.24	1.35	1,348.551		
400.00	399.98	396.40	396.40	1.20	0.82	-50.40	-1,826.12	-51.10	1,825.73	1,823.71	2.01	906.166		
500.00	499.84	498.10	498.10	1.55	1.18	-50.56	-1,826.26	-51.60	1,822.54	1,819.82	2.72	669.139		
600.00	599.45	599.58	599.57	1.91	1.54	-50.84	-1,826.28	-52.31	1,817.05	1,813.61	3.45	527.433		
700.00	698.70	700.72	700.71	2.29	1.90	-51.24	-1,826.21	-53.23	1,809.29	1,805.11	4.18	432.895		
800.00	797.47	789.05	789.04	2.70	2.22	-51.71	-1,826.31	-54.03	1,799.61	1,794.73	4.89	368.338		
900.00	895.62	885.83	885.81	3.14	2.56	-52.34	-1,826.82	-54.71	1,788.27	1,782.62	5.65	316.749		
1,000.00	993.06	985.53	985.51	3.62	2.92	-53.11	-1,827.29	-55.43	1,774.89	1,768.45	6.44	275.500		
1,100.00	1,089.64	1,080.95	1,080.92	4.14	3.26	-53.98	-1,827.75	-56.25	1,759.64	1,752.39	7.25	242.552		
1,200.00	1,185.27	1,177.54	1,177.51	4.70	3.61	-55.00	-1,828.23	-57.00	1,742.64	1,734.53	8.11	214.949		
1,300.00	1,279.82	1,273.27	1,273.23	5.31	3.95	-56.16	-1,828.62	-57.62	1,723.93	1,714.93	9.00	191.591		
1,400.00	1,373.17	1,365.91	1,365.88	5.98	4.29	-57.43	-1,829.07	-58.37	1,703.81	1,693.88	9.92	171.673		
1,500.00	1,465.22	1,460.22	1,460.18	6.70	4.62	-58.81	-1,829.43	-59.39	1,682.26	1,671.35	10.91	154.194		
1,600.00	1,556.72	1,544.01	1,543.97	7.45	4.92	-59.81	-1,829.94	-60.10	1,660.85	1,648.96	11.89	139.660		
1,700.00	1,648.21	1,626.61	1,626.55	8.21	5.21	-60.85	-1,830.72	-59.47	1,640.60	1,627.71	12.89	127.313		
1,800.00	1,739.71	1,736.00	1,735.90	8.99	5.57	-62.34	-1,831.26	-56.59	1,620.93	1,606.95	13.98	115.962		
1,900.00	1,831.20	1,845.40	1,845.21	9.77	5.93	-63.91	-1,829.89	-52.34	1,600.70	1,585.61	15.09	106.072		
2,000.00	1,922.69	1,921.76	1,921.44	10.56	6.19	-65.08	-1,828.79	-48.03	1,581.63	1,565.51	16.12	98.087		
2,100.00	2,014.19	2,002.43	2,001.87	11.35	6.46	-66.39	-1,827.84	-41.88	1,564.24	1,547.05	17.20	90.970		
2,200.00	2,105.68	2,097.00	2,096.01	12.14	6.78	-68.01	-1,826.41	-33.00	1,548.16	1,529.83	18.33	84.442		
2,300.00	2,197.18	2,180.29	2,178.76	12.94	7.07	-69.50	-1,824.66	-23.80	1,533.33	1,513.87	19.46	78.806		
2,400.00	2,288.67	2,284.75	2,282.46	13.74	7.44	-71.44	-1,821.84	-11.48	1,519.69	1,499.01	20.67	73.511		
2,500.00	2,380.17	2,383.49	2,380.58	14.54	7.80	-73.27	-1,818.47	-1.01	1,506.66	1,484.78	21.88	68.858		
2,600.00	2,471.66	2,454.95	2,451.59	15.35	8.06	-74.61	-1,816.18	6.66	1,495.36	1,472.36	23.00	65.010		
2,700.00	2,563.16	2,556.50	2,552.51	16.15	8.43	-76.53	-1,812.87	17.46	1,485.61	1,461.37	24.24	61.289		
2,800.00	2,654.65	2,633.96	2,629.47	16.96	8.71	-78.02	-1,810.14	25.80	1,477.29	1,451.90	25.39	58.178		
2,900.00	2,746.15	2,734.16	2,728.99	17.76	9.09	-79.97	-1,806.31	36.84	1,470.51	1,443.88	26.63	55.211		
3,000.00	2,837.64	2,795.25	2,789.62	18.57	9.32	-81.18	-1,804.04	43.98	1,465.77	1,438.05	27.72	52.876		
3,100.00	2,929.14	2,879.58	2,873.20	19.38	9.64	-82.88	-1,801.41	54.90	1,463.79	1,434.89	28.90	50.658		
3,191.00	3,012.40	2,963.48	2,956.39	20.12	9.96	-84.56	-1,798.52	65.37	1,463.14	1,433.15	29.99	48.791 CC		
3,200.00	3,020.63	2,971.45	2,964.29	20.19	9.99	-84.72	-1,798.23	66.37	1,463.15	1,433.06	30.09	48.619		
3,300.00	3,112.13	3,062.73	3,054.84	21.00	10.34	-86.54	-1,794.95	77.50	1,464.06	1,432.79	31.28	46.808 ES		
3,400.00	3,203.62	3,152.42	3,143.93	21.81	10.69	-88.30	-1,792.05	87.42	1,466.41	1,433.98	32.44	45.206		
3,500.00	3,295.12	3,239.95	3,230.93	22.63	11.02	-89.99	-1,789.45	96.65	1,470.35	1,436.78	33.57	43.798		
3,600.00	3,386.61	3,346.65	3,336.99	23.44	11.43	-92.04	-1,785.73	107.73	1,475.56	1,440.79	34.77	42.434		
3,700.00	3,478.10	3,425.69	3,415.57	24.25	11.74	-93.56	-1,782.58	115.50	1,481.73	1,445.90	35.83	41.353		
3,800.00	3,569.60	3,502.38	3,491.79	25.06	12.03	-95.02	-1,779.81	123.60	1,490.21	1,453.35	36.85	40.435		
3,900.00	3,661.09	3,583.70	3,572.64	25.88	12.34	-96.54	-1,777.60	132.10	1,500.74	1,462.87	37.87	39.625		
4,000.00	3,752.59	3,672.22	3,660.66	26.69	12.69	-98.16	-1,775.58	141.19	1,512.95	1,474.05	38.91	38.887		
4,100.00	3,844.08	3,764.64	3,752.57	27.50	13.04	-99.84	-1,773.13	150.59	1,526.38	1,486.44	39.94	38.221		
4,200.00	3,935.58	3,841.97	3,829.49	28.32	13.34	-101.21	-1,771.24	158.24	1,541.19	1,500.33	40.86	37.716		
4,300.00	4,027.07	3,909.29	3,896.37	29.13	13.60	-102.41	-1,769.85	165.83	1,558.52	1,516.81	41.70	37.370		
4,400.00	4,118.57	4,002.91	3,989.34	29.95	13.97	-104.05	-1,767.92	176.70	1,577.48	1,534.81	42.67	36.967		
4,500.00	4,210.06	4,100.15	4,085.95	30.76	14.35	-105.71	-1,765.86	187.54	1,597.43	1,553.79	43.64	36.606		
4,600.00	4,301.56	4,209.78	4,195.13	31.58	14.77	-107.46	-1,764.62	197.35	1,617.39	1,572.74	44.66	36.220		
4,700.00	4,393.05	4,317.30	4,302.33	32.39	15.18	-109.11	-1,763.83	205.64	1,637.79	1,592.15	45.64	35.886		
4,800.00	4,484.55	4,454.57	4,439.40	33.21	15.68	-111.09	-1,762.90	212.75	1,657.27	1,610.52	46.75	35.449		
4,900.00	4,576.04	4,561.43	4,546.23	34.02	16.05	-112.54	-1,762.68	215.39	1,675.66	1,627.97	47.69	35.136		
5,000.00	4,667.54	4,657.80	4,642.58	34.84	16.38	-113.81	-1,762.63	217.36	1,694.66	1,646.10	48.57	34.893		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ HEARTLAND C30-79HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 320-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	4,759.03	4,758.30	4,743.07	35.65	16.73	-115.08	-1,762.96	218.35	1,713.71	1,664.26	49.45	34.653		
5,200.00	4,850.53	4,852.51	4,837.27	36.47	17.05	-116.26	-1,762.60	219.45	1,733.43	1,683.14	50.29	34.466		
5,300.00	4,942.02	4,968.35	4,953.08	37.28	17.45	-117.74	-1,760.29	220.67	1,753.29	1,702.09	51.20	34.241		
5,400.00	5,033.51	5,083.38	5,068.05	38.10	17.84	-119.18	-1,756.89	220.28	1,772.38	1,720.30	52.08	34.030		
5,500.00	5,125.01	5,168.51	5,153.16	38.92	18.12	-120.21	-1,754.80	219.42	1,791.85	1,739.02	52.84	33.914		
5,600.00	5,216.50	5,244.35	5,228.98	39.73	18.38	-121.09	-1,753.80	218.86	1,812.62	1,759.08	53.54	33.855		
5,700.00	5,308.00	5,330.22	5,314.85	40.55	18.66	-122.06	-1,753.20	218.58	1,834.58	1,780.30	54.28	33.800		
5,800.00	5,399.49	5,439.98	5,424.60	41.36	19.03	-123.26	-1,752.41	217.88	1,856.89	1,801.78	55.11	33.696		
5,900.00	5,490.99	5,528.42	5,513.05	42.18	19.32	-124.19	-1,752.39	216.85	1,879.48	1,823.65	55.84	33.660		
6,000.00	5,582.48	5,635.98	5,620.59	43.00	19.67	-125.26	-1,753.11	214.96	1,902.29	1,845.64	56.65	33.580		
6,100.00	5,673.98	5,738.17	5,722.72	43.81	20.01	-126.23	-1,754.50	212.00	1,924.71	1,867.27	57.44	33.511		
6,200.00	5,765.47	5,821.62	5,806.12	44.63	20.28	-127.00	-1,755.98	209.65	1,947.76	1,889.62	58.14	33.503 SF		
6,300.00	5,856.97	5,906.44	5,890.90	45.45	20.55	-127.75	-1,757.87	207.63	1,971.73	1,912.89	58.84	33.511		
6,400.00	5,948.46	5,996.37	5,980.79	46.26	20.85	-128.55	-1,759.45	205.75	1,996.30	1,936.74	59.55	33.520		
6,500.00	6,039.96	6,084.81	6,069.21	47.08	21.14	-129.32	-1,760.62	204.16	2,021.46	1,961.21	60.25	33.549		
6,600.00	6,131.45	6,176.25	6,160.63	47.90	21.45	-130.10	-1,762.26	202.56	2,047.15	1,986.18	60.97	33.578		
6,700.00	6,222.95	6,268.66	6,253.01	48.71	21.75	-130.88	-1,763.42	201.02	2,073.22	2,011.55	61.67	33.615		
6,800.00	6,314.44	6,347.50	6,331.64	49.53	22.03	-131.70	-1,758.17	200.89	2,100.03	2,037.77	62.25	33.734		
6,900.00	6,405.93	6,451.74	6,434.56	50.35	22.40	-133.00	-1,741.96	201.92	2,127.52	2,064.67	62.85	33.852		
7,000.00	6,497.01	6,529.14	6,509.61	51.18	22.67	-139.04	-1,723.13	202.68	2,156.35	2,093.07	63.28	34.079		
7,100.00	6,582.62	6,579.29	6,557.48	52.20	22.85	-148.14	-1,708.26	204.22	2,200.54	2,136.92	63.61	34.592		
7,200.00	6,659.25	6,636.08	6,610.55	53.42	23.06	-153.69	-1,688.17	206.37	2,260.92	2,196.98	63.94	35.360		
7,300.00	6,724.59	6,718.03	6,684.75	54.84	23.37	-158.14	-1,653.58	209.43	2,334.98	2,270.72	64.26	36.338		
7,400.00	6,776.64	6,812.78	6,766.17	56.40	23.73	-162.81	-1,605.25	210.89	2,419.16	2,354.69	64.47	37.522		
7,500.00	6,813.82	6,944.59	6,868.60	58.08	24.28	-171.64	-1,522.63	208.62	2,511.00	2,446.50	64.49	38.935		
7,600.00	6,835.01	6,962.62	6,881.25	59.82	24.36	176.90	-1,509.82	207.89	2,608.13	2,543.60	64.52	40.421		
7,700.00	6,840.00	6,967.83	6,884.85	61.57	24.39	110.67	-1,506.06	207.69	2,707.76	2,643.23	64.53	41.961		
7,800.00	6,840.00	6,971.10	6,887.10	63.35	24.40	111.23	-1,503.69	207.56	2,807.65	2,743.12	64.53	43.510		
7,900.00	6,840.00	6,974.32	6,889.31	65.20	24.42	111.75	-1,501.34	207.43	2,907.54	2,843.02	64.53	45.059		
8,000.00	6,840.00	6,977.50	6,891.47	67.10	24.43	112.23	-1,499.02	207.31	3,007.44	2,942.91	64.53	46.607		
8,100.00	6,840.00	6,980.63	6,893.60	69.05	24.45	112.69	-1,496.73	207.19	3,107.34	3,042.81	64.53	48.154		
8,200.00	6,840.00	6,983.72	6,895.69	71.06	24.46	113.11	-1,494.45	207.07	3,207.24	3,142.71	64.53	49.701		
8,300.00	6,840.00	6,986.76	6,897.74	73.11	24.48	113.51	-1,492.20	206.95	3,307.14	3,242.61	64.53	51.247		
8,400.00	6,840.00	6,989.77	6,899.76	75.21	24.49	113.88	-1,489.98	206.84	3,407.05	3,342.51	64.54	52.791		
8,500.00	6,840.00	6,992.73	6,901.74	77.34	24.50	114.23	-1,487.78	206.73	3,506.96	3,442.41	64.54	54.335		
8,600.00	6,840.00	6,995.66	6,903.69	79.51	24.52	114.56	-1,485.60	206.62	3,606.86	3,542.32	64.55	55.878		
8,700.00	6,840.00	6,999.00	6,905.90	81.72	24.53	114.92	-1,483.10	206.50	3,706.78	3,642.22	64.56	57.420		
8,800.00	6,840.00	6,999.00	6,905.90	83.95	24.53	114.92	-1,483.10	206.50	3,806.69	3,742.12	64.57	58.955		
8,900.00	6,840.00	6,999.00	6,905.90	86.22	24.53	114.92	-1,483.10	206.50	3,906.61	3,842.02	64.59	60.488		
9,000.00	6,840.00	7,005.70	6,910.30	88.51	24.57	115.58	-1,478.05	206.25	4,006.52	3,941.93	64.59	62.033		
9,100.00	6,840.00	7,007.97	6,911.78	90.83	24.58	115.78	-1,476.32	206.17	4,106.44	4,041.84	64.60	63.568		
9,200.00	6,840.00	7,010.21	6,913.23	93.16	24.59	115.97	-1,474.62	206.10	4,206.36	4,141.74	64.61	65.101		
9,300.00	6,840.00	7,012.41	6,914.64	95.52	24.60	116.15	-1,472.94	206.02	4,306.28	4,241.65	64.63	66.634		
9,400.00	6,840.00	7,014.56	6,916.02	97.90	24.61	116.32	-1,471.29	205.95	4,406.20	4,341.56	64.64	68.164		
9,500.00	6,840.00	7,016.68	6,917.37	100.30	24.62	116.48	-1,469.65	205.87	4,506.13	4,441.47	64.66	69.694		
9,600.00	6,840.00	7,018.76	6,918.69	102.72	24.63	116.64	-1,468.05	205.80	4,606.05	4,541.38	64.67	71.221		
9,700.00	6,840.00	7,020.81	6,919.98	105.15	24.64	116.78	-1,466.46	205.74	4,705.98	4,641.29	64.69	72.747		
9,800.00	6,840.00	7,022.82	6,921.24	107.59	24.65	116.91	-1,464.90	205.67	4,805.91	4,741.20	64.71	74.272		
9,900.00	6,840.00	7,024.80	6,922.48	110.05	24.66	117.04	-1,463.36	205.61	4,905.84	4,841.12	64.73	75.794		
10,000.00	6,840.00	7,026.74	6,923.69	112.52	24.67	117.16	-1,461.84	205.54	5,005.77	4,941.03	64.75	77.315		
10,100.00	6,840.00	7,028.65	6,924.87	115.00	24.68	117.28	-1,460.34	205.48	5,105.71	5,040.94	64.77	78.834		
10,200.00	6,840.00	7,030.52	6,926.03	117.50	24.69	117.38	-1,458.86	205.42	5,205.64	5,140.86	64.79	80.351		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ HEARTLAND C30-79HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 320-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		
10,300.00	6,840.00	7,032.37	6,927.16	120.00	24.70	117.49	-1,457.41	205.36	5,305.58	5,240.77	64.81	81.866		
10,400.00	6,840.00	7,034.19	6,928.27	122.51	24.71	117.58	-1,455.97	205.31	5,405.52	5,340.69	64.83	83.380		
10,500.00	6,840.00	7,043.00	6,933.58	125.04	24.75	118.00	-1,448.94	205.04	5,505.46	5,440.63	64.83	84.916		
10,600.00	6,840.00	7,043.00	6,933.58	127.57	24.75	118.00	-1,448.94	205.04	5,605.40	5,540.54	64.86	86.420		
10,700.00	6,840.00	7,043.00	6,933.58	130.11	24.75	118.00	-1,448.94	205.04	5,705.34	5,640.45	64.89	87.921		
10,800.00	6,840.00	7,043.00	6,933.58	132.66	24.75	118.00	-1,448.94	205.04	5,805.28	5,740.36	64.92	89.420		
10,900.00	6,840.00	7,043.00	6,933.58	135.21	24.75	118.00	-1,448.94	205.04	5,905.22	5,840.27	64.95	90.916		
11,000.00	6,840.00	7,043.00	6,933.58	137.77	24.75	118.00	-1,448.94	205.04	6,005.16	5,940.18	64.98	92.411		
11,100.00	6,840.00	7,043.00	6,933.58	140.34	24.75	118.00	-1,448.94	205.04	6,105.11	6,040.09	65.02	93.903		
11,200.00	6,840.00	7,049.06	6,937.17	142.91	24.79	118.25	-1,444.06	204.87	6,205.05	6,140.02	65.03	95.414		
11,300.00	6,840.00	7,051.11	6,938.37	145.49	24.80	118.32	-1,442.41	204.81	6,305.00	6,239.94	65.06	96.909		
11,400.00	6,840.00	7,053.13	6,939.55	148.07	24.81	118.39	-1,440.76	204.75	6,404.94	6,339.85	65.09	98.402		
11,500.00	6,840.00	7,055.13	6,940.71	150.66	24.82	118.46	-1,439.13	204.69	6,504.89	6,439.77	65.12	99.893		
11,600.00	6,840.00	7,057.12	6,941.85	153.25	24.83	118.52	-1,437.51	204.64	6,604.84	6,539.69	65.15	101.381		
11,700.00	6,840.00	7,059.08	6,942.98	155.85	24.84	118.58	-1,435.91	204.58	6,704.79	6,639.61	65.18	102.867		
11,800.00	6,840.00	7,061.02	6,944.09	158.45	24.85	118.64	-1,434.32	204.53	6,804.73	6,739.52	65.21	104.350		
11,900.00	6,840.00	7,062.93	6,945.18	161.06	24.86	118.69	-1,432.74	204.47	6,904.68	6,839.44	65.24	105.831		
12,000.00	6,840.00	7,064.83	6,946.25	163.67	24.87	118.74	-1,431.17	204.42	7,004.63	6,939.36	65.28	107.309		
12,100.00	6,840.00	7,066.71	6,947.31	166.28	24.88	118.78	-1,429.62	204.37	7,104.58	7,039.28	65.31	108.785		
12,200.00	6,840.00	7,068.57	6,948.34	168.90	24.89	118.83	-1,428.08	204.32	7,204.54	7,139.19	65.34	110.258		
12,300.00	6,840.00	7,070.41	6,949.37	171.52	24.90	118.87	-1,426.56	204.27	7,304.49	7,239.11	65.38	111.729		
12,400.00	6,840.00	7,072.22	6,950.38	174.15	24.91	118.91	-1,425.04	204.22	7,404.44	7,339.03	65.41	113.197		
12,500.00	6,840.00	7,074.02	6,951.37	176.77	24.92	118.94	-1,423.54	204.17	7,504.39	7,438.94	65.45	114.662		
12,600.00	6,840.00	7,075.80	6,952.34	179.40	24.93	118.98	-1,422.05	204.13	7,604.35	7,538.86	65.48	116.125		
12,700.00	6,840.00	7,077.57	6,953.31	182.04	24.94	119.01	-1,420.58	204.08	7,704.30	7,638.78	65.52	117.585		
12,800.00	6,840.00	7,079.31	6,954.25	184.67	24.95	119.04	-1,419.12	204.04	7,804.25	7,738.69	65.56	119.042		
12,900.00	6,840.00	7,088.00	6,958.90	187.31	25.00	119.15	-1,411.78	203.81	7,904.21	7,838.64	65.58	120.531		
13,000.00	6,840.00	7,088.00	6,958.90	189.95	25.00	119.15	-1,411.78	203.81	8,004.17	7,938.54	65.62	121.974		
13,100.00	6,840.00	7,088.00	6,958.90	192.59	25.00	119.15	-1,411.78	203.81	8,104.12	8,038.45	65.67	123.414		
13,200.00	6,840.00	7,088.00	6,958.90	195.24	25.00	119.15	-1,411.78	203.81	8,204.08	8,138.36	65.71	124.851		
13,300.00	6,840.00	7,088.00	6,958.90	197.88	25.00	119.15	-1,411.78	203.81	8,304.03	8,238.28	65.76	126.285		
13,400.00	6,840.00	7,088.00	6,958.90	200.53	25.00	119.15	-1,411.78	203.81	8,403.99	8,338.19	65.80	127.716		
13,500.00	6,840.00	7,088.00	6,958.90	203.18	25.00	119.15	-1,411.78	203.81	8,503.95	8,438.10	65.85	129.144		
13,600.00	6,840.00	7,088.00	6,958.90	205.83	25.00	119.15	-1,411.78	203.81	8,603.91	8,538.01	65.90	130.569		
13,700.00	6,840.00	7,095.13	6,962.62	208.49	25.04	119.22	-1,405.70	203.64	8,703.86	8,637.94	65.93	132.025		
13,800.00	6,840.00	7,096.94	6,963.55	211.14	25.05	119.23	-1,404.14	203.59	8,803.82	8,737.85	65.97	133.453		
13,900.00	6,840.00	7,098.74	6,964.47	213.80	25.06	119.24	-1,402.60	203.55	8,903.78	8,837.77	66.01	134.877		
14,000.00	6,840.00	7,100.52	6,965.37	216.46	25.07	119.25	-1,401.06	203.50	9,003.74	8,937.68	66.06	136.299		
14,100.00	6,840.00	7,102.29	6,966.26	219.12	25.08	119.26	-1,399.53	203.46	9,103.70	9,037.59	66.10	137.717		
14,200.00	6,840.00	7,104.04	6,967.14	221.78	25.09	119.26	-1,398.02	203.42	9,203.66	9,137.51	66.15	139.132		
14,300.00	6,840.00	7,105.78	6,968.00	224.45	25.10	119.27	-1,396.51	203.38	9,303.62	9,237.42	66.20	140.544		
14,400.00	6,840.00	7,107.51	6,968.85	227.11	25.11	119.27	-1,395.01	203.34	9,403.58	9,337.34	66.24	141.953		
14,500.00	6,840.00	7,109.22	6,969.69	229.78	25.12	119.27	-1,393.51	203.29	9,503.54	9,437.25	66.29	143.359		
14,600.00	6,840.00	7,110.92	6,970.52	232.45	25.13	119.27	-1,392.03	203.25	9,603.50	9,537.16	66.34	144.761		
14,700.00	6,840.00	7,112.60	6,971.33	235.12	25.14	119.26	-1,390.56	203.22	9,703.46	9,637.07	66.39	146.160		
14,800.00	6,840.00	7,114.27	6,972.13	237.79	25.15	119.26	-1,389.09	203.18	9,803.42	9,736.99	66.44	147.556		
14,900.00	6,840.00	7,115.93	6,972.92	240.46	25.16	119.26	-1,387.64	203.14	9,903.39	9,836.90	66.49	148.948		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ HEARTLAND G25-72-1HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 328-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	2.00	-2.00	0.00	0.00	-177.58	-1,825.53	-77.01	1,827.15					
100.00	100.00	98.00	98.00	0.13	0.17	-177.58	-1,825.53	-77.01	1,827.15	1,826.85	0.30	6,060.015		
200.00	200.00	198.00	198.00	0.49	0.34	-177.58	-1,825.53	-77.01	1,827.15	1,826.32	0.83	2,200.134		
300.00	300.00	298.00	298.00	0.85	0.51	-177.58	-1,825.53	-77.01	1,827.15	1,825.79	1.36	1,344.051		
400.00	399.98	396.91	396.91	1.20	0.80	-49.59	-1,825.55	-77.02	1,826.04	1,824.05	2.00	914.424		
500.00	499.84	495.24	495.24	1.55	1.14	-49.76	-1,825.65	-77.09	1,822.75	1,820.07	2.69	678.623		
600.00	599.45	593.35	593.35	1.91	1.48	-50.05	-1,825.82	-77.20	1,817.31	1,813.92	3.39	536.527		
700.00	698.70	691.13	691.13	2.29	1.82	-50.45	-1,826.08	-77.37	1,809.75	1,805.65	4.10	441.265		
800.00	797.47	781.21	781.21	2.70	2.13	-50.93	-1,826.58	-77.85	1,800.34	1,795.54	4.80	374.787		
900.00	895.62	879.27	879.26	3.14	2.48	-51.55	-1,827.38	-78.70	1,789.09	1,783.53	5.56	321.839		
1,000.00	993.06	977.87	977.85	3.62	2.82	-52.30	-1,828.13	-79.46	1,775.77	1,769.43	6.34	279.990		
1,100.00	1,089.64	1,069.75	1,069.73	4.14	3.15	-53.14	-1,828.95	-80.25	1,760.65	1,753.51	7.14	246.742		
1,200.00	1,185.27	1,162.58	1,162.54	4.70	3.48	-54.11	-1,830.02	-81.26	1,743.96	1,736.00	7.97	218.886		
1,300.00	1,279.82	1,292.87	1,292.83	5.31	3.93	-55.57	-1,830.24	-82.17	1,724.66	1,715.70	8.96	192.427		
1,400.00	1,373.17	1,399.04	1,398.99	5.98	4.30	-57.03	-1,828.66	-82.13	1,702.30	1,692.38	9.92	171.637		
1,500.00	1,465.22	1,487.81	1,487.75	6.70	4.60	-58.43	-1,827.28	-81.98	1,678.62	1,667.75	10.87	154.469		
1,600.00	1,556.72	1,575.68	1,575.61	7.45	4.90	-59.52	-1,826.06	-81.82	1,655.03	1,643.18	11.85	139.673		
1,700.00	1,648.21	1,663.18	1,663.10	8.21	5.21	-60.62	-1,825.05	-81.77	1,632.34	1,619.48	12.86	126.955		
1,800.00	1,739.71	1,755.58	1,755.49	8.99	5.53	-61.80	-1,824.16	-81.85	1,610.54	1,596.63	13.90	115.828		
1,900.00	1,831.20	1,860.44	1,860.35	9.77	5.90	-63.17	-1,822.59	-82.24	1,588.96	1,573.95	15.01	105.848		
2,000.00	1,922.69	1,951.09	1,950.97	10.56	6.21	-64.38	-1,820.67	-82.78	1,567.57	1,551.48	16.09	97.414		
2,100.00	2,014.19	2,025.45	2,025.32	11.35	6.47	-65.40	-1,819.67	-83.04	1,547.70	1,530.57	17.14	90.306		
2,200.00	2,105.68	2,100.06	2,099.93	12.14	6.73	-66.44	-1,819.44	-83.04	1,529.67	1,511.47	18.20	84.047		
2,300.00	2,197.18	2,190.47	2,190.34	12.94	7.05	-67.73	-1,819.69	-82.85	1,513.08	1,493.75	19.32	78.297		
2,400.00	2,288.67	2,282.00	2,281.87	13.74	7.37	-69.06	-1,819.94	-82.65	1,497.39	1,476.92	20.47	73.166		
2,500.00	2,380.17	2,377.04	2,376.92	14.54	7.70	-70.46	-1,820.11	-82.53	1,482.52	1,460.89	21.63	68.540		
2,600.00	2,471.66	2,472.23	2,472.10	15.35	8.03	-71.89	-1,820.08	-82.58	1,468.39	1,445.58	22.80	64.391		
2,700.00	2,563.16	2,562.71	2,562.58	16.15	8.35	-73.27	-1,819.89	-82.36	1,455.16	1,431.19	23.97	60.699		
2,800.00	2,654.65	2,653.17	2,653.04	16.96	8.66	-74.70	-1,819.53	-81.58	1,443.02	1,417.87	25.15	57.376		
2,900.00	2,746.15	2,744.98	2,744.84	17.76	8.98	-76.18	-1,819.08	-80.55	1,431.96	1,405.62	26.34	54.370		
3,000.00	2,837.64	2,836.77	2,836.63	18.57	9.30	-77.68	-1,818.58	-79.55	1,421.97	1,394.44	27.53	51.656		
3,100.00	2,929.14	2,926.07	2,925.92	19.38	9.62	-79.15	-1,818.20	-78.70	1,413.17	1,384.45	28.71	49.219		
3,200.00	3,020.63	3,016.09	3,015.94	20.19	9.93	-80.63	-1,818.00	-78.02	1,405.60	1,375.71	29.90	47.014		
3,300.00	3,112.13	3,107.41	3,107.25	21.00	10.25	-82.15	-1,817.89	-77.44	1,399.23	1,368.14	31.08	45.013		
3,400.00	3,203.62	3,198.81	3,198.65	21.81	10.58	-83.67	-1,817.82	-76.94	1,394.02	1,361.75	32.27	43.201		
3,500.00	3,295.12	3,289.33	3,289.17	22.63	10.90	-85.19	-1,817.63	-76.22	1,390.01	1,356.57	33.44	41.563		
3,600.00	3,386.61	3,379.59	3,379.43	23.44	11.21	-86.73	-1,817.27	-75.15	1,387.26	1,352.65	34.61	40.083		
3,700.00	3,478.10	3,468.52	3,468.35	24.25	11.53	-88.25	-1,817.07	-74.13	1,385.85	1,350.09	35.76	38.754		
3,755.09	3,528.51	3,517.76	3,517.58	24.70	11.70	-89.09	-1,817.08	-73.65	1,385.65	1,349.26	36.39	38.078 CC		
3,800.00	3,569.60	3,561.31	3,561.13	25.06	11.85	-89.82	-1,817.15	-73.29	1,385.76	1,348.85	36.91	37.542		
3,900.00	3,661.09	3,671.27	3,671.09	25.88	12.24	-91.66	-1,816.91	-73.33	1,386.12	1,348.01	38.11	36.372		
4,000.00	3,752.59	3,770.53	3,770.34	26.69	12.58	-93.30	-1,816.21	-74.53	1,386.61	1,347.36	39.25	35.326 ES		
4,100.00	3,844.08	3,860.34	3,860.14	27.50	12.89	-94.75	-1,815.95	-76.06	1,388.22	1,347.87	40.35	34.408		
4,200.00	3,935.58	3,949.24	3,949.02	28.32	13.20	-96.18	-1,816.09	-77.79	1,391.08	1,349.66	41.42	33.584		
4,300.00	4,027.07	4,036.61	4,036.38	29.13	13.50	-97.59	-1,816.10	-78.98	1,395.31	1,352.83	42.47	32.852		
4,400.00	4,118.57	4,123.10	4,122.87	29.95	13.80	-98.99	-1,815.95	-79.60	1,400.96	1,357.46	43.50	32.206		
4,500.00	4,210.06	4,209.04	4,208.81	30.76	14.10	-100.38	-1,815.99	-79.92	1,408.09	1,363.58	44.50	31.640		
4,600.00	4,301.56	4,295.90	4,295.66	31.58	14.40	-101.77	-1,816.26	-80.00	1,416.67	1,371.18	45.49	31.142		
4,700.00	4,393.05	4,384.32	4,384.09	32.39	14.71	-103.17	-1,816.77	-79.97	1,426.57	1,380.10	46.46	30.704		
4,800.00	4,484.55	4,474.74	4,474.51	33.21	15.02	-104.58	-1,817.49	-79.87	1,437.69	1,390.27	47.42	30.316		
4,900.00	4,576.04	4,568.63	4,568.39	34.02	15.35	-106.02	-1,818.23	-79.84	1,449.76	1,401.38	48.38	29.966		
5,000.00	4,667.54	4,665.00	4,664.76	34.84	15.69	-107.47	-1,818.90	-79.98	1,462.65	1,413.32	49.33	29.652		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ HEARTLAND G25-72-1HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 328-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	4,759.03	4,764.68	4,764.44	35.65	16.03	-108.94	-1,819.48	-80.61	1,476.06	1,425.79	50.27	29.362		
5,200.00	4,850.53	4,861.10	4,860.85	36.47	16.37	-110.35	-1,819.72	-81.55	1,489.98	1,438.80	51.18	29.112		
5,300.00	4,942.02	4,954.71	4,954.45	37.28	16.70	-111.73	-1,818.84	-82.02	1,504.66	1,452.61	52.05	28.908		
5,400.00	5,033.51	5,039.92	5,039.65	38.10	16.99	-113.00	-1,817.44	-82.08	1,520.35	1,467.49	52.86	28.762		
5,500.00	5,125.01	5,122.34	5,122.07	38.92	17.28	-114.18	-1,816.75	-81.95	1,537.49	1,483.85	53.64	28.664		
5,600.00	5,216.50	5,213.82	5,213.55	39.73	17.60	-115.45	-1,816.52	-81.65	1,555.87	1,501.43	54.44	28.578		
5,700.00	5,308.00	5,312.24	5,311.96	40.55	17.95	-116.82	-1,815.36	-81.31	1,574.78	1,519.52	55.26	28.498		
5,800.00	5,399.49	5,407.26	5,406.96	41.36	18.28	-118.14	-1,813.56	-81.09	1,594.19	1,538.15	56.04	28.448		
5,900.00	5,490.99	5,501.55	5,501.24	42.18	18.61	-119.40	-1,812.17	-81.23	1,614.25	1,557.45	56.80	28.419		
6,000.00	5,582.48	5,597.44	5,597.12	43.00	18.94	-120.62	-1,811.44	-81.87	1,634.88	1,577.31	57.57	28.400		
6,100.00	5,673.98	5,694.62	5,694.30	43.81	19.28	-121.79	-1,811.86	-83.21	1,655.93	1,597.60	58.33	28.387 SF		
6,200.00	5,765.47	5,774.70	5,774.36	44.63	19.56	-122.71	-1,812.72	-84.35	1,677.78	1,618.78	59.01	28.433		
6,300.00	5,856.97	5,853.52	5,853.18	45.45	19.83	-123.61	-1,813.56	-84.82	1,700.96	1,641.30	59.66	28.512		
6,400.00	5,948.46	5,938.00	5,937.65	46.26	20.13	-124.56	-1,814.35	-84.72	1,725.32	1,665.00	60.32	28.601		
6,500.00	6,039.96	6,024.95	6,024.60	47.08	20.43	-125.53	-1,814.78	-84.26	1,750.53	1,689.54	60.99	28.702		
6,600.00	6,131.45	6,115.99	6,115.64	47.90	20.75	-126.54	-1,814.43	-83.41	1,776.47	1,714.81	61.66	28.809		
6,700.00	6,222.95	6,208.42	6,208.02	48.71	21.07	-127.62	-1,811.91	-82.17	1,802.93	1,740.61	62.31	28.934		
6,800.00	6,314.44	6,301.28	6,300.64	49.53	21.40	-128.78	-1,805.74	-80.22	1,830.03	1,767.11	62.92	29.087		
6,900.00	6,405.93	6,393.51	6,392.00	50.35	21.72	-130.09	-1,793.43	-77.80	1,857.35	1,793.91	63.44	29.279		
7,000.00	6,497.01	6,463.39	6,460.49	51.18	21.97	-136.03	-1,779.97	-74.88	1,887.44	1,823.65	63.80	29.586		
7,100.00	6,582.62	6,538.49	6,532.61	52.20	22.24	-145.48	-1,759.55	-70.75	1,931.95	1,867.82	64.14	30.122		
7,200.00	6,659.25	6,745.01	6,716.07	53.42	23.02	-155.11	-1,666.67	-62.52	1,991.61	1,927.17	64.44	30.906		
7,300.00	6,724.59	6,776.00	6,740.99	54.84	23.14	-158.73	-1,648.25	-62.30	2,062.96	1,998.39	64.57	31.947		
7,400.00	6,776.64	6,800.03	6,759.67	56.40	23.24	-161.11	-1,633.14	-62.00	2,146.60	2,081.94	64.66	33.199		
7,500.00	6,813.82	6,811.74	6,768.55	58.08	23.29	-162.19	-1,625.51	-61.78	2,239.13	2,174.42	64.71	34.602		
7,600.00	6,835.01	6,821.00	6,775.46	59.82	23.33	-161.82	-1,619.34	-61.58	2,337.00	2,272.27	64.73	36.101		
7,700.00	6,840.00	6,821.00	6,775.46	61.57	23.33	3.93	-1,619.34	-61.58	2,436.87	2,372.11	64.75	37.632		
7,800.00	6,840.00	6,821.00	6,775.46	63.35	23.33	3.93	-1,619.34	-61.58	2,536.84	2,472.06	64.77	39.166		
7,900.00	6,840.00	6,821.00	6,775.46	65.20	23.33	3.93	-1,619.34	-61.58	2,636.81	2,572.02	64.79	40.698		
8,000.00	6,840.00	6,821.00	6,775.46	67.10	23.33	3.93	-1,619.34	-61.58	2,736.78	2,671.97	64.81	42.229		
8,100.00	6,840.00	6,821.00	6,775.46	69.05	23.33	3.93	-1,619.34	-61.58	2,836.75	2,771.93	64.83	43.759		
8,200.00	6,840.00	6,821.00	6,775.46	71.06	23.33	3.93	-1,619.34	-61.58	2,936.73	2,871.88	64.85	45.288		
8,300.00	6,840.00	6,821.00	6,775.46	73.11	23.33	3.93	-1,619.34	-61.58	3,036.71	2,971.84	64.86	46.816		
8,400.00	6,840.00	6,821.00	6,775.46	75.21	23.33	3.93	-1,619.34	-61.58	3,136.69	3,071.80	64.88	48.343		
8,500.00	6,840.00	6,810.71	6,767.77	77.34	23.29	-2.08	-1,626.19	-61.81	3,236.63	3,171.70	64.93	49.849		
8,600.00	6,840.00	6,809.92	6,767.18	79.51	23.28	-2.47	-1,626.70	-61.82	3,336.61	3,271.66	64.95	51.371		
8,700.00	6,840.00	6,809.17	6,766.61	81.72	23.28	-2.85	-1,627.20	-61.84	3,436.59	3,371.61	64.98	52.891		
8,800.00	6,840.00	6,808.43	6,766.05	83.95	23.28	-3.21	-1,627.68	-61.85	3,536.57	3,471.57	65.00	54.409		
8,900.00	6,840.00	6,807.72	6,765.51	86.22	23.28	-3.56	-1,628.15	-61.86	3,636.55	3,571.52	65.02	55.926		
9,000.00	6,840.00	6,807.02	6,764.99	88.51	23.27	-3.89	-1,628.60	-61.88	3,736.53	3,671.48	65.05	57.442		
9,100.00	6,840.00	6,806.35	6,764.48	90.83	23.27	-4.20	-1,629.05	-61.89	3,836.51	3,771.43	65.07	58.956		
9,200.00	6,840.00	6,805.69	6,763.98	93.16	23.27	-4.51	-1,629.47	-61.90	3,936.49	3,871.39	65.10	60.468		
9,300.00	6,840.00	6,805.05	6,763.50	95.52	23.26	-4.79	-1,629.89	-61.91	4,036.47	3,971.35	65.13	61.979		
9,400.00	6,840.00	6,804.43	6,763.02	97.90	23.26	-5.07	-1,630.29	-61.93	4,136.46	4,071.30	65.15	63.488		
9,500.00	6,840.00	6,803.82	6,762.56	100.30	23.26	-5.34	-1,630.69	-61.94	4,236.44	4,171.26	65.18	64.996		
9,600.00	6,840.00	6,803.23	6,762.12	102.72	23.26	-5.59	-1,631.07	-61.95	4,336.42	4,271.22	65.21	66.501		
9,700.00	6,840.00	6,802.66	6,761.68	105.15	23.25	-5.84	-1,631.44	-61.96	4,436.41	4,371.17	65.24	68.005		
9,800.00	6,840.00	6,802.10	6,761.25	107.59	23.25	-6.07	-1,631.80	-61.97	4,536.39	4,471.13	65.27	69.507		
9,900.00	6,840.00	6,801.56	6,760.84	110.05	23.25	-6.30	-1,632.16	-61.98	4,636.38	4,571.09	65.29	71.007		
10,000.00	6,840.00	6,801.02	6,760.43	112.52	23.25	-6.52	-1,632.50	-61.98	4,736.37	4,671.04	65.32	72.506		
10,100.00	6,840.00	6,800.51	6,760.04	115.00	23.24	-6.73	-1,632.84	-61.99	4,836.35	4,771.00	65.35	74.002		
10,200.00	6,840.00	6,800.00	6,759.65	117.50	23.24	-6.93	-1,633.16	-62.00	4,936.34	4,870.95	65.38	75.497		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ HEARTLAND G25-72-1HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 328-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		
10,300.00	6,840.00	6,799.50	6,759.27	120.00	23.24	-7.12	-1,633.48	-62.01	5,036.33	4,970.91	65.42	76.989		
10,400.00	6,840.00	6,799.02	6,758.90	122.51	23.24	-7.31	-1,633.79	-62.02	5,136.31	5,070.87	65.45	78.480		
10,500.00	6,840.00	6,798.55	6,758.54	125.04	23.24	-7.49	-1,634.09	-62.03	5,236.30	5,170.82	65.48	79.969		
10,600.00	6,840.00	6,798.09	6,758.19	127.57	23.23	-7.67	-1,634.39	-62.03	5,336.29	5,270.78	65.51	81.455		
10,700.00	6,840.00	6,797.64	6,757.84	130.11	23.23	-7.84	-1,634.68	-62.04	5,436.28	5,370.73	65.55	82.940		
10,800.00	6,840.00	6,797.20	6,757.51	132.66	23.23	-8.00	-1,634.96	-62.05	5,536.27	5,470.69	65.58	84.422		
10,900.00	6,840.00	6,796.77	6,757.18	135.21	23.23	-8.16	-1,635.23	-62.05	5,636.26	5,570.65	65.61	85.902		
11,000.00	6,840.00	6,796.35	6,756.85	137.77	23.23	-8.32	-1,635.50	-62.06	5,736.25	5,670.60	65.65	87.380		
11,100.00	6,840.00	6,795.94	6,756.54	140.34	23.23	-8.47	-1,635.77	-62.07	5,836.24	5,770.56	65.68	88.856		
11,200.00	6,840.00	6,795.54	6,756.23	142.91	23.22	-8.61	-1,636.02	-62.07	5,936.23	5,870.51	65.72	90.330		
11,300.00	6,840.00	6,795.15	6,755.93	145.49	23.22	-8.75	-1,636.27	-62.08	6,036.22	5,970.47	65.75	91.801		
11,400.00	6,840.00	6,794.76	6,755.63	148.07	23.22	-8.89	-1,636.52	-62.08	6,136.21	6,070.42	65.79	93.270		
11,500.00	6,840.00	6,794.38	6,755.34	150.66	23.22	-9.02	-1,636.76	-62.09	6,236.20	6,170.37	65.83	94.737		
11,600.00	6,840.00	6,794.01	6,755.05	153.25	23.22	-9.15	-1,637.00	-62.09	6,336.19	6,270.33	65.86	96.201		
11,700.00	6,840.00	6,507.00	6,502.62	155.85	22.13	-23.43	-1,768.96	-72.57	6,436.19	6,370.10	66.08	97.393		
11,800.00	6,840.00	6,507.00	6,502.62	158.45	22.13	-23.43	-1,768.96	-72.57	6,536.03	6,469.90	66.13	98.842		
11,900.00	6,840.00	6,507.00	6,502.62	161.06	22.13	-23.43	-1,768.96	-72.57	6,635.87	6,569.70	66.17	100.288		
12,000.00	6,840.00	6,507.00	6,502.62	163.67	22.13	-23.43	-1,768.96	-72.57	6,735.72	6,669.51	66.21	101.733		
12,100.00	6,840.00	6,507.00	6,502.62	166.28	22.13	-23.43	-1,768.96	-72.57	6,835.58	6,769.33	66.25	103.174		
12,200.00	6,840.00	6,497.56	6,493.55	168.90	22.09	-23.24	-1,771.52	-73.10	6,935.42	6,869.15	66.28	104.642		
12,300.00	6,840.00	6,494.86	6,490.95	171.52	22.08	-23.19	-1,772.24	-73.24	7,035.28	6,968.96	66.32	106.087		
12,400.00	6,840.00	6,492.19	6,488.38	174.15	22.07	-23.13	-1,772.93	-73.39	7,135.14	7,068.78	66.35	107.531		
12,500.00	6,840.00	6,489.57	6,485.85	176.77	22.06	-23.08	-1,773.61	-73.53	7,234.99	7,168.60	66.39	108.972		
12,600.00	6,840.00	6,486.98	6,483.35	179.40	22.05	-23.02	-1,774.28	-73.67	7,334.86	7,268.42	66.43	110.411		
12,700.00	6,840.00	6,484.43	6,480.89	182.04	22.05	-22.97	-1,774.92	-73.80	7,434.72	7,368.25	66.47	111.848		
12,800.00	6,840.00	6,481.92	6,478.46	184.67	22.04	-22.91	-1,775.55	-73.94	7,534.58	7,468.07	66.51	113.282		
12,900.00	6,840.00	6,479.44	6,476.06	187.31	22.03	-22.86	-1,776.16	-74.07	7,634.45	7,567.90	66.55	114.714		
13,000.00	6,840.00	6,477.00	6,473.70	189.95	22.02	-22.81	-1,776.76	-74.19	7,734.32	7,667.73	66.59	116.144		
13,100.00	6,840.00	6,474.60	6,471.37	192.59	22.01	-22.75	-1,777.34	-74.32	7,834.19	7,767.56	66.63	117.571		
13,200.00	6,840.00	6,472.22	6,469.07	195.24	22.00	-22.70	-1,777.91	-74.44	7,934.06	7,867.39	66.67	118.996		
13,300.00	6,840.00	6,462.00	6,459.14	197.88	21.97	-22.47	-1,780.28	-74.95	8,033.94	7,967.24	66.70	120.452		
13,400.00	6,840.00	6,462.00	6,459.14	200.53	21.97	-22.47	-1,780.28	-74.95	8,133.81	8,067.07	66.75	121.863		
13,500.00	6,840.00	6,462.00	6,459.14	203.18	21.97	-22.47	-1,780.28	-74.95	8,233.69	8,166.89	66.79	123.270		
13,600.00	6,840.00	6,462.00	6,459.14	205.83	21.97	-22.47	-1,780.28	-74.95	8,333.57	8,266.72	66.84	124.676		
13,700.00	6,840.00	6,462.00	6,459.14	208.49	21.97	-22.47	-1,780.28	-74.95	8,433.45	8,366.56	66.89	126.078		
13,800.00	6,840.00	6,462.00	6,459.14	211.14	21.97	-22.47	-1,780.28	-74.95	8,533.33	8,466.39	66.94	127.478		
13,900.00	6,840.00	6,462.00	6,459.14	213.80	21.97	-22.47	-1,780.28	-74.95	8,633.22	8,566.23	66.99	128.875		
14,000.00	6,840.00	7,354.00	6,990.01	216.46	26.60	107.59	-1,143.92	-76.78	8,733.06	8,667.81	65.26	133.829		
14,100.00	6,840.00	7,354.00	6,990.01	219.12	26.60	107.59	-1,143.92	-76.78	8,832.90	8,767.59	65.31	135.245		
14,200.00	6,840.00	7,354.00	6,990.01	221.78	26.60	107.59	-1,143.92	-76.78	8,932.74	8,867.37	65.37	136.657		
14,300.00	6,840.00	7,354.00	6,990.01	224.45	26.60	107.59	-1,143.92	-76.78	9,032.58	8,967.16	65.42	138.066		
14,400.00	6,840.00	7,354.00	6,990.01	227.11	26.60	107.59	-1,143.92	-76.78	9,132.43	9,066.95	65.48	139.471		
14,500.00	6,840.00	7,354.00	6,990.01	229.78	26.60	107.59	-1,143.92	-76.78	9,232.28	9,166.74	65.54	140.873		
14,600.00	6,840.00	7,354.00	6,990.01	232.45	26.60	107.59	-1,143.92	-76.78	9,332.13	9,266.54	65.59	142.271		
14,700.00	6,840.00	7,354.00	6,990.01	235.12	26.60	107.59	-1,143.92	-76.78	9,431.99	9,366.34	65.65	143.666		
14,800.00	6,840.00	7,354.00	6,990.01	237.79	26.60	107.59	-1,143.92	-76.78	9,531.85	9,466.14	65.71	145.058		
14,900.00	6,840.00	7,354.00	6,990.01	240.46	26.60	107.59	-1,143.92	-76.78	9,631.71	9,565.94	65.77	146.445		
15,000.00	6,840.00	7,354.00	6,990.01	243.13	26.60	107.59	-1,143.92	-76.78	9,731.57	9,665.74	65.83	147.830		
15,100.00	6,840.00	7,354.00	6,990.01	245.80	26.60	107.59	-1,143.92	-76.78	9,831.44	9,765.55	65.89	149.210		
15,200.00	6,840.00	7,354.00	6,990.01	248.48	26.60	107.59	-1,143.92	-76.78	9,931.31	9,865.36	65.95	150.587		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ HEARTLAND G25-73-1HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 351-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	-166.02	-1,822.61	-453.70	1,878.25					
100.00	100.00	86.27	86.27	0.13	0.15	-166.02	-1,822.71	-453.75	1,878.35	1,878.06	0.28	6,655.540		
200.00	200.00	181.07	181.07	0.49	0.31	-166.02	-1,823.05	-453.91	1,878.74	1,877.93	0.80	2,339.904		
300.00	300.00	275.86	275.86	0.85	0.47	-166.01	-1,823.63	-454.19	1,879.40	1,878.08	1.32	1,419.939		
400.00	399.98	371.51	371.50	1.20	0.68	-37.99	-1,824.46	-454.59	1,878.97	1,877.10	1.87	1,003.769		
500.00	499.84	470.36	470.35	1.55	1.03	-38.12	-1,825.45	-454.99	1,875.91	1,873.34	2.57	729.190		
600.00	599.45	569.00	568.98	1.91	1.38	-38.36	-1,826.51	-455.31	1,870.17	1,866.89	3.28	569.484		
700.00	698.70	667.30	667.27	2.29	1.74	-38.69	-1,827.64	-455.56	1,861.79	1,857.78	4.01	464.837		
800.00	797.47	763.56	763.53	2.70	2.08	-39.13	-1,828.83	-455.82	1,850.82	1,846.09	4.73	391.125		
900.00	895.62	859.46	859.42	3.14	2.43	-39.67	-1,830.21	-455.86	1,837.38	1,831.91	5.47	335.820		
1,000.00	993.06	992.17	992.11	3.62	2.89	-40.55	-1,831.23	-454.51	1,820.52	1,814.17	6.35	286.849		
1,100.00	1,089.64	1,097.59	1,097.53	4.14	3.24	-41.44	-1,830.73	-453.30	1,799.99	1,792.85	7.14	252.107		
1,200.00	1,185.27	1,198.96	1,198.88	4.70	3.58	-42.45	-1,829.84	-451.90	1,776.69	1,768.75	7.95	223.570		
1,300.00	1,279.82	1,296.31	1,296.21	5.31	3.91	-43.57	-1,828.74	-450.62	1,750.92	1,742.15	8.77	199.562		
1,400.00	1,373.17	1,393.44	1,393.33	5.98	4.25	-44.84	-1,827.39	-449.60	1,722.85	1,713.22	9.64	178.780		
1,500.00	1,465.22	1,490.85	1,490.72	6.70	4.58	-46.22	-1,825.63	-449.03	1,692.50	1,681.96	10.54	160.518		
1,600.00	1,556.72	1,580.08	1,579.93	7.45	4.89	-47.17	-1,823.84	-448.29	1,661.46	1,650.01	11.45	145.076		
1,700.00	1,648.21	1,661.10	1,660.94	8.21	5.17	-48.08	-1,822.62	-447.38	1,631.33	1,618.97	12.36	131.957		
1,800.00	1,739.71	1,744.92	1,744.75	8.99	5.46	-48.99	-1,821.65	-448.19	1,602.23	1,588.93	13.30	120.450		
1,900.00	1,831.20	1,839.32	1,839.11	9.77	5.78	-50.00	-1,820.58	-450.29	1,573.75	1,559.46	14.29	110.117		
2,000.00	1,922.69	1,937.96	1,937.71	10.56	6.13	-51.09	-1,819.00	-452.60	1,545.31	1,530.00	15.31	100.909		
2,100.00	2,014.19	2,020.93	2,020.65	11.35	6.42	-52.03	-1,817.81	-454.62	1,517.56	1,501.25	16.31	93.034		
2,200.00	2,105.68	2,103.48	2,103.18	12.14	6.70	-53.01	-1,817.15	-456.47	1,490.89	1,473.56	17.33	86.033		
2,300.00	2,197.18	2,182.91	2,182.60	12.94	6.98	-54.00	-1,817.10	-457.63	1,465.48	1,447.13	18.36	79.824		
2,400.00	2,288.67	2,279.10	2,278.79	13.74	7.32	-55.26	-1,817.40	-458.19	1,441.06	1,421.60	19.46	74.058		
2,500.00	2,380.17	2,380.00	2,379.68	14.54	7.67	-56.64	-1,817.15	-458.55	1,416.81	1,396.22	20.59	68.810		
2,600.00	2,471.66	2,494.74	2,494.39	15.35	8.07	-58.21	-1,815.55	-460.60	1,392.18	1,370.41	21.77	63.948		
2,700.00	2,563.16	2,601.16	2,600.69	16.15	8.45	-59.63	-1,812.82	-464.73	1,367.03	1,344.10	22.94	59.603		
2,800.00	2,654.65	2,713.17	2,712.46	16.96	8.85	-61.11	-1,808.84	-471.04	1,341.51	1,317.39	24.12	55.620		
2,900.00	2,746.15	2,816.39	2,815.23	17.76	9.22	-62.43	-1,803.85	-479.15	1,315.15	1,289.86	25.29	52.002		
3,000.00	2,837.64	2,903.38	2,901.71	18.57	9.53	-63.51	-1,799.86	-487.66	1,289.38	1,262.93	26.45	48.756		
3,100.00	2,929.14	2,985.05	2,982.83	19.38	9.83	-64.52	-1,796.84	-496.61	1,264.79	1,237.19	27.61	45.817		
3,200.00	3,020.63	3,075.17	3,072.25	20.19	10.17	-65.61	-1,794.50	-507.56	1,241.54	1,212.75	28.79	43.125		
3,300.00	3,112.13	3,195.19	3,191.17	21.00	10.62	-67.07	-1,790.53	-523.21	1,218.03	1,188.01	30.02	40.575		
3,400.00	3,203.62	3,279.61	3,274.62	21.81	10.94	-68.09	-1,787.06	-535.56	1,193.92	1,162.70	31.22	38.241		
3,500.00	3,295.12	3,352.11	3,346.40	22.63	11.22	-69.01	-1,784.98	-545.51	1,171.65	1,139.22	32.42	36.135		
3,600.00	3,386.61	3,439.11	3,432.82	23.44	11.55	-70.24	-1,783.47	-555.37	1,151.50	1,117.84	33.66	34.210		
3,700.00	3,478.10	3,555.74	3,548.76	24.25	11.99	-72.00	-1,780.09	-567.58	1,131.28	1,096.34	34.94	32.378		
3,800.00	3,569.60	3,666.04	3,658.13	25.06	12.42	-73.68	-1,775.17	-581.00	1,109.87	1,073.67	36.21	30.654		
3,900.00	3,661.09	3,738.06	3,729.56	25.88	12.70	-74.80	-1,772.32	-589.78	1,089.60	1,052.13	37.46	29.083		
4,000.00	3,752.59	3,818.03	3,808.96	26.69	13.01	-76.09	-1,770.17	-598.96	1,071.49	1,032.77	38.73	27.668		
4,100.00	3,844.08	3,906.58	3,896.97	27.50	13.35	-77.57	-1,768.49	-608.61	1,055.12	1,015.12	40.00	26.380		
4,200.00	3,935.58	4,013.98	4,003.76	28.32	13.76	-79.47	-1,765.76	-619.67	1,039.32	998.03	41.28	25.175		
4,300.00	4,027.07	4,121.00	4,110.08	29.13	14.18	-81.42	-1,761.53	-631.19	1,023.08	980.52	42.56	24.039		
4,400.00	4,118.57	4,217.92	4,206.22	29.95	14.56	-83.21	-1,757.18	-642.65	1,006.95	963.13	43.82	22.978		
4,500.00	4,210.06	4,302.98	4,290.62	30.76	14.90	-84.83	-1,753.63	-652.53	992.20	947.13	45.08	22.011		
4,600.00	4,301.56	4,386.52	4,373.62	31.58	15.22	-86.47	-1,750.66	-661.55	979.43	933.12	46.31	21.147		
4,700.00	4,393.05	4,472.17	4,458.78	32.39	15.56	-88.18	-1,748.34	-670.45	968.66	921.13	47.53	20.379		
4,800.00	4,484.55	4,562.08	4,548.21	33.21	15.91	-90.00	-1,746.32	-679.51	959.61	910.89	48.73	19.693		
4,900.00	4,576.04	4,652.24	4,637.91	34.02	16.25	-91.87	-1,744.48	-688.33	952.08	902.18	49.90	19.081		
5,000.00	4,667.54	4,735.28	4,720.58	34.84	16.57	-93.59	-1,743.37	-696.15	946.52	895.49	51.02	18.550		
5,100.00	4,759.03	4,813.09	4,798.10	35.65	16.87	-95.22	-1,743.26	-702.86	943.54	891.43	52.10	18.110		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ HEARTLAND G25-73-1HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 351-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		
5,178.93	4,831.25	4,881.46	4,866.24	36.30	17.13	-96.64	-1,743.87	-708.31	942.96	890.02	52.94	17.813	CC	
5,200.00	4,850.53	4,900.01	4,884.73	36.47	17.20	-97.02	-1,744.10	-709.78	943.00	889.84	53.15	17.741	ES	
5,300.00	4,942.02	4,991.72	4,976.18	37.28	17.54	-98.94	-1,745.17	-716.67	944.13	889.95	54.18	17.425		
5,400.00	5,033.51	5,075.70	5,059.99	38.10	17.85	-100.74	-1,745.74	-721.96	947.07	891.93	55.14	17.177		
5,500.00	5,125.01	5,166.72	5,150.91	38.92	18.18	-102.76	-1,745.73	-726.28	952.05	895.99	56.06	16.983		
5,600.00	5,216.50	5,238.22	5,222.37	39.73	18.43	-104.38	-1,745.45	-728.61	959.38	902.54	56.84	16.879		
5,700.00	5,308.00	5,308.58	5,292.72	40.55	18.67	-105.95	-1,746.33	-729.56	970.41	912.88	57.53	16.867	SF	
5,800.00	5,399.49	5,383.65	5,367.76	41.36	18.92	-107.59	-1,748.06	-729.25	984.72	926.54	58.18	16.925		
5,900.00	5,490.99	5,468.51	5,452.57	42.18	19.19	-109.41	-1,750.61	-728.06	1,001.51	942.66	58.85	17.018		
6,000.00	5,582.48	5,561.78	5,545.81	43.00	19.49	-111.44	-1,752.01	-725.95	1,019.62	960.09	59.53	17.129		
6,100.00	5,673.98	5,652.11	5,636.10	43.81	19.77	-113.35	-1,753.18	-723.56	1,039.28	979.13	60.15	17.280		
6,200.00	5,765.47	5,758.50	5,742.47	44.63	20.12	-115.50	-1,754.62	-721.89	1,059.34	998.48	60.87	17.404		
6,300.00	5,856.97	5,855.62	5,839.58	45.45	20.44	-117.39	-1,755.49	-721.29	1,079.59	1,018.09	61.50	17.555		
6,400.00	5,948.46	5,938.16	5,922.11	46.26	20.71	-118.92	-1,756.67	-720.90	1,101.03	1,039.03	62.00	17.757		
6,500.00	6,039.96	6,023.11	6,007.04	47.08	20.98	-120.47	-1,757.84	-719.34	1,124.59	1,062.09	62.50	17.993		
6,600.00	6,131.45	6,129.24	6,113.16	47.90	21.33	-122.35	-1,758.68	-717.96	1,148.53	1,085.39	63.14	18.190		
6,700.00	6,222.95	6,224.93	6,208.84	48.71	21.65	-124.03	-1,758.15	-717.46	1,172.38	1,108.71	63.67	18.412		
6,800.00	6,314.44	6,303.78	6,287.32	49.53	21.92	-125.67	-1,751.36	-714.75	1,197.99	1,134.03	63.96	18.730		
6,900.00	6,405.93	6,370.27	6,352.88	50.35	22.13	-127.22	-1,741.23	-710.50	1,226.22	1,162.17	64.05	19.144		
7,000.00	6,497.01	6,461.24	6,441.30	51.18	22.43	-134.35	-1,721.06	-704.05	1,257.01	1,192.84	64.17	19.589		
7,100.00	6,582.62	6,505.17	6,483.02	52.20	22.57	-143.51	-1,707.94	-699.95	1,303.61	1,239.61	64.00	20.367		
7,200.00	6,659.25	6,541.58	6,517.13	53.42	22.68	-148.47	-1,695.93	-695.71	1,367.78	1,303.96	63.82	21.432		
7,300.00	6,724.59	6,570.00	6,543.26	54.84	22.77	-150.66	-1,685.41	-691.98	1,446.17	1,382.53	63.64	22.725		
7,400.00	6,776.64	6,583.68	6,555.65	56.40	22.81	-149.37	-1,679.94	-690.03	1,535.23	1,471.76	63.47	24.190		
7,500.00	6,813.82	6,590.28	6,561.57	58.08	22.83	-140.00	-1,677.21	-689.03	1,631.21	1,567.84	63.36	25.744		
7,600.00	6,835.01	6,590.98	6,562.20	59.82	22.83	-70.95	-1,676.91	-688.92	1,730.44	1,667.10	63.34	27.320		
7,700.00	6,840.00	6,586.61	6,558.28	61.57	22.82	-12.04	-1,678.73	-689.59	1,829.72	1,766.33	63.40	28.862		
7,800.00	6,840.00	6,570.00	6,543.26	63.35	22.77	-12.70	-1,685.41	-691.98	1,928.68	1,865.25	63.43	30.407		
7,900.00	6,840.00	6,570.00	6,543.26	65.20	22.77	-12.70	-1,685.41	-691.98	2,027.56	1,964.04	63.52	31.919		
8,000.00	6,840.00	6,570.00	6,543.26	67.10	22.77	-12.70	-1,685.41	-691.98	2,126.55	2,062.94	63.61	33.432		
8,100.00	6,840.00	6,570.00	6,543.26	69.05	22.77	-12.70	-1,685.41	-691.98	2,225.62	2,161.94	63.69	34.947		
8,200.00	6,840.00	6,557.92	6,532.21	71.06	22.73	-13.08	-1,690.02	-693.61	2,324.71	2,260.99	63.72	36.483		
8,300.00	6,840.00	6,551.68	6,526.47	73.11	22.71	-13.26	-1,692.32	-694.42	2,423.86	2,360.09	63.77	38.009		
8,400.00	6,840.00	6,545.68	6,520.93	75.21	22.69	-13.41	-1,694.48	-695.19	2,523.04	2,459.22	63.82	39.535		
8,500.00	6,840.00	6,539.92	6,515.58	77.34	22.68	-13.54	-1,696.51	-695.92	2,622.25	2,558.39	63.86	41.060		
8,600.00	6,840.00	6,525.00	6,501.66	79.51	22.63	-13.82	-1,701.56	-697.73	2,721.54	2,657.66	63.88	42.605		
8,700.00	6,840.00	6,525.00	6,501.66	81.72	22.63	-13.82	-1,701.56	-697.73	2,820.79	2,756.85	63.94	44.118		
8,800.00	6,840.00	6,525.00	6,501.66	83.95	22.63	-13.82	-1,701.56	-697.73	2,920.08	2,856.09	63.99	45.631		
8,900.00	6,840.00	6,525.00	6,501.66	86.22	22.63	-13.82	-1,701.56	-697.73	3,019.43	2,955.38	64.05	47.143		
9,000.00	6,840.00	6,525.00	6,501.66	88.51	22.63	-13.82	-1,701.56	-697.73	3,118.82	3,054.72	64.10	48.656		
9,100.00	6,840.00	6,525.00	6,501.66	90.83	22.63	-13.82	-1,701.56	-697.73	3,218.24	3,154.09	64.15	50.168		
9,200.00	6,840.00	6,508.57	6,486.23	93.16	22.58	-14.06	-1,706.86	-699.59	3,317.58	3,253.43	64.16	51.711		
9,300.00	6,840.00	6,505.07	6,482.93	95.52	22.57	-14.10	-1,707.97	-699.96	3,417.02	3,352.82	64.20	53.228		
9,400.00	6,840.00	6,501.71	6,479.75	97.90	22.56	-14.14	-1,709.02	-700.32	3,516.47	3,452.24	64.24	54.744		
9,500.00	6,840.00	6,498.46	6,476.69	100.30	22.55	-14.18	-1,710.04	-700.65	3,615.95	3,551.68	64.27	56.258		
9,600.00	6,840.00	6,495.34	6,473.74	102.72	22.54	-14.21	-1,711.00	-700.97	3,715.45	3,651.14	64.31	57.772		
9,700.00	6,840.00	6,480.00	6,459.20	105.15	22.49	-14.35	-1,715.66	-702.44	3,815.03	3,750.71	64.32	59.313		
9,800.00	6,840.00	6,480.00	6,459.20	107.59	22.49	-14.35	-1,715.66	-702.44	3,914.54	3,850.17	64.37	60.817		
9,900.00	6,840.00	6,480.00	6,459.20	110.05	22.49	-14.35	-1,715.66	-702.44	4,014.07	3,949.66	64.41	62.320		
10,000.00	6,840.00	6,480.00	6,459.20	112.52	22.49	-14.35	-1,715.66	-702.44	4,113.62	4,049.17	64.46	63.821		
10,100.00	6,840.00	6,480.00	6,459.20	115.00	22.49	-14.35	-1,715.66	-702.44	4,213.19	4,148.70	64.50	65.322		
10,200.00	6,840.00	6,480.00	6,459.20	117.50	22.49	-14.35	-1,715.66	-702.44	4,312.79	4,248.25	64.54	66.821		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ HEARTLAND G25-73-1HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 351-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		
10,300.00	6,840.00	6,480.00	6,459.20	120.00	22.49	-14.35	-1,715.66	-702.44	4,412.40	4,347.82	64.59	68.319		
10,400.00	6,840.00	6,480.00	6,459.20	122.51	22.49	-14.35	-1,715.66	-702.44	4,512.03	4,447.40	64.63	69.815		
10,500.00	6,840.00	6,480.00	6,459.20	125.04	22.49	-14.35	-1,715.66	-702.44	4,611.68	4,547.01	64.67	71.310		
10,600.00	6,840.00	6,480.00	6,459.20	127.57	22.49	-14.35	-1,715.66	-702.44	4,711.34	4,646.62	64.71	72.804		
10,700.00	6,840.00	6,480.00	6,459.20	130.11	22.49	-14.35	-1,715.66	-702.44	4,811.01	4,746.26	64.75	74.296		
10,800.00	6,840.00	6,464.42	6,444.35	132.66	22.44	-14.45	-1,720.18	-703.79	4,910.61	4,845.84	64.77	75.822		
10,900.00	6,840.00	6,462.28	6,442.30	135.21	22.43	-14.46	-1,720.77	-703.97	5,010.28	4,945.48	64.80	77.315		
11,000.00	6,840.00	6,460.21	6,440.31	137.77	22.42	-14.47	-1,721.35	-704.14	5,109.96	5,045.12	64.84	78.807		
11,100.00	6,840.00	6,458.19	6,438.38	140.34	22.42	-14.48	-1,721.90	-704.30	5,209.66	5,144.78	64.88	80.297		
11,200.00	6,840.00	6,456.22	6,436.50	142.91	22.41	-14.49	-1,722.44	-704.45	5,309.36	5,244.44	64.92	81.785		
11,300.00	6,840.00	6,454.32	6,434.67	145.49	22.41	-14.49	-1,722.95	-704.60	5,409.07	5,344.11	64.96	83.272		
11,400.00	6,840.00	6,452.46	6,432.88	148.07	22.40	-14.50	-1,723.45	-704.74	5,508.78	5,443.79	65.00	84.756		
11,500.00	6,840.00	6,435.00	6,416.05	150.66	22.34	-14.51	-1,727.94	-705.98	5,608.60	5,543.60	65.00	86.289		
11,600.00	6,840.00	6,435.00	6,416.05	153.25	22.34	-14.51	-1,727.94	-705.98	5,708.31	5,643.27	65.04	87.764		
11,700.00	6,840.00	6,435.00	6,416.05	155.85	22.34	-14.51	-1,727.94	-705.98	5,808.03	5,742.95	65.09	89.236		
11,800.00	6,840.00	6,435.00	6,416.05	158.45	22.34	-14.51	-1,727.94	-705.98	5,907.76	5,842.63	65.13	90.707		
11,900.00	6,840.00	6,435.00	6,416.05	161.06	22.34	-14.51	-1,727.94	-705.98	6,007.51	5,942.33	65.17	92.176		
12,000.00	6,840.00	6,435.00	6,416.05	163.67	22.34	-14.51	-1,727.94	-705.98	6,107.25	6,042.04	65.22	93.643		
12,100.00	6,840.00	6,435.00	6,416.05	166.28	22.34	-14.51	-1,727.94	-705.98	6,207.01	6,141.75	65.26	95.107		
12,200.00	6,840.00	6,435.00	6,416.05	168.90	22.34	-14.51	-1,727.94	-705.98	6,306.78	6,241.47	65.31	96.569		
12,300.00	6,840.00	6,435.00	6,416.05	171.52	22.34	-14.51	-1,727.94	-705.98	6,406.55	6,341.20	65.35	98.029		
12,400.00	6,840.00	6,435.00	6,416.05	174.15	22.34	-14.51	-1,727.94	-705.98	6,506.33	6,440.93	65.40	99.487		
12,500.00	6,840.00	6,432.69	6,413.82	176.77	22.34	-14.51	-1,728.50	-706.14	6,606.12	6,540.68	65.44	100.950		
12,600.00	6,840.00	6,387.44	6,369.73	179.40	22.19	-14.31	-1,738.15	-709.27	6,705.88	6,640.52	65.36	102.600		
12,700.00	6,840.00	6,380.68	6,363.10	182.04	22.17	-14.26	-1,739.38	-709.75	6,805.62	6,740.24	65.38	104.086		
12,800.00	6,840.00	6,373.93	6,356.48	184.67	22.14	-14.20	-1,740.59	-710.24	6,905.37	6,839.96	65.41	105.571		
12,900.00	6,840.00	6,367.20	6,349.86	187.31	22.12	-14.15	-1,741.76	-710.72	7,005.12	6,939.68	65.44	107.054		
13,000.00	6,840.00	6,360.47	6,343.25	189.95	22.10	-14.09	-1,742.90	-711.20	7,104.87	7,039.41	65.46	108.536		
13,100.00	6,840.00	6,353.76	6,336.65	192.59	22.08	-14.03	-1,744.01	-711.68	7,204.62	7,139.13	65.49	110.017		
13,200.00	6,840.00	6,347.07	6,330.06	195.24	22.06	-13.97	-1,745.09	-712.16	7,304.37	7,238.86	65.51	111.496		
13,300.00	6,840.00	6,346.00	6,329.01	197.88	22.05	-13.96	-1,745.25	-712.23	7,404.12	7,338.56	65.56	112.940		
13,400.00	6,840.00	6,346.00	6,329.01	200.53	22.05	-13.96	-1,745.25	-712.23	7,503.88	7,438.27	65.61	114.375		
13,500.00	6,840.00	6,346.00	6,329.01	203.18	22.05	-13.96	-1,745.25	-712.23	7,603.65	7,537.99	65.66	115.807		
13,600.00	6,840.00	6,346.00	6,329.01	205.83	22.05	-13.96	-1,745.25	-712.23	7,703.42	7,637.71	65.71	117.236		
13,700.00	6,840.00	6,346.00	6,329.01	208.49	22.05	-13.96	-1,745.25	-712.23	7,803.19	7,737.43	65.76	118.663		
13,800.00	6,840.00	6,346.00	6,329.01	211.14	22.05	-13.96	-1,745.25	-712.23	7,902.98	7,837.17	65.81	120.087		
13,900.00	6,840.00	6,346.00	6,329.01	213.80	22.05	-13.96	-1,745.25	-712.23	8,002.76	7,936.90	65.86	121.509		
14,000.00	6,840.00	6,346.00	6,329.01	216.46	22.05	-13.96	-1,745.25	-712.23	8,102.56	8,036.64	65.91	122.928		
14,100.00	6,840.00	6,346.00	6,329.01	219.12	22.05	-13.96	-1,745.25	-712.23	8,202.36	8,136.39	65.97	124.344		
14,200.00	6,840.00	6,346.00	6,329.01	221.78	22.05	-13.96	-1,745.25	-712.23	8,302.16	8,236.14	66.02	125.757		
14,300.00	6,840.00	6,346.00	6,329.01	224.45	22.05	-13.96	-1,745.25	-712.23	8,401.97	8,335.90	66.07	127.167		
14,400.00	6,840.00	6,346.00	6,329.01	227.11	22.05	-13.96	-1,745.25	-712.23	8,501.78	8,435.66	66.12	128.575		
14,500.00	6,840.00	6,346.00	6,329.01	229.78	22.05	-13.96	-1,745.25	-712.23	8,601.60	8,535.42	66.18	129.979		
14,600.00	6,840.00	6,346.00	6,329.01	232.45	22.05	-13.96	-1,745.25	-712.23	8,701.42	8,635.19	66.23	131.381		
14,700.00	6,840.00	6,327.87	6,311.13	235.12	21.99	-13.78	-1,748.02	-713.43	8,801.14	8,734.91	66.22	132.902		
14,800.00	6,840.00	6,326.83	6,310.10	237.79	21.99	-13.77	-1,748.17	-713.50	8,900.95	8,834.68	66.27	134.306		
14,900.00	6,840.00	6,325.80	6,309.09	240.46	21.99	-13.76	-1,748.32	-713.56	9,000.77	8,934.45	66.33	135.707		
15,000.00	6,840.00	6,324.80	6,308.10	243.13	21.98	-13.75	-1,748.47	-713.62	9,100.60	9,034.22	66.38	137.105		
15,100.00	6,840.00	6,323.82	6,307.13	245.80	21.98	-13.74	-1,748.61	-713.68	9,200.42	9,133.99	66.43	138.500		
15,200.00	6,840.00	6,322.85	6,306.18	248.48	21.98	-13.73	-1,748.75	-713.73	9,300.25	9,233.77	66.48	139.891		
15,300.00	6,840.00	6,321.90	6,305.24	251.15	21.97	-13.72	-1,748.88	-713.79	9,400.08	9,333.55	66.54	141.280		
15,400.00	6,840.00	6,320.97	6,304.32	253.83	21.97	-13.72	-1,749.02	-713.84	9,499.92	9,433.33	66.59	142.666		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 351-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	
15,500.00	6,840.00	6,320.05	6,303.41	256.51	21.97	-13.71	-1,749.15	-713.90	9,599.76	9,533.12	66.64	144.048	
15,600.00	6,840.00	6,301.00	6,284.56	259.19	21.91	-13.51	-1,751.73	-714.88	9,699.71	9,633.07	66.63	145.571	
15,700.00	6,840.00	6,301.00	6,284.56	261.87	21.91	-13.51	-1,751.73	-714.88	9,799.54	9,732.85	66.69	146.941	
15,800.00	6,840.00	6,301.00	6,284.56	264.55	21.91	-13.51	-1,751.73	-714.88	9,899.38	9,832.63	66.75	148.308	
15,900.00	6,840.00	6,301.00	6,284.56	267.23	21.91	-13.51	-1,751.73	-714.88	9,999.22	9,932.41	66.81	149.672	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ SHELTON G24-74-1HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 660-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	36.00	-36.00	0.00	0.06	-35.86	2,891.20	-2,089.81	3,567.40					
100.00	100.00	64.00	64.00	0.13	0.11	-35.86	2,891.20	-2,089.81	3,567.40	3,567.16	0.24	N/A		
200.00	200.00	164.00	164.00	0.49	0.28	-35.86	2,891.20	-2,089.81	3,567.40	3,566.63	0.77	4,612.118		
300.00	300.00	264.00	264.00	0.85	0.45	-35.86	2,891.20	-2,089.81	3,567.40	3,566.10	1.30	2,737.742 CC		
400.00	399.98	363.98	363.98	1.20	0.62	92.22	2,891.20	-2,089.81	3,567.47	3,565.65	1.82	1,959.916		
500.00	499.84	463.84	463.84	1.55	0.79	92.30	2,891.20	-2,089.81	3,567.67	3,565.34	2.34	1,526.310		
600.00	599.45	563.45	563.45	1.91	0.96	92.43	2,891.20	-2,089.81	3,568.03	3,565.16	2.87	1,242.686		
700.00	698.70	662.70	662.70	2.29	1.13	92.61	2,891.20	-2,089.81	3,568.57	3,565.15	3.42	1,041.921 ES		
800.00	797.47	743.25	743.24	2.70	1.43	92.81	2,891.83	-2,089.38	3,569.64	3,565.52	4.13	864.897		
900.00	895.62	841.30	841.29	3.14	1.78	93.10	2,893.02	-2,088.55	3,571.17	3,566.25	4.92	726.157		
1,000.00	993.06	938.57	938.54	3.62	2.12	93.43	2,894.22	-2,087.70	3,573.01	3,567.27	5.74	622.295		
1,100.00	1,089.64	1,033.57	1,033.54	4.14	2.46	93.80	2,895.40	-2,086.86	3,575.25	3,568.65	6.60	541.853		
1,200.00	1,185.27	1,125.65	1,125.60	4.70	2.79	94.19	2,896.47	-2,086.27	3,578.02	3,570.53	7.49	477.761		
1,300.00	1,279.82	1,216.84	1,216.79	5.31	3.12	94.61	2,897.43	-2,085.98	3,581.42	3,572.99	8.42	425.104		
1,400.00	1,373.17	1,310.63	1,310.57	5.98	3.45	95.07	2,898.31	-2,085.97	3,585.49	3,576.07	9.42	380.627		
1,500.00	1,465.22	1,426.90	1,426.83	6.70	3.87	95.74	2,899.51	-2,085.16	3,590.03	3,579.49	10.55	340.412		
1,600.00	1,556.72	1,547.71	1,547.43	7.45	4.30	96.61	2,902.77	-2,078.96	3,594.36	3,582.64	11.72	306.696		
1,700.00	1,648.21	1,637.91	1,637.34	8.21	4.63	97.29	2,905.87	-2,072.43	3,598.89	3,586.10	12.80	281.208		
1,800.00	1,739.71	1,759.25	1,757.74	8.99	5.08	98.27	2,912.04	-2,058.94	3,603.62	3,589.61	14.01	257.278		
1,900.00	1,831.20	1,849.29	1,846.39	9.77	5.43	99.07	2,918.45	-2,044.57	3,608.62	3,593.50	15.12	238.690		
2,000.00	1,922.69	1,920.70	1,916.35	10.56	5.72	99.72	2,924.48	-2,031.60	3,614.57	3,598.40	16.17	223.517		
2,100.00	2,014.19	2,005.19	1,998.87	11.35	6.08	100.50	2,932.28	-2,015.21	3,621.56	3,604.27	17.29	209.465		
2,200.00	2,105.68	2,109.08	2,099.84	12.14	6.54	101.49	2,942.48	-1,992.99	3,629.21	3,610.70	18.51	196.088		
2,300.00	2,197.18	2,160.96	2,149.89	12.94	6.78	102.00	2,948.13	-1,980.60	3,637.81	3,618.30	19.51	186.467		
2,400.00	2,288.67	2,215.00	2,201.82	13.74	7.04	102.54	2,954.83	-1,967.22	3,648.19	3,627.67	20.52	177.804		
2,500.00	2,380.17	2,272.60	2,257.30	14.54	7.32	103.11	2,962.10	-1,953.55	3,660.11	3,638.57	21.54	169.921		
2,600.00	2,471.66	2,445.93	2,425.25	15.35	8.18	104.77	2,979.92	-1,914.69	3,671.43	3,648.30	23.13	158.724		
2,700.00	2,563.16	2,499.00	2,476.27	16.15	8.45	105.29	2,985.79	-1,901.31	3,683.83	3,659.70	24.14	152.634		
2,800.00	2,654.65	2,538.39	2,514.04	16.96	8.66	105.68	2,990.58	-1,891.19	3,697.90	3,672.84	25.07	147.524		
2,900.00	2,746.15	2,594.00	2,567.37	17.76	8.96	106.23	2,997.60	-1,877.09	3,713.55	3,687.48	26.07	142.424		
3,000.00	2,837.64	2,711.08	2,679.70	18.57	9.60	107.38	3,011.98	-1,847.39	3,729.99	3,702.57	27.42	136.051		
3,100.00	2,929.14	2,794.47	2,758.86	19.38	10.07	108.23	3,022.56	-1,823.41	3,747.01	3,718.43	28.58	131.104		
3,200.00	3,020.63	2,853.50	2,814.60	20.19	10.43	108.84	3,030.37	-1,805.63	3,765.25	3,735.63	29.62	127.140		
3,300.00	3,112.13	2,914.41	2,872.16	21.00	10.80	109.46	3,038.58	-1,787.47	3,784.85	3,754.20	30.65	123.498		
3,400.00	3,203.62	2,975.90	2,930.28	21.81	11.18	110.08	3,047.05	-1,769.29	3,805.80	3,774.13	31.67	120.168		
3,500.00	3,295.12	3,094.68	3,043.84	22.63	11.87	111.23	3,061.84	-1,737.81	3,827.30	3,794.29	33.01	115.948		
3,600.00	3,386.61	3,163.38	3,109.79	23.44	12.26	111.88	3,070.00	-1,720.37	3,849.59	3,815.56	34.03	113.118		
3,700.00	3,478.10	3,297.56	3,239.77	24.25	12.98	113.08	3,084.09	-1,690.36	3,872.14	3,836.76	35.39	109.427		
3,800.00	3,569.60	3,377.20	3,317.61	25.06	13.38	113.75	3,091.36	-1,675.20	3,894.99	3,858.58	36.41	106.972		
3,900.00	3,661.09	3,433.82	3,372.93	25.88	13.67	114.22	3,096.79	-1,664.39	3,918.94	3,881.64	37.30	105.057		
4,000.00	3,752.59	3,541.33	3,477.67	26.69	14.22	115.12	3,107.42	-1,642.58	3,943.74	3,905.28	38.46	102.536		
4,100.00	3,844.08	3,599.56	3,534.21	27.50	14.54	115.62	3,113.17	-1,629.93	3,969.09	3,929.74	39.36	100.852		
4,200.00	3,935.58	3,637.00	3,570.48	28.32	14.74	115.94	3,117.09	-1,621.52	3,995.73	3,955.61	40.12	99.598		
4,300.00	4,027.07	3,692.28	3,623.91	29.13	15.05	116.42	3,123.36	-1,608.80	4,023.70	3,982.73	40.98	98.199		
4,400.00	4,118.57	3,736.32	3,666.36	29.95	15.29	116.80	3,128.86	-1,598.45	4,053.21	4,011.46	41.75	97.079		
4,500.00	4,210.06	3,852.90	3,777.95	30.76	15.99	117.84	3,143.23	-1,567.94	4,083.11	4,040.13	42.98	95.011		
4,600.00	4,301.56	3,903.02	3,825.49	31.58	16.30	118.30	3,149.54	-1,553.39	4,113.99	4,070.20	43.79	93.956		
4,700.00	4,393.05	3,968.94	3,887.74	32.39	16.72	118.90	3,158.21	-1,533.49	4,146.08	4,101.39	44.69	92.776		
4,800.00	4,484.55	4,053.75	3,967.96	33.21	17.27	119.67	3,169.29	-1,508.30	4,178.98	4,133.28	45.70	91.440		
4,900.00	4,576.04	4,278.82	4,184.54	34.02	18.57	121.54	3,193.21	-1,452.33	4,210.38	4,162.86	47.52	88.603		
5,000.00	4,667.54	4,439.67	4,340.82	34.84	19.43	122.79	3,206.71	-1,416.86	4,241.39	4,192.51	48.87	86.783		
5,100.00	4,759.03	4,549.50	4,448.64	35.65	19.96	123.57	3,214.05	-1,397.26	4,271.43	4,221.52	49.91	85.590		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ SHELTON G24-74-1HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 660-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	4,850.53	4,634.85	4,532.67	36.47	20.36	124.15	3,219.66	-1,383.40	4,301.95	4,251.16	50.79	84.698		
5,300.00	4,942.02	5,300.00	4,650.06	37.28	23.22	124.92	3,226.82	-1,366.49	4,332.45	4,278.32	54.13	80.043		
5,400.00	5,033.51	4,876.69	4,772.10	38.10	21.38	125.66	3,233.14	-1,352.49	4,362.52	4,309.69	52.83	82.572		
5,500.00	5,125.01	4,945.16	4,840.20	38.92	21.63	126.04	3,236.71	-1,346.34	4,393.06	4,339.48	53.58	81.989		
5,600.00	5,216.50	5,286.25	5,180.81	39.73	22.68	127.68	3,243.59	-1,335.11	4,419.12	4,363.80	55.32	79.878		
5,700.00	5,308.00	5,378.64	5,273.21	40.55	22.93	128.07	3,243.56	-1,334.84	4,445.24	4,389.12	56.12	79.210		
5,800.00	5,399.49	5,475.57	5,370.14	41.36	23.18	128.49	3,243.49	-1,334.60	4,471.54	4,414.62	56.92	78.553		
5,900.00	5,490.99	5,582.13	5,476.70	42.18	23.46	128.93	3,243.16	-1,334.63	4,497.82	4,440.06	57.75	77.884		
6,000.00	5,582.48	5,689.13	5,583.69	43.00	23.74	129.37	3,242.48	-1,335.04	4,523.98	4,465.40	58.58	77.232		
6,100.00	5,673.98	5,788.65	5,683.21	43.81	23.95	129.68	3,241.88	-1,335.61	4,550.22	4,490.90	59.31	76.718		
6,200.00	5,765.47	5,834.22	5,728.77	44.63	24.12	129.94	3,241.76	-1,336.40	4,577.12	4,517.13	60.00	76.291		
6,300.00	5,856.97	5,899.77	5,794.31	45.45	24.28	130.19	3,242.04	-1,337.48	4,604.73	4,544.06	60.68	75.890		
6,400.00	5,948.46	5,965.29	5,859.81	46.26	24.45	130.43	3,242.73	-1,338.86	4,633.04	4,571.69	61.35	75.515		
6,500.00	6,039.96	6,132.55	6,027.02	47.08	24.89	131.04	3,243.77	-1,342.96	4,661.15	4,598.76	62.38	74.720		
6,600.00	6,131.45	6,185.00	6,079.46	47.90	25.04	131.23	3,243.78	-1,343.55	4,688.93	4,625.91	63.02	74.403		
6,700.00	6,222.95	6,259.00	6,153.45	48.71	25.25	131.52	3,244.45	-1,343.24	4,717.76	4,654.04	63.73	74.032		
6,800.00	6,314.44	6,800.00	6,217.56	49.53	26.91	131.78	3,245.17	-1,342.28	4,747.07	4,681.17	65.91	72.027		
6,900.00	6,405.93	6,346.80	6,241.24	50.35	25.52	131.87	3,245.58	-1,341.90	4,777.27	4,712.35	64.91	73.593		
7,000.00	6,497.01	6,388.00	6,282.40	51.18	25.65	125.71	3,247.18	-1,341.38	4,809.11	4,743.62	65.50	73.426		
7,100.00	6,582.62	6,388.00	6,282.40	52.20	25.65	113.55	3,247.18	-1,341.38	4,841.97	4,775.94	66.02	73.336		
7,200.00	6,659.25	6,388.00	6,282.40	53.42	25.65	105.00	3,247.18	-1,341.38	4,875.64	4,808.94	66.70	73.099		
7,300.00	6,724.59	6,388.00	6,282.40	54.84	25.65	98.45	3,247.18	-1,341.38	4,909.09	4,841.57	67.52	72.710		
7,400.00	6,776.64	6,410.54	6,304.88	56.40	25.72	93.46	3,248.76	-1,341.10	4,940.88	4,872.31	68.58	72.050		
7,500.00	6,813.82	6,414.59	6,308.92	58.08	25.74	89.34	3,249.12	-1,341.04	4,970.78	4,901.12	69.66	71.359		
7,600.00	6,835.01	6,436.00	6,330.19	59.82	25.81	86.34	3,251.47	-1,340.68	4,998.03	4,927.11	70.92	70.478		
7,700.00	6,840.00	6,436.00	6,330.19	61.57	25.81	84.44	3,251.47	-1,340.68	5,021.40	4,949.29	72.11	69.639		
7,800.00	6,840.00	6,436.00	6,330.19	63.35	25.81	84.44	3,251.47	-1,340.68	5,044.91	4,971.58	73.33	68.798		
7,900.00	6,840.00	6,436.00	6,330.19	65.20	25.81	84.44	3,251.47	-1,340.68	5,070.28	4,995.71	74.58	67.988		
8,000.00	6,840.00	6,436.00	6,330.19	67.10	25.81	84.44	3,251.47	-1,340.68	5,097.49	5,021.65	75.84	67.212		
8,100.00	6,840.00	6,436.00	6,330.19	69.05	25.81	84.44	3,251.47	-1,340.68	5,126.51	5,049.39	77.12	66.474		
8,200.00	6,840.00	6,436.00	6,330.19	71.06	25.81	84.44	3,251.47	-1,340.68	5,157.30	5,078.89	78.41	65.776		
8,300.00	6,840.00	6,436.00	6,330.19	73.11	25.81	84.44	3,251.47	-1,340.68	5,189.84	5,110.14	79.70	65.120		
8,400.00	6,840.00	6,436.00	6,330.19	75.21	25.81	84.44	3,251.47	-1,340.68	5,224.09	5,143.10	80.98	64.508		
8,500.00	6,840.00	6,436.00	6,330.19	77.34	25.81	84.44	3,251.47	-1,340.68	5,260.01	5,177.75	82.27	63.938		
8,600.00	6,840.00	6,436.00	6,330.19	79.51	25.81	84.44	3,251.47	-1,340.68	5,297.59	5,214.04	83.54	63.413		
8,700.00	6,840.00	6,436.00	6,330.19	81.72	25.81	84.44	3,251.47	-1,340.68	5,336.77	5,251.96	84.81	62.930		
8,800.00	6,840.00	6,436.00	6,330.19	83.95	25.81	84.44	3,251.47	-1,340.68	5,377.52	5,291.47	86.06	62.489		
8,900.00	6,840.00	6,415.16	6,309.49	86.22	25.74	84.20	3,249.18	-1,341.03	5,419.46	5,332.29	87.17	62.171		
9,000.00	6,840.00	6,415.00	6,309.32	88.51	25.74	84.20	3,249.16	-1,341.03	5,463.25	5,374.87	88.39	61.812		
9,100.00	6,840.00	6,414.83	6,309.16	90.83	25.74	84.19	3,249.15	-1,341.04	5,508.52	5,418.93	89.58	61.492		
9,200.00	6,840.00	6,414.67	6,308.99	93.16	25.74	84.19	3,249.13	-1,341.04	5,555.21	5,464.45	90.76	61.210		
9,300.00	6,840.00	6,414.51	6,308.83	95.52	25.73	84.19	3,249.12	-1,341.04	5,603.30	5,511.39	91.91	60.965		
9,400.00	6,840.00	6,414.34	6,308.67	97.90	25.73	84.19	3,249.10	-1,341.04	5,652.74	5,559.70	93.04	60.756		
9,500.00	6,840.00	6,414.18	6,308.51	100.30	25.73	84.19	3,249.09	-1,341.05	5,703.52	5,609.37	94.15	60.580		
9,600.00	6,840.00	6,414.02	6,308.35	102.72	25.73	84.18	3,249.07	-1,341.05	5,755.58	5,660.35	95.23	60.438		
9,700.00	6,840.00	6,413.86	6,308.19	105.15	25.73	84.18	3,249.06	-1,341.05	5,808.90	5,712.61	96.29	60.326		
9,800.00	6,840.00	6,413.70	6,308.03	107.59	25.73	84.18	3,249.04	-1,341.05	5,863.44	5,766.11	97.33	60.245		
9,900.00	6,840.00	6,413.54	6,307.87	110.05	25.73	84.18	3,249.03	-1,341.06	5,919.16	5,820.82	98.34	60.193		
10,000.00	6,840.00	6,413.38	6,307.71	112.52	25.73	84.18	3,249.01	-1,341.06	5,976.04	5,876.72	99.32	60.168 SF		
10,100.00	6,840.00	6,413.22	6,307.55	115.00	25.73	84.18	3,249.00	-1,341.06	6,034.04	5,933.76	100.28	60.170		
10,200.00	6,840.00	6,413.06	6,307.39	117.50	25.73	84.17	3,248.98	-1,341.06	6,093.13	5,991.91	101.22	60.197		
10,300.00	6,840.00	6,412.90	6,307.24	120.00	25.73	84.17	3,248.97	-1,341.06	6,153.28	6,051.15	102.13	60.248		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ SHELTON G24-74-1HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 660-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		
10,400.00	6,840.00	6,412.75	6,307.08	122.51	25.73	84.17	3,248.95	-1,341.07	6,214.45	6,111.43	103.02	60.322		
10,500.00	6,840.00	6,412.59	6,306.92	125.04	25.73	84.17	3,248.94	-1,341.07	6,276.62	6,172.74	103.89	60.419		
10,600.00	6,840.00	6,412.43	6,306.77	127.57	25.73	84.17	3,248.93	-1,341.07	6,339.76	6,235.04	104.73	60.536		
10,700.00	6,840.00	6,412.28	6,306.61	130.11	25.73	84.16	3,248.91	-1,341.07	6,403.84	6,298.30	105.54	60.674		
10,800.00	6,840.00	6,412.12	6,306.46	132.66	25.73	84.16	3,248.90	-1,341.08	6,468.83	6,362.49	106.34	60.832		
10,900.00	6,840.00	6,411.97	6,306.31	135.21	25.73	84.16	3,248.89	-1,341.08	6,534.70	6,427.59	107.11	61.007		
11,000.00	6,840.00	6,411.82	6,306.15	137.77	25.73	84.16	3,248.87	-1,341.08	6,601.43	6,493.57	107.87	61.201		
11,100.00	6,840.00	6,411.66	6,306.00	140.34	25.73	84.16	3,248.86	-1,341.08	6,669.00	6,560.40	108.60	61.411		
11,200.00	6,840.00	6,411.51	6,305.85	142.91	25.72	84.16	3,248.84	-1,341.09	6,737.37	6,628.06	109.31	61.638		
11,300.00	6,840.00	6,411.36	6,305.70	145.49	25.72	84.15	3,248.83	-1,341.09	6,806.52	6,696.52	110.00	61.880		
11,400.00	6,840.00	6,411.20	6,305.54	148.07	25.72	84.15	3,248.82	-1,341.09	6,876.43	6,765.76	110.67	62.137		
11,500.00	6,840.00	6,411.05	6,305.39	150.66	25.72	84.15	3,248.80	-1,341.09	6,947.07	6,835.76	111.32	62.408		
11,600.00	6,840.00	6,410.90	6,305.24	153.25	25.72	84.15	3,248.79	-1,341.09	7,018.43	6,906.49	111.95	62.693		
11,700.00	6,840.00	6,410.75	6,305.09	155.85	25.72	84.15	3,248.78	-1,341.10	7,090.49	6,977.92	112.56	62.991		
11,800.00	6,840.00	6,410.60	6,304.94	158.45	25.72	84.14	3,248.76	-1,341.10	7,163.21	7,050.05	113.16	63.301		
11,900.00	6,840.00	6,410.45	6,304.80	161.06	25.72	84.14	3,248.75	-1,341.10	7,236.59	7,122.85	113.74	63.624		
12,000.00	6,840.00	6,410.30	6,304.65	163.67	25.72	84.14	3,248.74	-1,341.10	7,310.59	7,196.29	114.30	63.958		
12,100.00	6,840.00	6,410.16	6,304.50	166.28	25.72	84.14	3,248.73	-1,341.10	7,385.21	7,270.36	114.85	64.303		
12,200.00	6,840.00	6,410.01	6,304.35	168.90	25.72	84.14	3,248.71	-1,341.11	7,460.42	7,345.04	115.38	64.659		
12,300.00	6,840.00	6,409.86	6,304.21	171.52	25.72	84.14	3,248.70	-1,341.11	7,536.21	7,420.31	115.90	65.024		
12,400.00	6,840.00	6,409.71	6,304.06	174.15	25.72	84.13	3,248.69	-1,341.11	7,612.56	7,496.16	116.40	65.400		
12,500.00	6,840.00	6,409.57	6,303.91	176.77	25.72	84.13	3,248.68	-1,341.11	7,689.45	7,572.56	116.89	65.785		
12,600.00	6,840.00	6,409.42	6,303.77	179.40	25.72	84.13	3,248.66	-1,341.12	7,766.87	7,649.51	117.36	66.179		
12,700.00	6,840.00	6,409.28	6,303.62	182.04	25.72	84.13	3,248.65	-1,341.12	7,844.79	7,726.97	117.82	66.582		
12,800.00	6,840.00	6,409.13	6,303.48	184.67	25.72	84.13	3,248.64	-1,341.12	7,923.22	7,804.95	118.27	66.993		
12,900.00	6,840.00	6,408.99	6,303.34	187.31	25.72	84.13	3,248.63	-1,341.12	8,002.12	7,883.42	118.70	67.412		
13,000.00	6,840.00	6,388.00	6,282.40	189.95	25.65	83.88	3,247.18	-1,341.38	8,081.75	7,962.75	119.00	67.912		
13,100.00	6,840.00	6,388.00	6,282.40	192.59	25.65	83.88	3,247.18	-1,341.38	8,161.57	8,042.15	119.42	68.346		
13,200.00	6,840.00	6,388.00	6,282.40	195.24	25.65	83.88	3,247.18	-1,341.38	8,241.83	8,122.01	119.82	68.787		
13,300.00	6,840.00	6,388.00	6,282.40	197.88	25.65	83.88	3,247.18	-1,341.38	8,322.51	8,202.31	120.21	69.235		
13,400.00	6,840.00	6,388.00	6,282.40	200.53	25.65	83.88	3,247.18	-1,341.38	8,403.62	8,283.03	120.59	69.689		
13,500.00	6,840.00	6,388.00	6,282.40	203.18	25.65	83.88	3,247.18	-1,341.38	8,485.12	8,364.17	120.96	70.150		
13,600.00	6,840.00	6,388.00	6,282.40	205.83	25.65	83.88	3,247.18	-1,341.38	8,567.02	8,445.70	121.32	70.617		
13,700.00	6,840.00	6,388.00	6,282.40	208.49	25.65	83.88	3,247.18	-1,341.38	8,649.30	8,527.63	121.67	71.090		
13,800.00	6,840.00	6,388.00	6,282.40	211.14	25.65	83.88	3,247.18	-1,341.38	8,731.95	8,609.94	122.01	71.569		
13,900.00	6,840.00	6,388.00	6,282.40	213.80	25.65	83.88	3,247.18	-1,341.38	8,814.95	8,692.61	122.34	72.053		
14,000.00	6,840.00	6,388.00	6,282.40	216.46	25.65	83.88	3,247.18	-1,341.38	8,898.31	8,775.65	122.66	72.542		
14,100.00	6,840.00	6,388.00	6,282.40	219.12	25.65	83.88	3,247.18	-1,341.38	8,982.01	8,859.03	122.98	73.037		
14,200.00	6,840.00	6,388.00	6,282.40	221.78	25.65	83.88	3,247.18	-1,341.38	9,066.03	8,942.75	123.29	73.537		
14,300.00	6,840.00	6,388.00	6,282.40	224.45	25.65	83.88	3,247.18	-1,341.38	9,150.38	9,026.80	123.59	74.041		
14,400.00	6,840.00	6,388.00	6,282.40	227.11	25.65	83.88	3,247.18	-1,341.38	9,235.04	9,111.17	123.88	74.550		
14,500.00	6,840.00	6,388.00	6,282.40	229.78	25.65	83.88	3,247.18	-1,341.38	9,320.01	9,195.85	124.16	75.063		
14,600.00	6,840.00	6,388.00	6,282.40	232.45	25.65	83.88	3,247.18	-1,341.38	9,405.27	9,280.83	124.44	75.581		
14,700.00	6,840.00	6,388.00	6,282.40	235.12	25.65	83.88	3,247.18	-1,341.38	9,490.82	9,366.11	124.71	76.103		
14,800.00	6,840.00	6,388.00	6,282.40	237.79	25.65	83.88	3,247.18	-1,341.38	9,576.65	9,451.67	124.97	76.629		
14,900.00	6,840.00	6,388.00	6,282.40	240.46	25.65	83.88	3,247.18	-1,341.38	9,662.75	9,537.51	125.23	77.159		
15,000.00	6,840.00	6,388.00	6,282.40	243.13	25.65	83.88	3,247.18	-1,341.38	9,749.11	9,623.63	125.48	77.692		
15,100.00	6,840.00	6,388.00	6,282.40	245.80	25.65	83.88	3,247.18	-1,341.38	9,835.74	9,710.01	125.73	78.229		
15,200.00	6,840.00	6,388.00	6,282.40	248.48	25.65	83.88	3,247.18	-1,341.38	9,922.61	9,796.64	125.97	78.770		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ SHELTON G25-75HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 682-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	36.00	-36.00	0.00	0.06	-36.15	2,891.20	-2,112.12	3,580.52					
100.00	100.00	64.00	64.00	0.13	0.11	-36.15	2,891.20	-2,112.12	3,580.52	3,580.28	0.24	N/A		
200.00	200.00	164.00	164.00	0.49	0.28	-36.15	2,891.20	-2,112.12	3,580.52	3,579.75	0.77	4,626.503		
300.00	300.00	264.00	264.00	0.85	0.45	-36.15	2,891.20	-2,112.12	3,580.52	3,579.22	1.30	2,746.350		
400.00	399.98	363.98	363.98	1.20	0.62	91.93	2,891.20	-2,112.12	3,580.58	3,578.76	1.82	1,966.090		
500.00	499.84	463.84	463.84	1.55	0.79	92.01	2,891.20	-2,112.12	3,580.76	3,578.42	2.34	1,531.115		
600.00	599.45	563.45	563.45	1.91	0.97	92.14	2,891.20	-2,112.12	3,581.08	3,578.20	2.87	1,246.587		
700.00	698.70	662.70	662.70	2.29	1.14	92.33	2,891.20	-2,112.12	3,581.55	3,578.13	3.43	1,045.177		
800.00	797.47	768.56	768.56	2.70	1.47	92.58	2,891.40	-2,111.76	3,582.18	3,578.01	4.17	858.814		
900.00	895.62	882.85	882.85	3.14	1.86	92.93	2,891.17	-2,111.24	3,582.69	3,577.68	5.00	715.952		
1,000.00	993.06	996.53	996.52	3.62	2.25	93.32	2,890.22	-2,110.87	3,583.05	3,577.18	5.87	610.307		
1,100.00	1,089.64	1,090.23	1,090.21	4.14	2.58	93.69	2,889.13	-2,110.70	3,583.59	3,576.88	6.71	534.028		
1,200.00	1,185.27	1,183.02	1,183.00	4.70	2.90	94.10	2,888.02	-2,110.71	3,584.64	3,577.05	7.59	472.185		
1,300.00	1,279.82	1,274.90	1,274.87	5.31	3.21	94.53	2,886.91	-2,110.89	3,586.28	3,577.76	8.52	421.033		
1,400.00	1,373.17	1,365.77	1,365.73	5.98	3.53	94.99	2,885.78	-2,111.24	3,588.57	3,579.08	9.50	377.873		
1,500.00	1,465.22	1,455.53	1,455.49	6.70	3.84	95.48	2,884.63	-2,111.77	3,591.61	3,581.09	10.52	341.287		
1,600.00	1,556.72	1,544.91	1,544.86	7.45	4.16	96.03	2,883.46	-2,112.47	3,595.26	3,583.68	11.58	310.461		
1,700.00	1,648.21	1,631.60	1,631.54	8.21	4.46	96.56	2,882.29	-2,113.37	3,599.44	3,586.79	12.64	284.747		
1,800.00	1,739.71	1,718.30	1,718.21	8.99	4.77	97.09	2,881.10	-2,114.57	3,604.16	3,590.45	13.71	262.908		
1,900.00	1,831.20	1,805.20	1,805.09	9.77	5.08	97.62	2,879.89	-2,116.08	3,609.43	3,594.65	14.78	244.167		
2,000.00	1,922.69	1,908.05	1,907.91	10.56	5.44	98.23	2,878.30	-2,118.13	3,615.11	3,599.19	15.92	227.108		
2,100.00	2,014.19	2,100.00	2,071.91	11.35	6.13	99.20	2,874.10	-2,121.11	3,620.42	3,603.04	17.37	208.388		
2,200.00	2,105.68	2,220.33	2,219.80	12.14	6.56	100.03	2,865.87	-2,125.17	3,623.78	3,605.20	18.58	195.072		
2,300.00	2,197.18	2,351.59	2,350.37	12.94	7.05	100.68	2,855.05	-2,132.95	3,626.79	3,606.96	19.83	182.899		
2,400.00	2,288.67	2,544.72	2,541.26	13.74	7.79	101.50	2,831.38	-2,150.12	3,627.64	3,606.32	21.32	170.157		
2,500.00	2,380.17	2,662.86	2,657.75	14.54	8.27	101.98	2,814.99	-2,160.96	3,627.65	3,605.10	22.55	160.869		
2,600.00	2,471.66	2,771.03	2,764.21	15.35	8.71	102.41	2,798.95	-2,171.47	3,627.23	3,603.47	23.75	152.711		
2,647.14	2,514.80	2,803.93	2,796.61	15.72	8.85	102.54	2,794.15	-2,174.52	3,627.10	3,602.85	24.25	149.552		
2,700.00	2,563.16	2,834.56	2,826.79	16.15	8.97	102.66	2,789.84	-2,177.41	3,627.27	3,602.48	24.79	146.314		
2,800.00	2,654.65	2,900.32	2,891.67	16.96	9.25	102.93	2,781.11	-2,183.73	3,628.49	3,602.66	25.84	140.443		
2,900.00	2,746.15	2,989.02	2,979.28	17.76	9.61	103.30	2,769.90	-2,191.87	3,630.31	3,603.34	26.96	134.630		
3,000.00	2,837.64	3,068.00	3,057.44	18.57	9.94	103.64	2,760.61	-2,198.39	3,632.70	3,604.65	28.05	129.496		
3,100.00	2,929.14	3,145.92	3,134.68	19.38	10.25	104.00	2,752.14	-2,204.17	3,635.77	3,606.64	29.13	124.814		
3,200.00	3,020.63	3,193.35	3,181.78	20.19	10.44	104.22	2,747.51	-2,207.31	3,639.83	3,609.75	30.08	120.995		
3,300.00	3,112.13	3,231.54	3,219.81	21.00	10.59	104.41	2,744.68	-2,209.34	3,645.60	3,614.61	30.99	117.640		
3,400.00	3,203.62	3,285.44	3,273.60	21.81	10.79	104.70	2,741.95	-2,211.42	3,653.07	3,621.12	31.94	114.368		
3,500.00	3,295.12	3,368.56	3,356.64	22.63	11.10	105.17	2,738.71	-2,213.00	3,661.27	3,628.29	32.99	110.994		
3,600.00	3,386.61	3,428.01	3,416.06	23.44	11.30	105.53	2,737.30	-2,212.96	3,670.47	3,636.54	33.93	108.187		
3,700.00	3,478.10	3,475.72	3,463.77	24.25	11.46	105.82	2,736.86	-2,212.40	3,680.97	3,646.16	34.81	105.739		
3,800.00	3,569.60	3,517.76	3,505.81	25.06	11.60	106.08	2,736.98	-2,212.18	3,693.10	3,657.43	35.66	103.555		
3,900.00	3,661.09	10,263.21	6,990.18	25.88	69.05	118.70	-771.89	-2,238.60	3,600.69	3,556.77	43.92	81.985		
4,000.00	3,752.59	10,285.77	6,990.23	26.69	69.43	118.56	-794.46	-2,238.13	3,503.73	3,459.35	44.38	78.940		
4,100.00	3,844.08	10,310.33	6,990.24	27.50	69.84	118.38	-819.01	-2,237.70	3,406.78	3,361.92	44.86	75.937		
4,200.00	3,935.58	10,334.86	6,990.22	28.32	70.25	118.19	-843.53	-2,237.36	3,309.83	3,264.48	45.35	72.988		
4,300.00	4,027.07	10,359.35	6,990.16	29.13	70.66	117.99	-868.02	-2,237.11	3,212.88	3,167.04	45.84	70.093		
4,400.00	4,118.57	10,374.35	6,990.18	29.95	70.91	117.86	-883.03	-2,236.93	3,115.98	3,069.67	46.31	67.284		
4,500.00	4,210.06	10,392.15	6,990.24	30.76	71.21	117.70	-900.82	-2,236.67	3,019.14	2,972.33	46.80	64.510		
4,600.00	4,301.56	10,410.28	6,990.37	31.58	71.52	117.54	-918.95	-2,236.37	2,922.35	2,875.05	47.30	61.781		
4,700.00	4,393.05	10,428.76	6,990.57	32.39	71.83	117.37	-937.42	-2,236.00	2,825.63	2,777.81	47.81	59.096		
4,800.00	4,484.55	10,445.00	6,990.79	33.21	72.10	117.22	-953.66	-2,235.65	2,728.97	2,680.63	48.34	56.458		
4,900.00	4,576.04	10,462.05	6,991.08	34.02	72.39	117.06	-970.70	-2,235.30	2,632.40	2,583.52	48.88	53.859		
5,000.00	4,667.54	10,477.53	6,991.38	34.84	72.65	116.89	-986.18	-2,235.07	2,535.94	2,486.50	49.43	51.299		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ SHELTON G25-75HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 682-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	4,759.03	10,493.48	6,991.73	35.65	72.92	116.71	-1,002.12	-2,234.91	2,439.59	2,389.58	50.01	48.779		
5,200.00	4,850.53	10,509.91	6,992.13	36.47	73.19	116.51	-1,018.55	-2,234.85	2,343.37	2,292.75	50.62	46.297		
5,300.00	4,942.02	10,526.85	6,992.58	37.28	73.48	116.29	-1,035.48	-2,234.87	2,247.27	2,196.03	51.24	43.855		
5,400.00	5,033.51	10,545.83	6,993.14	38.10	73.80	116.02	-1,054.45	-2,235.02	2,151.31	2,099.41	51.89	41.456		
5,500.00	5,125.01	10,569.80	6,993.81	38.92	74.20	115.62	-1,078.41	-2,235.44	2,055.43	2,002.87	52.56	39.107		
5,600.00	5,216.50	10,593.98	6,994.43	39.73	74.60	115.17	-1,102.57	-2,236.16	1,959.62	1,906.36	53.26	36.797		
5,700.00	5,308.00	10,618.36	6,994.98	40.55	75.01	114.64	-1,126.92	-2,237.18	1,863.88	1,809.90	53.99	34.525		
5,800.00	5,399.49	10,649.46	6,995.58	41.36	75.53	113.85	-1,157.97	-2,238.83	1,768.21	1,713.48	54.72	32.311		
5,900.00	5,490.99	10,690.58	6,996.20	42.18	76.22	112.68	-1,199.04	-2,240.82	1,672.39	1,616.97	55.42	30.177		
6,000.00	5,582.48	10,729.96	6,996.60	43.00	76.88	111.40	-1,238.39	-2,242.40	1,576.40	1,520.28	56.12	28.088		
6,100.00	5,673.98	10,779.69	6,996.54	43.81	77.72	109.42	-1,288.08	-2,244.26	1,480.13	1,423.39	56.74	26.084		
6,200.00	5,765.47	10,823.90	6,995.75	44.63	78.46	107.17	-1,332.24	-2,245.98	1,383.54	1,326.12	57.42	24.095		
6,300.00	5,856.97	10,853.97	6,994.91	45.45	78.97	105.31	-1,362.29	-2,247.14	1,286.78	1,228.51	58.27	22.083		
6,400.00	5,948.46	10,882.86	6,993.98	46.26	79.45	103.20	-1,391.14	-2,248.19	1,189.98	1,130.79	59.20	20.103		
6,500.00	6,039.96	10,910.65	6,992.98	47.08	79.92	100.81	-1,418.90	-2,249.13	1,093.17	1,032.95	60.22	18.154		
6,600.00	6,131.45	10,937.40	6,991.91	47.90	80.37	98.07	-1,445.61	-2,249.98	996.37	935.01	61.37	16.237		
6,700.00	6,222.95	10,962.39	6,990.87	48.71	80.80	95.05	-1,470.57	-2,250.64	899.65	836.95	62.70	14.347		
6,800.00	6,314.44	10,987.03	6,989.79	49.53	81.21	91.51	-1,495.18	-2,251.22	803.05	738.78	64.28	12.494		
6,900.00	6,405.93	11,010.97	6,988.68	50.35	81.62	87.39	-1,519.09	-2,251.69	706.66	640.47	66.19	10.676		
7,000.00	6,497.01	11,030.96	6,987.76	51.18	81.96	88.84	-1,539.06	-2,252.09	610.46	541.85	68.61	8.898		
7,100.00	6,588.62	11,051.06	6,986.83	52.20	82.30	121.34	-1,559.13	-2,252.48	512.74	443.02	69.73	7.354		
7,200.00	6,659.25	11,061.00	6,986.38	53.42	82.46	156.08	-1,569.06	-2,252.67	415.56	346.95	68.62	6.056		
7,300.00	6,724.59	11,061.00	6,986.38	54.84	82.46	167.28	-1,569.06	-2,252.67	324.61	260.67	63.94	5.077		
7,400.00	6,776.64	11,061.00	6,986.38	56.40	82.46	170.84	-1,569.06	-2,252.67	251.16	195.74	55.42	4.532		
7,500.00	6,813.82	11,061.00	6,986.38	58.08	82.46	171.33	-1,569.06	-2,252.67	217.04	155.52	61.53	3.528		
7,509.61	6,816.57	11,061.00	6,986.38	58.24	82.46	171.26	-1,569.06	-2,252.67	216.76	152.96	63.79	3.398 CC		
7,600.00	6,835.01	11,061.00	6,986.38	59.82	82.46	169.65	-1,569.06	-2,252.67	240.71	152.46	88.24	2.728 ES, SF		
7,700.00	6,840.00	11,061.00	6,986.38	61.57	82.46	166.45	-1,569.06	-2,252.67	308.38	203.44	104.93	2.939		
7,800.00	6,840.00	11,061.00	6,986.38	63.35	82.46	166.45	-1,569.06	-2,252.67	392.49	279.74	112.74	3.481		
7,900.00	6,840.00	11,061.00	6,986.38	65.20	82.46	166.45	-1,569.06	-2,252.67	482.70	365.93	116.77	4.134		
8,000.00	6,840.00	11,061.00	6,986.38	67.10	82.46	166.45	-1,569.06	-2,252.67	576.15	457.10	119.05	4.840		
8,100.00	6,840.00	11,061.00	6,986.38	69.05	82.46	166.45	-1,569.06	-2,252.67	671.49	551.06	120.44	5.576		
8,200.00	6,840.00	11,061.00	6,986.38	71.06	82.46	166.45	-1,569.06	-2,252.67	768.02	646.68	121.34	6.329		
8,300.00	6,840.00	11,061.00	6,986.38	73.11	82.46	166.45	-1,569.06	-2,252.67	865.33	743.37	121.96	7.095		
8,400.00	6,840.00	11,061.00	6,986.38	75.21	82.46	166.45	-1,569.06	-2,252.67	963.20	840.79	122.41	7.869		
8,500.00	6,840.00	11,061.00	6,986.38	77.34	82.46	166.45	-1,569.06	-2,252.67	1,061.46	938.72	122.75	8.648		
8,600.00	6,840.00	11,061.00	6,986.38	79.51	82.46	166.45	-1,569.06	-2,252.67	1,160.02	1,037.02	123.00	9.431		
8,700.00	6,840.00	11,061.00	6,986.38	81.72	82.46	166.45	-1,569.06	-2,252.67	1,258.81	1,135.61	123.20	10.217		
8,800.00	6,840.00	11,061.00	6,986.38	83.95	82.46	166.45	-1,569.06	-2,252.67	1,357.78	1,234.41	123.37	11.006		
8,900.00	6,840.00	11,061.00	6,986.38	86.22	82.46	166.45	-1,569.06	-2,252.67	1,456.88	1,333.38	123.50	11.796		
9,000.00	6,840.00	11,061.00	6,986.38	88.51	82.46	166.45	-1,569.06	-2,252.67	1,556.10	1,432.49	123.62	12.588		
9,100.00	6,840.00	11,061.00	6,986.38	90.83	82.46	166.45	-1,569.06	-2,252.67	1,655.42	1,531.70	123.72	13.381		
9,200.00	6,840.00	11,061.00	6,986.38	93.16	82.46	166.45	-1,569.06	-2,252.67	1,754.81	1,631.01	123.80	14.174		
9,300.00	6,840.00	11,061.00	6,986.38	95.52	82.46	166.45	-1,569.06	-2,252.67	1,854.27	1,730.39	123.88	14.968		
9,400.00	6,840.00	11,061.00	6,986.38	97.90	82.46	166.45	-1,569.06	-2,252.67	1,953.78	1,829.83	123.95	15.763		
9,500.00	6,840.00	11,061.00	6,986.38	100.30	82.46	166.45	-1,569.06	-2,252.67	2,053.34	1,929.33	124.01	16.558		
9,600.00	6,840.00	11,061.00	6,986.38	102.72	82.46	166.45	-1,569.06	-2,252.67	2,152.94	2,028.87	124.07	17.353		
9,700.00	6,840.00	11,061.00	6,986.38	105.15	82.46	166.45	-1,569.06	-2,252.67	2,252.58	2,128.46	124.12	18.148		
9,800.00	6,840.00	11,061.00	6,986.38	107.59	82.46	166.45	-1,569.06	-2,252.67	2,352.25	2,228.07	124.18	18.943		
9,900.00	6,840.00	11,061.00	6,986.38	110.05	82.46	166.45	-1,569.06	-2,252.67	2,451.94	2,327.72	124.22	19.738		
10,000.00	6,840.00	11,061.00	6,986.38	112.52	82.46	166.45	-1,569.06	-2,252.67	2,551.66	2,427.39	124.27	20.533		
10,100.00	6,840.00	11,061.00	6,986.38	115.00	82.46	166.45	-1,569.06	-2,252.67	2,651.40	2,527.08	124.32	21.328		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ SHELTON G25-75HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 682-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		
10,200.00	6,840.00	11,061.00	6,986.38	117.50	82.46	166.45	-1,569.06	-2,252.67	2,751.16	2,626.80	124.36	22.123		
10,300.00	6,840.00	11,061.00	6,986.38	120.00	82.46	166.45	-1,569.06	-2,252.67	2,850.93	2,726.53	124.40	22.917		
10,400.00	6,840.00	11,061.00	6,986.38	122.51	82.46	166.45	-1,569.06	-2,252.67	2,950.72	2,826.28	124.44	23.712		
10,500.00	6,840.00	11,061.00	6,986.38	125.04	82.46	166.45	-1,569.06	-2,252.67	3,050.53	2,926.05	124.48	24.505		
10,600.00	6,840.00	11,061.00	6,986.38	127.57	82.46	166.45	-1,569.06	-2,252.67	3,150.35	3,025.82	124.52	25.299		
10,700.00	6,840.00	11,061.00	6,986.38	130.11	82.46	166.45	-1,569.06	-2,252.67	3,250.17	3,125.61	124.56	26.092		
10,800.00	6,840.00	11,061.00	6,986.38	132.66	82.46	166.45	-1,569.06	-2,252.67	3,350.01	3,225.41	124.60	26.885		
10,900.00	6,840.00	11,061.00	6,986.38	135.21	82.46	166.45	-1,569.06	-2,252.67	3,449.86	3,325.22	124.64	27.678		
11,000.00	6,840.00	11,061.00	6,986.38	137.77	82.46	166.45	-1,569.06	-2,252.67	3,549.72	3,425.03	124.68	28.470		
11,100.00	6,840.00	11,061.00	6,986.38	140.34	82.46	166.45	-1,569.06	-2,252.67	3,649.58	3,524.86	124.72	29.262		
11,200.00	6,840.00	11,061.00	6,986.38	142.91	82.46	166.45	-1,569.06	-2,252.67	3,749.45	3,624.69	124.76	30.053		
11,300.00	6,840.00	11,061.00	6,986.38	145.49	82.46	166.45	-1,569.06	-2,252.67	3,849.33	3,724.53	124.80	30.844		
11,400.00	6,840.00	11,061.00	6,986.38	148.07	82.46	166.45	-1,569.06	-2,252.67	3,949.21	3,824.37	124.84	31.634		
11,500.00	6,840.00	11,061.00	6,986.38	150.66	82.46	166.45	-1,569.06	-2,252.67	4,049.10	3,924.22	124.88	32.424		
11,600.00	6,840.00	11,061.00	6,986.38	153.25	82.46	166.45	-1,569.06	-2,252.67	4,149.00	4,024.08	124.92	33.214		
11,700.00	6,840.00	11,061.00	6,986.38	155.85	82.46	166.45	-1,569.06	-2,252.67	4,248.90	4,123.94	124.96	34.002		
11,800.00	6,840.00	11,061.00	6,986.38	158.45	82.46	166.45	-1,569.06	-2,252.67	4,348.80	4,223.80	125.00	34.791		
11,900.00	6,840.00	11,061.00	6,986.38	161.06	82.46	166.45	-1,569.06	-2,252.67	4,448.71	4,323.67	125.04	35.578		
12,000.00	6,840.00	11,061.00	6,986.38	163.67	82.46	166.45	-1,569.06	-2,252.67	4,548.63	4,423.55	125.08	36.366		
12,100.00	6,840.00	11,061.00	6,986.38	166.28	82.46	166.45	-1,569.06	-2,252.67	4,648.54	4,523.42	125.12	37.152		
12,200.00	6,840.00	11,061.00	6,986.38	168.90	82.46	166.45	-1,569.06	-2,252.67	4,748.46	4,623.30	125.16	37.938		
12,300.00	6,840.00	11,061.00	6,986.38	171.52	82.46	166.45	-1,569.06	-2,252.67	4,848.39	4,723.18	125.20	38.724		
12,400.00	6,840.00	11,061.00	6,986.38	174.15	82.46	166.45	-1,569.06	-2,252.67	4,948.31	4,823.07	125.25	39.508		
12,500.00	6,840.00	11,061.00	6,986.38	176.77	82.46	166.45	-1,569.06	-2,252.67	5,048.24	4,922.95	125.29	40.293		
12,600.00	6,840.00	11,061.00	6,986.38	179.40	82.46	166.45	-1,569.06	-2,252.67	5,148.17	5,022.84	125.33	41.076		
12,700.00	6,840.00	11,061.00	6,986.38	182.04	82.46	166.45	-1,569.06	-2,252.67	5,248.11	5,122.73	125.38	41.859		
12,800.00	6,840.00	11,061.00	6,986.38	184.67	82.46	166.45	-1,569.06	-2,252.67	5,348.05	5,222.63	125.42	42.641		
12,900.00	6,840.00	11,061.00	6,986.38	187.31	82.46	166.45	-1,569.06	-2,252.67	5,447.99	5,322.52	125.46	43.423		
13,000.00	6,840.00	11,061.00	6,986.38	189.95	82.46	166.45	-1,569.06	-2,252.67	5,547.93	5,422.42	125.51	44.204		
13,100.00	6,840.00	11,061.00	6,986.38	192.59	82.46	166.45	-1,569.06	-2,252.67	5,647.87	5,522.32	125.55	44.984		
13,200.00	6,840.00	11,061.00	6,986.38	195.24	82.46	166.45	-1,569.06	-2,252.67	5,747.82	5,622.22	125.60	45.764		
13,300.00	6,840.00	11,061.00	6,986.38	197.88	82.46	166.45	-1,569.06	-2,252.67	5,847.77	5,722.12	125.64	46.542		
13,400.00	6,840.00	11,061.00	6,986.38	200.53	82.46	166.45	-1,569.06	-2,252.67	5,947.71	5,822.02	125.69	47.321		
13,500.00	6,840.00	11,061.00	6,986.38	203.18	82.46	166.45	-1,569.06	-2,252.67	6,047.67	5,921.93	125.74	48.098		
13,600.00	6,840.00	11,061.00	6,986.38	205.83	82.46	166.45	-1,569.06	-2,252.67	6,147.62	6,021.83	125.78	48.875		
13,700.00	6,840.00	11,061.00	6,986.38	208.49	82.46	166.45	-1,569.06	-2,252.67	6,247.57	6,121.74	125.83	49.650		
13,800.00	6,840.00	11,061.00	6,986.38	211.14	82.46	166.45	-1,569.06	-2,252.67	6,347.53	6,221.65	125.88	50.426		
13,900.00	6,840.00	11,061.00	6,986.38	213.80	82.46	166.45	-1,569.06	-2,252.67	6,447.49	6,321.56	125.93	51.200		
14,000.00	6,840.00	11,061.00	6,986.38	216.46	82.46	166.45	-1,569.06	-2,252.67	6,547.44	6,421.47	125.98	51.974		
14,100.00	6,840.00	11,061.00	6,986.38	219.12	82.46	166.45	-1,569.06	-2,252.67	6,647.40	6,521.38	126.03	52.747		
14,200.00	6,840.00	11,061.00	6,986.38	221.78	82.46	166.45	-1,569.06	-2,252.67	6,747.36	6,621.29	126.07	53.519		
14,300.00	6,840.00	11,061.00	6,986.38	224.45	82.46	166.45	-1,569.06	-2,252.67	6,847.33	6,721.20	126.13	54.290		
14,400.00	6,840.00	11,061.00	6,986.38	227.11	82.46	166.45	-1,569.06	-2,252.67	6,947.29	6,821.11	126.18	55.060		
14,500.00	6,840.00	11,061.00	6,986.38	229.78	82.46	166.45	-1,569.06	-2,252.67	7,047.25	6,921.03	126.23	55.830		
14,600.00	6,840.00	11,061.00	6,986.38	232.45	82.46	166.45	-1,569.06	-2,252.67	7,147.22	7,020.94	126.28	56.599		
14,700.00	6,840.00	11,061.00	6,986.38	235.12	82.46	166.45	-1,569.06	-2,252.67	7,247.18	7,120.85	126.33	57.367		
14,800.00	6,840.00	11,061.00	6,986.38	237.79	82.46	166.45	-1,569.06	-2,252.67	7,347.15	7,220.77	126.38	58.134		
14,900.00	6,840.00	11,061.00	6,986.38	240.46	82.46	166.45	-1,569.06	-2,252.67	7,447.12	7,320.68	126.43	58.901		
15,000.00	6,840.00	11,061.00	6,986.38	243.13	82.46	166.45	-1,569.06	-2,252.67	7,547.09	7,420.60	126.49	59.666		
15,100.00	6,840.00	11,061.00	6,986.38	245.80	82.46	166.45	-1,569.06	-2,252.67	7,647.06	7,520.51	126.54	60.431		
15,200.00	6,840.00	11,061.00	6,986.38	248.48	82.46	166.45	-1,569.06	-2,252.67	7,747.03	7,620.43	126.60	61.195		
15,300.00	6,840.00	11,061.00	6,986.38	251.15	82.46	166.45	-1,569.06	-2,252.67	7,847.00	7,720.35	126.65	61.958		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ SHELTON G25-75HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 682-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		
15,400.00	6,840.00	11,061.00	6,986.38	253.83	82.46	166.45	-1,569.06	-2,252.67	7,946.97	7,820.26	126.71	62.720		
15,500.00	6,840.00	11,061.00	6,986.38	256.51	82.46	166.45	-1,569.06	-2,252.67	8,046.94	7,920.18	126.76	63.481		
15,600.00	6,840.00	11,061.00	6,986.38	259.19	82.46	166.45	-1,569.06	-2,252.67	8,146.92	8,020.10	126.82	64.242		
15,700.00	6,840.00	11,061.00	6,986.38	261.87	82.46	166.45	-1,569.06	-2,252.67	8,246.89	8,120.02	126.87	65.001		
15,800.00	6,840.00	11,061.00	6,986.38	264.55	82.46	166.45	-1,569.06	-2,252.67	8,346.86	8,219.93	126.93	65.760		
15,900.00	6,840.00	11,061.00	6,986.38	267.23	82.46	166.45	-1,569.06	-2,252.67	8,446.84	8,319.85	126.99	66.517		
16,000.00	6,840.00	11,061.00	6,986.38	269.91	82.46	166.45	-1,569.06	-2,252.67	8,546.81	8,419.77	127.04	67.274		
16,100.00	6,840.00	11,061.00	6,986.38	272.59	82.46	166.45	-1,569.06	-2,252.67	8,646.79	8,519.69	127.10	68.030		
16,200.00	6,840.00	11,061.00	6,986.38	275.28	82.46	166.45	-1,569.06	-2,252.67	8,746.77	8,619.61	127.16	68.785		
16,300.00	6,840.00	11,061.00	6,986.38	277.96	82.46	166.45	-1,569.06	-2,252.67	8,846.74	8,719.52	127.22	69.539		
16,400.00	6,840.00	11,061.00	6,986.38	280.64	82.46	166.45	-1,569.06	-2,252.67	8,946.72	8,819.44	127.28	70.292		
16,500.00	6,840.00	11,061.00	6,986.38	283.33	82.46	166.45	-1,569.06	-2,252.67	9,046.70	8,919.36	127.34	71.044		
16,600.00	6,840.00	11,061.00	6,986.38	286.02	82.46	166.45	-1,569.06	-2,252.67	9,146.68	9,019.28	127.40	71.795		
16,700.00	6,840.00	11,061.00	6,986.38	288.70	82.46	166.45	-1,569.06	-2,252.67	9,246.66	9,119.20	127.46	72.545		
16,800.00	6,840.00	11,061.00	6,986.38	291.39	82.46	166.45	-1,569.06	-2,252.67	9,346.64	9,219.12	127.52	73.295		
16,900.00	6,840.00	11,061.00	6,986.38	294.08	82.46	166.45	-1,569.06	-2,252.67	9,446.62	9,319.04	127.58	74.043		
17,000.00	6,840.00	11,061.00	6,986.38	296.77	82.46	166.45	-1,569.06	-2,252.67	9,546.60	9,418.95	127.64	74.790		
17,100.00	6,840.00	11,061.00	6,986.38	299.46	82.46	166.45	-1,569.06	-2,252.67	9,646.58	9,518.87	127.71	75.537		
17,200.00	6,840.00	11,061.00	6,986.38	302.14	82.46	166.45	-1,569.06	-2,252.67	9,746.56	9,618.79	127.77	76.282		
17,300.00	6,840.00	11,061.00	6,986.38	304.84	82.46	166.45	-1,569.06	-2,252.67	9,846.54	9,718.71	127.83	77.027		
17,400.00	6,840.00	11,061.00	6,986.38	307.53	82.46	166.45	-1,569.06	-2,252.67	9,946.52	9,818.63	127.90	77.770		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ SHELTON PC G24-75HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 679-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	37.00	-37.00	0.00	0.06	-36.44	2,891.21	-2,134.44	3,593.73					
100.00	100.00	63.00	63.00	0.13	0.11	-36.44	2,891.21	-2,134.44	3,593.73	3,593.49	0.24	N/A		
200.00	200.00	163.00	163.00	0.49	0.28	-36.44	2,891.21	-2,134.44	3,593.73	3,592.96	0.77	4,654.221		
300.00	300.00	263.00	263.00	0.85	0.45	-36.44	2,891.21	-2,134.44	3,593.73	3,592.43	1.30	2,760.305 CC		
400.00	399.98	362.98	362.98	1.20	0.62	91.64	2,891.21	-2,134.44	3,593.78	3,591.96	1.82	1,975.339		
500.00	499.84	462.84	462.84	1.55	0.79	91.72	2,891.21	-2,134.44	3,593.94	3,591.60	2.34	1,537.987		
600.00	599.45	562.45	562.45	1.91	0.96	91.85	2,891.21	-2,134.44	3,594.21	3,591.34	2.87	1,251.993		
700.00	698.70	661.70	661.70	2.29	1.13	92.04	2,891.21	-2,134.44	3,594.63	3,591.20	3.42	1,049.584 ES		
800.00	797.47	737.22	737.22	2.70	1.37	92.21	2,891.37	-2,134.53	3,595.49	3,591.41	4.07	882.889		
900.00	895.62	813.00	812.99	3.14	1.64	92.41	2,892.09	-2,134.92	3,597.33	3,592.54	4.78	751.957		
1,000.00	993.06	911.51	911.49	3.62	1.99	92.72	2,893.35	-2,135.47	3,599.75	3,594.14	5.61	641.335		
1,100.00	1,089.64	1,017.72	1,017.70	4.14	2.37	93.11	2,894.59	-2,135.74	3,602.26	3,595.75	6.51	553.337		
1,200.00	1,185.27	1,123.95	1,123.92	4.70	2.75	93.56	2,895.69	-2,135.69	3,604.91	3,597.46	7.45	483.985		
1,300.00	1,279.82	1,231.53	1,231.50	5.31	3.12	94.07	2,896.43	-2,135.55	3,607.72	3,599.29	8.43	427.849		
1,400.00	1,373.17	1,337.93	1,337.90	5.98	3.49	94.62	2,896.71	-2,135.39	3,610.77	3,601.31	9.46	381.574		
1,500.00	1,465.22	1,425.45	1,425.42	6.70	3.80	95.09	2,896.73	-2,135.26	3,614.32	3,603.84	10.48	344.843		
1,600.00	1,556.72	1,506.64	1,506.61	7.45	4.08	95.61	2,896.97	-2,135.23	3,618.67	3,607.16	11.51	314.433		
1,700.00	1,648.21	1,587.76	1,587.73	8.21	4.37	96.13	2,897.42	-2,135.27	3,623.73	3,611.18	12.55	288.827		
1,800.00	1,739.71	1,668.81	1,668.77	8.99	4.65	96.65	2,898.09	-2,135.40	3,629.50	3,615.90	13.59	267.020		
1,900.00	1,831.20	1,741.00	1,740.96	9.77	4.91	97.11	2,898.84	-2,135.64	3,635.98	3,621.37	14.62	248.777		
2,000.00	1,922.69	1,780.73	1,780.68	10.56	5.05	97.36	2,899.55	-2,136.02	3,643.84	3,628.32	15.52	234.770		
2,100.00	2,014.19	1,836.00	1,835.90	11.35	5.25	97.71	2,901.44	-2,137.25	3,653.66	3,637.18	16.48	221.674		
2,200.00	2,105.68	1,862.81	1,862.67	12.14	5.34	97.88	2,902.65	-2,138.05	3,664.98	3,647.64	17.33	211.441		
2,300.00	2,197.18	1,930.00	1,929.74	12.94	5.58	98.29	2,906.17	-2,140.20	3,677.74	3,659.41	18.33	200.591		
2,400.00	2,288.67	1,964.89	1,964.54	13.74	5.71	98.51	2,908.37	-2,141.42	3,691.86	3,672.66	19.21	192.222		
2,500.00	2,380.17	2,025.00	2,024.41	14.54	5.93	98.89	2,913.06	-2,143.84	3,707.76	3,687.59	20.17	183.808		
2,600.00	2,471.66	2,049.43	2,048.72	15.35	6.02	99.04	2,915.29	-2,144.88	3,725.04	3,704.05	20.99	177.496		
2,700.00	2,563.16	2,096.54	2,095.54	16.15	6.19	99.34	2,920.09	-2,146.77	3,743.90	3,722.02	21.89	171.068		
2,800.00	2,654.65	2,120.00	2,118.84	16.96	6.27	99.49	2,922.73	-2,147.65	3,764.36	3,741.68	22.67	166.020		
2,900.00	2,746.15	2,171.22	2,169.61	17.76	6.47	99.82	2,929.20	-2,149.69	3,786.30	3,762.73	23.57	160.618		
3,000.00	2,837.64	2,215.00	2,212.87	18.57	6.63	100.11	2,935.57	-2,151.69	3,810.09	3,785.66	24.43	155.955		
3,100.00	2,929.14	2,215.00	2,212.87	19.38	6.63	100.11	2,935.57	-2,151.69	3,835.68	3,810.61	25.07	152.973		
3,200.00	3,020.63	2,264.32	2,261.43	20.19	6.82	100.42	2,943.72	-2,154.45	3,862.74	3,836.80	25.94	148.939		
3,300.00	3,112.13	2,310.00	2,306.20	21.00	7.00	100.71	2,952.23	-2,157.64	3,891.81	3,865.04	26.77	145.384		
3,400.00	3,203.62	2,347.88	2,343.23	21.81	7.15	100.95	2,959.69	-2,160.43	3,922.23	3,894.68	27.56	142.341		
3,500.00	3,295.12	2,404.00	2,398.11	22.63	7.38	101.30	2,970.84	-2,164.16	3,953.43	3,925.00	28.42	139.091		
3,600.00	3,386.61	2,462.51	2,455.22	23.44	7.62	101.68	2,983.01	-2,167.78	3,985.63	3,956.33	29.30	136.044		
3,700.00	3,478.10	2,509.45	2,500.90	24.25	7.82	101.97	2,993.45	-2,170.70	4,019.25	3,989.15	30.10	133.526		
3,800.00	3,569.60	2,613.71	2,602.31	25.06	8.27	102.63	3,016.81	-2,177.02	4,053.41	4,022.20	31.21	129.888		
3,900.00	3,661.09	2,637.29	2,625.18	25.88	8.38	102.78	3,022.35	-2,178.55	4,088.55	4,056.67	31.87	128.283		
4,000.00	3,752.59	2,690.00	2,676.17	26.69	8.61	103.11	3,035.19	-2,182.16	4,125.14	4,092.45	32.68	126.210		
4,100.00	3,844.08	2,727.69	2,712.54	27.50	8.79	103.34	3,044.68	-2,184.93	4,162.82	4,129.41	33.41	124.616		
4,200.00	3,935.58	2,817.48	2,799.15	28.32	9.21	103.88	3,067.32	-2,191.84	4,201.20	4,166.78	34.42	122.053		
4,300.00	4,027.07	3,104.72	3,078.01	29.13	9.57	105.54	3,132.95	-2,212.01	4,237.87	4,201.30	36.57	115.893		
4,400.00	4,118.57	3,605.89	3,570.89	29.95	12.79	108.19	3,214.64	-2,244.88	4,272.11	4,232.39	39.72	107.549		
4,500.00	4,210.06	4,253.76	4,217.16	30.76	15.06	111.58	3,245.68	-2,251.83	4,289.18	4,246.24	42.94	99.877		
4,600.00	4,301.56	4,351.95	4,315.34	31.58	15.36	112.09	3,244.78	-2,250.64	4,304.11	4,260.15	43.96	97.913		
4,700.00	4,393.05	4,436.25	4,399.63	32.39	15.62	112.52	3,244.02	-2,249.88	4,319.46	4,274.54	44.92	96.156		
4,800.00	4,484.55	4,520.70	4,484.08	33.21	15.87	112.95	3,243.34	-2,249.39	4,335.28	4,289.40	45.88	94.492		
4,900.00	4,576.04	4,612.14	4,575.51	34.02	16.15	113.40	3,242.67	-2,249.14	4,351.54	4,304.69	46.86	92.869		
5,000.00	4,667.54	4,728.30	4,691.66	34.84	16.51	113.98	3,241.49	-2,248.44	4,367.81	4,319.90	47.91	91.165		
5,100.00	4,759.03	4,844.23	4,807.57	35.65	16.87	114.56	3,239.80	-2,247.05	4,383.87	4,334.91	48.96	89.544		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ SHELTON PC G24-75HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 679-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	4,850.53	4,927.82	4,891.15	36.47	17.12	114.97	3,238.41	-2,245.72	4,399.99	4,350.09	49.90	88.180		
5,300.00	4,942.02	5,019.06	4,982.36	37.28	17.41	115.43	3,237.13	-2,244.42	4,416.69	4,365.83	50.86	86.842		
5,400.00	5,033.51	5,131.24	5,094.52	38.10	17.76	115.97	3,235.09	-2,243.27	4,433.38	4,381.50	51.88	85.447		
5,500.00	5,125.01	5,244.12	5,207.36	38.92	18.11	116.51	3,232.40	-2,242.65	4,449.94	4,397.04	52.91	84.106		
5,600.00	5,216.50	5,294.70	5,257.93	39.73	18.27	116.74	3,231.23	-2,242.53	4,466.95	4,413.23	53.73	83.144		
5,700.00	5,308.00	5,347.00	5,310.23	40.55	18.43	116.99	3,230.62	-2,242.51	4,485.19	4,430.66	54.54	82.239		
5,800.00	5,399.49	5,429.52	5,392.75	41.36	18.70	117.37	3,230.06	-2,242.72	4,504.25	4,448.80	55.45	81.226		
5,900.00	5,490.99	5,526.37	5,489.59	42.18	19.01	117.81	3,229.24	-2,243.44	4,523.50	4,467.09	56.42	80.183		
6,000.00	5,582.48	5,623.67	5,586.87	43.00	19.32	118.24	3,228.23	-2,244.69	4,542.91	4,485.53	57.38	79.178		
6,100.00	5,673.98	5,740.25	5,703.44	43.81	19.70	118.75	3,226.64	-2,246.27	4,562.27	4,503.87	58.40	78.117		
6,200.00	5,765.47	5,858.29	5,821.45	44.63	20.08	119.26	3,224.44	-2,247.28	4,581.36	4,521.93	59.43	77.090		
6,300.00	5,856.97	5,955.94	5,919.07	45.45	20.39	119.69	3,222.23	-2,247.69	4,600.28	4,539.91	60.38	76.193		
6,400.00	5,948.46	6,034.00	5,997.11	46.26	20.65	120.03	3,220.64	-2,247.88	4,619.64	4,558.39	61.25	75.422		
6,500.00	6,039.96	6,111.88	6,074.98	47.08	20.90	120.37	3,219.29	-2,247.99	4,639.52	4,577.41	62.12	74.688		
6,600.00	6,131.45	6,189.67	6,152.77	47.90	21.15	120.71	3,218.19	-2,248.03	4,659.94	4,596.96	62.98	73.990		
6,700.00	6,222.95	6,265.28	6,228.37	48.71	21.40	121.04	3,217.30	-2,247.75	4,680.79	4,616.96	63.83	73.334		
6,800.00	6,314.44	6,293.00	6,256.09	49.53	21.49	121.16	3,217.14	-2,247.66	4,702.67	4,638.18	64.49	72.922		
6,900.00	6,405.93	6,293.00	6,256.09	50.35	21.49	121.16	3,217.14	-2,247.66	4,726.40	4,661.38	65.02	72.691		
7,000.00	6,497.01	6,314.78	6,277.87	51.18	21.57	115.23	3,217.53	-2,247.62	4,751.40	4,685.76	65.63	72.392		
7,100.00	6,582.62	6,341.00	6,304.03	52.20	21.66	104.27	3,219.19	-2,247.51	4,776.12	4,709.70	66.42	71.908		
7,200.00	6,659.25	6,341.00	6,304.03	53.42	21.66	97.06	3,219.19	-2,247.51	4,798.34	4,731.07	67.27	71.325		
7,300.00	6,724.59	6,341.00	6,304.03	54.84	21.66	92.07	3,219.19	-2,247.51	4,818.12	4,749.82	68.30	70.541		
7,400.00	6,776.64	6,341.00	6,304.03	56.40	21.66	88.55	3,219.19	-2,247.51	4,834.90	4,765.41	69.49	69.579		
7,500.00	6,813.82	6,341.00	6,304.03	58.08	21.66	86.14	3,219.19	-2,247.51	4,848.20	4,777.39	70.80	68.473		
7,600.00	6,835.01	6,341.00	6,304.03	59.82	21.66	84.66	3,219.19	-2,247.51	4,857.64	4,785.43	72.21	67.267		
7,700.00	6,840.00	6,341.00	6,304.03	61.57	21.66	84.10	3,219.19	-2,247.51	4,863.14	4,789.47	73.67	66.012		
7,800.00	6,840.00	6,341.00	6,304.03	63.35	21.66	84.10	3,219.19	-2,247.51	4,868.82	4,793.66	75.16	64.781		
7,900.00	6,840.00	6,341.00	6,304.03	65.20	21.66	84.10	3,219.19	-2,247.51	4,876.55	4,799.88	76.67	63.602		
8,000.00	6,840.00	6,341.00	6,304.03	67.10	21.66	84.10	3,219.19	-2,247.51	4,886.32	4,808.11	78.21	62.478		
8,100.00	6,840.00	6,341.00	6,304.03	69.05	21.66	84.10	3,219.19	-2,247.51	4,898.10	4,818.34	79.76	61.410		
8,200.00	6,840.00	6,341.00	6,304.03	71.06	21.66	84.10	3,219.19	-2,247.51	4,911.90	4,830.58	81.32	60.401		
8,300.00	6,840.00	6,341.00	6,304.03	73.11	21.66	84.10	3,219.19	-2,247.51	4,927.68	4,844.80	82.89	59.450		
8,400.00	6,840.00	6,341.00	6,304.03	75.21	21.66	84.10	3,219.19	-2,247.51	4,945.44	4,860.99	84.45	58.558		
8,500.00	6,840.00	6,341.00	6,304.03	77.34	21.66	84.10	3,219.19	-2,247.51	4,965.15	4,879.14	86.01	57.725		
8,600.00	6,840.00	6,341.00	6,304.03	79.51	21.66	84.10	3,219.19	-2,247.51	4,986.79	4,899.22	87.57	56.949		
8,700.00	6,840.00	6,341.00	6,304.03	81.72	21.66	84.10	3,219.19	-2,247.51	5,010.33	4,921.22	89.11	56.229		
8,800.00	6,840.00	6,341.00	6,304.03	83.95	21.66	84.10	3,219.19	-2,247.51	5,035.74	4,945.11	90.63	55.563		
8,900.00	6,840.00	6,341.00	6,304.03	86.22	21.66	84.10	3,219.19	-2,247.51	5,063.01	4,970.87	92.14	54.951		
9,000.00	6,840.00	6,341.00	6,304.03	88.51	21.66	84.10	3,219.19	-2,247.51	5,092.09	4,998.47	93.62	54.390		
9,100.00	6,840.00	6,341.00	6,304.03	90.83	21.66	84.10	3,219.19	-2,247.51	5,122.96	5,027.88	95.08	53.879		
9,200.00	6,840.00	6,341.00	6,304.03	93.16	21.66	84.10	3,219.19	-2,247.51	5,155.58	5,059.06	96.52	53.416		
9,300.00	6,840.00	6,341.00	6,304.03	95.52	21.66	84.10	3,219.19	-2,247.51	5,189.93	5,092.00	97.93	52.998		
9,400.00	6,840.00	6,341.00	6,304.03	97.90	21.66	84.10	3,219.19	-2,247.51	5,225.96	5,126.66	99.31	52.625		
9,500.00	6,840.00	6,341.00	6,304.03	100.30	21.66	84.10	3,219.19	-2,247.51	5,263.65	5,162.99	100.66	52.293		
9,600.00	6,840.00	6,341.00	6,304.03	102.72	21.66	84.10	3,219.19	-2,247.51	5,302.96	5,200.98	101.98	52.002		
9,700.00	6,840.00	6,341.00	6,304.03	105.15	21.66	84.10	3,219.19	-2,247.51	5,343.84	5,240.58	103.26	51.750		
9,800.00	6,840.00	6,341.00	6,304.03	107.59	21.66	84.10	3,219.19	-2,247.51	5,386.28	5,281.76	104.52	51.535		
9,900.00	6,840.00	6,341.00	6,304.03	110.05	21.66	84.10	3,219.19	-2,247.51	5,430.22	5,324.48	105.74	51.355		
10,000.00	6,840.00	6,341.00	6,304.03	112.52	21.66	84.10	3,219.19	-2,247.51	5,475.64	5,368.71	106.93	51.209		
10,100.00	6,840.00	6,341.00	6,304.03	115.00	21.66	84.10	3,219.19	-2,247.51	5,522.50	5,414.42	108.08	51.095		
10,200.00	6,840.00	6,341.00	6,304.03	117.50	21.66	84.10	3,219.19	-2,247.51	5,570.76	5,461.55	109.21	51.012		
10,300.00	6,840.00	6,341.00	6,304.03	120.00	21.66	84.10	3,219.19	-2,247.51	5,620.38	5,510.08	110.29	50.958		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ SHELTON PC G24-75HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 679-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		
10,400.00	6,840.00	6,341.00	6,304.03	122.51	21.66	84.10	3,219.19	-2,247.51	5,671.33	5,559.98	111.35	50.932 SF		
10,500.00	6,840.00	6,341.00	6,304.03	125.04	21.66	84.10	3,219.19	-2,247.51	5,723.57	5,611.20	112.37	50.934		
10,600.00	6,840.00	6,341.00	6,304.03	127.57	21.66	84.10	3,219.19	-2,247.51	5,777.08	5,663.71	113.36	50.960		
10,700.00	6,840.00	6,341.00	6,304.03	130.11	21.66	84.10	3,219.19	-2,247.51	5,831.81	5,717.48	114.32	51.011		
10,800.00	6,840.00	6,341.00	6,304.03	132.66	21.66	84.10	3,219.19	-2,247.51	5,887.72	5,772.47	115.25	51.086		
10,900.00	6,840.00	6,341.00	6,304.03	135.21	21.66	84.10	3,219.19	-2,247.51	5,944.80	5,828.65	116.15	51.183		
11,000.00	6,840.00	6,341.00	6,304.03	137.77	21.66	84.10	3,219.19	-2,247.51	6,003.00	5,885.98	117.02	51.301		
11,100.00	6,840.00	6,341.00	6,304.03	140.34	21.66	84.10	3,219.19	-2,247.51	6,062.28	5,944.43	117.85	51.439		
11,200.00	6,840.00	6,341.00	6,304.03	142.91	21.66	84.10	3,219.19	-2,247.51	6,122.63	6,003.97	118.66	51.597		
11,300.00	6,840.00	6,341.00	6,304.03	145.49	21.66	84.10	3,219.19	-2,247.51	6,184.01	6,064.56	119.44	51.773		
11,400.00	6,840.00	6,341.00	6,304.03	148.07	21.66	84.10	3,219.19	-2,247.51	6,246.38	6,126.18	120.20	51.968		
11,500.00	6,840.00	6,341.00	6,304.03	150.66	21.66	84.10	3,219.19	-2,247.51	6,309.72	6,188.80	120.92	52.179		
11,600.00	6,840.00	6,341.00	6,304.03	153.25	21.66	84.10	3,219.19	-2,247.51	6,374.00	6,252.38	121.63	52.406		
11,700.00	6,840.00	6,341.00	6,304.03	155.85	21.66	84.10	3,219.19	-2,247.51	6,439.20	6,316.89	122.30	52.650		
11,800.00	6,840.00	6,341.00	6,304.03	158.45	21.66	84.10	3,219.19	-2,247.51	6,505.27	6,382.32	122.96	52.908		
11,900.00	6,840.00	6,341.00	6,304.03	161.06	21.66	84.10	3,219.19	-2,247.51	6,572.21	6,448.62	123.58	53.180		
12,000.00	6,840.00	6,341.00	6,304.03	163.67	21.66	84.10	3,219.19	-2,247.51	6,639.97	6,515.78	124.19	53.466		
12,100.00	6,840.00	6,341.00	6,304.03	166.28	21.66	84.10	3,219.19	-2,247.51	6,708.54	6,583.77	124.77	53.765		
12,200.00	6,840.00	6,341.00	6,304.03	168.90	21.66	84.10	3,219.19	-2,247.51	6,777.90	6,652.56	125.34	54.077		
12,300.00	6,840.00	6,341.00	6,304.03	171.52	21.66	84.10	3,219.19	-2,247.51	6,848.01	6,722.13	125.88	54.401		
12,400.00	6,840.00	6,341.00	6,304.03	174.15	21.66	84.10	3,219.19	-2,247.51	6,918.86	6,792.45	126.40	54.737		
12,500.00	6,840.00	6,341.00	6,304.03	176.77	21.66	84.10	3,219.19	-2,247.51	6,990.41	6,863.51	126.91	55.083		
12,600.00	6,840.00	6,341.00	6,304.03	179.40	21.66	84.10	3,219.19	-2,247.51	7,062.66	6,935.27	127.39	55.441		
12,700.00	6,840.00	6,341.00	6,304.03	182.04	21.66	84.10	3,219.19	-2,247.51	7,135.58	7,007.72	127.86	55.808		
12,800.00	6,840.00	6,341.00	6,304.03	184.67	21.66	84.10	3,219.19	-2,247.51	7,209.15	7,080.84	128.31	56.186		
12,900.00	6,840.00	6,341.00	6,304.03	187.31	21.66	84.10	3,219.19	-2,247.51	7,283.35	7,154.61	128.74	56.573		
13,000.00	6,840.00	6,341.00	6,304.03	189.95	21.66	84.10	3,219.19	-2,247.51	7,358.16	7,229.00	129.16	56.969		
13,100.00	6,840.00	6,341.00	6,304.03	192.59	21.66	84.10	3,219.19	-2,247.51	7,433.56	7,304.00	129.56	57.374		
13,200.00	6,840.00	6,341.00	6,304.03	195.24	21.66	84.10	3,219.19	-2,247.51	7,509.54	7,379.59	129.95	57.787		
13,300.00	6,840.00	6,341.00	6,304.03	197.88	21.66	84.10	3,219.19	-2,247.51	7,586.07	7,455.75	130.33	58.208		
13,400.00	6,840.00	6,341.00	6,304.03	200.53	21.66	84.10	3,219.19	-2,247.51	7,663.15	7,532.46	130.69	58.637		
13,500.00	6,840.00	6,341.00	6,304.03	203.18	21.66	84.10	3,219.19	-2,247.51	7,740.75	7,609.71	131.03	59.074		
13,600.00	6,840.00	6,341.00	6,304.03	205.83	21.66	84.10	3,219.19	-2,247.51	7,818.86	7,687.49	131.37	59.518		
13,700.00	6,840.00	6,341.00	6,304.03	208.49	21.66	84.10	3,219.19	-2,247.51	7,897.46	7,765.76	131.69	59.969		
13,800.00	6,840.00	6,341.00	6,304.03	211.14	21.66	84.10	3,219.19	-2,247.51	7,976.54	7,844.53	132.00	60.426		
13,900.00	6,840.00	6,341.00	6,304.03	213.80	21.66	84.10	3,219.19	-2,247.51	8,056.08	7,923.78	132.30	60.890		
14,000.00	6,840.00	6,341.00	6,304.03	216.46	21.66	84.10	3,219.19	-2,247.51	8,136.08	8,003.49	132.59	61.361		
14,100.00	6,840.00	6,341.00	6,304.03	219.12	21.66	84.10	3,219.19	-2,247.51	8,216.52	8,083.64	132.87	61.837		
14,200.00	6,840.00	6,341.00	6,304.03	221.78	21.66	84.10	3,219.19	-2,247.51	8,297.38	8,164.23	133.14	62.319		
14,300.00	6,840.00	6,341.00	6,304.03	224.45	21.66	84.10	3,219.19	-2,247.51	8,378.65	8,245.25	133.40	62.807		
14,400.00	6,840.00	6,341.00	6,304.03	227.11	21.66	84.10	3,219.19	-2,247.51	8,460.33	8,326.67	133.65	63.300		
14,500.00	6,840.00	6,341.00	6,304.03	229.78	21.66	84.10	3,219.19	-2,247.51	8,542.39	8,408.50	133.90	63.798		
14,600.00	6,840.00	6,341.00	6,304.03	232.45	21.66	84.10	3,219.19	-2,247.51	8,624.84	8,490.71	134.13	64.302		
14,700.00	6,840.00	6,341.00	6,304.03	235.12	21.66	84.10	3,219.19	-2,247.51	8,707.65	8,573.29	134.36	64.810		
14,800.00	6,840.00	6,341.00	6,304.03	237.79	21.66	84.10	3,219.19	-2,247.51	8,790.82	8,656.24	134.57	65.323		
14,900.00	6,840.00	6,341.00	6,304.03	240.46	21.66	84.10	3,219.19	-2,247.51	8,874.33	8,739.55	134.79	65.841		
15,000.00	6,840.00	6,341.00	6,304.03	243.13	21.66	84.10	3,219.19	-2,247.51	8,958.19	8,823.20	134.99	66.363		
15,100.00	6,840.00	6,341.00	6,304.03	245.80	21.66	84.10	3,219.19	-2,247.51	9,042.37	8,907.18	135.19	66.889		
15,200.00	6,840.00	6,341.00	6,304.03	248.48	21.66	84.10	3,219.19	-2,247.51	9,126.87	8,991.50	135.38	67.419		
15,300.00	6,840.00	6,341.00	6,304.03	251.15	21.66	84.10	3,219.19	-2,247.51	9,211.68	9,076.12	135.56	67.953		
15,400.00	6,840.00	6,341.00	6,304.03	253.83	21.66	84.10	3,219.19	-2,247.51	9,296.80	9,161.06	135.74	68.491		
15,500.00	6,840.00	6,341.00	6,304.03	256.51	21.66	84.10	3,219.19	-2,247.51	9,382.20	9,246.30	135.91	69.033		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		SEC 25-T4N-R65W - EXIST HZ SHELTON PC G24-75HN - OWB - FINAL SURVEY										Offset Site Error:	0.00 usft
Survey Program:		679-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	
15,600.00	6,840.00	6,341.00	6,304.03	259.19	21.66	84.10	3,219.19	-2,247.51	9,467.90	9,331.82	136.08	69.578	
15,700.00	6,840.00	6,341.00	6,304.03	261.87	21.66	84.10	3,219.19	-2,247.51	9,553.87	9,417.63	136.24	70.127	
15,800.00	6,840.00	6,341.00	6,304.03	264.55	21.66	84.10	3,219.19	-2,247.51	9,640.11	9,503.72	136.39	70.679	
15,900.00	6,840.00	6,341.00	6,304.03	267.23	21.66	84.10	3,219.19	-2,247.51	9,726.62	9,590.07	136.54	71.234	
16,000.00	6,840.00	6,341.00	6,304.03	269.91	21.66	84.10	3,219.19	-2,247.51	9,813.38	9,676.69	136.69	71.793	
16,100.00	6,840.00	6,341.00	6,304.03	272.59	21.66	84.10	3,219.19	-2,247.51	9,900.39	9,763.56	136.83	72.355	
16,200.00	6,840.00	6,341.00	6,304.03	275.28	21.66	84.10	3,219.19	-2,247.51	9,987.65	9,850.68	136.97	72.919	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ SHLETON PC G25-74-1HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 652-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	35.00	-35.00	0.00	0.06	-35.57	2,891.20	-2,067.49	3,554.37					
100.00	100.00	65.00	65.00	0.13	0.11	-35.57	2,891.20	-2,067.49	3,554.37	3,554.12	0.25	N/A		
200.00	200.00	165.00	165.00	0.49	0.28	-35.57	2,891.20	-2,067.49	3,554.37	3,553.59	0.78	4,586.106		
300.00	300.00	265.00	265.00	0.85	0.45	-35.57	2,891.20	-2,067.49	3,554.37	3,553.07	1.30	2,724.719		
400.00	399.98	364.98	364.98	1.20	0.62	92.51	2,891.20	-2,067.49	3,554.45	3,552.62	1.82	1,951.316		
500.00	499.84	464.84	464.84	1.55	0.79	92.59	2,891.20	-2,067.49	3,554.68	3,552.34	2.34	1,519.936		
600.00	599.45	564.45	564.45	1.91	0.97	92.72	2,891.20	-2,067.49	3,555.08	3,552.21	2.87	1,237.680		
700.00	698.70	663.70	663.70	2.29	1.13	92.90	2,891.20	-2,067.49	3,555.69	3,552.26	3.43	1,037.844		
800.00	797.47	747.47	747.47	2.70	1.45	93.08	2,890.93	-2,068.38	3,556.84	3,552.70	4.15	857.659		
900.00	895.62	852.59	852.57	3.14	1.81	93.35	2,890.39	-2,069.76	3,558.26	3,553.31	4.95	718.661		
1,000.00	993.06	956.97	956.94	3.62	2.17	93.68	2,889.71	-2,070.99	3,559.81	3,554.02	5.79	614.925		
1,100.00	1,089.64	1,068.24	1,068.21	4.14	2.56	94.09	2,888.94	-2,071.85	3,561.48	3,554.79	6.69	532.294		
1,200.00	1,185.27	1,182.02	1,181.99	4.70	2.95	94.59	2,888.45	-2,071.28	3,563.12	3,555.48	7.65	466.045		
1,300.00	1,279.82	1,293.55	1,293.50	5.31	3.33	95.16	2,888.29	-2,069.21	3,564.86	3,556.22	8.64	412.604		
1,400.00	1,373.17	1,408.52	1,408.22	5.98	3.73	95.89	2,890.64	-2,062.39	3,567.00	3,557.30	9.70	367.797		
1,500.00	1,465.22	1,513.04	1,512.03	6.70	4.11	96.67	2,894.83	-2,050.97	3,569.08	3,558.30	10.78	331.023		
1,600.00	1,556.72	1,592.58	1,590.52	7.45	4.41	97.36	2,899.94	-2,039.25	3,572.19	3,560.37	11.82	302.229		
1,700.00	1,648.21	1,689.11	1,685.32	8.21	4.79	98.24	2,907.48	-2,022.67	3,576.11	3,563.16	12.95	276.193		
1,800.00	1,739.71	1,984.70	1,972.60	8.99	6.09	101.07	2,926.69	-1,956.17	3,576.90	3,561.94	14.96	239.038		
1,900.00	1,831.20	2,047.34	2,033.41	9.77	6.39	101.67	2,929.46	-1,941.38	3,577.83	3,561.81	16.02	223.335		
2,000.00	1,922.69	2,099.46	2,083.98	10.56	6.64	102.17	2,932.20	-1,929.04	3,580.31	3,563.28	17.04	210.171		
2,100.00	2,014.19	2,180.92	2,162.83	11.35	7.04	102.96	2,937.21	-1,909.24	3,584.23	3,566.04	18.20	196.987		
2,200.00	2,105.68	2,242.03	2,221.81	12.14	7.35	103.56	2,941.17	-1,893.73	3,589.10	3,569.84	19.26	186.349		
2,300.00	2,197.18	2,284.37	2,262.92	12.94	7.56	103.97	2,943.92	-1,883.97	3,595.74	3,575.51	20.23	177.738		
2,400.00	2,288.67	2,400.00	2,352.93	13.74	8.14	104.84	2,949.84	-1,863.70	3,603.65	3,582.10	21.55	167.212		
2,500.00	2,380.17	2,479.20	2,452.08	14.54	8.55	105.83	2,956.43	-1,839.16	3,611.88	3,589.18	22.70	159.095		
2,600.00	2,471.66	2,554.36	2,524.63	15.35	8.95	106.56	2,961.66	-1,820.22	3,621.20	3,597.36	23.84	151.891		
2,700.00	2,563.16	2,628.86	2,596.35	16.15	9.36	107.29	2,967.13	-1,800.82	3,631.61	3,606.63	24.98	145.398		
2,800.00	2,654.65	2,699.19	2,663.88	16.96	9.75	107.99	2,972.60	-1,781.96	3,643.18	3,617.09	26.09	139.640		
2,900.00	2,746.15	2,764.34	2,726.44	17.76	10.12	108.64	2,977.84	-1,764.54	3,656.04	3,628.87	27.17	134.561		
3,000.00	2,837.64	2,829.53	2,789.13	18.57	10.48	109.28	2,983.19	-1,747.50	3,670.20	3,641.96	28.24	129.968		
3,100.00	2,929.14	2,893.94	2,851.19	19.38	10.84	109.90	2,988.58	-1,731.09	3,685.64	3,656.35	29.29	125.818		
3,200.00	3,020.63	2,954.86	2,908.89	20.19	11.18	110.49	2,993.90	-1,715.70	3,702.41	3,672.09	30.32	122.123		
3,300.00	3,112.13	3,117.14	3,066.75	21.00	12.08	112.02	3,006.06	-1,675.94	3,719.24	3,687.36	31.88	116.661		
3,400.00	3,203.62	3,202.37	3,148.94	21.81	12.55	112.82	3,011.74	-1,654.10	3,736.27	3,703.26	33.02	113.161		
3,500.00	3,295.12	10,592.97	6,948.00	22.63	70.05	167.29	-716.76	-1,318.16	3,720.56	3,680.55	40.01	92.985		
3,600.00	3,386.61	10,627.00	6,947.55	23.44	70.60	168.37	-750.77	-1,319.40	3,625.65	3,585.31	40.34	89.869		
3,700.00	3,478.10	10,627.00	6,947.55	24.25	70.60	168.37	-750.77	-1,319.40	3,530.51	3,490.05	40.47	87.245		
3,800.00	3,569.60	10,627.00	6,947.55	25.06	70.60	168.37	-750.77	-1,319.40	3,435.65	3,395.05	40.60	84.624		
3,900.00	3,661.09	10,627.00	6,947.55	25.88	70.60	168.37	-750.77	-1,319.40	3,341.09	3,300.34	40.74	82.004		
4,000.00	3,752.59	10,654.19	6,947.41	26.69	71.04	169.27	-777.93	-1,320.58	3,246.75	3,205.70	41.05	79.098		
4,100.00	3,844.08	10,684.48	6,947.20	27.50	71.53	170.30	-808.17	-1,322.21	3,152.52	3,111.15	41.37	76.199		
4,200.00	3,935.58	10,714.99	6,946.90	28.32	72.03	171.37	-838.62	-1,324.16	3,058.39	3,016.69	41.70	73.339		
4,300.00	4,027.07	10,721.00	6,946.83	29.13	72.13	171.58	-844.62	-1,324.59	2,964.47	2,922.56	41.91	70.734		
4,400.00	4,118.57	10,747.21	6,946.63	29.95	72.55	172.53	-870.76	-1,326.43	2,870.74	2,828.51	42.23	67.974		
4,500.00	4,210.06	10,762.28	6,946.61	30.76	72.79	173.10	-885.80	-1,327.46	2,777.35	2,734.84	42.51	65.333		
4,600.00	4,301.56	10,777.75	6,946.65	31.58	73.04	173.69	-901.24	-1,328.50	2,684.28	2,641.48	42.81	62.709		
4,700.00	4,393.05	10,793.64	6,946.76	32.39	73.30	174.32	-917.09	-1,329.55	2,591.57	2,548.45	43.12	60.101		
4,800.00	4,484.55	10,816.00	6,947.03	33.21	73.66	175.22	-939.40	-1,330.98	2,499.24	2,455.76	43.48	57.476		
4,900.00	4,576.04	10,830.18	6,947.27	34.02	73.90	175.81	-953.55	-1,331.80	2,407.30	2,363.46	43.84	54.913		
5,000.00	4,667.54	10,852.10	6,947.68	34.84	74.26	176.76	-975.45	-1,332.76	2,315.78	2,271.52	44.26	52.328		
5,100.00	4,759.03	10,873.62	6,948.15	35.65	74.61	177.74	-996.95	-1,333.35	2,224.71	2,180.00	44.71	49.760		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ SHLETON PC G25-74-1HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 652-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	4,850.53	10,894.73	6,948.66	36.47	74.96	178.73	-1,018.06	-1,333.57	2,134.17	2,088.96	45.21	47.205		
5,300.00	4,942.02	11,010.08	6,949.51	37.28	76.89	-175.22	-1,133.37	-1,332.01	2,044.01	1,997.85	46.17	44.273		
5,400.00	5,033.51	11,035.58	6,949.02	38.10	77.32	-173.76	-1,158.86	-1,331.42	1,953.56	1,906.72	46.84	41.708		
5,500.00	5,125.01	11,060.42	6,948.51	38.92	77.74	-172.30	-1,183.69	-1,330.75	1,863.78	1,816.17	47.61	39.147		
5,600.00	5,216.50	11,084.62	6,947.97	39.73	78.15	-170.83	-1,207.88	-1,329.99	1,774.79	1,726.28	48.51	36.587		
5,700.00	5,308.00	11,108.22	6,947.40	40.55	78.55	-169.36	-1,231.45	-1,329.17	1,686.72	1,637.16	49.57	34.030		
5,800.00	5,399.49	11,129.13	6,946.88	41.36	78.91	-168.03	-1,252.34	-1,328.32	1,599.77	1,548.96	50.81	31.486		
5,900.00	5,490.99	11,150.03	6,946.34	42.18	79.26	-166.67	-1,273.21	-1,327.35	1,514.13	1,461.83	52.30	28.951		
6,000.00	5,582.48	11,170.42	6,945.80	43.00	79.61	-165.31	-1,293.57	-1,326.30	1,430.05	1,375.96	54.09	26.436		
6,100.00	5,673.98	11,190.33	6,945.26	43.81	79.95	-163.97	-1,313.43	-1,325.17	1,347.84	1,291.58	56.26	23.957		
6,200.00	5,765.47	11,195.00	6,945.13	44.63	80.03	-163.65	-1,318.10	-1,324.89	1,267.97	1,209.25	58.71	21.596		
6,300.00	5,856.97	11,216.88	6,944.62	45.45	80.40	-162.14	-1,339.92	-1,323.46	1,190.79	1,128.92	61.88	19.245		
6,400.00	5,948.46	11,229.84	6,944.41	46.26	80.62	-161.23	-1,352.84	-1,322.52	1,117.07	1,051.53	65.55	17.043		
6,500.00	6,039.96	11,243.21	6,944.28	47.08	80.85	-160.29	-1,366.18	-1,321.49	1,047.45	977.55	69.90	14.985		
6,600.00	6,131.45	11,257.02	6,944.21	47.90	81.09	-159.31	-1,379.93	-1,320.34	982.79	907.81	74.98	13.108		
6,700.00	6,222.95	11,271.27	6,944.23	48.71	81.33	-158.29	-1,394.13	-1,319.07	924.11	843.33	80.78	11.440		
6,800.00	6,314.44	11,290.00	6,944.39	49.53	81.66	-156.94	-1,412.78	-1,317.29	872.62	785.30	87.31	9.994		
6,900.00	6,405.93	11,306.30	6,944.59	50.35	81.94	-155.76	-1,428.99	-1,315.66	829.54	735.33	94.21	8.805		
7,000.00	6,497.01	11,328.24	6,944.87	51.18	82.32	-158.93	-1,450.82	-1,313.47	797.33	695.94	101.39	7.864		
7,075.97	6,562.77	11,343.06	6,945.06	51.95	82.57	-164.69	-1,465.57	-1,311.97	788.98	682.28	106.70	7.394 CC		
7,100.00	6,582.62	11,347.29	6,945.11	52.20	82.65	-166.06	-1,469.77	-1,311.55	789.82	681.55	108.27	7.295 ES		
7,200.00	6,659.25	11,362.29	6,945.30	53.42	82.90	-170.44	-1,484.69	-1,310.02	811.14	697.27	113.88	7.123 SF		
7,300.00	6,724.59	11,372.77	6,945.44	54.84	83.09	-173.88	-1,495.12	-1,308.96	858.78	741.07	117.71	7.296		
7,400.00	6,776.64	11,385.68	6,945.51	56.40	83.31	-177.59	-1,500.64	-1,308.39	927.54	807.48	120.06	7.726		
7,500.00	6,813.82	11,384.97	6,945.52	58.08	83.30	176.78	-1,501.35	-1,308.32	1,011.38	890.26	121.12	8.350		
7,600.00	6,835.01	11,374.90	6,945.46	59.82	83.12	164.33	-1,497.24	-1,308.74	1,104.66	983.27	121.39	9.100		
7,700.00	6,840.00	11,366.02	6,945.35	61.57	82.97	137.37	-1,488.40	-1,309.64	1,202.60	1,081.29	121.31	9.914		
7,800.00	6,840.00	11,355.81	6,945.22	63.35	82.79	135.18	-1,478.25	-1,310.68	1,301.39	1,180.28	121.11	10.746		
7,900.00	6,840.00	11,345.67	6,945.09	65.20	82.62	133.16	-1,468.17	-1,311.71	1,400.27	1,279.38	120.89	11.583		
8,000.00	6,840.00	11,335.60	6,944.96	67.10	82.44	131.28	-1,458.14	-1,312.73	1,499.23	1,378.57	120.66	12.425		
8,100.00	6,840.00	11,325.59	6,944.84	69.05	82.27	129.54	-1,448.19	-1,313.73	1,598.26	1,477.83	120.43	13.272		
8,200.00	6,840.00	11,315.65	6,944.71	71.06	82.10	127.93	-1,438.29	-1,314.73	1,697.33	1,577.15	120.19	14.122		
8,300.00	6,840.00	11,305.77	6,944.59	73.11	81.93	126.44	-1,428.46	-1,315.72	1,796.45	1,676.51	119.95	14.977		
8,400.00	6,840.00	11,295.95	6,944.46	75.21	81.76	125.04	-1,418.69	-1,316.70	1,895.61	1,775.91	119.70	15.836		
8,500.00	6,840.00	11,290.00	6,944.39	77.34	81.66	124.24	-1,412.78	-1,317.29	1,994.81	1,875.21	119.59	16.680		
8,600.00	6,840.00	11,290.00	6,944.39	79.51	81.66	124.24	-1,412.78	-1,317.29	2,094.07	1,974.39	119.68	17.497		
8,700.00	6,840.00	11,290.00	6,944.39	81.72	81.66	124.24	-1,412.78	-1,317.29	2,193.40	2,073.64	119.76	18.315		
8,800.00	6,840.00	11,290.00	6,944.39	83.95	81.66	124.24	-1,412.78	-1,317.29	2,292.79	2,172.95	119.83	19.133		
8,900.00	6,840.00	11,267.47	6,944.22	86.22	81.27	121.50	-1,390.35	-1,319.42	2,392.01	2,272.85	119.16	20.074		
9,000.00	6,840.00	11,262.88	6,944.21	88.51	81.19	120.99	-1,385.78	-1,319.83	2,491.41	2,372.33	119.08	20.923		
9,100.00	6,840.00	11,258.47	6,944.21	90.83	81.11	120.52	-1,381.38	-1,320.21	2,590.83	2,471.83	119.00	21.772		
9,200.00	6,840.00	11,254.22	6,944.22	93.16	81.04	120.08	-1,377.15	-1,320.58	2,690.28	2,571.36	118.93	22.621		
9,300.00	6,840.00	11,250.13	6,944.23	95.52	80.97	119.67	-1,373.07	-1,320.92	2,789.76	2,670.90	118.86	23.472		
9,400.00	6,840.00	11,246.18	6,944.26	97.90	80.90	119.28	-1,369.14	-1,321.25	2,889.26	2,770.47	118.79	24.322		
9,500.00	6,840.00	11,242.38	6,944.28	100.30	80.84	118.91	-1,365.35	-1,321.55	2,988.79	2,870.06	118.73	25.173		
9,600.00	6,840.00	11,238.71	6,944.31	102.72	80.78	118.57	-1,361.69	-1,321.84	3,088.33	2,969.66	118.67	26.025		
9,700.00	6,840.00	11,235.17	6,944.35	105.15	80.71	118.25	-1,358.16	-1,322.12	3,187.89	3,069.28	118.61	26.877		
9,800.00	6,840.00	11,231.75	6,944.39	107.59	80.66	117.94	-1,354.75	-1,322.38	3,287.47	3,168.92	118.56	27.728		
9,900.00	6,840.00	11,228.44	6,944.43	110.05	80.60	117.66	-1,351.45	-1,322.63	3,387.07	3,268.56	118.51	28.580		
10,000.00	6,840.00	11,225.24	6,944.48	112.52	80.54	117.38	-1,348.26	-1,322.87	3,486.69	3,368.22	118.46	29.433		
10,100.00	6,840.00	11,222.14	6,944.53	115.00	80.49	117.13	-1,345.17	-1,323.09	3,586.31	3,467.90	118.42	30.285		
10,200.00	6,840.00	11,195.00	6,945.13	117.50	80.03	115.08	-1,318.10	-1,324.89	3,686.16	3,568.51	117.65	31.331		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ SHLETON PC G25-74-1HN - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 652-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		
10,300.00	6,840.00	11,195.00	6,945.13	120.00	80.03	115.08	-1,318.10	-1,324.89	3,785.77	3,668.06	117.71	32.163		
10,400.00	6,840.00	11,195.00	6,945.13	122.51	80.03	115.08	-1,318.10	-1,324.89	3,885.39	3,767.64	117.76	32.995		
10,500.00	6,840.00	11,195.00	6,945.13	125.04	80.03	115.08	-1,318.10	-1,324.89	3,985.04	3,867.23	117.81	33.827		
10,600.00	6,840.00	11,195.00	6,945.13	127.57	80.03	115.08	-1,318.10	-1,324.89	4,084.70	3,966.85	117.86	34.659		
10,700.00	6,840.00	11,195.00	6,945.13	130.11	80.03	115.08	-1,318.10	-1,324.89	4,184.38	4,066.48	117.90	35.490		
10,800.00	6,840.00	11,195.00	6,945.13	132.66	80.03	115.08	-1,318.10	-1,324.89	4,284.08	4,166.13	117.95	36.320		
10,900.00	6,840.00	11,195.00	6,945.13	135.21	80.03	115.08	-1,318.10	-1,324.89	4,383.79	4,265.79	118.00	37.150		
11,000.00	6,840.00	11,195.00	6,945.13	137.77	80.03	115.08	-1,318.10	-1,324.89	4,483.51	4,365.46	118.05	37.980		
11,100.00	6,840.00	11,195.00	6,945.13	140.34	80.03	115.08	-1,318.10	-1,324.89	4,583.24	4,465.15	118.10	38.809		
11,200.00	6,840.00	11,195.00	6,945.13	142.91	80.03	115.08	-1,318.10	-1,324.89	4,682.99	4,564.84	118.15	39.637		
11,300.00	6,840.00	11,195.00	6,945.13	145.49	80.03	115.08	-1,318.10	-1,324.89	4,782.74	4,664.55	118.19	40.465		
11,400.00	6,840.00	11,195.00	6,945.13	148.07	80.03	115.08	-1,318.10	-1,324.89	4,882.51	4,764.27	118.24	41.293		
11,500.00	6,840.00	11,195.00	6,945.13	150.66	80.03	115.08	-1,318.10	-1,324.89	4,982.28	4,864.00	118.29	42.120		
11,600.00	6,840.00	11,195.00	6,945.13	153.25	80.03	115.08	-1,318.10	-1,324.89	5,082.07	4,963.73	118.34	42.946		
11,700.00	6,840.00	11,195.00	6,945.13	155.85	80.03	115.08	-1,318.10	-1,324.89	5,181.86	5,063.48	118.38	43.771		
11,800.00	6,840.00	11,195.00	6,945.13	158.45	80.03	115.08	-1,318.10	-1,324.89	5,281.66	5,163.23	118.43	44.596		
11,900.00	6,840.00	11,195.00	6,945.13	161.06	80.03	115.08	-1,318.10	-1,324.89	5,381.47	5,262.99	118.48	45.420		
12,000.00	6,840.00	11,195.00	6,945.13	163.67	80.03	115.08	-1,318.10	-1,324.89	5,481.28	5,362.75	118.53	46.244		
12,100.00	6,840.00	11,169.55	6,945.83	166.28	79.59	113.44	-1,292.69	-1,326.35	5,580.96	5,463.10	117.86	47.353		
12,200.00	6,840.00	11,167.19	6,945.89	168.90	79.55	113.30	-1,290.35	-1,326.48	5,680.76	5,562.92	117.84	48.207		
12,300.00	6,840.00	11,164.89	6,945.95	171.52	79.51	113.16	-1,288.05	-1,326.60	5,780.57	5,662.74	117.83	49.060		
12,400.00	6,840.00	11,162.63	6,946.01	174.15	79.47	113.03	-1,285.79	-1,326.72	5,880.38	5,762.56	117.82	49.912		
12,500.00	6,840.00	11,160.42	6,946.07	176.77	79.44	112.90	-1,283.59	-1,326.83	5,980.19	5,862.39	117.80	50.764		
12,600.00	6,840.00	11,158.26	6,946.13	179.40	79.40	112.78	-1,281.43	-1,326.94	6,080.01	5,962.21	117.80	51.615		
12,700.00	6,840.00	11,156.14	6,946.18	182.04	79.36	112.66	-1,279.31	-1,327.05	6,179.83	6,062.04	117.79	52.465		
12,800.00	6,840.00	11,154.06	6,946.24	184.67	79.33	112.54	-1,277.23	-1,327.15	6,279.66	6,161.87	117.78	53.315		
12,900.00	6,840.00	11,152.02	6,946.29	187.31	79.29	112.43	-1,275.20	-1,327.25	6,379.49	6,261.71	117.78	54.165		
13,000.00	6,840.00	11,150.02	6,946.35	189.95	79.26	112.32	-1,273.20	-1,327.35	6,479.32	6,361.54	117.78	55.013		
13,100.00	6,840.00	11,148.06	6,946.40	192.59	79.23	112.21	-1,271.25	-1,327.45	6,579.16	6,461.38	117.78	55.861		
13,200.00	6,840.00	11,146.14	6,946.45	195.24	79.19	112.11	-1,269.33	-1,327.54	6,679.00	6,561.22	117.78	56.709		
13,300.00	6,840.00	11,144.26	6,946.50	197.88	79.16	112.01	-1,267.44	-1,327.63	6,778.84	6,661.06	117.78	57.555		
13,400.00	6,840.00	11,142.41	6,946.54	200.53	79.13	111.91	-1,265.60	-1,327.72	6,878.69	6,760.90	117.78	58.401		
13,500.00	6,840.00	11,140.59	6,946.59	203.18	79.10	111.82	-1,263.78	-1,327.80	6,978.54	6,860.75	117.79	59.246		
13,600.00	6,840.00	11,138.81	6,946.64	205.83	79.07	111.72	-1,262.00	-1,327.88	7,078.39	6,960.59	117.80	60.090		
13,700.00	6,840.00	11,137.06	6,946.68	208.49	79.04	111.63	-1,260.26	-1,327.96	7,178.24	7,060.44	117.80	60.934		
13,800.00	6,840.00	11,135.34	6,946.73	211.14	79.01	111.55	-1,258.54	-1,328.04	7,278.10	7,160.29	117.81	61.776		
13,900.00	6,840.00	11,133.65	6,946.77	213.80	78.98	111.46	-1,256.86	-1,328.12	7,377.96	7,260.14	117.82	62.618		
14,000.00	6,840.00	11,132.00	6,946.81	216.46	78.95	111.38	-1,255.20	-1,328.19	7,477.83	7,359.99	117.84	63.459		
14,100.00	6,840.00	11,130.37	6,946.85	219.12	78.93	111.30	-1,253.58	-1,328.26	7,577.69	7,459.84	117.85	64.299		
14,200.00	6,840.00	11,101.00	6,947.58	221.78	78.43	109.93	-1,224.24	-1,329.43	7,677.71	7,560.58	117.13	65.550		
14,300.00	6,840.00	11,101.00	6,947.58	224.45	78.43	109.93	-1,224.24	-1,329.43	7,777.56	7,660.38	117.19	66.369		
14,400.00	6,840.00	11,101.00	6,947.58	227.11	78.43	109.93	-1,224.24	-1,329.43	7,877.42	7,760.18	117.25	67.187		
14,500.00	6,840.00	11,101.00	6,947.58	229.78	78.43	109.93	-1,224.24	-1,329.43	7,977.28	7,859.98	117.31	68.004		
14,600.00	6,840.00	11,101.00	6,947.58	232.45	78.43	109.93	-1,224.24	-1,329.43	8,077.15	7,959.78	117.37	68.821		
14,700.00	6,840.00	11,101.00	6,947.58	235.12	78.43	109.93	-1,224.24	-1,329.43	8,177.01	8,059.59	117.43	69.636		
14,800.00	6,840.00	11,101.00	6,947.58	237.79	78.43	109.93	-1,224.24	-1,329.43	8,276.89	8,159.40	117.49	70.450		
14,900.00	6,840.00	11,101.00	6,947.58	240.46	78.43	109.93	-1,224.24	-1,329.43	8,376.76	8,259.21	117.55	71.263		
15,000.00	6,840.00	11,101.00	6,947.58	243.13	78.43	109.93	-1,224.24	-1,329.43	8,476.64	8,359.03	117.61	72.075		
15,100.00	6,840.00	11,101.00	6,947.58	245.80	78.43	109.93	-1,224.24	-1,329.43	8,576.52	8,458.84	117.67	72.886		
15,200.00	6,840.00	11,101.00	6,947.58	248.48	78.43	109.93	-1,224.24	-1,329.43	8,676.40	8,558.66	117.73	73.695		
15,300.00	6,840.00	11,101.00	6,947.58	251.15	78.43	109.93	-1,224.24	-1,329.43	8,776.28	8,658.49	117.80	74.504		
15,400.00	6,840.00	11,101.00	6,947.58	253.83	78.43	109.93	-1,224.24	-1,329.43	8,876.17	8,758.31	117.86	75.312		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST HZ SHLETON PC G25-74-1HN - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 652-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	
15,500.00	6,840.00	11,101.00	6,947.58	256.51	78.43	109.93	-1,224.24	-1,329.43	8,976.06	8,858.14	117.92	76.118	
15,600.00	6,840.00	11,101.00	6,947.58	259.19	78.43	109.93	-1,224.24	-1,329.43	9,075.95	8,957.97	117.99	76.924	
15,700.00	6,840.00	11,101.00	6,947.58	261.87	78.43	109.93	-1,224.24	-1,329.43	9,175.85	9,057.80	118.05	77.728	
15,800.00	6,840.00	11,101.00	6,947.58	264.55	78.43	109.93	-1,224.24	-1,329.43	9,275.74	9,157.63	118.12	78.531	
15,900.00	6,840.00	11,101.00	6,947.58	267.23	78.43	109.93	-1,224.24	-1,329.43	9,375.64	9,257.46	118.18	79.333	
16,000.00	6,840.00	11,101.00	6,947.58	269.91	78.43	109.93	-1,224.24	-1,329.43	9,475.55	9,357.30	118.25	80.134	
16,100.00	6,840.00	11,101.00	6,947.58	272.59	78.43	109.93	-1,224.24	-1,329.43	9,575.45	9,457.14	118.31	80.934	
16,200.00	6,840.00	11,101.00	6,947.58	275.28	78.43	109.93	-1,224.24	-1,329.43	9,675.35	9,556.98	118.38	81.732	
16,300.00	6,840.00	11,101.00	6,947.58	277.96	78.43	109.93	-1,224.24	-1,329.43	9,775.26	9,656.82	118.45	82.530	
16,400.00	6,840.00	11,101.00	6,947.58	280.64	78.43	109.93	-1,224.24	-1,329.43	9,875.17	9,756.66	118.51	83.326	
16,500.00	6,840.00	11,101.00	6,947.58	283.33	78.43	109.93	-1,224.24	-1,329.43	9,975.08	9,856.50	118.58	84.121	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT OCOMA G25-10 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-93.63	-107.06	-1,685.50	1,689.44					
100.00	100.00	68.99	68.99	0.13	0.07	-93.64	-107.20	-1,685.24	1,688.69	1,688.49	0.20	8,422.831		
200.00	200.00	162.48	162.48	0.49	0.16	-93.66	-107.73	-1,684.51	1,687.96	1,687.31	0.65	2,584.355		
300.00	300.00	260.24	260.23	0.85	0.22	-93.67	-108.07	-1,684.42	1,687.89	1,686.82	1.06	1,586.229		
400.00	399.98	361.86	361.85	1.20	0.27	34.44	-107.90	-1,684.11	1,686.13	1,684.66	1.47	1,146.305		
500.00	499.84	460.31	460.31	1.55	0.34	34.60	-107.64	-1,683.89	1,681.58	1,679.69	1.89	890.039		
600.00	599.45	562.77	562.77	1.91	0.41	34.86	-107.53	-1,683.64	1,674.16	1,671.85	2.31	724.216		
700.00	698.70	660.23	660.22	2.29	0.46	35.22	-107.45	-1,683.26	1,663.76	1,661.03	2.73	609.393		
800.00	797.47	757.23	757.22	2.70	0.51	35.68	-107.29	-1,683.10	1,650.79	1,647.64	3.16	522.923		
900.00	895.62	857.52	857.51	3.14	0.56	36.27	-107.11	-1,682.89	1,635.04	1,631.44	3.60	454.144		
1,000.00	993.06	952.87	952.86	3.62	0.58	36.96	-106.85	-1,682.61	1,616.52	1,612.48	4.04	400.377		
1,100.00	1,089.64	1,045.44	1,045.43	4.14	0.59	37.75	-106.96	-1,682.59	1,595.66	1,591.19	4.47	356.592		
1,200.00	1,185.27	1,138.73	1,138.72	4.70	0.60	38.68	-106.68	-1,682.73	1,572.46	1,567.51	4.94	318.048		
1,300.00	1,279.82	1,232.25	1,232.24	5.31	0.63	39.76	-106.43	-1,683.00	1,546.96	1,541.50	5.46	283.399		
1,400.00	1,373.17	1,326.95	1,326.94	5.98	0.65	40.99	-106.28	-1,683.25	1,519.15	1,513.14	6.01	252.928		
1,500.00	1,465.22	1,420.43	1,420.42	6.70	0.68	42.35	-106.08	-1,683.38	1,489.09	1,482.50	6.59	225.792		
1,600.00	1,556.72	1,511.24	1,511.23	7.45	0.71	43.37	-105.82	-1,683.51	1,458.48	1,451.27	7.21	202.260		
1,700.00	1,648.21	1,603.74	1,603.73	8.21	0.75	44.47	-105.28	-1,683.60	1,428.33	1,420.48	7.85	181.916		
1,800.00	1,739.71	1,696.85	1,696.83	8.99	0.78	45.63	-104.61	-1,683.60	1,398.63	1,390.11	8.52	164.201		
1,900.00	1,831.20	1,786.07	1,786.05	9.77	0.82	46.78	-103.98	-1,683.60	1,369.50	1,360.29	9.21	148.742		
2,000.00	1,922.69	1,876.24	1,876.22	10.56	0.85	47.99	-103.28	-1,683.71	1,341.10	1,331.18	9.92	135.206		
2,100.00	2,014.19	1,967.52	1,967.50	11.35	0.88	49.26	-102.60	-1,683.87	1,313.38	1,302.73	10.65	123.291		
2,200.00	2,105.68	2,057.59	2,057.56	12.14	0.91	50.57	-101.74	-1,684.02	1,286.39	1,274.98	11.41	112.742		
2,300.00	2,197.18	2,147.46	2,147.43	12.94	0.94	51.92	-101.00	-1,684.31	1,260.25	1,248.06	12.19	103.387		
2,400.00	2,288.67	2,238.10	2,238.06	13.74	0.97	53.32	-100.32	-1,684.71	1,234.98	1,221.98	12.99	95.060		
2,500.00	2,380.17	2,328.63	2,328.59	14.54	1.00	54.78	-99.61	-1,685.14	1,210.57	1,196.76	13.82	87.618		
2,600.00	2,471.66	2,418.01	2,417.97	15.35	1.03	56.27	-98.81	-1,685.66	1,187.17	1,172.51	14.66	80.954		
2,700.00	2,563.16	2,507.35	2,507.30	16.15	1.06	57.81	-97.97	-1,686.35	1,164.88	1,149.35	15.54	74.983		
2,800.00	2,654.65	2,600.08	2,600.02	16.96	1.09	59.46	-97.07	-1,687.09	1,143.61	1,127.18	16.42	69.627		
2,900.00	2,746.15	2,692.57	2,692.51	17.76	1.12	61.17	-96.21	-1,687.74	1,123.29	1,105.96	17.33	64.801		
3,000.00	2,837.64	2,784.24	2,784.16	18.57	1.15	62.91	-95.33	-1,688.32	1,104.03	1,085.76	18.26	60.451		
3,100.00	2,929.14	2,875.64	2,875.57	19.38	1.18	64.71	-94.31	-1,688.83	1,085.93	1,066.72	19.21	56.533		
3,200.00	3,020.63	2,967.14	2,967.05	20.19	1.21	66.56	-93.26	-1,689.32	1,069.06	1,048.89	20.17	53.006		
3,300.00	3,112.13	3,057.12	3,057.03	21.00	1.24	68.43	-92.20	-1,689.82	1,053.52	1,032.38	21.14	49.833		
3,400.00	3,203.62	3,149.54	3,149.44	21.81	1.27	70.40	-90.99	-1,690.39	1,039.45	1,017.33	22.12	46.990		
3,500.00	3,295.12	3,245.03	3,244.92	22.63	1.30	72.46	-90.18	-1,690.88	1,026.49	1,003.39	23.10	44.432		
3,600.00	3,386.61	3,339.60	3,339.49	23.44	1.34	74.55	-89.55	-1,691.06	1,014.64	990.56	24.08	42.130		
3,700.00	3,478.10	3,434.94	3,434.83	24.25	1.36	76.71	-88.91	-1,690.91	1,004.05	978.99	25.05	40.074		
3,800.00	3,569.60	3,530.74	3,530.62	25.06	1.38	78.92	-88.67	-1,690.39	994.49	968.48	26.01	38.239		
3,900.00	3,661.09	3,622.01	3,621.90	25.88	1.39	81.04	-88.67	-1,689.94	986.43	959.48	26.95	36.607		
4,000.00	3,752.59	3,714.64	3,714.52	26.69	1.40	83.22	-88.73	-1,689.40	979.89	952.03	27.87	35.163		
4,100.00	3,844.08	3,804.40	3,804.28	27.50	1.42	85.36	-88.65	-1,688.80	975.06	946.29	28.77	33.892		
4,200.00	3,935.58	3,897.05	3,896.93	28.32	1.43	87.59	-88.58	-1,688.18	971.93	942.28	29.64	32.787		
4,300.00	4,027.07	3,986.70	3,986.58	29.13	1.45	89.74	-88.57	-1,687.66	970.51	940.02	30.49	31.833		
4,326.48	4,051.30	4,010.60	4,010.47	29.35	1.45	90.32	-88.54	-1,687.54	970.44	939.74	30.71	31.605 CC		
4,400.00	4,118.57	4,077.48	4,077.35	29.95	1.47	91.93	-88.42	-1,687.15	970.92	939.62	31.30	31.021 ES		
4,500.00	4,210.06	4,166.64	4,166.51	30.76	1.49	94.08	-88.21	-1,686.71	973.14	941.06	32.07	30.340		
4,600.00	4,301.56	4,258.13	4,258.01	31.58	1.51	96.25	-88.04	-1,686.63	977.21	944.40	32.81	29.780		
4,700.00	4,393.05	4,349.37	4,349.25	32.39	1.53	98.40	-87.86	-1,686.38	982.87	949.35	33.51	29.327		
4,800.00	4,484.55	4,438.09	4,437.96	33.21	1.56	100.49	-87.48	-1,686.01	990.30	956.13	34.17	28.980		
4,900.00	4,576.04	4,526.44	4,526.30	34.02	1.58	102.57	-86.56	-1,685.23	999.68	964.90	34.78	28.740		
5,000.00	4,667.54	4,615.22	4,615.07	34.84	1.61	104.61	-85.66	-1,684.65	1,010.75	975.39	35.36	28.587		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT OCOMA G25-10 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,759.03	4,691.22	4,691.06	35.65	1.63	106.30	-84.38	-1,684.91	1,024.25	988.38	35.87	28.554	SF	
5,200.00	4,850.53	4,779.83	4,779.64	36.47	1.66	108.20	-82.31	-1,686.08	1,040.04	1,003.66	36.38	28.590		
5,300.00	4,942.02	4,871.76	4,871.53	37.28	1.68	110.10	-80.23	-1,687.65	1,057.19	1,020.33	36.86	28.681		
5,400.00	5,033.51	4,965.42	4,965.16	38.10	1.70	111.97	-78.22	-1,689.23	1,075.49	1,038.17	37.32	28.820		
5,500.00	5,125.01	5,056.14	5,055.84	38.92	1.73	113.73	-76.47	-1,690.95	1,094.83	1,057.09	37.74	29.010		
5,600.00	5,216.50	5,146.31	5,145.98	39.73	1.75	115.42	-74.51	-1,692.57	1,115.47	1,077.33	38.14	29.250		
5,700.00	5,308.00	5,237.65	5,237.29	40.55	1.78	117.09	-72.50	-1,694.06	1,137.18	1,098.67	38.51	29.529		
5,800.00	5,399.49	5,329.54	5,329.14	41.36	1.80	118.74	-70.35	-1,694.99	1,159.95	1,121.09	38.86	29.849		
5,900.00	5,490.99	5,426.45	5,426.03	42.18	1.83	120.41	-68.37	-1,696.01	1,183.45	1,144.24	39.21	30.183		
6,000.00	5,582.48	5,525.09	5,524.66	43.00	1.86	122.05	-66.96	-1,696.98	1,207.30	1,167.76	39.55	30.528		
6,100.00	5,673.98	5,618.47	5,618.02	43.81	1.88	123.54	-65.99	-1,698.08	1,231.68	1,191.83	39.86	30.904		
6,200.00	5,765.47	5,707.92	5,707.46	44.63	1.91	124.92	-64.96	-1,699.00	1,256.95	1,216.81	40.14	31.316		
6,300.00	5,856.97	5,810.66	5,810.20	45.45	1.93	126.45	-64.20	-1,699.92	1,282.63	1,242.18	40.45	31.711		
6,400.00	5,948.46	5,903.56	5,903.10	46.26	1.95	127.77	-63.90	-1,700.92	1,308.64	1,267.93	40.71	32.142		
6,500.00	6,039.96	6,003.40	6,002.92	47.08	1.96	129.13	-63.97	-1,702.24	1,334.96	1,293.97	40.99	32.565		
6,600.00	6,131.45	6,095.66	6,095.17	47.90	1.97	130.34	-64.29	-1,703.67	1,361.64	1,320.39	41.24	33.015		
6,700.00	6,222.95	6,195.79	6,195.29	48.71	1.97	131.59	-64.93	-1,705.29	1,388.62	1,347.11	41.51	33.452		
6,800.00	6,314.44	6,292.86	6,292.34	49.53	1.97	132.78	-66.04	-1,706.69	1,415.72	1,373.96	41.76	33.903		
6,900.00	6,405.93	6,385.91	6,385.37	50.35	1.97	133.88	-67.32	-1,707.80	1,443.16	1,401.17	41.98	34.374		
7,000.00	6,497.01	6,481.23	6,480.68	51.18	1.97	128.86	-68.77	-1,708.86	1,471.07	1,428.86	42.22	34.847		
7,100.00	6,582.62	6,572.31	6,571.74	52.20	1.97	118.68	-70.38	-1,710.06	1,500.18	1,457.73	42.45	35.343		
7,200.00	6,659.25	6,650.81	6,650.21	53.42	1.97	112.22	-71.95	-1,711.08	1,531.09	1,488.44	42.65	35.900		
7,300.00	6,724.59	6,715.10	6,714.48	54.84	1.96	107.41	-73.25	-1,711.68	1,564.50	1,521.68	42.81	36.542		
7,400.00	6,776.64	6,764.02	6,763.39	56.40	1.96	103.17	-74.14	-1,712.08	1,600.85	1,557.92	42.93	37.291		
7,500.00	6,813.82	6,799.12	6,798.50	58.08	1.96	98.98	-74.71	-1,712.36	1,640.19	1,597.19	42.99	38.148		
7,600.00	6,835.01	6,823.42	6,822.78	59.82	1.96	94.73	-75.09	-1,712.55	1,682.08	1,639.07	43.02	39.104		
7,700.00	6,840.00	6,829.86	6,829.23	61.57	1.96	91.20	-75.20	-1,712.60	1,725.83	1,682.88	42.95	40.180		
7,800.00	6,840.00	6,830.75	6,830.11	63.35	1.96	91.23	-75.21	-1,712.61	1,773.13	1,730.27	42.87	41.364		
7,900.00	6,840.00	6,831.63	6,831.00	65.20	1.96	91.26	-75.23	-1,712.61	1,824.69	1,781.91	42.78	42.653		
8,000.00	6,840.00	6,832.52	6,831.88	67.10	1.96	91.30	-75.24	-1,712.62	1,880.16	1,837.47	42.69	44.038		
8,100.00	6,840.00	6,833.41	6,832.77	69.05	1.96	91.33	-75.26	-1,712.63	1,939.21	1,896.60	42.61	45.510		
8,200.00	6,840.00	6,834.30	6,833.66	71.06	1.96	91.36	-75.27	-1,712.64	2,001.51	1,958.97	42.53	47.059		
8,300.00	6,840.00	6,835.19	6,834.55	73.11	1.96	91.40	-75.29	-1,712.64	2,066.77	2,024.31	42.46	48.679		
8,400.00	6,840.00	6,836.08	6,835.45	75.21	1.96	91.43	-75.30	-1,712.65	2,134.72	2,092.33	42.39	50.362		
8,500.00	6,840.00	6,836.98	6,836.34	77.34	1.96	91.46	-75.32	-1,712.66	2,205.12	2,162.79	42.32	52.100		
8,600.00	6,840.00	6,837.87	6,837.24	79.51	1.96	91.50	-75.33	-1,712.66	2,277.73	2,235.46	42.27	53.890		
8,700.00	6,840.00	6,838.77	6,838.13	81.72	1.96	91.53	-75.35	-1,712.67	2,352.35	2,310.13	42.21	55.724		
8,800.00	6,840.00	6,839.67	6,839.03	83.95	1.96	91.56	-75.36	-1,712.68	2,428.79	2,386.62	42.17	57.599		
8,900.00	6,840.00	6,840.57	6,839.93	86.22	1.96	91.60	-75.38	-1,712.69	2,506.90	2,464.77	42.13	59.510		
9,000.00	6,840.00	6,841.47	6,840.84	88.51	1.96	91.63	-75.40	-1,712.69	2,586.51	2,544.42	42.09	61.452		
9,100.00	6,840.00	6,842.38	6,841.74	90.83	1.96	91.66	-75.41	-1,712.70	2,667.49	2,625.43	42.06	63.424		
9,200.00	6,840.00	6,843.28	6,842.65	93.16	1.96	91.70	-75.43	-1,712.71	2,749.73	2,707.70	42.03	65.421		
9,300.00	6,840.00	6,844.19	6,843.55	95.52	1.96	91.73	-75.44	-1,712.72	2,833.11	2,791.10	42.01	67.440		
9,400.00	6,840.00	6,845.10	6,844.46	97.90	1.96	91.77	-75.46	-1,712.72	2,917.53	2,875.54	41.99	69.480		
9,500.00	6,840.00	6,846.01	6,845.37	100.30	1.96	91.80	-75.48	-1,712.73	3,002.91	2,960.93	41.98	71.538		
9,600.00	6,840.00	6,846.92	6,846.28	102.72	1.96	91.83	-75.49	-1,712.74	3,089.17	3,047.20	41.97	73.612		
9,700.00	6,840.00	6,847.84	6,847.20	105.15	1.96	91.87	-75.51	-1,712.75	3,176.23	3,134.27	41.96	75.700		
9,800.00	6,840.00	6,848.75	6,848.11	107.59	1.96	91.90	-75.53	-1,712.75	3,264.03	3,222.08	41.95	77.801		
9,900.00	6,840.00	6,849.67	6,849.03	110.05	1.96	91.93	-75.54	-1,712.76	3,352.52	3,310.57	41.95	79.913		
10,000.00	6,840.00	6,850.59	6,849.95	112.52	1.96	91.97	-75.56	-1,712.77	3,441.64	3,399.69	41.95	82.035		
10,100.00	6,840.00	6,851.51	6,850.87	115.00	1.96	92.00	-75.58	-1,712.78	3,531.34	3,489.38	41.96	84.165		
10,200.00	6,840.00	6,852.43	6,851.79	117.50	1.96	92.04	-75.59	-1,712.78	3,621.58	3,579.62	41.96	86.303		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT OCOMA G25-10 GYRO - OWB - GYRO													Offset Site Error: 0.00 usft	
Survey Program: 100-GYD_CT													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	6,853.35	6,852.71	120.00	1.96	92.07	-75.61	-1,712.79	3,712.32	3,670.35	41.97	88.447		
10,400.00	6,840.00	6,854.28	6,853.64	122.51	1.96	92.11	-75.63	-1,712.80	3,803.52	3,761.54	41.98	90.597		
10,500.00	6,840.00	6,855.20	6,854.56	125.04	1.96	92.14	-75.64	-1,712.81	3,895.16	3,853.16	42.00	92.752		
10,600.00	6,840.00	6,856.13	6,855.49	127.57	1.96	92.18	-75.66	-1,712.81	3,987.20	3,945.19	42.01	94.910		
10,700.00	6,840.00	6,857.06	6,856.42	130.11	1.96	92.21	-75.68	-1,712.82	4,079.61	4,037.58	42.03	97.072		
10,800.00	6,840.00	6,857.99	6,857.35	132.66	1.96	92.24	-75.69	-1,712.83	4,172.37	4,130.32	42.04	99.237		
10,900.00	6,840.00	6,858.93	6,858.29	135.21	1.96	92.28	-75.71	-1,712.84	4,265.46	4,223.39	42.06	101.403		
11,000.00	6,840.00	6,859.86	6,859.22	137.77	1.96	92.31	-75.73	-1,712.84	4,358.85	4,316.77	42.09	103.571		
11,100.00	6,840.00	6,860.80	6,860.16	140.34	1.96	92.35	-75.75	-1,712.85	4,452.53	4,410.43	42.11	105.740		
11,200.00	6,840.00	6,861.74	6,861.10	142.91	1.96	92.38	-75.76	-1,712.86	4,546.48	4,504.35	42.13	107.909		
11,300.00	6,840.00	6,862.68	6,862.04	145.49	1.96	92.42	-75.78	-1,712.87	4,640.69	4,598.53	42.16	110.078		
11,400.00	6,840.00	6,863.62	6,862.98	148.07	1.96	92.45	-75.80	-1,712.88	4,735.13	4,692.94	42.18	112.247		
11,500.00	6,840.00	6,864.56	6,863.92	150.66	1.96	92.49	-75.82	-1,712.88	4,829.79	4,787.58	42.21	114.415		
11,600.00	6,840.00	6,865.51	6,864.87	153.25	1.96	92.52	-75.84	-1,712.89	4,924.67	4,882.43	42.24	116.582		
11,700.00	6,840.00	6,866.46	6,865.82	155.85	1.96	92.56	-75.85	-1,712.90	5,019.74	4,977.47	42.27	118.748		
11,800.00	6,840.00	6,867.41	6,866.76	158.45	1.96	92.59	-75.87	-1,712.91	5,115.00	5,072.70	42.30	120.911		
11,900.00	6,840.00	6,868.36	6,867.71	161.06	1.96	92.63	-75.89	-1,712.91	5,210.44	5,168.11	42.34	123.073		
12,000.00	6,840.00	6,869.31	6,868.67	163.67	1.96	92.66	-75.91	-1,712.92	5,306.05	5,263.68	42.37	125.232		
12,100.00	6,840.00	6,870.26	6,869.62	166.28	1.96	92.70	-75.93	-1,712.93	5,401.81	5,359.41	42.40	127.389		
12,200.00	6,840.00	6,871.22	6,870.58	168.90	1.96	92.74	-75.95	-1,712.94	5,497.73	5,455.29	42.44	129.542		
12,300.00	6,840.00	6,872.18	6,871.53	171.52	1.96	92.77	-75.96	-1,712.95	5,593.79	5,551.31	42.48	131.693		
12,400.00	6,840.00	6,873.14	6,872.49	174.15	1.96	92.81	-75.98	-1,712.95	5,689.99	5,647.47	42.51	133.840		
12,500.00	6,840.00	6,874.10	6,873.45	176.77	1.96	92.84	-76.00	-1,712.96	5,786.31	5,743.76	42.55	135.984		
12,600.00	6,840.00	6,875.06	6,874.42	179.40	1.96	92.88	-76.02	-1,712.97	5,882.76	5,840.16	42.59	138.124		
12,700.00	6,840.00	6,876.02	6,875.38	182.04	1.96	92.91	-76.04	-1,712.98	5,979.32	5,936.69	42.63	140.260		
12,800.00	6,840.00	6,876.99	6,876.35	184.67	1.96	92.95	-76.06	-1,712.99	6,075.99	6,033.32	42.67	142.392		
12,900.00	6,840.00	6,877.96	6,877.31	187.31	1.96	92.99	-76.08	-1,713.00	6,172.77	6,130.06	42.71	144.519		
13,000.00	6,840.00	6,878.93	6,878.28	189.95	1.96	93.02	-76.10	-1,713.00	6,269.65	6,226.90	42.75	146.642		
13,100.00	6,840.00	6,879.90	6,879.25	192.59	1.96	93.06	-76.12	-1,713.01	6,366.63	6,323.83	42.80	148.761		
13,200.00	6,840.00	6,880.87	6,880.23	195.24	1.96	93.09	-76.14	-1,713.02	6,463.70	6,420.86	42.84	150.875		
13,300.00	6,840.00	6,881.85	6,881.20	197.88	1.96	93.13	-76.16	-1,713.03	6,560.86	6,517.97	42.89	152.984		
13,400.00	6,840.00	6,882.82	6,882.18	200.53	1.96	93.17	-76.18	-1,713.04	6,658.10	6,615.17	42.93	155.087		
13,500.00	6,840.00	6,883.80	6,883.16	203.18	1.96	93.20	-76.20	-1,713.04	6,755.42	6,712.44	42.98	157.186		
13,600.00	6,840.00	6,884.78	6,884.14	205.83	1.96	93.24	-76.21	-1,713.05	6,852.82	6,809.79	43.02	159.280		
13,700.00	6,840.00	6,885.77	6,885.12	208.49	1.96	93.28	-76.23	-1,713.06	6,950.29	6,907.22	43.07	161.368		
13,800.00	6,840.00	6,886.75	6,886.10	211.14	1.96	93.31	-76.25	-1,713.07	7,047.83	7,004.71	43.12	163.450		
13,900.00	6,840.00	6,887.74	6,887.09	213.80	1.96	93.35	-76.27	-1,713.08	7,145.44	7,102.28	43.17	165.527		
14,000.00	6,840.00	6,888.72	6,888.08	216.46	1.96	93.39	-76.30	-1,713.09	7,243.12	7,199.90	43.22	167.598		
14,100.00	6,840.00	6,889.71	6,889.07	219.12	1.96	93.42	-76.32	-1,713.09	7,340.86	7,297.59	43.27	169.664		
14,200.00	6,840.00	6,890.70	6,890.06	221.78	1.96	93.46	-76.34	-1,713.10	7,438.66	7,395.34	43.32	171.724		
14,300.00	6,840.00	6,891.70	6,891.05	224.45	1.96	93.50	-76.36	-1,713.11	7,536.51	7,493.14	43.37	173.777		
14,400.00	6,840.00	6,892.69	6,892.05	227.11	1.96	93.53	-76.38	-1,713.12	7,634.42	7,591.00	43.42	175.825		
14,500.00	6,840.00	6,893.69	6,893.04	229.78	1.96	93.57	-76.40	-1,713.13	7,732.39	7,688.92	43.47	177.866		
14,600.00	6,840.00	6,894.69	6,894.04	232.45	1.96	93.61	-76.42	-1,713.14	7,830.41	7,786.88	43.53	179.901		
14,700.00	6,840.00	6,895.69	6,895.04	235.12	1.96	93.64	-76.44	-1,713.15	7,928.47	7,884.89	43.58	181.930		
14,800.00	6,840.00	6,896.69	6,896.04	237.79	1.96	93.68	-76.46	-1,713.15	8,026.58	7,982.95	43.63	183.952		
14,900.00	6,840.00	6,897.70	6,897.05	240.46	1.96	93.72	-76.48	-1,713.16	8,124.74	8,081.06	43.69	185.968		
15,000.00	6,840.00	6,898.70	6,898.05	243.13	1.96	93.76	-76.50	-1,713.17	8,222.95	8,179.20	43.74	187.978		
15,100.00	6,840.00	6,899.71	6,899.06	245.80	1.96	93.79	-76.52	-1,713.18	8,321.19	8,277.39	43.80	189.980		
15,200.00	6,840.00	6,900.83	6,900.18	248.48	1.96	93.84	-76.55	-1,713.19	8,419.48	8,375.62	43.86	191.975		
15,300.00	6,840.00	6,901.99	6,901.34	251.15	1.96	93.88	-76.57	-1,713.20	8,517.81	8,473.89	43.91	193.962		
15,400.00	6,840.00	6,903.16	6,902.51	253.83	1.96	93.92	-76.60	-1,713.21	8,616.17	8,572.20	43.97	195.942		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT OCOMA G25-10 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												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
15,500.00	6,840.00	6,904.34	6,903.69	256.51	1.96	93.97	-76.62	-1,713.22	8,714.58	8,670.54	44.03	197.916	
15,600.00	6,840.00	6,905.53	6,904.87	259.19	1.96	94.01	-76.65	-1,713.23	8,813.01	8,768.92	44.09	199.882	
15,700.00	6,840.00	6,906.71	6,906.06	261.87	1.96	94.05	-76.67	-1,713.24	8,911.49	8,867.34	44.15	201.841	
15,800.00	6,840.00	6,907.91	6,907.26	264.55	1.96	94.10	-76.70	-1,713.25	9,009.99	8,965.78	44.21	203.794	
15,900.00	6,840.00	6,909.11	6,908.46	267.23	1.96	94.14	-76.73	-1,713.26	9,108.53	9,064.26	44.27	205.739	
16,000.00	6,840.00	6,910.32	6,909.67	269.91	1.96	94.19	-76.75	-1,713.27	9,207.10	9,162.77	44.33	207.677	
16,100.00	6,840.00	6,911.54	6,910.88	272.59	1.96	94.23	-76.78	-1,713.28	9,305.70	9,261.31	44.40	209.608	
16,200.00	6,840.00	6,912.76	6,912.11	275.28	1.96	94.28	-76.81	-1,713.29	9,404.33	9,359.88	44.46	211.532	
16,300.00	6,840.00	6,913.99	6,913.33	277.96	1.96	94.32	-76.83	-1,713.30	9,502.99	9,458.47	44.52	213.448	
16,400.00	6,840.00	6,915.22	6,914.57	280.64	1.96	94.37	-76.86	-1,713.32	9,601.68	9,557.09	44.58	215.357	
16,500.00	6,840.00	6,916.47	6,915.81	283.33	1.96	94.42	-76.89	-1,713.33	9,700.39	9,655.74	44.65	217.259	
16,600.00	6,840.00	6,917.71	6,917.06	286.02	1.96	94.46	-76.92	-1,713.34	9,799.13	9,754.42	44.71	219.153	
16,700.00	6,840.00	6,918.97	6,918.31	288.70	1.96	94.51	-76.94	-1,713.35	9,897.90	9,853.12	44.78	221.040	
16,800.00	6,840.00	6,920.23	6,919.58	291.39	1.96	94.55	-76.97	-1,713.36	9,996.69	9,951.84	44.84	222.920	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT OCOMA G25-15 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-128.62	-1,371.19	-1,716.27	2,196.93					
100.00	100.00	79.51	79.51	0.13	0.08	-128.63	-1,371.29	-1,716.05	2,196.65	2,196.44	0.21	N/A		
200.00	200.00	191.32	191.31	0.49	0.22	-128.65	-1,371.45	-1,715.12	2,196.10	2,195.39	0.71	3,105.316		
300.00	300.00	303.62	303.61	0.85	0.31	-128.65	-1,370.90	-1,713.96	2,194.98	2,193.82	1.16	1,892.100		
400.00	399.98	401.82	401.80	1.20	0.38	-0.60	-1,369.93	-1,713.05	2,191.90	2,190.32	1.58	1,389.862		
500.00	499.84	506.93	506.89	1.55	0.45	-0.59	-1,368.70	-1,712.10	2,185.23	2,183.24	1.99	1,097.310		
600.00	599.45	599.84	599.79	1.91	0.49	-0.58	-1,367.40	-1,711.48	2,175.13	2,172.74	2.40	907.768		
700.00	698.70	704.10	704.05	2.29	0.55	-0.56	-1,365.75	-1,710.97	2,161.58	2,158.77	2.81	769.171		
800.00	797.47	796.23	796.16	2.70	0.59	-0.54	-1,364.33	-1,710.52	2,144.62	2,141.40	3.22	666.469		
900.00	895.62	892.26	892.18	3.14	0.64	-0.53	-1,362.95	-1,710.21	2,124.42	2,120.79	3.63	585.442		
1,000.00	993.06	981.25	981.16	3.62	0.67	-0.51	-1,361.76	-1,710.11	2,101.02	2,096.98	4.04	520.524		
1,100.00	1,089.64	1,076.10	1,076.01	4.14	0.71	-0.50	-1,360.70	-1,710.17	2,074.52	2,070.07	4.45	466.305		
1,200.00	1,185.27	1,170.10	1,170.00	4.70	0.75	-0.49	-1,359.80	-1,710.14	2,044.69	2,039.83	4.86	420.371		
1,300.00	1,279.82	1,262.23	1,262.12	5.31	0.79	-0.49	-1,358.97	-1,710.19	2,011.65	2,006.36	5.28	380.920		
1,400.00	1,373.17	1,353.38	1,353.27	5.98	0.82	-0.48	-1,358.29	-1,710.25	1,975.43	1,969.73	5.70	346.516		
1,500.00	1,465.22	1,439.78	1,439.68	6.70	0.85	-0.49	-1,357.89	-1,710.27	1,936.13	1,930.01	6.12	316.191		
1,600.00	1,556.72	1,525.34	1,525.23	7.45	0.88	-0.48	-1,357.55	-1,710.71	1,895.91	1,889.38	6.53	290.493		
1,700.00	1,648.21	1,619.46	1,619.35	8.21	0.90	-0.48	-1,357.31	-1,711.09	1,855.69	1,848.76	6.93	267.601		
1,800.00	1,739.71	1,710.81	1,710.70	8.99	0.93	-0.48	-1,357.11	-1,711.36	1,815.43	1,808.08	7.35	247.086		
1,900.00	1,831.20	1,801.02	1,800.91	9.77	0.96	-0.47	-1,356.84	-1,711.75	1,775.21	1,767.45	7.76	228.645		
2,000.00	1,922.69	1,900.11	1,900.00	10.56	0.99	-0.46	-1,356.37	-1,712.08	1,734.82	1,726.65	8.18	212.109		
2,100.00	2,014.19	2,000.12	2,000.01	11.35	1.02	-0.46	-1,355.66	-1,712.00	1,694.01	1,685.41	8.60	196.964		
2,200.00	2,105.68	2,092.36	2,092.24	12.14	1.05	-0.45	-1,354.78	-1,711.78	1,652.93	1,643.90	9.03	183.021		
2,300.00	2,197.18	2,196.28	2,196.14	12.94	1.09	-0.41	-1,353.12	-1,711.52	1,611.49	1,602.04	9.45	170.495		
2,400.00	2,288.67	2,285.85	2,285.69	13.74	1.13	-0.37	-1,351.25	-1,711.18	1,569.69	1,559.80	9.89	158.782		
2,500.00	2,380.17	2,382.45	2,382.28	14.54	1.16	-0.34	-1,349.40	-1,710.58	1,527.80	1,517.49	10.31	148.144		
2,600.00	2,471.66	2,472.90	2,472.71	15.35	1.19	-0.32	-1,347.80	-1,709.61	1,485.68	1,474.93	10.75	138.210		
2,700.00	2,563.16	2,560.85	2,560.64	16.15	1.22	-0.33	-1,346.75	-1,708.42	1,443.68	1,432.49	11.19	129.004		
2,800.00	2,654.65	2,650.78	2,650.56	16.96	1.24	-0.36	-1,346.20	-1,706.99	1,401.84	1,390.21	11.63	120.523		
2,900.00	2,746.15	2,740.51	2,740.28	17.76	1.27	-0.38	-1,345.57	-1,705.61	1,359.99	1,347.92	12.07	112.641		
3,000.00	2,837.64	2,828.25	2,828.01	18.57	1.29	-0.41	-1,345.05	-1,704.43	1,318.33	1,305.81	12.52	105.284		
3,100.00	2,929.14	2,916.22	2,915.97	19.38	1.32	-0.45	-1,344.75	-1,703.30	1,276.87	1,263.90	12.97	98.444		
3,200.00	3,020.63	3,002.96	3,002.71	20.19	1.34	-0.48	-1,344.60	-1,702.41	1,235.68	1,222.26	13.42	92.052		
3,300.00	3,112.13	3,091.11	3,090.85	21.00	1.36	-0.53	-1,344.67	-1,701.67	1,194.77	1,180.90	13.87	86.126		
3,400.00	3,203.62	3,176.39	3,176.13	21.81	1.36	-0.58	-1,345.07	-1,701.10	1,154.21	1,139.88	14.32	80.578		
3,500.00	3,295.12	3,265.48	3,265.21	22.63	1.37	-0.65	-1,345.83	-1,700.72	1,114.03	1,099.27	14.76	75.464		
3,600.00	3,386.61	3,358.18	3,357.90	23.44	1.37	-0.73	-1,346.75	-1,700.28	1,073.90	1,058.71	15.19	70.706		
3,700.00	3,478.10	3,448.47	3,448.19	24.25	1.38	-0.82	-1,347.62	-1,699.75	1,033.68	1,018.06	15.62	66.163		
3,800.00	3,569.60	3,537.05	3,536.77	25.06	1.38	-0.91	-1,348.59	-1,699.49	993.75	977.68	16.07	61.858		
3,900.00	3,661.09	3,627.40	3,627.11	25.88	1.39	-1.00	-1,349.65	-1,699.41	954.01	937.51	16.50	57.823		
4,000.00	3,752.59	3,718.12	3,717.82	26.69	1.39	-1.11	-1,350.83	-1,699.37	914.37	897.44	16.93	54.004		
4,100.00	3,844.08	3,808.00	3,807.69	27.50	1.39	-1.23	-1,352.11	-1,699.45	874.91	857.54	17.37	50.369		
4,200.00	3,935.58	3,899.33	3,899.02	28.32	1.40	-1.35	-1,353.38	-1,699.72	835.58	817.78	17.80	46.941		
4,300.00	4,027.07	3,991.27	3,990.94	29.13	1.40	-1.47	-1,354.61	-1,700.07	796.28	778.05	18.23	43.684		
4,400.00	4,118.57	4,083.40	4,083.07	29.95	1.40	-1.62	-1,355.88	-1,700.38	756.98	738.32	18.66	40.576		
4,500.00	4,210.06	4,177.18	4,176.83	30.76	1.41	-1.78	-1,357.12	-1,700.59	717.57	698.49	19.07	37.625		
4,600.00	4,301.56	4,269.99	4,269.64	31.58	1.41	-1.95	-1,358.12	-1,700.69	677.94	658.44	19.49	34.776		
4,700.00	4,393.05	4,362.16	4,361.81	32.39	1.42	-2.12	-1,358.85	-1,700.92	638.24	618.31	19.92	32.039		
4,800.00	4,484.55	4,454.95	4,454.60	33.21	1.42	-2.25	-1,359.15	-1,701.40	598.46	578.12	20.34	29.424		
4,900.00	4,576.04	4,549.32	4,548.96	34.02	1.43	-2.34	-1,358.82	-1,702.05	558.41	537.67	20.74	26.923		
5,000.00	4,667.54	4,643.45	4,643.08	34.84	1.45	-2.35	-1,357.50	-1,702.81	517.82	496.67	21.14	24.490		
5,100.00	4,759.03	4,735.60	4,735.21	35.65	1.47	-2.30	-1,355.65	-1,703.63	476.92	455.35	21.57	22.111		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT OCOMA G25-15 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,850.53	4,826.54	4,826.12	36.47	1.48	-2.22	-1,353.76	-1,704.46	436.00	413.99	22.01	19.809		
5,300.00	4,942.02	4,916.99	4,916.55	37.28	1.50	-2.12	-1,351.88	-1,705.44	395.21	372.75	22.46	17.596		
5,400.00	5,033.51	5,007.32	5,006.86	38.10	1.52	-1.99	-1,350.14	-1,706.61	354.65	331.74	22.92	15.476		
5,500.00	5,125.01	5,098.03	5,097.54	38.92	1.54	-1.87	-1,348.71	-1,707.84	314.34	290.97	23.37	13.452		
5,600.00	5,216.50	5,189.50	5,189.00	39.73	1.56	-1.75	-1,347.50	-1,709.05	274.15	250.35	23.81	11.516		
5,700.00	5,308.00	5,280.39	5,279.88	40.55	1.57	-1.63	-1,346.44	-1,710.29	234.10	209.84	24.26	9.649		
5,800.00	5,399.49	5,372.14	5,371.61	41.36	1.59	-1.46	-1,345.54	-1,711.64	194.22	169.52	24.69	7.865		
5,900.00	5,490.99	5,463.50	5,462.96	42.18	1.60	-1.21	-1,344.62	-1,712.99	154.34	129.19	25.14	6.139		
6,000.00	5,582.48	5,555.64	5,555.08	43.00	1.62	-0.88	-1,343.92	-1,714.32	114.57	89.02	25.55	4.484		
6,100.00	5,673.98	5,647.72	5,647.16	43.81	1.64	-0.44	-1,343.07	-1,715.01	74.23	48.29	25.94	2.862		
6,200.00	5,765.47	5,739.26	5,738.70	44.63	1.66	0.23	-1,342.30	-1,715.08	33.45	7.10	26.35	1.270	Level 3	
6,281.34	5,839.90	5,813.46	5,812.89	45.29	1.68	89.67	-1,341.69	-1,714.77	0.42	-46.50	46.92	0.009	Level 1, CC, ES, SF	
6,300.00	5,856.97	5,830.46	5,829.89	45.45	1.68	176.35	-1,341.57	-1,714.66	7.71	-19.12	26.82	0.287	Level 1	
6,400.00	5,948.46	5,921.51	5,920.93	46.26	1.70	179.56	-1,341.08	-1,713.87	48.98	21.79	27.19	1.801		
6,500.00	6,039.96	6,012.49	6,011.91	47.08	1.72	-179.96	-1,340.74	-1,712.78	90.40	62.78	27.63	3.272		
6,600.00	6,131.45	6,104.46	6,103.87	47.90	1.73	-179.67	-1,340.78	-1,711.82	131.49	103.35	28.14	4.673		
6,700.00	6,222.95	6,195.67	6,195.08	48.71	1.74	-179.58	-1,340.86	-1,711.19	172.30	143.72	28.58	6.030		
6,800.00	6,314.44	6,287.38	6,286.79	49.53	1.75	-179.55	-1,340.94	-1,710.65	213.03	183.99	29.04	7.337		
6,900.00	6,405.93	6,379.22	6,378.63	50.35	1.76	-179.48	-1,341.29	-1,710.14	253.58	224.08	29.49	8.598		
7,000.00	6,497.01	6,470.42	6,469.82	51.18	1.76	174.47	-1,341.48	-1,709.90	294.89	264.95	29.94	9.850		
7,100.00	6,582.62	6,556.14	6,555.55	52.20	1.76	163.62	-1,341.42	-1,709.90	345.62	315.18	30.44	11.356		
7,200.00	6,659.25	6,633.46	6,632.87	53.42	1.76	156.42	-1,341.44	-1,709.92	407.26	376.23	31.04	13.122		
7,300.00	6,724.59	6,700.33	6,699.74	54.84	1.76	150.02	-1,341.49	-1,710.12	478.82	447.08	31.74	15.086		
7,400.00	6,776.64	6,753.26	6,752.66	56.40	1.76	142.11	-1,341.62	-1,710.35	559.05	526.58	32.47	17.217		
7,500.00	6,813.82	6,791.17	6,790.57	58.08	1.76	130.11	-1,341.82	-1,710.49	646.22	613.03	33.19	19.472		
7,600.00	6,835.01	6,812.75	6,812.15	59.82	1.76	110.79	-1,341.96	-1,710.56	738.06	704.22	33.84	21.811		
7,700.00	6,840.00	6,818.09	6,817.49	61.57	1.76	90.94	-1,342.00	-1,710.58	832.03	797.62	34.41	24.179		
7,800.00	6,840.00	6,818.44	6,817.85	63.35	1.76	91.01	-1,342.00	-1,710.58	927.05	892.14	34.91	26.558		
7,900.00	6,840.00	6,818.80	6,818.21	65.20	1.76	91.09	-1,342.00	-1,710.58	1,023.02	987.68	35.34	28.951		
8,000.00	6,840.00	6,819.16	6,818.57	67.10	1.76	91.17	-1,342.00	-1,710.59	1,119.69	1,083.98	35.71	31.357		
8,100.00	6,840.00	6,819.52	6,818.93	69.05	1.76	91.24	-1,342.00	-1,710.59	1,216.90	1,180.87	36.03	33.773		
8,200.00	6,840.00	6,819.88	6,819.29	71.06	1.76	91.32	-1,342.01	-1,710.59	1,314.53	1,278.22	36.32	36.196		
8,300.00	6,840.00	6,820.25	6,819.65	73.11	1.76	91.39	-1,342.01	-1,710.59	1,412.50	1,375.93	36.57	38.624		
8,400.00	6,840.00	6,820.61	6,820.01	75.21	1.76	91.47	-1,342.01	-1,710.59	1,510.72	1,473.93	36.80	41.057		
8,500.00	6,840.00	6,820.97	6,820.37	77.34	1.76	91.54	-1,342.01	-1,710.59	1,609.17	1,572.17	37.00	43.492		
8,600.00	6,840.00	6,821.34	6,820.74	79.51	1.76	91.62	-1,342.02	-1,710.59	1,707.80	1,670.62	37.18	45.929		
8,700.00	6,840.00	6,821.70	6,821.10	81.72	1.76	91.70	-1,342.02	-1,710.60	1,806.58	1,769.23	37.35	48.367		
8,800.00	6,840.00	6,822.07	6,821.47	83.95	1.76	91.77	-1,342.02	-1,710.60	1,905.48	1,867.98	37.51	50.805		
8,900.00	6,840.00	6,822.43	6,821.84	86.22	1.76	91.85	-1,342.02	-1,710.60	2,004.50	1,966.85	37.65	53.242		
9,000.00	6,840.00	6,822.80	6,822.20	88.51	1.76	91.93	-1,342.02	-1,710.60	2,103.60	2,065.82	37.78	55.679		
9,100.00	6,840.00	6,823.17	6,822.57	90.83	1.76	92.00	-1,342.03	-1,710.60	2,202.79	2,164.89	37.91	58.114		
9,200.00	6,840.00	6,823.54	6,822.94	93.16	1.76	92.08	-1,342.03	-1,710.60	2,302.05	2,264.03	38.02	60.546		
9,300.00	6,840.00	6,823.91	6,823.31	95.52	1.76	92.16	-1,342.03	-1,710.60	2,401.37	2,363.24	38.13	62.977		
9,400.00	6,840.00	6,824.28	6,823.68	97.90	1.76	92.24	-1,342.03	-1,710.60	2,500.74	2,462.51	38.23	65.405		
9,500.00	6,840.00	6,824.65	6,824.06	100.30	1.76	92.31	-1,342.03	-1,710.61	2,600.17	2,561.83	38.33	67.830		
9,600.00	6,840.00	6,825.03	6,824.43	102.72	1.76	92.39	-1,342.04	-1,710.61	2,699.63	2,661.20	38.43	70.252		
9,700.00	6,840.00	6,825.40	6,824.80	105.15	1.76	92.47	-1,342.04	-1,710.61	2,799.13	2,760.61	38.52	72.670		
9,800.00	6,840.00	6,825.78	6,825.18	107.59	1.76	92.55	-1,342.04	-1,710.61	2,898.67	2,860.06	38.61	75.085		
9,900.00	6,840.00	6,826.15	6,825.55	110.05	1.76	92.63	-1,342.04	-1,710.61	2,998.24	2,959.55	38.69	77.496		
10,000.00	6,840.00	6,826.53	6,825.93	112.52	1.76	92.71	-1,342.05	-1,710.61	3,097.83	3,059.06	38.77	79.903		
10,100.00	6,840.00	6,826.90	6,826.31	115.00	1.76	92.78	-1,342.05	-1,710.61	3,197.45	3,158.61	38.85	82.306		
10,200.00	6,840.00	6,827.28	6,826.69	117.50	1.76	92.86	-1,342.05	-1,710.62	3,297.10	3,258.17	38.92	84.705		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT OCOMA G25-15 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	6,827.66	6,827.07	120.00	1.76	92.94	-1,342.05	-1,710.62	3,396.76	3,357.76	39.00	87.099		
10,400.00	6,840.00	6,828.04	6,827.45	122.51	1.76	93.02	-1,342.05	-1,710.62	3,496.45	3,457.37	39.07	89.488		
10,500.00	6,840.00	6,828.42	6,827.83	125.04	1.76	93.10	-1,342.06	-1,710.62	3,596.15	3,557.00	39.14	91.873		
10,600.00	6,840.00	6,828.81	6,828.21	127.57	1.76	93.18	-1,342.06	-1,710.62	3,695.86	3,656.65	39.21	94.253		
10,700.00	6,840.00	6,829.19	6,828.59	130.11	1.76	93.26	-1,342.06	-1,710.62	3,795.60	3,756.31	39.28	96.628		
10,800.00	6,840.00	6,829.57	6,828.98	132.66	1.76	93.34	-1,342.06	-1,710.62	3,895.34	3,855.99	39.35	98.997		
10,900.00	6,840.00	6,829.96	6,829.36	135.21	1.76	93.42	-1,342.07	-1,710.63	3,995.10	3,955.69	39.41	101.362		
11,000.00	6,840.00	6,830.34	6,829.75	137.77	1.76	93.50	-1,342.07	-1,710.63	4,094.87	4,055.39	39.48	103.721		
11,100.00	6,840.00	6,830.73	6,830.13	140.34	1.76	93.58	-1,342.07	-1,710.63	4,194.65	4,155.11	39.54	106.075		
11,200.00	6,840.00	6,831.12	6,830.52	142.91	1.76	93.66	-1,342.07	-1,710.63	4,294.44	4,254.83	39.61	108.423		
11,300.00	6,840.00	6,831.51	6,830.91	145.49	1.76	93.75	-1,342.07	-1,710.63	4,394.24	4,354.57	39.67	110.765		
11,400.00	6,840.00	6,831.90	6,831.30	148.07	1.76	93.83	-1,342.08	-1,710.63	4,494.05	4,454.32	39.73	113.102		
11,500.00	6,840.00	6,832.29	6,831.69	150.66	1.76	93.91	-1,342.08	-1,710.63	4,593.87	4,554.07	39.80	115.433		
11,600.00	6,840.00	6,832.68	6,832.08	153.25	1.76	93.99	-1,342.08	-1,710.64	4,693.70	4,653.84	39.86	117.757		
11,700.00	6,840.00	6,833.07	6,832.47	155.85	1.76	94.07	-1,342.08	-1,710.64	4,793.53	4,753.61	39.92	120.076		
11,800.00	6,840.00	6,833.46	6,832.87	158.45	1.76	94.15	-1,342.08	-1,710.64	4,893.37	4,853.39	39.98	122.389		
11,900.00	6,840.00	6,833.86	6,833.26	161.06	1.76	94.24	-1,342.09	-1,710.64	4,993.21	4,953.17	40.04	124.695		
12,000.00	6,840.00	6,834.25	6,833.66	163.67	1.76	94.32	-1,342.09	-1,710.64	5,093.07	5,052.96	40.10	126.996		
12,100.00	6,840.00	6,834.65	6,834.05	166.28	1.76	94.40	-1,342.09	-1,710.64	5,192.92	5,152.76	40.17	129.289		
12,200.00	6,840.00	6,835.05	6,834.45	168.90	1.76	94.48	-1,342.09	-1,710.65	5,292.79	5,252.56	40.23	131.577		
12,300.00	6,840.00	6,835.44	6,834.85	171.52	1.76	94.57	-1,342.10	-1,710.65	5,392.65	5,352.37	40.29	133.858		
12,400.00	6,840.00	6,835.84	6,835.25	174.15	1.76	94.65	-1,342.10	-1,710.65	5,492.53	5,452.18	40.35	136.132		
12,500.00	6,840.00	6,836.24	6,835.65	176.77	1.76	94.73	-1,342.10	-1,710.65	5,592.40	5,552.00	40.41	138.400		
12,600.00	6,840.00	6,836.64	6,836.05	179.40	1.76	94.82	-1,342.10	-1,710.65	5,692.29	5,651.82	40.47	140.661		
12,700.00	6,840.00	6,837.05	6,836.45	182.04	1.76	94.90	-1,342.10	-1,710.65	5,792.17	5,751.64	40.53	142.915		
12,800.00	6,840.00	6,837.45	6,836.85	184.67	1.76	94.98	-1,342.11	-1,710.65	5,892.06	5,851.47	40.59	145.162		
12,900.00	6,840.00	6,837.85	6,837.26	187.31	1.76	95.07	-1,342.11	-1,710.66	5,991.95	5,951.30	40.65	147.403		
13,000.00	6,840.00	6,838.26	6,837.66	189.95	1.76	95.15	-1,342.11	-1,710.66	6,091.85	6,051.14	40.71	149.636		
13,100.00	6,840.00	6,838.66	6,838.07	192.59	1.76	95.24	-1,342.11	-1,710.66	6,191.75	6,150.98	40.77	151.862		
13,200.00	6,840.00	6,839.07	6,838.47	195.24	1.76	95.32	-1,342.11	-1,710.66	6,291.65	6,250.82	40.83	154.082		
13,300.00	6,840.00	6,839.48	6,838.88	197.88	1.76	95.41	-1,342.12	-1,710.66	6,391.56	6,350.67	40.89	156.294		
13,400.00	6,840.00	6,839.89	6,839.29	200.53	1.76	95.49	-1,342.12	-1,710.66	6,491.47	6,450.51	40.96	158.499		
13,500.00	6,840.00	6,840.30	6,839.70	203.18	1.76	95.58	-1,342.12	-1,710.67	6,591.38	6,550.36	41.02	160.696		
13,600.00	6,840.00	6,840.71	6,840.11	205.83	1.76	95.66	-1,342.12	-1,710.67	6,691.30	6,650.22	41.08	162.887		
13,700.00	6,840.00	6,841.12	6,840.52	208.49	1.76	95.75	-1,342.12	-1,710.67	6,791.21	6,750.07	41.14	165.070		
13,800.00	6,840.00	6,841.53	6,840.94	211.14	1.76	95.83	-1,342.13	-1,710.67	6,891.13	6,849.93	41.20	167.245		
13,900.00	6,840.00	6,841.95	6,841.35	213.80	1.76	95.92	-1,342.13	-1,710.67	6,991.05	6,949.79	41.27	169.413		
14,000.00	6,840.00	6,842.36	6,841.77	216.46	1.76	96.00	-1,342.13	-1,710.67	7,090.98	7,049.65	41.33	171.574		
14,100.00	6,840.00	6,842.78	6,842.18	219.12	1.76	96.09	-1,342.13	-1,710.67	7,190.90	7,149.51	41.39	173.727		
14,200.00	6,840.00	6,843.20	6,842.60	221.78	1.76	96.18	-1,342.14	-1,710.68	7,290.83	7,249.38	41.46	175.872		
14,300.00	6,840.00	6,843.62	6,843.02	224.45	1.76	96.26	-1,342.14	-1,710.68	7,390.76	7,349.24	41.52	178.010		
14,400.00	6,840.00	6,844.04	6,843.44	227.11	1.76	96.35	-1,342.14	-1,710.68	7,490.69	7,449.11	41.58	180.140		
14,500.00	6,840.00	6,844.46	6,843.86	229.78	1.76	96.44	-1,342.14	-1,710.68	7,590.63	7,548.98	41.65	182.262		
14,600.00	6,840.00	6,844.88	6,844.28	232.45	1.76	96.52	-1,342.14	-1,710.68	7,690.56	7,648.85	41.71	184.377		
14,700.00	6,840.00	6,845.30	6,844.70	235.12	1.76	96.61	-1,342.15	-1,710.68	7,790.50	7,748.72	41.78	186.484		
14,800.00	6,840.00	6,845.72	6,845.13	237.79	1.76	96.70	-1,342.15	-1,710.69	7,890.44	7,848.59	41.84	188.583		
14,900.00	6,840.00	6,846.15	6,845.55	240.46	1.76	96.79	-1,342.15	-1,710.69	7,990.38	7,948.47	41.91	190.674		
15,000.00	6,840.00	6,846.57	6,845.98	243.13	1.76	96.88	-1,342.15	-1,710.69	8,090.32	8,048.34	41.97	192.757		
15,100.00	6,840.00	6,847.00	6,846.40	245.80	1.76	96.96	-1,342.15	-1,710.69	8,190.26	8,148.22	42.04	194.833		
15,200.00	6,840.00	6,847.43	6,846.83	248.48	1.76	97.05	-1,342.16	-1,710.69	8,290.20	8,248.10	42.10	196.900		
15,300.00	6,840.00	6,847.86	6,847.26	251.15	1.76	97.14	-1,342.16	-1,710.69	8,390.15	8,347.98	42.17	198.959		
15,400.00	6,840.00	6,848.29	6,847.69	253.83	1.76	97.23	-1,342.16	-1,710.70	8,490.10	8,447.86	42.24	201.011		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT OCOMA G25-15 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,500.00	6,840.00	6,848.72	6,848.12	256.51	1.76	97.32	-1,342.16	-1,710.70	8,590.04	8,547.74	42.30	203.054	
15,600.00	6,840.00	6,849.15	6,848.55	259.19	1.76	97.41	-1,342.16	-1,710.70	8,689.99	8,647.62	42.37	205.089	
15,700.00	6,840.00	6,849.59	6,848.99	261.87	1.76	97.50	-1,342.17	-1,710.70	8,789.94	8,747.50	42.44	207.116	
15,800.00	6,840.00	6,850.02	6,849.42	264.55	1.76	97.59	-1,342.17	-1,710.70	8,889.89	8,847.39	42.51	209.135	
15,900.00	6,840.00	6,850.46	6,849.86	267.23	1.76	97.68	-1,342.17	-1,710.71	8,989.85	8,947.27	42.58	211.146	
16,000.00	6,840.00	6,850.89	6,850.30	269.91	1.76	97.77	-1,342.17	-1,710.71	9,089.80	9,047.15	42.65	213.149	
16,100.00	6,840.00	6,851.33	6,850.73	272.59	1.76	97.86	-1,342.18	-1,710.71	9,189.75	9,147.04	42.71	215.143	
16,200.00	6,840.00	6,851.77	6,851.17	275.28	1.76	97.95	-1,342.18	-1,710.71	9,289.71	9,246.93	42.78	217.130	
16,300.00	6,840.00	6,852.21	6,851.61	277.96	1.76	98.04	-1,342.18	-1,710.71	9,389.67	9,346.81	42.85	219.108	
16,400.00	6,840.00	6,852.65	6,852.05	280.64	1.76	98.13	-1,342.18	-1,710.71	9,489.62	9,446.70	42.92	221.078	
16,500.00	6,840.00	6,853.09	6,852.50	283.33	1.76	98.22	-1,342.18	-1,710.72	9,589.58	9,546.59	42.99	223.039	
16,600.00	6,840.00	6,853.54	6,852.94	286.02	1.76	98.31	-1,342.19	-1,710.72	9,689.54	9,646.47	43.07	224.993	
16,700.00	6,840.00	6,853.98	6,853.38	288.70	1.76	98.40	-1,342.19	-1,710.72	9,789.50	9,746.36	43.14	226.938	
16,800.00	6,840.00	6,854.43	6,853.83	291.39	1.76	98.49	-1,342.19	-1,710.72	9,889.46	9,846.25	43.21	228.875	
16,900.00	6,840.00	6,854.87	6,854.28	294.08	1.76	98.58	-1,342.19	-1,710.72	9,989.42	9,946.14	43.28	230.803	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT PLUSS G 25-07 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-54.43	1,193.51	-1,668.67	2,051.95					
100.00	100.00	63.89	63.89	0.13	0.06	-54.43	1,193.40	-1,668.67	2,051.51	2,051.31	0.19	N/A		
200.00	200.00	164.10	164.10	0.49	0.18	-54.44	1,192.96	-1,668.68	2,051.26	2,050.58	0.68	3,038.659		
300.00	300.00	258.94	258.94	0.85	0.25	-54.44	1,192.77	-1,668.70	2,051.17	2,050.07	1.10	1,871.987		
325.62	325.62	282.91	282.91	0.94	0.25	73.61	1,192.77	-1,668.73	2,051.16	2,049.97	1.19	1,724.268		
400.00	399.98	358.95	358.95	1.20	0.28	73.66	1,192.80	-1,668.83	2,050.79	2,049.33	1.47	1,396.129		
500.00	499.84	456.81	456.81	1.55	0.31	73.82	1,192.74	-1,668.91	2,049.36	2,047.52	1.84	1,112.308		
600.00	599.45	556.29	556.29	1.91	0.35	74.10	1,192.83	-1,669.12	2,047.17	2,044.92	2.24	912.902		
700.00	698.70	653.87	653.87	2.29	0.40	74.48	1,192.82	-1,669.28	2,043.97	2,041.30	2.67	766.256		
800.00	797.47	752.23	752.23	2.70	0.44	74.97	1,192.95	-1,669.58	2,040.12	2,037.01	3.11	655.039		
900.00	895.62	850.86	850.86	3.14	0.48	75.56	1,192.88	-1,669.85	2,035.37	2,031.79	3.59	567.393		
1,000.00	993.06	947.37	947.37	3.62	0.51	76.26	1,193.06	-1,670.09	2,030.07	2,025.97	4.10	495.594		
1,100.00	1,089.64	1,045.46	1,045.46	4.14	0.56	77.07	1,193.11	-1,670.33	2,024.14	2,019.48	4.65	435.017		
1,200.00	1,185.27	1,139.58	1,139.57	4.70	0.60	77.96	1,193.19	-1,670.53	2,017.78	2,012.52	5.25	383.998		
1,300.00	1,279.82	1,232.81	1,232.81	5.31	0.64	78.94	1,193.40	-1,670.78	2,011.26	2,005.36	5.90	340.638		
1,400.00	1,373.17	1,329.02	1,329.01	5.98	0.68	80.04	1,193.65	-1,670.92	2,004.57	1,997.97	6.60	303.511		
1,500.00	1,465.22	1,422.58	1,422.57	6.70	0.71	81.19	1,193.78	-1,671.00	1,997.85	1,990.49	7.36	271.469		
1,600.00	1,556.72	1,513.05	1,513.05	7.45	0.74	82.24	1,193.94	-1,671.04	1,991.67	1,983.53	8.14	244.529		
1,700.00	1,648.21	1,602.93	1,602.93	8.21	0.77	83.28	1,194.09	-1,671.18	1,986.37	1,977.42	8.94	222.134		
1,800.00	1,739.71	1,696.08	1,696.07	8.99	0.81	84.35	1,194.19	-1,671.37	1,981.86	1,972.11	9.76	203.119		
1,900.00	1,831.20	1,787.62	1,787.61	9.77	0.85	85.42	1,194.25	-1,671.56	1,978.13	1,967.56	10.58	187.030		
2,000.00	1,922.69	1,867.67	1,867.67	10.56	0.88	86.34	1,194.34	-1,671.96	1,975.44	1,964.05	11.40	173.336		
2,100.00	2,014.19	1,952.98	1,952.96	11.35	0.91	87.33	1,194.66	-1,672.88	1,974.08	1,961.86	12.22	161.523		
2,200.00	2,105.68	2,043.38	2,043.36	12.14	0.95	88.38	1,195.12	-1,673.89	1,973.64	1,960.59	13.05	151.241		
2,201.69	2,107.23	2,044.91	2,044.89	12.16	0.95	88.39	1,195.13	-1,673.91	1,973.64	1,960.57	13.06	151.079 CC		
2,300.00	2,197.18	2,133.97	2,133.94	12.94	0.98	89.41	1,195.41	-1,675.19	1,974.04	1,960.17	13.88	142.257 ES		
2,400.00	2,288.67	2,222.37	2,222.33	13.74	1.02	90.42	1,195.66	-1,676.63	1,975.33	1,960.63	14.70	134.369		
2,500.00	2,380.17	2,306.12	2,306.06	14.54	1.05	91.37	1,195.93	-1,678.40	1,977.68	1,962.16	15.52	127.427		
2,600.00	2,471.66	2,384.64	2,384.55	15.35	1.08	92.26	1,196.63	-1,680.19	1,981.32	1,964.98	16.33	121.306		
2,700.00	2,563.16	2,471.42	2,471.30	16.15	1.11	93.25	1,198.07	-1,681.99	1,986.20	1,969.05	17.15	115.832		
2,800.00	2,654.65	2,563.12	2,562.97	16.96	1.14	94.31	1,199.89	-1,683.60	1,991.97	1,974.01	17.96	110.916		
2,900.00	2,746.15	2,655.38	2,655.21	17.76	1.17	95.37	1,201.79	-1,685.02	1,998.49	1,979.72	18.77	106.495		
3,000.00	2,837.64	2,752.71	2,752.50	18.57	1.21	96.49	1,203.66	-1,686.56	2,005.72	1,986.15	19.57	102.493		
3,100.00	2,929.14	2,851.14	2,850.91	19.38	1.24	97.60	1,205.14	-1,688.00	2,013.34	1,992.97	20.37	98.857		
3,200.00	3,020.63	2,950.20	2,949.95	20.19	1.28	98.71	1,206.39	-1,689.34	2,021.49	2,000.33	21.16	95.554		
3,300.00	3,112.13	3,050.22	3,049.96	21.00	1.31	99.83	1,207.25	-1,690.43	2,029.96	2,008.02	21.94	92.540		
3,400.00	3,203.62	3,146.30	3,146.04	21.81	1.35	100.89	1,207.79	-1,691.44	2,038.92	2,016.21	22.70	89.803		
3,500.00	3,295.12	3,243.33	3,243.06	22.63	1.38	101.95	1,208.16	-1,692.35	2,048.43	2,024.96	23.46	87.304		
3,600.00	3,386.61	3,344.21	3,343.94	23.44	1.40	103.06	1,208.35	-1,692.85	2,058.35	2,034.15	24.20	85.053		
3,700.00	3,478.10	3,442.62	3,442.35	24.25	1.40	104.14	1,208.26	-1,692.83	2,068.56	2,043.65	24.91	83.036		
3,800.00	3,569.60	3,537.63	3,537.36	25.06	1.40	105.17	1,208.06	-1,692.66	2,079.37	2,053.76	25.61	81.187		
3,900.00	3,661.09	3,634.28	3,634.01	25.88	1.41	106.20	1,207.46	-1,692.81	2,090.65	2,064.34	26.31	79.476		
4,000.00	3,752.59	3,727.24	3,726.96	26.69	1.42	107.17	1,206.67	-1,693.19	2,102.51	2,075.51	26.99	77.890		
4,100.00	3,844.08	3,819.92	3,819.64	27.50	1.44	108.13	1,205.85	-1,693.59	2,115.01	2,087.34	27.67	76.433		
4,200.00	3,935.58	3,913.04	3,912.75	28.32	1.46	109.08	1,204.92	-1,694.04	2,128.09	2,099.75	28.34	75.091		
4,300.00	4,027.07	3,997.91	3,997.62	29.13	1.48	109.95	1,204.25	-1,694.35	2,141.98	2,112.98	28.99	73.876		
4,400.00	4,118.57	4,081.83	4,081.53	29.95	1.49	110.79	1,203.90	-1,694.59	2,156.81	2,127.18	29.64	72.776		
4,500.00	4,210.06	4,174.31	4,174.02	30.76	1.51	111.72	1,203.73	-1,694.82	2,172.47	2,142.20	30.27	71.766		
4,600.00	4,301.56	4,262.39	4,262.09	31.58	1.53	112.59	1,203.57	-1,694.93	2,188.74	2,157.84	30.89	70.852		
4,700.00	4,393.05	4,350.72	4,350.43	32.39	1.55	113.45	1,203.55	-1,695.30	2,205.81	2,174.30	31.51	70.009		
4,800.00	4,484.55	4,441.47	4,441.18	33.21	1.58	114.31	1,203.51	-1,696.05	2,223.54	2,191.42	32.12	69.225		
4,900.00	4,576.04	4,532.45	4,532.15	34.02	1.61	115.16	1,203.50	-1,696.87	2,241.86	2,209.14	32.72	68.509		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT PLUS G 25-07 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,667.54	4,624.39	4,624.09	34.84	1.64	116.02	1,203.57	-1,697.44	2,260.77	2,227.45	33.32	67.856		
5,100.00	4,759.03	4,716.53	4,716.23	35.65	1.67	116.86	1,203.58	-1,697.88	2,280.14	2,246.24	33.90	67.262		
5,200.00	4,850.53	4,798.63	4,798.32	36.47	1.70	117.61	1,203.77	-1,698.38	2,300.27	2,265.81	34.46	66.749		
5,300.00	4,942.02	4,896.88	4,896.58	37.28	1.73	118.48	1,204.06	-1,699.12	2,320.99	2,285.95	35.03	66.250		
5,400.00	5,033.51	4,989.34	4,989.02	38.10	1.76	119.28	1,204.16	-1,699.90	2,342.04	2,306.45	35.59	65.806		
5,500.00	5,125.01	5,078.81	5,078.49	38.92	1.79	120.04	1,204.27	-1,700.73	2,363.61	2,327.47	36.13	65.411		
5,600.00	5,216.50	5,172.60	5,172.28	39.73	1.82	120.83	1,204.42	-1,701.68	2,385.67	2,348.99	36.68	65.047		
5,700.00	5,308.00	5,267.44	5,267.11	40.55	1.85	121.61	1,204.44	-1,702.72	2,408.07	2,370.85	37.21	64.713		
5,800.00	5,399.49	5,358.15	5,357.82	41.36	1.88	122.34	1,204.40	-1,703.68	2,430.84	2,393.11	37.73	64.423		
5,900.00	5,490.99	5,451.75	5,451.42	42.18	1.91	123.08	1,204.41	-1,704.81	2,454.10	2,415.85	38.25	64.159		
6,000.00	5,582.48	5,544.08	5,543.73	43.00	1.94	123.80	1,204.28	-1,706.00	2,477.63	2,438.87	38.76	63.922		
6,100.00	5,673.98	5,628.04	5,627.69	43.81	1.97	124.44	1,204.31	-1,706.87	2,501.72	2,462.47	39.25	63.740		
6,200.00	5,765.47	5,708.23	5,707.87	44.63	1.99	125.06	1,204.70	-1,707.49	2,526.61	2,486.89	39.72	63.606		
6,300.00	5,856.97	5,800.60	5,800.24	45.45	2.02	125.75	1,205.32	-1,708.17	2,552.07	2,511.86	40.21	63.468		
6,400.00	5,948.46	5,897.61	5,897.24	46.26	2.05	126.47	1,205.86	-1,708.80	2,577.78	2,537.08	40.70	63.339		
6,500.00	6,039.96	5,991.15	5,990.78	47.08	2.08	127.15	1,206.24	-1,709.38	2,603.73	2,562.56	41.17	63.238		
6,600.00	6,131.45	6,085.44	6,085.07	47.90	2.11	127.82	1,206.55	-1,710.11	2,629.96	2,588.32	41.65	63.151		
6,700.00	6,222.95	6,179.96	6,179.59	48.71	2.14	128.47	1,206.76	-1,710.97	2,656.44	2,614.32	42.11	63.080		
6,800.00	6,314.44	6,272.83	6,272.45	49.53	2.17	129.10	1,206.91	-1,712.01	2,683.16	2,640.59	42.57	63.025		
6,900.00	6,405.93	6,366.20	6,365.81	50.35	2.20	129.72	1,207.03	-1,713.17	2,710.18	2,667.15	43.03	62.983		
7,000.00	6,497.01	6,450.17	6,449.78	51.18	2.23	124.15	1,207.18	-1,714.44	2,737.51	2,694.03	43.48	62.964		
7,100.00	6,588.62	6,529.23	6,528.82	52.20	2.26	113.34	1,207.67	-1,715.89	2,765.19	2,721.17	44.02	62.813		
7,200.00	6,659.25	6,611.43	6,611.01	53.42	2.28	106.54	1,208.19	-1,717.42	2,792.69	2,747.99	44.70	62.475		
7,300.00	6,724.59	6,694.41	6,693.97	54.84	2.31	101.96	1,208.38	-1,718.94	2,819.70	2,774.21	45.50	61.974		
7,400.00	6,776.64	6,734.18	6,733.74	56.40	2.32	97.99	1,208.41	-1,719.59	2,846.54	2,800.24	46.30	61.474		
7,500.00	6,813.82	6,760.67	6,760.22	58.08	2.33	94.60	1,208.55	-1,719.90	2,873.43	2,826.28	47.15	60.936		
7,600.00	6,835.01	6,775.80	6,775.35	59.82	2.33	91.62	1,208.67	-1,720.04	2,899.99	2,851.97	48.02	60.389		
7,700.00	6,840.00	6,779.72	6,779.27	61.57	2.33	89.58	1,208.70	-1,720.07	2,925.80	2,876.93	48.87	59.870		
7,800.00	6,840.00	6,780.23	6,779.78	63.35	2.33	89.59	1,208.71	-1,720.07	2,953.49	2,903.78	49.71	59.416		
7,900.00	6,840.00	6,780.73	6,780.29	65.20	2.33	89.60	1,208.71	-1,720.08	2,984.27	2,933.72	50.54	59.042		
8,000.00	6,840.00	6,781.23	6,780.78	67.10	2.33	89.61	1,208.72	-1,720.08	3,018.05	2,966.68	51.37	58.750		
8,100.00	6,840.00	6,781.72	6,781.27	69.05	2.33	89.62	1,208.72	-1,720.09	3,054.73	3,002.55	52.18	58.539		
8,200.00	6,840.00	6,782.19	6,781.75	71.06	2.33	89.63	1,208.73	-1,720.09	3,094.21	3,041.24	52.98	58.409		
8,300.00	6,840.00	6,782.66	6,782.22	73.11	2.33	89.64	1,208.73	-1,720.09	3,136.39	3,082.64	53.75	58.355 SF		
8,400.00	6,840.00	6,783.13	6,782.68	75.21	2.33	89.65	1,208.74	-1,720.10	3,181.14	3,126.65	54.49	58.378		
8,500.00	6,840.00	6,783.58	6,783.13	77.34	2.33	89.66	1,208.74	-1,720.10	3,228.38	3,173.17	55.21	58.472		
8,600.00	6,840.00	6,784.03	6,783.58	79.51	2.33	89.67	1,208.75	-1,720.10	3,277.99	3,222.08	55.90	58.636		
8,700.00	6,840.00	6,784.47	6,784.02	81.72	2.33	89.68	1,208.75	-1,720.10	3,329.86	3,273.29	56.57	58.865		
8,800.00	6,840.00	6,784.90	6,784.45	83.95	2.33	89.68	1,208.76	-1,720.11	3,383.89	3,326.69	57.20	59.158		
8,900.00	6,840.00	6,785.33	6,784.88	86.22	2.33	89.69	1,208.76	-1,720.11	3,439.99	3,382.18	57.81	59.509		
9,000.00	6,840.00	6,785.75	6,785.30	88.51	2.33	89.70	1,208.76	-1,720.11	3,498.04	3,439.66	58.38	59.918		
9,100.00	6,840.00	6,800.00	6,799.55	90.83	2.34	89.99	1,208.92	-1,720.20	3,558.00	3,499.03	58.97	60.338		
9,200.00	6,840.00	6,800.00	6,799.55	93.16	2.34	89.99	1,208.92	-1,720.20	3,619.68	3,560.19	59.49	60.850		
9,300.00	6,840.00	6,800.00	6,799.55	95.52	2.34	89.99	1,208.92	-1,720.20	3,683.05	3,623.07	59.98	61.409		
9,400.00	6,840.00	6,800.00	6,799.55	97.90	2.34	89.99	1,208.92	-1,720.20	3,748.01	3,687.57	60.44	62.013		
9,500.00	6,840.00	6,800.00	6,799.55	100.30	2.34	89.99	1,208.92	-1,720.20	3,814.49	3,753.61	60.88	62.658		
9,600.00	6,840.00	6,800.00	6,799.55	102.72	2.34	89.99	1,208.92	-1,720.20	3,882.40	3,821.11	61.29	63.343		
9,700.00	6,840.00	6,800.00	6,799.55	105.15	2.34	89.99	1,208.92	-1,720.20	3,951.68	3,890.00	61.68	64.065		
9,800.00	6,840.00	6,800.00	6,799.55	107.59	2.34	89.99	1,208.92	-1,720.20	4,022.26	3,960.20	62.05	64.821		
9,900.00	6,840.00	6,800.00	6,799.55	110.05	2.34	89.99	1,208.92	-1,720.20	4,094.06	4,031.66	62.40	65.609		
10,000.00	6,840.00	6,800.00	6,799.55	112.52	2.34	89.99	1,208.92	-1,720.20	4,167.02	4,104.29	62.73	66.429		
10,100.00	6,840.00	6,800.00	6,799.55	115.00	2.34	89.99	1,208.92	-1,720.20	4,241.08	4,178.04	63.04	67.277		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT PLUS G 25-07 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,200.00	6,840.00	6,800.00	6,799.55	117.50	2.34	89.99	1,208.92	-1,720.20	4,316.19	4,252.86	63.33	68.152		
10,300.00	6,840.00	6,800.00	6,799.55	120.00	2.34	89.99	1,208.92	-1,720.20	4,392.30	4,328.69	63.61	69.053		
10,400.00	6,840.00	6,800.00	6,799.55	122.51	2.34	89.99	1,208.92	-1,720.20	4,469.34	4,405.47	63.87	69.978		
10,500.00	6,840.00	6,800.00	6,799.55	125.04	2.34	89.99	1,208.92	-1,720.20	4,547.28	4,483.17	64.11	70.925		
10,600.00	6,840.00	6,800.00	6,799.55	127.57	2.34	89.99	1,208.92	-1,720.20	4,626.07	4,561.72	64.35	71.894		
10,700.00	6,840.00	6,800.00	6,799.55	130.11	2.34	89.99	1,208.92	-1,720.20	4,705.66	4,641.10	64.57	72.882		
10,800.00	6,840.00	6,800.00	6,799.55	132.66	2.34	89.99	1,208.92	-1,720.20	4,786.02	4,721.25	64.77	73.889		
10,900.00	6,840.00	6,800.00	6,799.55	135.21	2.34	89.99	1,208.92	-1,720.20	4,867.11	4,802.14	64.97	74.914		
11,000.00	6,840.00	6,800.00	6,799.55	137.77	2.34	89.99	1,208.92	-1,720.20	4,948.89	4,883.73	65.15	75.956		
11,100.00	6,840.00	6,800.00	6,799.55	140.34	2.34	89.99	1,208.92	-1,720.20	5,031.32	4,965.99	65.33	77.014		
11,200.00	6,840.00	6,800.00	6,799.55	142.91	2.34	89.99	1,208.92	-1,720.20	5,114.39	5,048.89	65.50	78.086		
11,300.00	6,840.00	6,800.00	6,799.55	145.49	2.34	89.99	1,208.92	-1,720.20	5,198.05	5,132.39	65.66	79.172		
11,400.00	6,840.00	6,800.00	6,799.55	148.07	2.34	89.99	1,208.92	-1,720.20	5,282.28	5,216.47	65.81	80.272		
11,500.00	6,840.00	6,800.00	6,799.55	150.66	2.34	89.99	1,208.92	-1,720.20	5,367.05	5,301.10	65.95	81.384		
11,600.00	6,840.00	6,800.00	6,799.55	153.25	2.34	89.99	1,208.92	-1,720.20	5,452.33	5,386.25	66.08	82.507		
11,700.00	6,840.00	6,800.00	6,799.55	155.85	2.34	89.99	1,208.92	-1,720.20	5,538.11	5,471.90	66.21	83.642		
11,800.00	6,840.00	6,800.00	6,799.55	158.45	2.34	89.99	1,208.92	-1,720.20	5,624.36	5,558.03	66.33	84.788		
11,900.00	6,840.00	6,800.00	6,799.55	161.06	2.34	89.99	1,208.92	-1,720.20	5,711.06	5,644.61	66.45	85.943		
12,000.00	6,840.00	6,800.00	6,799.55	163.67	2.34	89.99	1,208.92	-1,720.20	5,798.18	5,731.62	66.56	87.108		
12,100.00	6,840.00	6,800.00	6,799.55	166.28	2.34	89.99	1,208.92	-1,720.20	5,885.72	5,819.05	66.67	88.281		
12,200.00	6,840.00	6,800.00	6,799.55	168.90	2.34	89.99	1,208.92	-1,720.20	5,973.64	5,906.87	66.77	89.463		
12,300.00	6,840.00	6,800.00	6,799.55	171.52	2.34	89.99	1,208.92	-1,720.20	6,061.94	5,995.07	66.87	90.652		
12,400.00	6,840.00	6,800.00	6,799.55	174.15	2.34	89.99	1,208.92	-1,720.20	6,150.60	6,083.64	66.96	91.850		
12,500.00	6,840.00	6,800.00	6,799.55	176.77	2.34	89.99	1,208.92	-1,720.20	6,239.60	6,172.55	67.05	93.054		
12,600.00	6,840.00	6,800.00	6,799.55	179.40	2.34	89.99	1,208.92	-1,720.20	6,328.93	6,261.79	67.14	94.264		
12,700.00	6,840.00	6,800.00	6,799.55	182.04	2.34	89.99	1,208.92	-1,720.20	6,418.58	6,351.35	67.22	95.481		
12,800.00	6,840.00	6,800.00	6,799.55	184.67	2.34	89.99	1,208.92	-1,720.20	6,508.52	6,441.22	67.30	96.704		
12,900.00	6,840.00	6,800.00	6,799.55	187.31	2.34	89.99	1,208.92	-1,720.20	6,598.76	6,531.38	67.38	97.933		
13,000.00	6,840.00	6,800.00	6,799.55	189.95	2.34	89.99	1,208.92	-1,720.20	6,689.27	6,621.82	67.45	99.166		
13,100.00	6,840.00	6,800.00	6,799.55	192.59	2.34	89.99	1,208.92	-1,720.20	6,780.05	6,712.53	67.53	100.405		
13,200.00	6,840.00	6,800.00	6,799.55	195.24	2.34	89.99	1,208.92	-1,720.20	6,871.09	6,803.49	67.60	101.648		
13,300.00	6,840.00	6,800.00	6,799.55	197.88	2.34	89.99	1,208.92	-1,720.20	6,962.37	6,894.71	67.66	102.896		
13,400.00	6,840.00	6,800.00	6,799.55	200.53	2.34	89.99	1,208.92	-1,720.20	7,053.89	6,986.16	67.73	104.148		
13,500.00	6,840.00	6,800.00	6,799.55	203.18	2.34	89.99	1,208.92	-1,720.20	7,145.63	7,077.84	67.79	105.404		
13,600.00	6,840.00	6,800.00	6,799.55	205.83	2.34	89.99	1,208.92	-1,720.20	7,237.60	7,169.74	67.85	106.663		
13,700.00	6,840.00	6,800.00	6,799.55	208.49	2.34	89.99	1,208.92	-1,720.20	7,329.77	7,261.86	67.92	107.926		
13,800.00	6,840.00	6,800.00	6,799.55	211.14	2.34	89.99	1,208.92	-1,720.20	7,422.15	7,354.18	67.97	109.192		
13,900.00	6,840.00	6,800.00	6,799.55	213.80	2.34	89.99	1,208.92	-1,720.20	7,514.72	7,446.69	68.03	110.460		
14,000.00	6,840.00	6,800.00	6,799.55	216.46	2.34	89.99	1,208.92	-1,720.20	7,607.48	7,539.40	68.09	111.732		
14,100.00	6,840.00	6,800.00	6,799.55	219.12	2.34	89.99	1,208.92	-1,720.20	7,700.43	7,632.28	68.14	113.006		
14,200.00	6,840.00	6,800.00	6,799.55	221.78	2.34	89.99	1,208.92	-1,720.20	7,793.54	7,725.35	68.20	114.283		
14,300.00	6,840.00	6,800.00	6,799.55	224.45	2.34	89.99	1,208.92	-1,720.20	7,886.83	7,818.58	68.25	115.562		
14,400.00	6,840.00	6,800.00	6,799.55	227.11	2.34	89.99	1,208.92	-1,720.20	7,980.28	7,911.98	68.30	116.843		
14,500.00	6,840.00	6,800.00	6,799.55	229.78	2.34	89.99	1,208.92	-1,720.20	8,073.88	8,005.53	68.35	118.126		
14,600.00	6,840.00	6,800.00	6,799.55	232.45	2.34	89.99	1,208.92	-1,720.20	8,167.64	8,099.24	68.40	119.411		
14,700.00	6,840.00	6,800.00	6,799.55	235.12	2.34	89.99	1,208.92	-1,720.20	8,261.54	8,193.09	68.45	120.697		
14,800.00	6,840.00	6,800.00	6,799.55	237.79	2.34	89.99	1,208.92	-1,720.20	8,355.58	8,287.09	68.50	121.985		
14,900.00	6,840.00	6,800.00	6,799.55	240.46	2.34	89.99	1,208.92	-1,720.20	8,449.76	8,381.22	68.54	123.274		
15,000.00	6,840.00	6,800.00	6,799.55	243.13	2.34	89.99	1,208.92	-1,720.20	8,544.08	8,475.49	68.59	124.564		
15,100.00	6,840.00	6,800.00	6,799.55	245.80	2.34	89.99	1,208.92	-1,720.20	8,638.52	8,569.88	68.64	125.856		
15,200.00	6,840.00	6,800.00	6,799.55	248.48	2.34	89.99	1,208.92	-1,720.20	8,733.08	8,664.40	68.68	127.148		
15,300.00	6,840.00	6,800.00	6,799.55	251.15	2.34	89.99	1,208.92	-1,720.20	8,827.77	8,759.04	68.73	128.442		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT PLUSS G 25-07 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,400.00	6,840.00	6,800.00	6,799.55	253.83	2.34	89.99	1,208.92	-1,720.20	8,922.57	8,853.79	68.77	129.736	
15,500.00	6,840.00	6,800.00	6,799.55	256.51	2.34	89.99	1,208.92	-1,720.20	9,017.48	8,948.66	68.82	131.030	
15,600.00	6,840.00	6,800.00	6,799.55	259.19	2.34	89.99	1,208.92	-1,720.20	9,112.50	9,043.64	68.86	132.326	
15,700.00	6,840.00	6,800.00	6,799.55	261.87	2.34	89.99	1,208.92	-1,720.20	9,207.63	9,138.72	68.91	133.621	
15,800.00	6,840.00	6,800.00	6,799.55	264.55	2.34	89.99	1,208.92	-1,720.20	9,302.86	9,233.91	68.95	134.917	
15,900.00	6,840.00	6,800.00	6,799.55	267.23	2.34	89.99	1,208.92	-1,720.20	9,398.19	9,329.19	69.00	136.214	
16,000.00	6,840.00	6,800.00	6,799.55	269.91	2.34	89.99	1,208.92	-1,720.20	9,493.61	9,424.57	69.04	137.510	
16,100.00	6,840.00	6,800.00	6,799.55	272.59	2.34	89.99	1,208.92	-1,720.20	9,589.13	9,520.05	69.08	138.807	
16,200.00	6,840.00	6,800.00	6,799.55	275.28	2.34	89.99	1,208.92	-1,720.20	9,684.74	9,615.61	69.13	140.103	
16,300.00	6,840.00	6,800.00	6,799.55	277.96	2.34	89.99	1,208.92	-1,720.20	9,780.44	9,711.27	69.17	141.400	
16,400.00	6,840.00	6,800.00	6,799.55	280.64	2.34	89.99	1,208.92	-1,720.20	9,876.22	9,807.01	69.21	142.696	
16,500.00	6,840.00	6,800.00	6,799.55	283.33	2.34	89.99	1,208.92	-1,720.20	9,972.08	9,902.83	69.25	143.992	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT SHELTON G 25-02 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-31.73	2,658.01	-1,643.46	3,125.38					
100.00	100.00	52.57	52.57	0.13	0.05	-31.73	2,658.04	-1,643.45	3,125.08	3,124.89	0.18	N/A		
200.00	200.00	154.94	154.94	0.49	0.16	-31.72	2,658.24	-1,643.30	3,125.17	3,124.52	0.65	4,793.435		
300.00	300.00	259.41	259.41	0.85	0.27	-31.72	2,658.38	-1,642.89	3,125.07	3,123.96	1.11	2,804.726		
340.72	340.71	300.62	300.62	0.99	0.31	96.35	2,658.44	-1,642.67	3,125.04	3,123.75	1.29	2,421.402 CC		
400.00	399.98	357.28	357.27	1.20	0.35	96.37	2,658.54	-1,642.39	3,125.14	3,123.60	1.53	2,039.025 ES		
500.00	499.84	456.52	456.52	1.55	0.41	96.47	2,658.72	-1,642.03	3,125.68	3,123.75	1.94	1,612.720		
600.00	599.45	554.49	554.49	1.91	0.44	96.61	2,658.77	-1,641.83	3,126.63	3,124.30	2.33	1,344.564		
700.00	698.70	647.77	647.77	2.29	0.44	96.78	2,658.78	-1,641.98	3,128.14	3,125.43	2.71	1,153.038		
800.00	797.47	741.91	741.90	2.70	0.47	97.01	2,659.19	-1,641.81	3,130.33	3,127.19	3.15	994.771		
900.00	895.62	843.17	843.16	3.14	0.52	97.32	2,659.70	-1,641.60	3,133.09	3,129.46	3.63	863.683		
1,000.00	993.06	952.96	952.96	3.62	0.54	97.70	2,659.77	-1,641.62	3,136.17	3,132.05	4.12	760.492		
1,100.00	1,089.64	1,052.98	1,052.97	4.14	0.55	98.10	2,659.45	-1,641.59	3,139.56	3,134.90	4.66	674.248		
1,200.00	1,185.27	1,143.36	1,143.36	4.70	0.58	98.50	2,659.35	-1,641.44	3,143.78	3,138.54	5.24	599.896		
1,300.00	1,279.82	1,233.19	1,233.18	5.31	0.60	98.92	2,659.37	-1,641.38	3,148.96	3,143.10	5.86	536.961		
1,400.00	1,373.17	1,326.97	1,326.96	5.98	0.61	99.40	2,659.38	-1,641.54	3,155.17	3,148.64	6.53	483.447		
1,500.00	1,465.22	1,428.99	1,428.98	6.70	0.63	99.99	2,659.12	-1,641.69	3,162.12	3,154.86	7.26	435.829		
1,600.00	1,556.72	1,520.77	1,520.76	7.45	0.65	100.65	2,658.82	-1,641.72	3,169.69	3,161.67	8.02	395.294		
1,700.00	1,648.21	1,613.91	1,613.90	8.21	0.68	101.31	2,658.53	-1,641.68	3,177.73	3,168.94	8.79	361.472		
1,800.00	1,739.71	1,714.21	1,714.20	8.99	0.72	102.03	2,658.08	-1,641.55	3,186.12	3,176.55	9.57	332.875		
1,900.00	1,831.20	1,820.06	1,820.05	9.77	0.75	102.78	2,657.22	-1,641.20	3,194.60	3,184.25	10.36	308.438		
2,000.00	1,922.69	1,910.81	1,910.79	10.56	0.78	103.42	2,656.28	-1,640.97	3,203.41	3,192.28	11.14	287.597		
2,100.00	2,014.19	1,999.96	1,999.94	11.35	0.81	104.04	2,655.40	-1,640.75	3,212.75	3,200.83	11.92	269.544		
2,200.00	2,105.68	2,092.47	2,092.44	12.14	0.83	104.68	2,654.42	-1,640.78	3,222.58	3,209.88	12.70	253.803		
2,300.00	2,197.18	2,189.29	2,189.25	12.94	0.86	105.34	2,653.19	-1,641.08	3,232.79	3,219.31	13.48	239.879		
2,400.00	2,288.67	2,277.74	2,277.70	13.74	0.89	105.95	2,652.10	-1,641.17	3,243.40	3,229.15	14.25	227.590		
2,500.00	2,380.17	2,357.67	2,357.62	14.54	0.91	106.49	2,651.31	-1,641.22	3,254.67	3,239.65	15.02	216.723		
2,600.00	2,471.66	2,438.18	2,438.13	15.35	0.93	107.04	2,650.84	-1,641.37	3,266.75	3,250.97	15.78	207.064		
2,700.00	2,563.16	2,527.29	2,527.24	16.15	0.96	107.64	2,650.62	-1,641.28	3,279.50	3,262.97	16.53	198.365		
2,800.00	2,654.65	2,627.46	2,627.41	16.96	0.99	108.32	2,650.25	-1,641.02	3,292.53	3,275.23	17.30	190.363		
2,900.00	2,746.15	2,718.74	2,718.68	17.76	1.02	108.94	2,649.81	-1,640.73	3,305.89	3,287.84	18.05	183.139		
3,000.00	2,837.64	2,804.20	2,804.14	18.57	1.05	109.51	2,649.52	-1,640.43	3,319.79	3,301.00	18.80	176.612		
3,100.00	2,929.14	2,896.73	2,896.68	19.38	1.07	110.13	2,649.29	-1,640.02	3,334.20	3,314.66	19.54	170.634		
3,200.00	3,020.63	2,989.24	2,989.18	20.19	1.10	110.74	2,649.08	-1,639.44	3,349.00	3,328.72	20.28	165.173		
3,300.00	3,112.13	3,077.85	3,077.79	21.00	1.13	111.33	2,648.93	-1,638.75	3,364.24	3,343.24	21.00	160.187		
3,400.00	3,203.62	3,165.53	3,165.47	21.81	1.16	111.90	2,648.88	-1,638.04	3,380.00	3,358.28	21.72	155.618		
3,500.00	3,295.12	3,265.60	3,265.53	22.63	1.18	112.56	2,648.90	-1,636.87	3,396.18	3,373.75	22.44	151.371		
3,600.00	3,386.61	3,348.42	3,348.34	23.44	1.21	113.11	2,648.86	-1,635.44	3,412.60	3,389.47	23.14	147.504		
3,700.00	3,478.10	3,430.85	3,430.76	24.25	1.23	113.64	2,649.12	-1,634.51	3,429.88	3,406.06	23.83	143.945		
3,800.00	3,569.60	3,538.00	3,537.91	25.06	1.26	114.32	2,649.06	-1,633.80	3,447.32	3,422.79	24.53	140.538		
3,900.00	3,661.09	3,634.02	3,633.93	25.88	1.29	114.92	2,648.72	-1,633.21	3,464.90	3,439.67	25.22	137.360		
4,000.00	3,752.59	3,724.68	3,724.58	26.69	1.32	115.48	2,648.33	-1,632.76	3,482.82	3,456.91	25.91	134.406		
4,100.00	3,844.08	3,813.50	3,813.40	27.50	1.35	116.03	2,648.00	-1,632.41	3,501.18	3,474.59	26.59	131.655		
4,200.00	3,935.58	3,906.71	3,906.61	28.32	1.37	116.59	2,647.61	-1,632.31	3,519.91	3,492.64	27.27	129.077		
4,300.00	4,027.07	3,990.80	3,990.70	29.13	1.38	117.09	2,647.30	-1,632.43	3,539.08	3,511.15	27.94	126.687		
4,400.00	4,118.57	4,076.66	4,076.56	29.95	1.39	117.59	2,647.09	-1,632.89	3,558.77	3,530.18	28.59	124.466		
4,500.00	4,210.06	4,166.81	4,166.70	30.76	1.40	118.10	2,646.89	-1,633.98	3,578.89	3,549.64	29.25	122.374		
4,600.00	4,301.56	4,263.60	4,263.48	31.58	1.41	118.63	2,646.60	-1,635.48	3,599.30	3,569.40	29.90	120.384		
4,700.00	4,393.05	4,359.30	4,359.16	32.39	1.42	119.15	2,646.12	-1,637.31	3,619.86	3,589.32	30.55	118.500		
4,800.00	4,484.55	4,451.89	4,451.74	33.21	1.42	119.65	2,645.61	-1,639.10	3,640.69	3,609.50	31.19	116.730		
4,900.00	4,576.04	4,547.08	4,546.91	34.02	1.44	120.16	2,645.07	-1,640.89	3,661.79	3,629.96	31.83	115.050		
5,000.00	4,667.54	4,641.39	4,641.20	34.84	1.45	120.66	2,644.45	-1,642.46	3,683.06	3,650.60	32.46	113.462		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT SHELTON G 25-02 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,759.03	4,728.58	4,728.38	35.65	1.46	121.12	2,643.91	-1,643.92	3,704.66	3,671.58	33.08	111.982		
5,200.00	4,850.53	4,810.73	4,810.51	36.47	1.47	121.54	2,643.58	-1,645.30	3,726.74	3,693.04	33.69	110.607		
5,300.00	4,942.02	4,887.80	4,887.57	37.28	1.48	121.94	2,643.52	-1,646.80	3,749.40	3,715.11	34.29	109.334		
5,400.00	5,033.51	5,000.48	5,000.22	38.10	1.49	122.50	2,643.41	-1,649.26	3,772.33	3,737.41	34.92	108.029		
5,500.00	5,125.01	5,095.51	5,095.23	38.92	1.50	122.97	2,642.97	-1,651.26	3,795.17	3,759.64	35.53	106.822		
5,600.00	5,216.50	5,215.12	5,214.81	39.73	1.52	123.56	2,641.96	-1,653.63	3,817.91	3,781.75	36.16	105.597		
5,700.00	5,308.00	5,291.78	5,291.45	40.55	1.53	123.93	2,641.24	-1,655.26	3,840.81	3,804.07	36.74	104.540		
5,800.00	5,399.49	5,377.14	5,376.78	41.36	1.55	124.34	2,640.62	-1,657.50	3,864.16	3,826.83	37.33	103.520		
5,900.00	5,490.99	5,467.90	5,467.49	42.18	1.56	124.75	2,640.06	-1,660.49	3,887.86	3,849.94	37.92	102.533		
6,000.00	5,582.48	5,557.39	5,556.90	43.00	1.57	125.15	2,639.53	-1,663.99	3,911.81	3,873.30	38.50	101.594		
6,100.00	5,673.98	5,663.45	5,662.85	43.81	1.59	125.60	2,638.89	-1,669.03	3,935.96	3,896.85	39.11	100.642		
6,200.00	5,765.47	5,741.08	5,740.40	44.63	1.60	125.93	2,638.20	-1,672.55	3,960.07	3,920.39	39.68	99.811		
6,300.00	5,856.97	5,800.00	5,799.27	45.45	1.61	126.19	2,638.17	-1,674.81	3,985.11	3,944.90	40.21	99.100		
6,400.00	5,948.46	5,875.86	5,875.08	46.26	1.62	126.52	2,638.61	-1,677.24	4,010.95	3,970.19	40.76	98.404		
6,500.00	6,039.96	5,964.42	5,963.62	47.08	1.63	126.91	2,639.36	-1,679.44	4,037.24	3,995.93	41.31	97.725		
6,600.00	6,131.45	6,050.67	6,049.86	47.90	1.64	127.30	2,640.09	-1,680.79	4,063.78	4,021.93	41.85	97.097		
6,700.00	6,222.95	6,130.49	6,129.66	48.71	1.65	127.66	2,640.95	-1,681.84	4,090.75	4,048.37	42.38	96.525		
6,800.00	6,314.44	6,209.61	6,208.77	49.53	1.65	128.01	2,642.07	-1,683.12	4,118.23	4,075.33	42.90	95.989		
6,900.00	6,405.93	6,306.76	6,305.88	50.35	1.66	128.42	2,643.54	-1,685.15	4,145.98	4,102.54	43.45	95.429		
7,000.00	6,497.01	6,408.18	6,407.25	51.18	1.68	122.72	2,644.92	-1,687.75	4,173.70	4,129.70	44.01	94.841		
7,100.00	6,582.62	6,510.12	6,509.14	52.20	1.69	111.87	2,646.04	-1,691.00	4,200.66	4,155.94	44.72	93.937		
7,200.00	6,659.25	6,616.58	6,615.52	53.42	1.71	105.12	2,646.71	-1,694.89	4,226.24	4,180.63	45.61	92.654		
7,300.00	6,724.59	6,720.71	6,719.55	54.84	1.73	100.65	2,646.63	-1,699.48	4,250.13	4,203.46	46.67	91.062		
7,400.00	6,776.64	6,763.08	6,761.88	56.40	1.74	96.95	2,646.56	-1,701.45	4,272.71	4,224.92	47.79	89.407		
7,500.00	6,813.82	6,803.63	6,802.38	58.08	1.75	94.17	2,646.52	-1,703.35	4,293.97	4,244.95	49.02	87.605		
7,600.00	6,835.01	7,054.12	7,052.38	59.82	1.82	94.94	2,639.14	-1,716.43	4,312.34	4,261.69	50.64	85.149		
7,700.00	6,840.00	7,064.63	7,062.86	61.57	1.83	93.60	2,638.59	-1,717.01	4,329.78	4,277.84	51.93	83.371		
7,800.00	6,840.00	7,070.10	7,068.32	63.35	1.83	93.68	2,638.30	-1,717.31	4,348.44	4,295.21	53.23	81.687		
7,900.00	6,840.00	7,075.58	7,073.78	65.20	1.83	93.75	2,638.01	-1,717.61	4,369.31	4,314.76	54.55	80.099		
8,000.00	6,840.00	7,081.05	7,079.23	67.10	1.84	93.82	2,637.72	-1,717.91	4,392.34	4,336.47	55.88	78.610		
8,100.00	6,840.00	7,086.53	7,084.69	69.05	1.84	93.90	2,637.43	-1,718.21	4,417.52	4,360.31	57.21	77.221		
8,200.00	6,840.00	7,092.00	7,090.15	71.06	1.84	93.97	2,637.14	-1,718.51	4,444.79	4,386.26	58.54	75.931		
8,300.00	6,840.00	7,097.47	7,095.61	73.11	1.84	94.04	2,636.86	-1,718.81	4,474.13	4,414.27	59.86	74.741		
8,400.00	6,840.00	7,102.95	7,101.07	75.21	1.85	94.12	2,636.57	-1,719.12	4,505.49	4,444.31	61.18	73.646		
8,500.00	6,840.00	7,108.42	7,106.53	77.34	1.85	94.19	2,636.28	-1,719.42	4,538.83	4,476.35	62.48	72.646		
8,600.00	6,840.00	7,113.90	7,111.98	79.51	1.85	94.26	2,635.99	-1,719.72	4,574.11	4,510.35	63.76	71.735		
8,700.00	6,840.00	7,119.37	7,117.44	81.72	1.85	94.34	2,635.70	-1,720.02	4,611.28	4,546.25	65.03	70.911		
8,800.00	6,840.00	7,124.85	7,122.90	83.95	1.86	94.41	2,635.41	-1,720.32	4,650.30	4,584.03	66.27	70.170		
8,900.00	6,840.00	7,130.32	7,128.36	86.22	1.86	94.48	2,635.12	-1,720.62	4,691.12	4,623.63	67.49	69.508		
9,000.00	6,840.00	7,135.79	7,133.82	88.51	1.86	94.56	2,634.84	-1,720.92	4,733.69	4,665.01	68.68	68.922		
9,100.00	6,840.00	7,141.27	7,139.28	90.83	1.86	94.63	2,634.55	-1,721.22	4,777.97	4,708.12	69.85	68.406		
9,200.00	6,840.00	7,146.74	7,144.73	93.16	1.87	94.70	2,634.26	-1,721.52	4,823.91	4,752.93	70.98	67.958		
9,300.00	6,840.00	7,152.22	7,150.19	95.52	1.87	94.78	2,633.97	-1,721.83	4,871.47	4,799.38	72.09	67.575		
9,400.00	6,840.00	7,157.69	7,155.65	97.90	1.87	94.85	2,633.68	-1,722.13	4,920.59	4,847.42	73.17	67.252		
9,500.00	6,840.00	7,163.16	7,161.11	100.30	1.87	94.92	2,633.39	-1,722.43	4,971.23	4,897.02	74.21	66.986		
9,600.00	6,840.00	7,168.64	7,166.57	102.72	1.88	95.00	2,633.10	-1,722.73	5,023.35	4,948.12	75.23	66.775		
9,700.00	6,840.00	7,174.11	7,172.03	105.15	1.88	95.07	2,632.81	-1,723.03	5,076.89	5,000.68	76.21	66.615		
9,800.00	6,840.00	7,179.59	7,177.48	107.59	1.88	95.14	2,632.53	-1,723.33	5,131.82	5,054.66	77.17	66.503		
9,900.00	6,840.00	7,185.06	7,182.94	110.05	1.88	95.22	2,632.24	-1,723.63	5,188.09	5,110.00	78.09	66.438		
10,000.00	6,840.00	7,190.54	7,188.40	112.52	1.89	95.29	2,631.95	-1,723.93	5,245.66	5,166.68	78.98	66.415 SF		
10,100.00	6,840.00	7,196.01	7,193.86	115.00	1.89	95.37	2,631.66	-1,724.23	5,304.48	5,224.64	79.85	66.433		
10,200.00	6,840.00	7,201.48	7,199.32	117.50	1.89	95.44	2,631.37	-1,724.54	5,364.52	5,283.84	80.68	66.490		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT SHELTON G 25-02 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	7,206.96	7,204.78	120.00	1.89	95.51	2,631.08	-1,724.84	5,425.73	5,344.24	81.49	66.584		
10,400.00	6,840.00	7,212.43	7,210.23	122.51	1.90	95.59	2,630.79	-1,725.14	5,488.07	5,405.81	82.26	66.712		
10,500.00	6,840.00	7,217.91	7,215.69	125.04	1.90	95.66	2,630.51	-1,725.44	5,551.51	5,468.50	83.02	66.873		
10,600.00	6,840.00	7,223.38	7,221.15	127.57	1.90	95.73	2,630.22	-1,725.74	5,616.01	5,532.27	83.74	67.065		
10,700.00	6,840.00	7,228.86	7,226.61	130.11	1.90	95.81	2,629.93	-1,726.04	5,681.53	5,597.09	84.44	67.287		
10,800.00	6,840.00	7,234.33	7,232.07	132.66	1.91	95.88	2,629.64	-1,726.34	5,748.04	5,662.93	85.11	67.536		
10,900.00	6,840.00	7,239.80	7,237.53	135.21	1.91	95.95	2,629.35	-1,726.64	5,815.50	5,729.74	85.76	67.812		
11,000.00	6,840.00	7,245.28	7,242.98	137.77	1.91	96.02	2,629.06	-1,726.94	5,883.88	5,797.50	86.38	68.113		
11,100.00	6,840.00	7,250.75	7,248.44	140.34	1.91	96.10	2,628.77	-1,727.24	5,953.16	5,866.17	86.99	68.438		
11,200.00	6,840.00	7,256.23	7,253.90	142.91	1.92	96.17	2,628.48	-1,727.55	6,023.29	5,935.72	87.57	68.785		
11,300.00	6,840.00	7,261.70	7,259.36	145.49	1.92	96.24	2,628.20	-1,727.85	6,094.25	6,006.12	88.13	69.154		
11,400.00	6,840.00	7,267.18	7,264.82	148.07	1.92	96.32	2,627.91	-1,728.15	6,166.01	6,077.35	88.66	69.543		
11,500.00	6,840.00	7,272.65	7,270.28	150.66	1.92	96.39	2,627.62	-1,728.45	6,238.54	6,149.36	89.18	69.952		
11,600.00	6,840.00	7,278.12	7,275.74	153.25	1.93	96.46	2,627.33	-1,728.75	6,311.82	6,222.14	89.68	70.379		
11,700.00	6,840.00	7,283.60	7,281.19	155.85	1.93	96.54	2,627.04	-1,729.05	6,385.82	6,295.66	90.17	70.824		
11,800.00	6,840.00	7,289.07	7,286.65	158.45	1.93	96.61	2,626.75	-1,729.35	6,460.52	6,369.89	90.63	71.285		
11,900.00	6,840.00	7,267.00	7,264.64	161.06	1.92	96.32	2,627.92	-1,728.14	6,535.94	6,444.91	91.04	71.796		
12,000.00	6,840.00	7,267.00	7,264.64	163.67	1.92	96.32	2,627.92	-1,728.14	6,611.99	6,520.53	91.46	72.295		
12,100.00	6,840.00	7,267.00	7,264.64	166.28	1.92	96.32	2,627.92	-1,728.14	6,688.66	6,596.79	91.87	72.809		
12,200.00	6,840.00	7,267.00	7,264.64	168.90	1.92	96.32	2,627.92	-1,728.14	6,765.94	6,673.68	92.26	73.337		
12,300.00	6,840.00	7,267.00	7,264.64	171.52	1.92	96.32	2,627.92	-1,728.14	6,843.81	6,751.17	92.64	73.878		
12,400.00	6,840.00	7,267.00	7,264.64	174.15	1.92	96.32	2,627.92	-1,728.14	6,922.24	6,829.24	93.00	74.432		
12,500.00	6,840.00	7,267.00	7,264.64	176.77	1.92	96.32	2,627.92	-1,728.14	7,001.23	6,907.88	93.35	74.998		
12,600.00	6,840.00	7,267.00	7,264.64	179.40	1.92	96.32	2,627.92	-1,728.14	7,080.75	6,987.06	93.69	75.575		
12,700.00	6,840.00	7,267.00	7,264.64	182.04	1.92	96.32	2,627.92	-1,728.14	7,160.78	7,066.76	94.02	76.164		
12,800.00	6,840.00	7,267.00	7,264.64	184.67	1.92	96.32	2,627.92	-1,728.14	7,241.31	7,146.98	94.33	76.763		
12,900.00	6,840.00	7,267.00	7,264.64	187.31	1.92	96.32	2,627.92	-1,728.14	7,322.32	7,227.68	94.64	77.373		
13,000.00	6,840.00	7,267.00	7,264.64	189.95	1.92	96.32	2,627.92	-1,728.14	7,403.79	7,308.86	94.93	77.992		
13,100.00	6,840.00	7,267.00	7,264.64	192.59	1.92	96.32	2,627.92	-1,728.14	7,485.71	7,390.50	95.21	78.621		
13,200.00	6,840.00	7,267.00	7,264.64	195.24	1.92	96.32	2,627.92	-1,728.14	7,568.07	7,472.58	95.49	79.258		
13,300.00	6,840.00	7,267.00	7,264.64	197.88	1.92	96.32	2,627.92	-1,728.14	7,650.85	7,555.10	95.75	79.904		
13,400.00	6,840.00	7,267.00	7,264.64	200.53	1.92	96.32	2,627.92	-1,728.14	7,734.03	7,638.03	96.01	80.558		
13,500.00	6,840.00	7,267.00	7,264.64	203.18	1.92	96.32	2,627.92	-1,728.14	7,817.61	7,721.36	96.25	81.221		
13,600.00	6,840.00	7,267.00	7,264.64	205.83	1.92	96.32	2,627.92	-1,728.14	7,901.57	7,805.08	96.49	81.890		
13,700.00	6,840.00	7,267.00	7,264.64	208.49	1.92	96.32	2,627.92	-1,728.14	7,985.90	7,889.18	96.72	82.567		
13,800.00	6,840.00	7,267.00	7,264.64	211.14	1.92	96.32	2,627.92	-1,728.14	8,070.58	7,973.64	96.94	83.251		
13,900.00	6,840.00	7,267.00	7,264.64	213.80	1.92	96.32	2,627.92	-1,728.14	8,155.62	8,058.46	97.16	83.942		
14,000.00	6,840.00	7,267.00	7,264.64	216.46	1.92	96.32	2,627.92	-1,728.14	8,240.99	8,143.62	97.37	84.639		
14,100.00	6,840.00	7,267.00	7,264.64	219.12	1.92	96.32	2,627.92	-1,728.14	8,326.68	8,229.12	97.57	85.342		
14,200.00	6,840.00	7,267.00	7,264.64	221.78	1.92	96.32	2,627.92	-1,728.14	8,412.70	8,314.93	97.76	86.052		
14,300.00	6,840.00	7,267.00	7,264.64	224.45	1.92	96.32	2,627.92	-1,728.14	8,499.01	8,401.06	97.95	86.767		
14,400.00	6,840.00	7,267.00	7,264.64	227.11	1.92	96.32	2,627.92	-1,728.14	8,585.63	8,487.49	98.14	87.487		
14,500.00	6,840.00	7,267.00	7,264.64	229.78	1.92	96.32	2,627.92	-1,728.14	8,672.53	8,574.22	98.31	88.213		
14,600.00	6,840.00	7,267.00	7,264.64	232.45	1.92	96.32	2,627.92	-1,728.14	8,759.71	8,661.23	98.49	88.944		
14,700.00	6,840.00	7,267.00	7,264.64	235.12	1.92	96.32	2,627.92	-1,728.14	8,847.17	8,748.51	98.65	89.679		
14,800.00	6,840.00	7,267.00	7,264.64	237.79	1.92	96.32	2,627.92	-1,728.14	8,934.88	8,836.07	98.82	90.420		
14,900.00	6,840.00	7,267.00	7,264.64	240.46	1.92	96.32	2,627.92	-1,728.14	9,022.85	8,923.88	98.97	91.165		
15,000.00	6,840.00	7,267.00	7,264.64	243.13	1.92	96.32	2,627.92	-1,728.14	9,111.07	9,011.95	99.13	91.914		
15,100.00	6,840.00	7,267.00	7,264.64	245.80	1.92	96.32	2,627.92	-1,728.14	9,199.53	9,100.26	99.27	92.668		
15,200.00	6,840.00	7,267.00	7,264.64	248.48	1.92	96.32	2,627.92	-1,728.14	9,288.23	9,188.81	99.42	93.425		
15,300.00	6,840.00	7,267.00	7,264.64	251.15	1.92	96.32	2,627.92	-1,728.14	9,377.15	9,277.59	99.56	94.186		
15,400.00	6,840.00	7,267.00	7,264.64	253.83	1.92	96.32	2,627.92	-1,728.14	9,466.30	9,366.60	99.70	94.952		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - EXIST VERT SHELTON G 25-02 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,500.00	6,840.00	7,267.00	7,264.64	256.51	1.92	96.32	2,627.92	-1,728.14	9,555.66	9,455.83	99.83	95.720	
15,600.00	6,840.00	7,267.00	7,264.64	259.19	1.92	96.32	2,627.92	-1,728.14	9,645.22	9,545.26	99.96	96.493	
15,700.00	6,840.00	7,267.00	7,264.64	261.87	1.92	96.32	2,627.92	-1,728.14	9,734.99	9,634.91	100.08	97.268	
15,800.00	6,840.00	7,267.00	7,264.64	264.55	1.92	96.32	2,627.92	-1,728.14	9,824.96	9,724.76	100.21	98.047	
15,900.00	6,840.00	7,267.00	7,264.64	267.23	1.92	96.32	2,627.92	-1,728.14	9,915.12	9,814.80	100.33	98.829	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-01 - 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	0.05	314.75	0.28	314.75					
100.00	100.00	101.00	101.00	0.13	0.14	0.05	314.75	0.28	314.75	314.48	0.27	1,164.902	CC, ES	
200.00	200.00	192.84	192.82	0.49	0.47	-0.11	315.95	-0.63	316.06	315.09	0.97	327.476		
300.00	300.00	284.57	284.44	0.85	0.81	-0.59	319.49	-3.31	319.94	318.28	1.66	192.741		
400.00	399.98	375.90	375.48	1.20	1.14	126.79	325.33	-7.74	327.47	325.12	2.35	139.489		
500.00	499.84	466.56	465.56	1.55	1.50	126.23	333.42	-13.87	339.66	336.62	3.04	111.714		
600.00	599.45	556.25	554.33	1.91	1.87	125.76	343.65	-21.62	356.44	352.69	3.75	95.130		
700.00	698.70	644.71	641.44	2.29	2.25	125.39	355.90	-30.91	377.71	373.25	4.47	84.548		
800.00	797.47	731.69	726.58	2.70	2.66	125.09	370.03	-41.62	403.38	398.18	5.20	77.513		
900.00	895.62	816.95	809.49	3.14	3.08	124.83	385.88	-53.63	433.34	427.38	5.96	72.719		
1,000.00	993.06	900.28	889.92	3.62	3.52	124.60	403.26	-66.81	467.46	460.72	6.73	69.428		
1,100.00	1,089.64	981.52	967.67	4.14	3.99	124.38	421.99	-81.01	505.61	498.08	7.53	67.141		
1,200.00	1,185.27	1,060.49	1,042.59	4.70	4.47	124.13	441.87	-96.08	547.67	539.32	8.36	65.549		
1,300.00	1,279.82	1,137.07	1,114.56	5.31	4.97	123.86	462.72	-111.88	593.48	584.28	9.20	64.503		
1,400.00	1,373.17	1,211.15	1,183.49	5.98	5.47	123.53	484.34	-128.27	642.90	632.83	10.07	63.860		
1,500.00	1,465.22	1,282.65	1,249.34	6.70	5.99	123.25	506.54	-145.10	695.75	684.79	10.96	63.478		
1,600.00	1,556.72	1,352.17	1,312.67	7.45	6.52	123.81	529.38	-162.42	750.94	739.09	11.85	63.345		
1,700.00	1,648.21	1,420.12	1,373.89	8.21	7.07	124.19	552.89	-180.23	807.71	794.96	12.75	63.359		
1,800.00	1,739.71	1,486.48	1,432.98	8.99	7.63	124.45	576.95	-198.47	865.98	852.34	13.64	63.482		
1,900.00	1,831.20	1,551.23	1,489.96	9.77	8.20	124.60	601.48	-217.06	925.66	911.13	14.53	63.701		
2,000.00	1,922.69	1,625.38	1,554.56	10.56	8.87	124.69	630.47	-239.04	986.41	970.86	15.55	63.437		
2,100.00	2,014.19	1,704.74	1,623.67	11.35	9.61	124.77	661.57	-262.61	1,047.24	1,030.59	16.64	62.917		
2,200.00	2,105.68	1,784.11	1,692.78	12.14	10.35	124.84	692.66	-286.18	1,108.07	1,090.32	17.75	62.428		
2,300.00	2,197.18	1,863.47	1,761.89	12.94	11.10	124.91	723.76	-309.76	1,168.89	1,150.03	18.86	61.971		
2,400.00	2,288.67	1,942.84	1,831.00	13.74	11.85	124.97	754.85	-333.33	1,229.72	1,209.74	19.98	61.546		
2,500.00	2,380.17	2,022.20	1,900.11	14.54	12.60	125.02	785.95	-356.90	1,290.55	1,269.45	21.10	61.151		
2,600.00	2,471.66	2,101.57	1,969.22	15.35	13.36	125.07	817.04	-380.47	1,351.38	1,329.15	22.23	60.783		
2,700.00	2,563.16	2,180.93	2,038.33	16.15	14.11	125.11	848.14	-404.04	1,412.22	1,388.85	23.37	60.440		
2,800.00	2,654.65	2,260.30	2,107.44	16.96	14.87	125.15	879.24	-427.61	1,473.05	1,448.55	24.50	60.121		
2,900.00	2,746.15	2,339.66	2,176.55	17.76	15.64	125.19	910.33	-451.18	1,533.88	1,508.24	25.64	59.823		
3,000.00	2,837.64	2,419.03	2,245.66	18.57	16.40	125.22	941.43	-474.75	1,594.71	1,567.93	26.78	59.546		
3,100.00	2,929.14	2,498.39	2,314.77	19.38	17.16	125.26	972.52	-498.33	1,655.55	1,627.62	27.92	59.285		
3,200.00	3,020.63	2,577.76	2,383.89	20.19	17.93	125.29	1,003.62	-521.90	1,716.38	1,687.31	29.07	59.041		
3,300.00	3,112.13	2,657.12	2,453.00	21.00	18.69	125.31	1,034.71	-545.47	1,777.21	1,746.99	30.22	58.812		
3,400.00	3,203.62	2,736.49	2,522.11	21.81	19.46	125.34	1,065.81	-569.04	1,838.05	1,806.68	31.37	58.597		
3,500.00	3,295.12	2,815.85	2,591.22	22.63	20.23	125.36	1,096.91	-592.61	1,898.88	1,866.36	32.52	58.394		
3,600.00	3,386.61	2,904.78	2,660.33	23.44	21.09	125.39	1,128.00	-616.18	1,959.71	1,925.97	33.74	58.081		
3,700.00	3,478.10	2,974.59	2,729.44	24.25	21.76	125.41	1,159.10	-639.75	2,020.55	1,985.72	34.82	58.022		
3,800.00	3,569.60	3,053.95	2,798.55	25.06	22.53	125.43	1,190.19	-663.33	2,081.38	2,045.40	35.98	57.851		
3,900.00	3,661.09	3,133.32	2,867.66	25.88	23.30	125.45	1,221.29	-686.90	2,142.22	2,105.08	37.13	57.690		
4,000.00	3,752.59	3,212.68	2,936.77	26.69	24.07	125.46	1,252.38	-710.47	2,203.05	2,164.76	38.29	57.536		
4,100.00	3,844.08	3,307.95	3,005.88	27.50	24.99	125.48	1,283.48	-734.04	2,263.89	2,224.32	39.57	57.219		
4,200.00	3,935.58	3,371.41	3,074.99	28.32	25.61	125.50	1,314.58	-757.61	2,324.72	2,284.12	40.61	57.251		
4,300.00	4,027.07	3,450.78	3,144.10	29.13	26.38	125.51	1,345.67	-781.18	2,385.56	2,343.79	41.76	57.119		
4,400.00	4,118.57	3,530.14	3,213.21	29.95	27.15	125.53	1,376.77	-804.75	2,446.39	2,403.47	42.92	56.993		
4,500.00	4,210.06	3,609.51	3,282.33	30.76	27.92	125.54	1,407.86	-828.32	2,507.23	2,463.14	44.08	56.873		
4,600.00	4,301.56	3,688.87	3,351.44	31.58	28.70	125.55	1,438.96	-851.90	2,568.06	2,522.82	45.25	56.758		
4,700.00	4,393.05	3,768.24	3,420.55	32.39	29.47	125.57	1,470.05	-875.47	2,628.90	2,582.49	46.41	56.648		
4,800.00	4,484.55	3,847.60	3,489.66	33.21	30.24	125.58	1,501.15	-899.04	2,689.73	2,642.16	47.57	56.542		
4,900.00	4,576.04	3,926.97	3,558.77	34.02	31.01	125.59	1,532.25	-922.61	2,750.57	2,701.84	48.73	56.441		
5,000.00	4,667.54	4,006.33	3,627.88	34.84	31.78	125.60	1,563.34	-946.18	2,811.40	2,761.51	49.90	56.344		
5,100.00	4,759.03	4,085.70	3,696.99	35.65	32.56	125.61	1,594.44	-969.75	2,872.24	2,821.18	51.06	56.251		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-01 - 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	4,850.53	4,165.06	3,766.10	36.47	33.33	125.62	1,625.53	-993.32	2,933.08	2,880.85	52.23	56.162		
5,300.00	4,942.02	4,244.43	3,835.21	37.28	34.10	125.63	1,656.63	-1,016.89	2,993.91	2,940.52	53.39	56.076		
5,400.00	5,033.51	4,323.79	3,904.32	38.10	34.88	125.64	1,687.72	-1,040.47	3,054.75	3,000.19	54.56	55.993		
5,500.00	5,125.01	4,403.16	3,973.43	38.92	35.65	125.65	1,718.82	-1,064.04	3,115.58	3,059.86	55.72	55.913		
5,600.00	5,216.50	4,482.52	4,042.54	39.73	36.42	125.66	1,749.91	-1,087.61	3,176.42	3,119.53	56.89	55.836		
5,700.00	5,308.00	4,561.89	4,111.65	40.55	37.19	125.67	1,781.01	-1,111.18	3,237.26	3,179.20	58.06	55.761		
5,800.00	5,399.49	4,641.26	4,180.77	41.36	37.97	125.67	1,812.11	-1,134.75	3,298.09	3,238.87	59.22	55.689		
5,900.00	5,490.99	4,720.62	4,249.88	42.18	38.74	125.68	1,843.20	-1,158.32	3,358.93	3,298.54	60.39	55.620		
6,000.00	5,582.48	4,800.01	4,318.99	43.00	39.52	125.69	1,874.30	-1,181.89	3,419.76	3,358.20	61.56	55.552		
6,100.00	5,673.98	4,879.35	4,388.10	43.81	40.29	125.70	1,905.39	-1,205.47	3,480.60	3,417.87	62.73	55.487		
6,200.00	5,765.47	4,958.72	4,457.21	44.63	41.06	125.70	1,936.49	-1,229.04	3,541.44	3,477.54	63.90	55.424		
6,300.00	5,856.97	5,038.08	4,526.32	45.45	41.84	125.71	1,967.58	-1,252.61	3,602.27	3,537.21	65.07	55.363		
6,400.00	5,948.46	5,117.45	4,595.43	46.26	42.61	125.72	1,998.68	-1,276.18	3,663.11	3,596.87	66.24	55.304		
6,500.00	6,039.96	5,196.81	4,664.54	47.08	43.38	125.72	2,029.78	-1,299.75	3,723.95	3,656.54	67.41	55.246		
6,600.00	6,131.45	5,276.18	4,733.65	47.90	44.16	125.73	2,060.87	-1,323.32	3,784.78	3,716.20	68.58	55.190		
6,700.00	6,222.95	5,355.54	4,802.76	48.71	44.93	125.73	2,091.97	-1,346.89	3,845.62	3,775.87	69.75	55.136		
6,800.00	6,314.44	5,434.91	4,871.87	49.53	45.71	125.74	2,123.06	-1,370.46	3,906.45	3,835.53	70.92	55.083		
6,900.00	6,405.93	5,514.27	4,940.98	50.35	46.48	125.74	2,154.16	-1,394.04	3,967.29	3,895.20	72.09	55.031		
7,000.00	6,497.01	5,593.68	5,010.13	51.18	47.25	117.84	2,185.27	-1,417.62	4,028.02	3,954.74	73.28	54.966		
7,100.00	6,582.62	5,672.77	5,079.01	52.20	48.03	102.26	2,216.26	-1,441.11	4,087.01	4,012.34	74.67	54.732		
7,200.00	6,659.25	5,749.41	5,145.74	53.42	48.77	91.41	2,246.29	-1,463.87	4,142.51	4,066.22	76.29	54.301		
7,300.00	6,724.59	5,821.27	5,208.31	54.84	49.48	83.58	2,274.44	-1,485.21	4,193.19	4,115.10	78.09	53.697		
7,400.00	6,776.64	5,886.15	5,264.81	56.40	50.11	77.90	2,299.86	-1,504.48	4,238.01	4,157.97	80.03	52.953		
7,500.00	6,813.82	5,942.10	5,313.53	58.08	50.65	73.85	2,321.78	-1,521.10	4,276.16	4,194.10	82.07	52.107		
7,600.00	6,835.01	5,987.41	5,352.99	59.82	51.10	71.09	2,339.53	-1,534.56	4,307.06	4,222.94	84.12	51.202		
7,700.00	6,840.00	6,021.04	5,382.27	61.57	51.42	69.82	2,352.71	-1,544.54	4,330.55	4,244.43	86.12	50.283		
7,800.00	6,840.00	6,050.93	5,408.30	63.35	51.72	70.21	2,364.42	-1,553.42	4,353.11	4,264.98	88.13	49.395		
7,900.00	6,840.00	6,080.82	5,434.33	65.20	52.01	70.59	2,376.13	-1,562.30	4,377.63	4,287.47	90.16	48.554		
8,000.00	6,840.00	6,110.71	5,460.36	67.10	52.30	70.98	2,387.85	-1,571.18	4,404.08	4,311.87	92.21	47.761		
8,100.00	6,840.00	6,140.60	5,486.38	69.05	52.59	71.36	2,399.56	-1,580.05	4,432.43	4,338.15	94.28	47.016		
8,200.00	6,840.00	6,170.49	5,512.41	71.06	52.88	71.74	2,411.27	-1,588.93	4,462.64	4,366.29	96.34	46.320		
8,300.00	6,840.00	6,200.38	5,538.44	73.11	53.17	72.13	2,422.98	-1,597.81	4,494.67	4,396.26	98.41	45.671		
8,400.00	6,840.00	6,230.27	5,564.47	75.21	53.47	72.51	2,434.69	-1,606.68	4,528.49	4,428.01	100.48	45.069		
8,500.00	6,840.00	6,260.16	5,590.50	77.34	53.76	72.89	2,446.40	-1,615.56	4,564.05	4,461.52	102.54	44.512		
8,600.00	6,840.00	6,309.95	5,616.52	79.51	54.24	73.27	2,458.11	-1,624.44	4,601.32	4,496.57	104.75	43.926		
8,700.00	6,840.00	9,015.65	6,840.00	81.72	92.09	89.99	3,014.64	-3,478.19	4,621.63	4,465.11	156.52	29.527		
8,800.00	6,840.00	9,115.65	6,840.00	83.95	94.11	89.99	3,015.06	-3,578.19	4,621.56	4,460.25	161.31	28.649		
8,900.00	6,840.00	9,215.65	6,840.00	86.22	96.16	89.99	3,015.48	-3,678.19	4,621.50	4,455.35	166.15	27.816		
9,000.00	6,840.00	9,315.65	6,840.00	88.51	98.24	89.99	3,015.90	-3,778.19	4,621.43	4,450.42	171.01	27.024		
9,100.00	6,840.00	9,415.65	6,840.00	90.83	100.35	89.99	3,016.32	-3,878.19	4,621.37	4,445.45	175.91	26.271		
9,200.00	6,840.00	9,515.65	6,840.00	93.16	102.49	89.99	3,016.74	-3,978.19	4,621.30	4,440.45	180.85	25.554		
9,300.00	6,840.00	9,615.65	6,840.00	95.52	104.67	89.99	3,017.16	-4,078.19	4,621.23	4,435.43	185.81	24.871		
9,400.00	6,840.00	9,715.65	6,840.00	97.90	106.86	89.99	3,017.58	-4,178.19	4,621.17	4,430.38	190.79	24.221		
9,500.00	6,840.00	9,815.65	6,840.00	100.30	109.08	89.99	3,018.00	-4,278.19	4,621.10	4,425.30	195.80	23.601		
9,600.00	6,840.00	9,915.65	6,840.00	102.72	111.33	89.99	3,018.43	-4,378.18	4,621.04	4,420.20	200.84	23.009		
9,700.00	6,840.00	10,015.65	6,840.00	105.15	113.60	89.99	3,018.85	-4,478.18	4,620.97	4,415.08	205.89	22.444		
9,800.00	6,840.00	10,115.65	6,840.00	107.59	115.88	89.99	3,019.27	-4,578.18	4,620.91	4,409.94	210.96	21.904		
9,900.00	6,840.00	10,215.65	6,840.00	110.05	118.19	89.99	3,019.69	-4,678.18	4,620.84	4,404.79	216.05	21.387		
10,000.00	6,840.00	10,315.65	6,840.00	112.52	120.51	89.99	3,020.11	-4,778.18	4,620.78	4,399.61	221.16	20.893		
10,100.00	6,840.00	10,415.65	6,840.00	115.00	122.86	89.99	3,020.53	-4,878.18	4,620.71	4,394.43	226.28	20.420		
10,200.00	6,840.00	10,515.65	6,840.00	117.50	125.21	89.99	3,020.95	-4,978.18	4,620.65	4,389.22	231.42	19.966		
10,300.00	6,840.00	10,615.65	6,840.00	120.00	127.59	89.99	3,021.37	-5,078.18	4,620.58	4,384.01	236.57	19.531		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-01 - 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		
10,400.00	6,840.00	10,715.65	6,840.00	122.51	129.98	89.99	3,021.79	-5,178.18	4,620.51	4,378.78	241.74	19.114		
10,500.00	6,840.00	10,815.65	6,840.00	125.04	132.38	89.99	3,022.21	-5,278.18	4,620.45	4,373.54	246.91	18.713		
10,600.00	6,840.00	10,915.65	6,840.00	127.57	134.79	89.99	3,022.63	-5,378.18	4,620.38	4,368.29	252.10	18.328		
10,700.00	6,840.00	11,015.65	6,840.00	130.11	137.22	89.99	3,023.05	-5,478.17	4,620.32	4,363.02	257.29	17.957		
10,800.00	6,840.00	11,115.65	6,840.00	132.66	139.66	89.99	3,023.47	-5,578.17	4,620.25	4,357.75	262.50	17.601		
10,900.00	6,840.00	11,215.65	6,840.00	135.21	142.11	89.99	3,023.89	-5,678.17	4,620.19	4,352.47	267.72	17.258		
11,000.00	6,840.00	11,315.65	6,840.00	137.77	144.57	89.99	3,024.31	-5,778.17	4,620.12	4,347.18	272.94	16.927		
11,100.00	6,840.00	11,415.65	6,840.00	140.34	147.03	89.99	3,024.73	-5,878.17	4,620.06	4,341.88	278.17	16.608		
11,200.00	6,840.00	11,515.65	6,840.00	142.91	149.51	89.99	3,025.15	-5,978.17	4,619.99	4,336.58	283.42	16.301		
11,300.00	6,840.00	11,615.65	6,840.00	145.49	152.00	89.99	3,025.57	-6,078.17	4,619.93	4,331.26	288.66	16.005		
11,400.00	6,840.00	11,715.65	6,840.00	148.07	154.50	89.99	3,025.99	-6,178.17	4,619.86	4,325.94	293.92	15.718		
11,500.00	6,840.00	11,815.65	6,840.00	150.66	157.00	89.99	3,026.41	-6,278.17	4,619.79	4,320.61	299.18	15.442		
11,600.00	6,840.00	11,915.65	6,840.00	153.25	159.51	89.99	3,026.83	-6,378.17	4,619.73	4,315.28	304.45	15.174		
11,700.00	6,840.00	12,015.65	6,840.00	155.85	162.03	89.99	3,027.25	-6,478.17	4,619.66	4,309.94	309.72	14.916		
11,800.00	6,840.00	12,115.65	6,840.00	158.45	164.55	89.99	3,027.67	-6,578.16	4,619.60	4,304.60	315.00	14.665		
11,900.00	6,840.00	12,215.65	6,840.00	161.06	167.09	89.99	3,028.09	-6,678.16	4,619.53	4,299.25	320.29	14.423		
12,000.00	6,840.00	12,315.65	6,840.00	163.67	169.62	89.99	3,028.52	-6,778.16	4,619.47	4,293.89	325.58	14.189		
12,100.00	6,840.00	12,415.65	6,840.00	166.28	172.17	89.99	3,028.94	-6,878.16	4,619.40	4,288.53	330.87	13.961		
12,200.00	6,840.00	12,515.65	6,840.00	168.90	174.72	89.99	3,029.36	-6,978.16	4,619.34	4,283.17	336.17	13.741		
12,300.00	6,840.00	12,615.65	6,840.00	171.52	177.27	89.99	3,029.78	-7,078.16	4,619.27	4,277.80	341.47	13.527		
12,400.00	6,840.00	12,715.65	6,840.00	174.15	179.83	89.99	3,030.20	-7,178.16	4,619.20	4,272.42	346.78	13.320		
12,500.00	6,840.00	12,815.65	6,840.00	176.77	182.40	89.99	3,030.62	-7,278.16	4,619.14	4,267.05	352.09	13.119		
12,600.00	6,840.00	12,915.65	6,840.00	179.40	184.97	89.99	3,031.04	-7,378.16	4,619.07	4,261.66	357.41	12.924		
12,700.00	6,840.00	13,015.65	6,840.00	182.04	187.54	89.99	3,031.46	-7,478.16	4,619.01	4,256.28	362.73	12.734		
12,800.00	6,840.00	13,115.65	6,840.00	184.67	190.12	89.99	3,031.88	-7,578.16	4,618.94	4,250.89	368.05	12.550		
12,900.00	6,840.00	13,215.65	6,840.00	187.31	192.70	89.99	3,032.30	-7,678.15	4,618.88	4,245.50	373.38	12.371		
13,000.00	6,840.00	13,315.65	6,840.00	189.95	195.29	89.99	3,032.72	-7,778.15	4,618.81	4,240.10	378.71	12.196		
13,100.00	6,840.00	13,415.65	6,840.00	192.59	197.88	89.99	3,033.14	-7,878.15	4,618.75	4,234.71	384.04	12.027		
13,200.00	6,840.00	13,515.65	6,840.00	195.24	200.47	89.99	3,033.56	-7,978.15	4,618.68	4,229.30	389.38	11.862		
13,300.00	6,840.00	13,615.65	6,840.00	197.88	203.07	89.99	3,033.98	-8,078.15	4,618.62	4,223.90	394.71	11.701		
13,400.00	6,840.00	13,715.65	6,840.00	200.53	205.67	89.99	3,034.40	-8,178.15	4,618.55	4,218.49	400.06	11.545		
13,500.00	6,840.00	13,815.65	6,840.00	203.18	208.28	89.99	3,034.82	-8,278.15	4,618.48	4,213.08	405.40	11.392		
13,600.00	6,840.00	13,915.65	6,840.00	205.83	210.88	89.99	3,035.24	-8,378.15	4,618.42	4,207.67	410.75	11.244		
13,700.00	6,840.00	14,015.65	6,840.00	208.49	213.49	89.99	3,035.66	-8,478.15	4,618.35	4,202.26	416.09	11.099		
13,800.00	6,840.00	14,115.65	6,840.00	211.14	216.11	89.99	3,036.08	-8,578.15	4,618.29	4,196.84	421.45	10.958		
13,900.00	6,840.00	14,215.65	6,840.00	213.80	218.72	89.99	3,036.50	-8,678.15	4,618.22	4,191.42	426.80	10.821		
14,000.00	6,840.00	14,315.65	6,840.00	216.46	221.34	89.99	3,036.92	-8,778.14	4,618.16	4,186.00	432.15	10.686		
14,100.00	6,840.00	14,415.65	6,840.00	219.12	223.96	89.99	3,037.34	-8,878.14	4,618.09	4,180.58	437.51	10.555		
14,200.00	6,840.00	14,515.65	6,840.00	221.78	226.58	89.99	3,037.76	-8,978.14	4,618.03	4,175.15	442.87	10.427		
14,300.00	6,840.00	14,615.65	6,840.00	224.45	229.21	89.99	3,038.18	-9,078.14	4,617.96	4,169.73	448.23	10.303		
14,400.00	6,840.00	14,715.65	6,840.00	227.11	231.84	89.99	3,038.61	-9,178.14	4,617.90	4,164.30	453.60	10.181		
14,500.00	6,840.00	14,815.65	6,840.00	229.78	234.47	89.99	3,039.03	-9,278.14	4,617.83	4,158.87	458.96	10.061		
14,600.00	6,840.00	14,915.65	6,840.00	232.45	237.10	89.99	3,039.45	-9,378.14	4,617.76	4,153.44	464.33	9.945		
14,700.00	6,840.00	15,015.65	6,840.00	235.12	239.73	89.99	3,039.87	-9,478.14	4,617.70	4,148.00	469.70	9.831		
14,800.00	6,840.00	15,115.65	6,840.00	237.79	242.37	89.99	3,040.29	-9,578.14	4,617.63	4,142.57	475.07	9.720		
14,900.00	6,840.00	15,215.65	6,840.00	240.46	245.01	89.99	3,040.71	-9,678.14	4,617.57	4,137.13	480.44	9.611		
15,000.00	6,840.00	15,315.65	6,840.00	243.13	247.65	89.99	3,041.13	-9,778.14	4,617.50	4,131.69	485.81	9.505		
15,100.00	6,840.00	15,415.65	6,840.00	245.80	250.29	89.99	3,041.55	-9,878.13	4,617.44	4,126.25	491.19	9.401		
15,200.00	6,840.00	15,515.65	6,840.00	248.48	252.93	89.99	3,041.97	-9,978.13	4,617.37	4,120.81	496.56	9.299		
15,300.00	6,840.00	15,615.65	6,840.00	251.15	255.58	89.99	3,042.39	-10,078.13	4,617.31	4,115.37	501.94	9.199		
15,400.00	6,840.00	15,715.65	6,840.00	253.83	258.23	89.99	3,042.81	-10,178.13	4,617.24	4,109.92	507.32	9.101		
15,500.00	6,840.00	15,815.65	6,840.00	256.51	260.88	89.99	3,043.23	-10,278.13	4,617.17	4,104.48	512.70	9.006		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-01 - 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		
15,600.00	6,840.00	15,915.65	6,840.00	259.19	263.53	89.99	3,043.65	-10,378.13	4,617.11	4,099.03	518.08	8.912		
15,700.00	6,840.00	16,015.65	6,840.00	261.87	266.18	89.99	3,044.07	-10,478.13	4,617.04	4,093.58	523.46	8.820		
15,800.00	6,840.00	16,115.65	6,840.00	264.55	268.83	89.99	3,044.49	-10,578.13	4,616.98	4,088.13	528.85	8.730		
15,900.00	6,840.00	16,215.65	6,840.00	267.23	271.48	89.99	3,044.91	-10,678.13	4,616.91	4,082.68	534.23	8.642		
16,000.00	6,840.00	16,315.65	6,840.00	269.91	274.14	89.99	3,045.33	-10,778.13	4,616.85	4,077.23	539.62	8.556		
16,100.00	6,840.00	16,415.65	6,840.00	272.59	276.80	89.99	3,045.75	-10,878.13	4,616.78	4,071.78	545.00	8.471		
16,200.00	6,840.00	16,515.65	6,840.00	275.28	279.46	89.99	3,046.17	-10,978.13	4,616.72	4,066.32	550.39	8.388		
16,300.00	6,840.00	16,615.65	6,840.00	277.96	282.11	89.99	3,046.59	-11,078.12	4,616.65	4,060.87	555.78	8.307		
16,400.00	6,840.00	16,715.65	6,840.00	280.64	284.78	89.99	3,047.01	-11,178.12	4,616.59	4,055.41	561.17	8.227		
16,500.00	6,840.00	16,815.65	6,840.00	283.33	287.44	89.99	3,047.43	-11,278.12	4,616.52	4,049.96	566.56	8.148		
16,600.00	6,840.00	16,915.65	6,840.00	286.02	290.10	89.99	3,047.85	-11,378.12	4,616.45	4,044.50	571.95	8.071		
16,700.00	6,840.00	17,015.65	6,840.00	288.70	292.76	89.99	3,048.28	-11,478.12	4,616.39	4,039.04	577.35	7.996		
16,800.00	6,840.00	17,115.65	6,840.00	291.39	295.43	89.99	3,048.70	-11,578.12	4,616.32	4,033.58	582.74	7.922		
16,900.00	6,840.00	17,215.65	6,840.00	294.08	298.10	89.99	3,049.12	-11,678.12	4,616.26	4,028.12	588.14	7.849		
17,000.00	6,840.00	17,315.65	6,840.00	296.77	300.76	89.99	3,049.54	-11,778.12	4,616.19	4,022.66	593.53	7.778		
17,100.00	6,840.00	17,415.65	6,840.00	299.46	303.43	89.99	3,049.96	-11,878.12	4,616.13	4,017.20	598.93	7.707		
17,200.00	6,840.00	17,515.65	6,840.00	302.14	306.10	89.99	3,050.38	-11,978.12	4,616.06	4,011.74	604.32	7.638		
17,300.00	6,840.00	17,615.65	6,840.00	304.84	308.77	89.99	3,050.80	-12,078.12	4,616.00	4,006.27	609.72	7.571		
17,400.00	6,840.00	17,715.65	6,840.00	307.53	311.44	89.99	3,051.22	-12,178.11	4,615.93	4,000.81	615.12	7.504		
17,500.00	6,840.00	17,815.65	6,840.00	310.22	314.11	89.99	3,051.64	-12,278.11	4,615.87	3,995.35	620.52	7.439		
17,600.00	6,840.00	17,915.65	6,840.00	312.91	316.79	89.99	3,052.06	-12,378.11	4,615.80	3,989.88	625.92	7.374		
17,700.00	6,840.00	18,015.65	6,840.00	315.60	319.46	89.99	3,052.48	-12,478.11	4,615.73	3,984.41	631.32	7.311		
17,800.00	6,840.00	18,115.65	6,840.00	318.29	322.13	89.99	3,052.90	-12,578.11	4,615.67	3,978.95	636.72	7.249		
17,900.00	6,840.00	18,215.65	6,840.00	320.99	324.81	89.99	3,053.32	-12,678.11	4,615.60	3,973.48	642.12	7.188		
18,000.00	6,840.00	18,315.65	6,840.00	323.68	327.48	89.99	3,053.74	-12,778.11	4,615.54	3,968.01	647.52	7.128		
18,100.00	6,840.00	18,415.65	6,840.00	326.38	330.16	89.99	3,054.16	-12,878.11	4,615.47	3,962.54	652.93	7.069		
18,200.00	6,840.00	18,515.65	6,840.00	329.07	332.84	89.99	3,054.58	-12,978.11	4,615.41	3,957.08	658.33	7.011		
18,300.00	6,840.00	18,615.65	6,840.00	331.77	335.52	89.99	3,055.00	-13,078.11	4,615.34	3,951.61	663.74	6.954		
18,400.00	6,840.00	18,715.65	6,840.00	334.46	338.19	89.99	3,055.42	-13,178.11	4,615.28	3,946.14	669.14	6.897		
18,500.00	6,840.00	18,815.65	6,840.00	337.16	340.87	89.99	3,055.84	-13,278.10	4,615.21	3,940.66	674.55	6.842		
18,600.00	6,840.00	18,915.65	6,840.00	339.85	343.55	89.99	3,056.26	-13,378.10	4,615.14	3,935.19	679.95	6.787		
18,700.00	6,840.00	19,015.65	6,840.00	342.55	346.23	89.99	3,056.68	-13,478.10	4,615.08	3,929.72	685.36	6.734		
18,800.00	6,840.00	19,115.65	6,840.00	345.25	348.92	89.99	3,057.10	-13,578.10	4,615.01	3,924.25	690.77	6.681		
18,900.00	6,840.00	19,215.65	6,840.00	347.94	351.60	89.99	3,057.52	-13,678.10	4,614.95	3,918.78	696.17	6.629		
19,000.00	6,840.00	19,315.65	6,840.00	350.64	354.28	89.99	3,057.94	-13,778.10	4,614.88	3,913.30	701.58	6.578		
19,100.00	6,840.00	19,415.65	6,840.00	353.34	356.96	89.99	3,058.37	-13,878.10	4,614.82	3,907.83	706.99	6.527		
19,200.00	6,840.00	19,515.65	6,840.00	356.04	359.65	89.99	3,058.79	-13,978.10	4,614.75	3,902.35	712.40	6.478		
19,300.00	6,840.00	19,615.65	6,840.00	358.74	362.33	89.99	3,059.21	-14,078.10	4,614.69	3,896.88	717.81	6.429		
19,400.00	6,840.00	19,715.65	6,840.00	361.44	365.02	89.99	3,059.63	-14,178.10	4,614.62	3,891.40	723.22	6.381		
19,500.00	6,840.00	19,815.65	6,840.00	364.13	367.70	89.99	3,060.05	-14,278.10	4,614.56	3,885.93	728.63	6.333		
19,600.00	6,840.00	19,915.65	6,840.00	366.83	370.39	89.99	3,060.47	-14,378.09	4,614.49	3,880.45	734.04	6.286		
19,700.00	6,840.00	20,015.65	6,840.00	369.53	373.07	89.99	3,060.89	-14,478.09	4,614.42	3,874.97	739.45	6.240		
19,800.00	6,840.00	20,115.65	6,840.00	372.23	375.76	89.99	3,061.31	-14,578.09	4,614.36	3,869.50	744.86	6.195		
19,900.00	6,840.00	20,215.65	6,840.00	374.94	378.45	89.99	3,061.73	-14,678.09	4,614.29	3,864.02	750.27	6.150		
20,000.00	6,840.00	20,315.65	6,840.00	377.64	381.13	89.99	3,062.15	-14,778.09	4,614.23	3,858.54	755.69	6.106		
20,100.00	6,840.00	20,415.65	6,840.00	380.34	383.82	89.99	3,062.57	-14,878.09	4,614.16	3,853.06	761.10	6.063		
20,200.00	6,840.00	20,515.65	6,840.00	383.04	386.51	89.99	3,062.99	-14,978.09	4,614.10	3,847.59	766.51	6.020		
20,300.00	6,840.00	20,615.65	6,840.00	385.74	389.20	89.99	3,063.41	-15,078.09	4,614.03	3,842.11	771.93	5.977		
20,400.00	6,840.00	20,715.65	6,840.00	388.44	391.89	89.99	3,063.83	-15,178.09	4,613.97	3,836.63	777.34	5.936		
20,500.00	6,840.00	20,815.65	6,840.00	391.14	394.58	89.99	3,064.25	-15,278.09	4,613.90	3,831.15	782.75	5.894		
20,552.28	6,840.00	20,867.93	6,840.00	392.56	395.99	89.99	3,064.47	-15,330.36	4,613.87	3,828.28	785.58	5.873 SF		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-02 - 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	0.05	292.54	0.28	292.54					
100.00	100.00	101.00	101.00	0.13	0.14	0.05	292.54	0.28	292.54	292.26	0.27	1,073.769		
200.00	200.00	201.00	201.00	0.49	0.50	0.05	292.54	0.28	292.54	291.55	0.99	295.676	CC, ES	
300.00	300.00	293.71	293.69	0.85	0.83	-0.14	293.70	-0.72	293.79	292.11	1.68	174.702		
400.00	399.98	386.28	386.15	1.20	1.17	127.52	297.13	-3.66	298.58	296.22	2.37	126.177		
500.00	499.84	478.37	477.93	1.55	1.51	127.18	302.79	-8.52	307.96	304.91	3.06	100.780		
600.00	599.45	569.69	568.67	1.91	1.86	126.91	310.61	-15.23	321.87	318.11	3.76	85.605		
700.00	698.70	659.98	658.01	2.29	2.22	126.69	320.50	-23.72	340.26	335.78	4.48	75.960		
800.00	797.47	748.99	745.63	2.70	2.60	126.51	332.34	-33.87	363.03	357.81	5.22	69.593		
900.00	895.62	836.46	831.24	3.14	3.00	126.35	345.97	-45.57	390.10	384.12	5.97	65.303		
1,000.00	993.06	922.20	914.58	3.62	3.42	126.19	361.26	-58.68	421.36	414.60	6.75	62.387		
1,100.00	1,089.64	1,006.01	995.42	4.14	3.86	126.01	378.02	-73.07	456.69	449.14	7.55	60.451		
1,200.00	1,185.27	1,087.71	1,073.57	4.70	4.32	125.81	396.09	-88.57	495.98	487.59	8.38	59.155		
1,300.00	1,279.82	1,167.17	1,148.90	5.31	4.80	125.56	415.27	-105.02	539.07	529.83	9.24	58.315		
1,400.00	1,373.17	1,244.26	1,221.28	5.98	5.30	125.26	435.39	-122.29	585.83	575.70	10.13	57.843		
1,500.00	1,465.22	1,318.88	1,290.65	6.70	5.80	125.00	456.27	-140.20	636.09	625.05	11.04	57.628		
1,600.00	1,556.72	1,391.61	1,357.55	7.45	6.33	125.47	477.92	-158.78	688.70	676.75	11.95	57.623		
1,700.00	1,648.21	1,462.83	1,422.32	8.21	6.87	125.76	500.38	-178.05	742.87	729.99	12.88	57.689		
1,800.00	1,739.71	1,532.49	1,484.96	8.99	7.44	125.91	523.51	-197.90	798.52	784.72	13.80	57.852		
1,900.00	1,831.20	1,601.41	1,546.18	9.77	8.01	125.94	547.53	-218.50	855.59	840.86	14.74	58.061		
2,000.00	1,922.69	1,683.10	1,618.35	10.56	8.73	125.93	576.57	-243.42	913.28	897.43	15.85	57.631		
2,100.00	2,014.19	1,764.78	1,690.52	11.35	9.45	125.92	605.61	-268.34	970.96	953.99	16.97	57.218		
2,200.00	2,105.68	1,846.47	1,762.69	12.14	10.18	125.91	634.65	-293.26	1,028.65	1,010.54	18.10	56.826		
2,300.00	2,197.18	1,928.15	1,834.86	12.94	10.91	125.91	663.70	-318.17	1,086.33	1,067.09	19.24	56.457		
2,400.00	2,288.67	2,009.84	1,907.02	13.74	11.65	125.90	692.74	-343.09	1,144.02	1,123.63	20.39	56.111		
2,500.00	2,380.17	2,108.48	1,979.19	14.54	12.54	125.90	721.78	-368.01	1,201.70	1,180.04	21.66	55.471		
2,600.00	2,471.66	2,173.21	2,051.36	15.35	13.13	125.89	750.82	-392.92	1,259.39	1,236.69	22.70	55.482		
2,700.00	2,563.16	2,254.89	2,123.53	16.15	13.88	125.89	779.86	-417.84	1,317.07	1,293.21	23.86	55.199		
2,800.00	2,654.65	2,336.58	2,195.70	16.96	14.63	125.88	808.90	-442.76	1,374.76	1,349.73	25.03	54.934		
2,900.00	2,746.15	2,418.26	2,267.86	17.76	15.38	125.88	837.94	-467.67	1,432.44	1,406.25	26.19	54.687		
3,000.00	2,837.64	2,500.05	2,340.03	18.57	16.13	125.87	866.98	-492.59	1,490.13	1,462.76	27.37	54.453		
3,100.00	2,929.14	2,581.63	2,412.20	19.38	16.89	125.87	896.02	-517.51	1,547.81	1,519.27	28.54	54.237		
3,200.00	3,020.63	2,663.32	2,484.37	20.19	17.64	125.87	925.06	-542.42	1,605.50	1,575.78	29.71	54.033		
3,300.00	3,112.13	2,745.00	2,556.54	21.00	18.40	125.86	954.10	-567.34	1,663.18	1,632.29	30.89	53.841		
3,400.00	3,203.62	2,826.69	2,628.71	21.81	19.15	125.86	983.14	-592.26	1,720.87	1,688.80	32.07	53.661		
3,500.00	3,295.12	2,908.37	2,700.87	22.63	19.91	125.86	1,012.19	-617.17	1,778.55	1,745.30	33.25	53.490		
3,600.00	3,386.61	2,990.06	2,773.04	23.44	20.67	125.86	1,041.23	-642.09	1,836.24	1,801.80	34.43	53.329		
3,700.00	3,478.10	3,071.74	2,845.21	24.25	21.43	125.85	1,070.27	-667.01	1,893.92	1,858.31	35.62	53.177		
3,800.00	3,569.60	3,153.43	2,917.38	25.06	22.19	125.85	1,099.31	-691.92	1,951.61	1,914.81	36.80	53.033		
3,900.00	3,661.09	3,235.11	2,989.55	25.88	22.95	125.85	1,128.35	-716.84	2,009.29	1,971.31	37.99	52.897		
4,000.00	3,752.59	3,316.80	3,061.71	26.69	23.71	125.85	1,157.39	-741.76	2,066.98	2,027.80	39.17	52.767		
4,100.00	3,844.08	3,401.52	3,133.88	27.50	24.50	125.85	1,186.43	-766.67	2,124.66	2,084.28	40.38	52.615		
4,200.00	3,935.58	3,480.17	3,206.05	28.32	25.23	125.84	1,215.47	-791.59	2,182.35	2,140.80	41.55	52.527		
4,300.00	4,027.07	3,561.85	3,278.22	29.13	25.99	125.84	1,244.51	-816.51	2,240.03	2,197.29	42.74	52.415		
4,400.00	4,118.57	3,643.54	3,350.39	29.95	26.75	125.84	1,273.55	-841.42	2,297.72	2,253.79	43.93	52.309		
4,500.00	4,210.06	3,725.22	3,422.55	30.76	27.51	125.84	1,302.59	-866.34	2,355.40	2,310.28	45.12	52.207		
4,600.00	4,301.56	3,806.91	3,494.72	31.58	28.28	125.84	1,331.63	-891.26	2,413.08	2,366.78	46.31	52.110		
4,700.00	4,393.05	3,888.59	3,566.89	32.39	29.04	125.84	1,360.68	-916.17	2,470.77	2,423.27	47.50	52.017		
4,800.00	4,484.55	3,970.28	3,639.06	33.21	29.80	125.84	1,389.72	-941.09	2,528.45	2,479.76	48.69	51.928		
4,900.00	4,576.04	4,051.96	3,711.23	34.02	30.57	125.83	1,418.76	-966.01	2,586.14	2,536.26	49.88	51.842		
5,000.00	4,667.54	4,133.65	3,783.39	34.84	31.33	125.83	1,447.80	-990.92	2,643.82	2,592.75	51.08	51.760		
5,100.00	4,759.03	4,215.33	3,855.56	35.65	32.09	125.83	1,476.84	-1,015.84	2,701.51	2,649.24	52.27	51.682		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-02 - 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	4,850.53	4,297.02	3,927.73	36.47	32.86	125.83	1,505.88	-1,040.76	2,759.19	2,705.73	53.47	51.606		
5,300.00	4,942.02	4,378.70	3,999.90	37.28	33.62	125.83	1,534.92	-1,065.67	2,816.88	2,762.22	54.66	51.533		
5,400.00	5,033.51	4,460.39	4,072.07	38.10	34.38	125.83	1,563.96	-1,090.59	2,874.56	2,818.71	55.86	51.463		
5,500.00	5,125.01	4,542.07	4,144.23	38.92	35.15	125.83	1,593.00	-1,115.51	2,932.25	2,875.20	57.05	51.395		
5,600.00	5,216.50	4,623.76	4,216.40	39.73	35.91	125.83	1,622.04	-1,140.42	2,989.93	2,931.69	58.25	51.330		
5,700.00	5,308.00	4,705.44	4,288.57	40.55	36.68	125.83	1,651.08	-1,165.34	3,047.62	2,988.17	59.45	51.267		
5,800.00	5,399.49	4,787.13	4,360.74	41.36	37.44	125.83	1,680.12	-1,190.26	3,105.30	3,044.66	60.64	51.206		
5,900.00	5,490.99	4,868.81	4,432.91	42.18	38.21	125.82	1,709.17	-1,215.17	3,162.99	3,101.15	61.84	51.147		
6,000.00	5,582.48	4,950.50	4,505.07	43.00	38.97	125.82	1,738.21	-1,240.09	3,220.67	3,157.64	63.04	51.090		
6,100.00	5,673.98	5,032.18	4,577.24	43.81	39.73	125.82	1,767.25	-1,265.01	3,278.36	3,214.12	64.24	51.035		
6,200.00	5,765.47	5,113.87	4,649.41	44.63	40.50	125.82	1,796.29	-1,289.92	3,336.04	3,270.61	65.44	50.981		
6,300.00	5,856.97	5,204.45	4,721.58	45.45	41.35	125.82	1,825.33	-1,314.84	3,393.73	3,327.03	66.70	50.879		
6,400.00	5,948.46	5,277.24	4,793.75	46.26	42.03	125.82	1,854.37	-1,339.76	3,451.41	3,383.58	67.84	50.879		
6,500.00	6,039.96	5,358.92	4,865.92	47.08	42.79	125.82	1,883.41	-1,364.68	3,509.10	3,440.06	69.04	50.831		
6,600.00	6,131.45	5,440.61	4,938.08	47.90	43.56	125.82	1,912.45	-1,389.59	3,566.78	3,496.55	70.24	50.783		
6,700.00	6,222.95	5,522.29	5,010.25	48.71	44.32	125.82	1,941.49	-1,414.51	3,624.47	3,553.03	71.44	50.737		
6,800.00	6,314.44	5,603.98	5,082.42	49.53	45.09	125.82	1,970.53	-1,439.43	3,682.15	3,609.52	72.64	50.692		
6,900.00	6,405.93	5,685.66	5,154.59	50.35	45.86	125.82	1,999.57	-1,464.34	3,739.84	3,666.00	73.84	50.649		
7,000.00	6,497.01	5,767.39	5,226.79	51.18	46.62	118.13	2,028.63	-1,489.27	3,797.42	3,722.36	75.06	50.592		
7,100.00	6,588.62	5,848.78	5,298.70	52.20	47.38	103.10	2,057.57	-1,514.10	3,853.28	3,776.80	76.48	50.383		
7,200.00	6,659.25	5,927.63	5,368.36	53.42	48.12	92.71	2,085.60	-1,538.15	3,905.77	3,827.65	78.12	49.996		
7,300.00	6,724.59	6,001.54	5,433.66	54.84	48.82	85.25	2,111.88	-1,560.70	3,953.68	3,873.73	79.95	49.452		
7,400.00	6,776.64	6,068.26	5,492.61	56.40	49.44	79.84	2,135.60	-1,581.05	3,996.07	3,914.15	81.92	48.783		
7,500.00	6,813.82	6,125.78	5,543.42	58.08	49.98	75.97	2,156.04	-1,598.59	4,032.24	3,948.28	83.96	48.024		
7,600.00	6,835.01	6,172.33	5,584.55	59.82	50.42	73.34	2,172.59	-1,612.79	4,061.71	3,975.69	86.02	47.216		
7,700.00	6,840.00	6,206.86	5,615.06	61.57	50.74	72.12	2,184.87	-1,623.33	4,084.37	3,996.35	88.02	46.401		
7,800.00	6,840.00	6,237.53	5,642.16	63.35	51.03	72.54	2,195.78	-1,632.68	4,106.38	4,016.36	90.02	45.617		
7,900.00	6,840.00	6,268.21	5,669.26	65.20	51.32	72.96	2,206.68	-1,642.04	4,130.46	4,038.42	92.03	44.880		
8,000.00	6,840.00	6,301.11	5,696.37	67.10	51.62	73.37	2,217.59	-1,651.40	4,156.58	4,062.50	94.08	44.181		
8,100.00	6,840.00	6,329.56	5,723.47	69.05	51.89	73.79	2,228.49	-1,660.75	4,184.70	4,088.60	96.10	43.546		
8,200.00	6,840.00	6,360.24	5,750.57	71.06	52.18	74.21	2,239.40	-1,670.11	4,214.79	4,116.65	98.13	42.949		
8,300.00	6,840.00	6,409.09	5,777.67	73.11	52.64	74.62	2,250.31	-1,679.47	4,246.79	4,146.47	100.32	42.333		
8,400.00	6,840.00	6,421.59	5,804.77	75.21	52.75	75.04	2,261.21	-1,688.83	4,280.67	4,178.49	102.19	41.891		
8,500.00	6,840.00	8,712.98	6,840.00	77.34	85.18	89.99	2,683.08	-3,279.22	4,291.04	4,144.27	146.77	29.236		
8,600.00	6,840.00	8,812.98	6,840.00	79.51	87.20	89.99	2,683.51	-3,379.22	4,290.98	4,139.50	151.49	28.326		
8,700.00	6,840.00	8,912.98	6,840.00	81.72	89.26	89.99	2,683.94	-3,479.22	4,290.93	4,134.68	156.25	27.463		
8,800.00	6,840.00	9,012.98	6,840.00	83.95	91.35	89.99	2,684.37	-3,579.22	4,290.87	4,129.82	161.05	26.643		
8,900.00	6,840.00	9,112.98	6,840.00	86.22	93.48	89.99	2,684.80	-3,679.22	4,290.81	4,124.92	165.89	25.865		
9,000.00	6,840.00	9,212.98	6,840.00	88.51	95.64	89.99	2,685.23	-3,779.22	4,290.75	4,119.98	170.77	25.126		
9,100.00	6,840.00	9,312.98	6,840.00	90.83	97.82	89.99	2,685.66	-3,879.21	4,290.70	4,115.02	175.68	24.423		
9,200.00	6,840.00	9,412.98	6,840.00	93.16	100.03	89.99	2,686.08	-3,979.21	4,290.64	4,110.02	180.62	23.755		
9,300.00	6,840.00	9,512.98	6,840.00	95.52	102.27	89.99	2,686.51	-4,079.21	4,290.58	4,104.99	185.59	23.118		
9,400.00	6,840.00	9,612.98	6,840.00	97.90	104.53	89.99	2,686.94	-4,179.21	4,290.53	4,099.94	190.59	22.512		
9,500.00	6,840.00	9,712.98	6,840.00	100.30	106.81	89.99	2,687.37	-4,279.21	4,290.47	4,094.86	195.61	21.934		
9,600.00	6,840.00	9,812.98	6,840.00	102.72	109.12	89.99	2,687.80	-4,379.21	4,290.41	4,089.77	200.65	21.383		
9,700.00	6,840.00	9,912.98	6,840.00	105.15	111.44	89.99	2,688.23	-4,479.21	4,290.36	4,084.65	205.71	20.857		
9,800.00	6,840.00	10,012.98	6,840.00	107.59	113.78	89.99	2,688.66	-4,579.21	4,290.30	4,079.51	210.79	20.354		
9,900.00	6,840.00	10,112.98	6,840.00	110.05	116.14	89.99	2,689.09	-4,679.21	4,290.24	4,074.36	215.88	19.873		
10,000.00	6,840.00	10,212.98	6,840.00	112.52	118.52	89.99	2,689.52	-4,779.21	4,290.18	4,069.19	221.00	19.413		
10,100.00	6,840.00	10,312.98	6,840.00	115.00	120.91	89.99	2,689.95	-4,879.20	4,290.13	4,064.00	226.13	18.972		
10,200.00	6,840.00	10,412.98	6,840.00	117.50	123.32	89.99	2,690.37	-4,979.20	4,290.07	4,058.80	231.27	18.550		
10,300.00	6,840.00	10,512.98	6,840.00	120.00	125.74	89.99	2,690.80	-5,079.20	4,290.01	4,053.59	236.43	18.145		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-02 - 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		
10,400.00	6,840.00	10,612.98	6,840.00	122.51	128.17	89.99	2,691.23	-5,179.20	4,289.96	4,048.36	241.60	17.757		
10,500.00	6,840.00	10,712.98	6,840.00	125.04	130.61	89.99	2,691.66	-5,279.20	4,289.90	4,043.12	246.78	17.384		
10,600.00	6,840.00	10,812.98	6,840.00	127.57	133.07	89.99	2,692.09	-5,379.20	4,289.84	4,037.87	251.97	17.025		
10,700.00	6,840.00	10,912.98	6,840.00	130.11	135.53	89.99	2,692.52	-5,479.20	4,289.79	4,032.62	257.17	16.681		
10,800.00	6,840.00	11,012.98	6,840.00	132.66	138.01	89.99	2,692.95	-5,579.20	4,289.73	4,027.35	262.38	16.349		
10,900.00	6,840.00	11,112.98	6,840.00	135.21	140.49	89.99	2,693.38	-5,679.20	4,289.67	4,022.07	267.60	16.030		
11,000.00	6,840.00	11,212.98	6,840.00	137.77	142.99	89.99	2,693.81	-5,779.20	4,289.61	4,016.78	272.83	15.723		
11,100.00	6,840.00	11,312.98	6,840.00	140.34	145.49	89.99	2,694.23	-5,879.20	4,289.56	4,011.49	278.07	15.426		
11,200.00	6,840.00	11,412.98	6,840.00	142.91	148.00	89.99	2,694.66	-5,979.19	4,289.50	4,006.19	283.31	15.141		
11,300.00	6,840.00	11,512.98	6,840.00	145.49	150.52	89.99	2,695.09	-6,079.19	4,289.44	4,000.88	288.56	14.865		
11,400.00	6,840.00	11,612.98	6,840.00	148.07	153.05	89.99	2,695.52	-6,179.19	4,289.39	3,995.56	293.82	14.599		
11,500.00	6,840.00	11,712.98	6,840.00	150.66	155.58	89.99	2,695.95	-6,279.19	4,289.33	3,990.24	299.09	14.341		
11,600.00	6,840.00	11,812.98	6,840.00	153.25	158.12	89.99	2,696.38	-6,379.19	4,289.27	3,984.91	304.36	14.093		
11,700.00	6,840.00	11,912.98	6,840.00	155.85	160.67	89.99	2,696.81	-6,479.19	4,289.22	3,979.58	309.64	13.852		
11,800.00	6,840.00	12,012.98	6,840.00	158.45	163.22	89.99	2,697.24	-6,579.19	4,289.16	3,974.24	314.92	13.620		
11,900.00	6,840.00	12,112.98	6,840.00	161.06	165.78	89.99	2,697.67	-6,679.19	4,289.10	3,968.89	320.21	13.395		
12,000.00	6,840.00	12,212.98	6,840.00	163.67	168.34	89.99	2,698.09	-6,779.19	4,289.05	3,963.54	325.50	13.177		
12,100.00	6,840.00	12,312.98	6,840.00	166.28	170.91	89.99	2,698.52	-6,879.19	4,288.99	3,958.19	330.80	12.966		
12,200.00	6,840.00	12,412.98	6,840.00	168.90	173.48	89.99	2,698.95	-6,979.19	4,288.93	3,952.83	336.10	12.761		
12,300.00	6,840.00	12,512.98	6,840.00	171.52	176.06	89.99	2,699.38	-7,079.18	4,288.87	3,947.47	341.41	12.562		
12,400.00	6,840.00	12,612.98	6,840.00	174.15	178.64	89.99	2,699.81	-7,179.18	4,288.82	3,942.10	346.72	12.370		
12,500.00	6,840.00	12,712.98	6,840.00	176.77	181.23	89.99	2,700.24	-7,279.18	4,288.76	3,936.73	352.03	12.183		
12,600.00	6,840.00	12,812.98	6,840.00	179.40	183.82	89.99	2,700.67	-7,379.18	4,288.70	3,931.35	357.35	12.001		
12,700.00	6,840.00	12,912.98	6,840.00	182.04	186.41	89.99	2,701.10	-7,479.18	4,288.65	3,925.97	362.67	11.825		
12,800.00	6,840.00	13,012.98	6,840.00	184.67	189.01	89.99	2,701.53	-7,579.18	4,288.59	3,920.59	368.00	11.654		
12,900.00	6,840.00	13,112.98	6,840.00	187.31	191.61	89.99	2,701.96	-7,679.18	4,288.53	3,915.21	373.33	11.487		
13,000.00	6,840.00	13,212.98	6,840.00	189.95	194.21	89.99	2,702.38	-7,779.18	4,288.48	3,909.82	378.66	11.325		
13,100.00	6,840.00	13,312.98	6,840.00	192.59	196.82	89.99	2,702.81	-7,879.18	4,288.42	3,904.42	383.99	11.168		
13,200.00	6,840.00	13,412.98	6,840.00	195.24	199.43	89.99	2,703.24	-7,979.18	4,288.36	3,899.03	389.33	11.015		
13,300.00	6,840.00	13,512.98	6,840.00	197.88	202.05	89.99	2,703.67	-8,079.17	4,288.30	3,893.63	394.67	10.865		
13,400.00	6,840.00	13,612.98	6,840.00	200.53	204.66	89.99	2,704.10	-8,179.17	4,288.25	3,888.23	400.02	10.720		
13,500.00	6,840.00	13,712.98	6,840.00	203.18	207.28	89.99	2,704.53	-8,279.17	4,288.19	3,882.83	405.36	10.579		
13,600.00	6,840.00	13,812.98	6,840.00	205.83	209.91	89.99	2,704.96	-8,379.17	4,288.13	3,877.42	410.71	10.441		
13,700.00	6,840.00	13,912.98	6,840.00	208.49	212.53	89.99	2,705.39	-8,479.17	4,288.08	3,872.02	416.06	10.306		
13,800.00	6,840.00	14,012.98	6,840.00	211.14	215.16	89.99	2,705.82	-8,579.17	4,288.02	3,866.61	421.41	10.175		
13,900.00	6,840.00	14,112.98	6,840.00	213.80	217.79	89.99	2,706.24	-8,679.17	4,287.96	3,861.19	426.77	10.048		
14,000.00	6,840.00	14,212.98	6,840.00	216.46	220.42	89.99	2,706.67	-8,779.17	4,287.91	3,855.78	432.12	9.923		
14,100.00	6,840.00	14,312.98	6,840.00	219.12	223.06	89.99	2,707.10	-8,879.17	4,287.85	3,850.36	437.48	9.801		
14,200.00	6,840.00	14,412.98	6,840.00	221.78	225.69	89.99	2,707.53	-8,979.17	4,287.79	3,844.95	442.85	9.682		
14,300.00	6,840.00	14,512.98	6,840.00	224.45	228.33	89.99	2,707.96	-9,079.17	4,287.73	3,839.53	448.21	9.566		
14,400.00	6,840.00	14,612.98	6,840.00	227.11	230.97	89.99	2,708.39	-9,179.16	4,287.68	3,834.10	453.57	9.453		
14,500.00	6,840.00	14,712.98	6,840.00	229.78	233.61	89.99	2,708.82	-9,279.16	4,287.62	3,828.68	458.94	9.342		
14,600.00	6,840.00	14,812.98	6,840.00	232.45	236.26	89.99	2,709.25	-9,379.16	4,287.56	3,823.26	464.31	9.234		
14,700.00	6,840.00	14,912.98	6,840.00	235.12	238.90	89.99	2,709.68	-9,479.16	4,287.51	3,817.83	469.68	9.129		
14,800.00	6,840.00	15,012.98	6,840.00	237.79	241.55	89.99	2,710.10	-9,579.16	4,287.45	3,812.40	475.05	9.025		
14,900.00	6,840.00	15,112.98	6,840.00	240.46	244.20	89.99	2,710.53	-9,679.16	4,287.39	3,806.97	480.42	8.924		
15,000.00	6,840.00	15,212.98	6,840.00	243.13	246.85	89.99	2,710.96	-9,779.16	4,287.34	3,801.54	485.80	8.825		
15,100.00	6,840.00	15,312.98	6,840.00	245.80	249.51	89.99	2,711.39	-9,879.16	4,287.28	3,796.10	491.17	8.729		
15,200.00	6,840.00	15,412.98	6,840.00	248.48	252.16	89.99	2,711.82	-9,979.16	4,287.22	3,790.67	496.55	8.634		
15,300.00	6,840.00	15,512.98	6,840.00	251.15	254.82	89.99	2,712.25	-10,079.16	4,287.16	3,785.23	501.93	8.541		
15,400.00	6,840.00	15,612.98	6,840.00	253.83	257.47	89.99	2,712.68	-10,179.16	4,287.11	3,779.80	507.31	8.451		
15,500.00	6,840.00	15,712.98	6,840.00	256.51	260.13	89.99	2,713.11	-10,279.15	4,287.05	3,774.36	512.69	8.362		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-02 - 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		
15,600.00	6,840.00	15,812.98	6,840.00	259.19	262.79	89.99	2,713.54	-10,379.15	4,286.99	3,768.92	518.07	8.275		
15,700.00	6,840.00	15,912.98	6,840.00	261.87	265.45	89.99	2,713.97	-10,479.15	4,286.94	3,763.48	523.46	8.190		
15,800.00	6,840.00	16,012.98	6,840.00	264.55	268.11	89.99	2,714.39	-10,579.15	4,286.88	3,758.04	528.84	8.106		
15,900.00	6,840.00	16,112.98	6,840.00	267.23	270.78	89.99	2,714.82	-10,679.15	4,286.82	3,752.59	534.23	8.024		
16,000.00	6,840.00	16,212.98	6,840.00	269.91	273.44	89.99	2,715.25	-10,779.15	4,286.77	3,747.15	539.62	7.944		
16,100.00	6,840.00	16,312.98	6,840.00	272.59	276.11	89.99	2,715.68	-10,879.15	4,286.71	3,741.71	545.00	7.865		
16,200.00	6,840.00	16,412.98	6,840.00	275.28	278.77	89.99	2,716.11	-10,979.15	4,286.65	3,736.26	550.39	7.788		
16,300.00	6,840.00	16,512.98	6,840.00	277.96	281.44	89.99	2,716.54	-11,079.15	4,286.60	3,730.81	555.78	7.713		
16,400.00	6,840.00	16,612.98	6,840.00	280.64	284.11	89.99	2,716.97	-11,179.15	4,286.54	3,725.36	561.17	7.639		
16,500.00	6,840.00	16,712.98	6,840.00	283.33	286.78	89.99	2,717.40	-11,279.15	4,286.48	3,719.92	566.57	7.566		
16,600.00	6,840.00	16,812.98	6,840.00	286.02	289.45	89.99	2,717.83	-11,379.14	4,286.42	3,714.47	571.96	7.494		
16,700.00	6,840.00	16,912.98	6,840.00	288.70	292.12	89.99	2,718.25	-11,479.14	4,286.37	3,709.01	577.35	7.424		
16,800.00	6,840.00	17,012.98	6,840.00	291.39	294.79	89.99	2,718.68	-11,579.14	4,286.31	3,703.56	582.75	7.355		
16,900.00	6,840.00	17,112.98	6,840.00	294.08	297.47	89.99	2,719.11	-11,679.14	4,286.25	3,698.11	588.14	7.288		
17,000.00	6,840.00	17,212.98	6,840.00	296.77	300.14	89.99	2,719.54	-11,779.14	4,286.20	3,692.66	593.54	7.221		
17,100.00	6,840.00	17,312.98	6,840.00	299.46	302.82	89.99	2,719.97	-11,879.14	4,286.14	3,687.20	598.94	7.156		
17,200.00	6,840.00	17,412.98	6,840.00	302.14	305.49	89.99	2,720.40	-11,979.14	4,286.08	3,681.75	604.33	7.092		
17,300.00	6,840.00	17,512.98	6,840.00	304.84	308.17	89.99	2,720.83	-12,079.14	4,286.03	3,676.29	609.73	7.029		
17,400.00	6,840.00	17,612.98	6,840.00	307.53	310.85	89.99	2,721.26	-12,179.14	4,285.97	3,670.84	615.13	6.968		
17,500.00	6,840.00	17,712.98	6,840.00	310.22	313.53	89.99	2,721.69	-12,279.14	4,285.91	3,665.38	620.53	6.907		
17,600.00	6,840.00	17,812.98	6,840.00	312.91	316.20	89.99	2,722.11	-12,379.13	4,285.85	3,659.92	625.93	6.847		
17,700.00	6,840.00	17,912.98	6,840.00	315.60	318.88	89.99	2,722.54	-12,479.13	4,285.80	3,654.46	631.33	6.788		
17,800.00	6,840.00	18,012.98	6,840.00	318.29	321.56	89.99	2,722.97	-12,579.13	4,285.74	3,649.00	636.74	6.731		
17,900.00	6,840.00	18,112.98	6,840.00	320.99	324.25	89.99	2,723.40	-12,679.13	4,285.68	3,643.55	642.14	6.674		
18,000.00	6,840.00	18,212.98	6,840.00	323.68	326.93	89.99	2,723.83	-12,779.13	4,285.63	3,638.09	647.54	6.618		
18,100.00	6,840.00	18,312.98	6,840.00	326.38	329.61	89.99	2,724.26	-12,879.13	4,285.57	3,632.62	652.95	6.563		
18,200.00	6,840.00	18,412.98	6,840.00	329.07	332.29	89.99	2,724.69	-12,979.13	4,285.51	3,627.16	658.35	6.509		
18,300.00	6,840.00	18,512.98	6,840.00	331.77	334.98	89.99	2,725.12	-13,079.13	4,285.46	3,621.70	663.75	6.456		
18,400.00	6,840.00	18,612.98	6,840.00	334.46	337.66	89.99	2,725.55	-13,179.13	4,285.40	3,616.24	669.16	6.404		
18,500.00	6,840.00	18,712.98	6,840.00	337.16	340.35	89.99	2,725.98	-13,279.13	4,285.34	3,610.78	674.57	6.353		
18,600.00	6,840.00	18,812.98	6,840.00	339.85	343.03	89.99	2,726.40	-13,379.13	4,285.28	3,605.31	679.97	6.302		
18,700.00	6,840.00	18,912.98	6,840.00	342.55	345.72	89.99	2,726.83	-13,479.12	4,285.23	3,599.85	685.38	6.252		
18,800.00	6,840.00	19,012.98	6,840.00	345.25	348.40	89.99	2,727.26	-13,579.12	4,285.17	3,594.38	690.79	6.203		
18,900.00	6,840.00	19,112.98	6,840.00	347.94	351.09	89.99	2,727.69	-13,679.12	4,285.11	3,588.92	696.20	6.155		
19,000.00	6,840.00	19,212.98	6,840.00	350.64	353.78	89.99	2,728.12	-13,779.12	4,285.06	3,583.45	701.60	6.108		
19,100.00	6,840.00	19,312.98	6,840.00	353.34	356.47	89.99	2,728.55	-13,879.12	4,285.00	3,577.99	707.01	6.061		
19,200.00	6,840.00	19,412.98	6,840.00	356.04	359.15	89.99	2,728.98	-13,979.12	4,284.94	3,572.52	712.42	6.015		
19,300.00	6,840.00	19,512.98	6,840.00	358.74	361.84	89.99	2,729.41	-14,079.12	4,284.89	3,567.05	717.83	5.969		
19,400.00	6,840.00	19,612.98	6,840.00	361.44	364.53	89.99	2,729.84	-14,179.12	4,284.83	3,561.58	723.24	5.924		
19,500.00	6,840.00	19,712.98	6,840.00	364.13	367.22	89.99	2,730.26	-14,279.12	4,284.77	3,556.12	728.65	5.880		
19,600.00	6,840.00	19,812.98	6,840.00	366.83	369.91	89.99	2,730.69	-14,379.12	4,284.71	3,550.65	734.07	5.837		
19,700.00	6,840.00	19,912.98	6,840.00	369.53	372.60	89.99	2,731.12	-14,479.12	4,284.66	3,545.18	739.48	5.794		
19,800.00	6,840.00	20,012.98	6,840.00	372.23	375.30	89.99	2,731.55	-14,579.11	4,284.60	3,539.71	744.89	5.752		
19,900.00	6,840.00	20,112.98	6,840.00	374.94	377.99	89.99	2,731.98	-14,679.11	4,284.54	3,534.24	750.30	5.710		
20,000.00	6,840.00	20,212.98	6,840.00	377.64	380.68	89.99	2,732.41	-14,779.11	4,284.49	3,528.77	755.72	5.669		
20,100.00	6,840.00	20,312.98	6,840.00	380.34	383.37	89.99	2,732.84	-14,879.11	4,284.43	3,523.30	761.13	5.629		
20,200.00	6,840.00	20,412.98	6,840.00	383.04	386.06	89.99	2,733.27	-14,979.11	4,284.37	3,517.83	766.54	5.589		
20,300.00	6,840.00	20,512.98	6,840.00	385.74	388.76	89.99	2,733.70	-15,079.11	4,284.32	3,512.36	771.96	5.550		
20,400.00	6,840.00	20,612.98	6,840.00	388.44	391.45	89.99	2,734.13	-15,179.11	4,284.26	3,506.89	777.37	5.511		
20,500.00	6,840.00	20,712.98	6,840.00	391.14	394.15	89.99	2,734.55	-15,279.11	4,284.20	3,501.42	782.79	5.473		
20,552.28	6,840.00	20,765.25	6,840.00	392.56	395.55	89.99	2,734.78	-15,331.38	4,284.17	3,498.56	785.62	5.453 SF		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-03 - 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	0.06	270.31	0.28	270.31					
100.00	100.00	101.00	101.00	0.13	0.14	0.06	270.31	0.28	270.31	270.04	0.27	992.200		
200.00	200.00	201.00	201.00	0.49	0.50	0.06	270.31	0.28	270.31	269.32	0.99	273.215		
300.00	300.00	301.00	301.00	0.85	0.85	0.06	270.31	0.28	270.31	268.61	1.71	158.419 CC, ES		
400.00	399.98	394.60	394.59	1.20	1.19	128.11	271.42	-0.82	272.58	270.19	2.39	114.084		
500.00	499.84	487.99	487.86	1.55	1.53	128.13	274.70	-4.05	279.31	276.23	3.08	90.806		
600.00	599.45	580.83	580.38	1.91	1.87	128.16	280.10	-9.38	290.48	286.71	3.78	76.896		
700.00	698.70	672.85	671.80	2.29	2.22	128.18	287.56	-16.74	306.06	301.56	4.50	68.087		
800.00	797.47	763.80	761.78	2.70	2.58	128.19	296.97	-26.04	325.97	320.74	5.23	62.317		
900.00	895.62	853.44	850.01	3.14	2.96	128.16	308.24	-37.16	350.15	344.17	5.99	58.475		
1,000.00	993.06	941.56	936.21	3.62	3.36	128.10	321.22	-49.98	378.51	371.74	6.77	55.913		
1,100.00	1,089.64	1,027.95	1,020.15	4.14	3.78	127.99	335.78	-64.35	410.93	403.35	7.58	54.222		
1,200.00	1,185.27	1,112.44	1,101.59	4.70	4.21	127.82	351.75	-80.12	447.30	438.89	8.41	53.175		
1,300.00	1,279.82	1,194.87	1,180.38	5.31	4.67	127.60	368.97	-97.12	487.50	478.23	9.28	52.546		
1,400.00	1,373.17	1,275.09	1,256.37	5.98	5.15	127.31	387.27	-115.19	531.40	521.22	10.18	52.219		
1,500.00	1,465.22	1,353.02	1,329.47	6.70	5.65	127.04	406.49	-134.17	578.83	567.72	11.11	52.114		
1,600.00	1,556.72	1,429.17	1,400.16	7.45	6.16	127.41	426.63	-154.05	628.59	616.54	12.05	52.185		
1,700.00	1,648.21	1,503.90	1,468.77	8.21	6.70	127.57	447.69	-174.85	679.85	666.85	12.99	52.319		
1,800.00	1,739.71	1,577.15	1,535.26	8.99	7.26	127.58	469.56	-196.44	732.54	718.58	13.96	52.479		
1,900.00	1,831.20	1,653.54	1,603.81	9.77	7.88	127.47	493.55	-220.12	786.54	771.56	14.98	52.503		
2,000.00	1,922.69	1,737.51	1,678.99	10.56	8.57	127.34	520.17	-246.40	840.81	824.69	16.12	52.170		
2,100.00	2,014.19	1,821.48	1,754.17	11.35	9.28	127.22	546.79	-272.69	895.09	877.82	17.27	51.844		
2,200.00	2,105.68	1,905.46	1,829.35	12.14	9.99	127.11	573.42	-298.97	949.37	930.95	18.42	51.528		
2,300.00	2,197.18	1,989.43	1,904.53	12.94	10.71	127.02	600.04	-325.25	1,003.65	984.06	19.59	51.226		
2,400.00	2,288.67	2,073.41	1,979.71	13.74	11.43	126.94	626.66	-351.54	1,057.94	1,037.17	20.77	50.941		
2,500.00	2,380.17	2,157.38	2,054.89	14.54	12.16	126.86	653.28	-377.82	1,112.22	1,090.27	21.95	50.672		
2,600.00	2,471.66	2,241.36	2,130.08	15.35	12.89	126.80	679.90	-404.10	1,166.51	1,143.37	23.14	50.420		
2,700.00	2,563.16	2,325.33	2,205.26	16.15	13.62	126.73	706.52	-430.39	1,220.79	1,196.47	24.33	50.184		
2,800.00	2,654.65	2,409.30	2,280.44	16.96	14.36	126.68	733.15	-456.67	1,275.08	1,249.56	25.52	49.963		
2,900.00	2,746.15	2,506.72	2,355.62	17.76	15.22	126.63	759.77	-482.95	1,329.37	1,302.56	26.82	49.573		
3,000.00	2,837.64	2,577.25	2,430.80	18.57	15.84	126.58	786.39	-509.24	1,383.66	1,355.74	27.92	49.560		
3,100.00	2,929.14	2,661.23	2,505.98	19.38	16.58	126.53	813.01	-535.52	1,437.95	1,408.83	29.12	49.377		
3,200.00	3,020.63	2,745.20	2,581.16	20.19	17.32	126.49	839.63	-561.81	1,492.24	1,461.92	30.33	49.205		
3,300.00	3,112.13	2,829.18	2,656.34	21.00	18.07	126.46	866.26	-588.09	1,546.54	1,515.00	31.53	49.043		
3,400.00	3,203.62	2,913.15	2,731.52	21.81	18.81	126.42	892.88	-614.37	1,600.83	1,568.08	32.74	48.890		
3,500.00	3,295.12	3,002.87	2,806.70	22.63	19.61	126.39	919.50	-640.66	1,655.12	1,621.12	34.00	48.685		
3,600.00	3,386.61	3,081.10	2,881.88	23.44	20.31	126.36	946.12	-666.94	1,709.41	1,674.25	35.17	48.610		
3,700.00	3,478.10	3,165.07	2,957.06	24.25	21.05	126.33	972.74	-693.22	1,763.71	1,727.33	36.38	48.481		
3,800.00	3,569.60	3,249.05	3,032.24	25.06	21.80	126.30	999.37	-719.51	1,818.00	1,780.41	37.59	48.359		
3,900.00	3,661.09	3,333.02	3,107.42	25.88	22.55	126.27	1,025.99	-745.79	1,872.29	1,833.48	38.81	48.243		
4,000.00	3,752.59	3,417.00	3,182.61	26.69	23.30	126.25	1,052.61	-772.07	1,926.59	1,886.56	40.03	48.133		
4,100.00	3,844.08	3,500.97	3,257.79	27.50	24.05	126.23	1,079.23	-798.36	1,980.88	1,939.64	41.24	48.028		
4,200.00	3,935.58	3,584.95	3,332.97	28.32	24.80	126.20	1,105.85	-824.64	2,035.18	1,992.71	42.46	47.929		
4,300.00	4,027.07	3,668.92	3,408.15	29.13	25.55	126.18	1,132.48	-850.92	2,089.47	2,045.79	43.68	47.834		
4,400.00	4,118.57	3,752.89	3,483.33	29.95	26.30	126.16	1,159.10	-877.21	2,143.77	2,098.86	44.90	47.744		
4,500.00	4,210.06	3,836.87	3,558.51	30.76	27.05	126.14	1,185.72	-903.49	2,198.06	2,151.94	46.12	47.657		
4,600.00	4,301.56	3,920.84	3,633.69	31.58	27.80	126.13	1,212.34	-929.77	2,252.36	2,205.01	47.34	47.575		
4,700.00	4,393.05	4,004.82	3,708.87	32.39	28.56	126.11	1,238.96	-956.06	2,306.65	2,258.09	48.57	47.495		
4,800.00	4,484.55	4,088.79	3,784.05	33.21	29.31	126.09	1,265.59	-982.34	2,360.95	2,311.16	49.79	47.420		
4,900.00	4,576.04	4,172.77	3,859.23	34.02	30.06	126.08	1,292.21	-1,008.63	2,415.24	2,364.23	51.01	47.347		
5,000.00	4,667.54	4,256.74	3,934.41	34.84	30.81	126.06	1,318.83	-1,034.91	2,469.54	2,417.30	52.24	47.277		
5,100.00	4,759.03	4,340.72	4,009.59	35.65	31.57	126.05	1,345.45	-1,061.19	2,523.83	2,470.37	53.46	47.210		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-03 - 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	4,850.53	4,424.69	4,084.77	36.47	32.32	126.04	1,372.07	-1,087.48	2,578.13	2,523.45	54.68	47.146		
5,300.00	4,942.02	4,508.66	4,159.96	37.28	33.07	126.02	1,398.69	-1,113.76	2,632.43	2,576.52	55.91	47.084		
5,400.00	5,033.51	4,607.36	4,235.14	38.10	33.96	126.01	1,425.32	-1,140.04	2,686.72	2,629.48	57.24	46.934		
5,500.00	5,125.01	4,676.61	4,310.32	38.92	34.58	126.00	1,451.94	-1,166.33	2,741.02	2,682.66	58.36	46.967		
5,600.00	5,216.50	4,760.59	4,385.50	39.73	35.33	125.99	1,478.56	-1,192.61	2,795.32	2,735.73	59.59	46.911		
5,700.00	5,308.00	4,844.56	4,460.68	40.55	36.09	125.98	1,505.18	-1,218.89	2,849.61	2,788.80	60.81	46.857		
5,800.00	5,399.49	4,928.54	4,535.86	41.36	36.84	125.97	1,531.80	-1,245.18	2,903.91	2,841.87	62.04	46.806		
5,900.00	5,490.99	5,012.51	4,611.04	42.18	37.59	125.95	1,558.43	-1,271.46	2,958.20	2,894.93	63.27	46.756		
6,000.00	5,582.48	5,103.52	4,686.22	43.00	38.41	125.94	1,585.05	-1,297.74	3,012.50	2,947.95	64.55	46.669		
6,100.00	5,673.98	5,180.46	4,761.40	43.81	39.10	125.94	1,611.67	-1,324.03	3,066.80	3,001.07	65.73	46.660		
6,200.00	5,765.47	5,264.43	4,836.58	44.63	39.86	125.93	1,638.29	-1,350.31	3,121.09	3,054.14	66.95	46.615		
6,300.00	5,856.97	5,348.41	4,911.76	45.45	40.61	125.92	1,664.91	-1,376.59	3,175.39	3,107.21	68.18	46.571		
6,400.00	5,948.46	5,432.38	4,986.94	46.26	41.36	125.91	1,691.54	-1,402.88	3,229.69	3,160.27	69.41	46.528		
6,500.00	6,039.96	5,516.36	5,062.12	47.08	42.12	125.90	1,718.16	-1,429.16	3,283.98	3,213.34	70.64	46.487		
6,600.00	6,131.45	5,600.33	5,137.30	47.90	42.87	125.89	1,744.78	-1,455.45	3,338.28	3,266.41	71.87	46.447		
6,700.00	6,222.95	5,684.31	5,212.49	48.71	43.63	125.88	1,771.40	-1,481.73	3,392.58	3,319.47	73.10	46.408		
6,800.00	6,314.44	5,768.28	5,287.67	49.53	44.38	125.88	1,798.02	-1,508.01	3,446.88	3,372.54	74.33	46.370		
6,900.00	6,405.93	5,852.25	5,362.85	50.35	45.14	125.87	1,824.65	-1,534.30	3,501.17	3,425.61	75.57	46.333		
7,000.00	6,497.01	5,936.27	5,438.07	51.18	45.89	118.40	1,851.28	-1,560.59	3,555.36	3,478.54	76.82	46.284		
7,100.00	6,582.62	6,019.93	5,512.96	52.20	46.65	103.93	1,877.80	-1,586.78	3,607.87	3,529.60	78.26	46.099		
7,200.00	6,659.25	6,100.96	5,585.51	53.42	47.37	94.01	1,903.49	-1,612.14	3,657.12	3,577.19	79.93	45.753		
7,300.00	6,724.59	6,176.90	5,653.50	54.84	48.06	86.93	1,927.57	-1,635.91	3,702.04	3,620.26	81.78	45.269		
7,400.00	6,776.64	6,245.44	5,714.86	56.40	48.67	81.82	1,949.30	-1,657.36	3,741.82	3,658.06	83.76	44.675		
7,500.00	6,813.82	6,304.50	5,767.73	58.08	49.20	78.18	1,968.02	-1,675.85	3,775.88	3,690.07	85.81	44.004		
7,600.00	6,835.01	6,352.28	5,810.51	59.82	49.63	75.68	1,983.17	-1,690.80	3,803.82	3,715.96	87.86	43.294		
7,700.00	6,840.00	6,387.70	5,842.22	61.57	49.95	74.53	1,994.39	-1,701.89	3,825.63	3,735.79	89.84	42.583		
7,800.00	6,840.00	6,419.15	5,870.38	63.35	50.24	74.99	2,004.37	-1,711.73	3,847.09	3,755.29	91.80	41.905		
7,900.00	6,840.00	6,450.61	5,898.54	65.20	50.52	75.45	2,014.34	-1,721.58	3,870.76	3,776.98	93.78	41.273		
8,000.00	6,840.00	6,482.06	5,926.70	67.10	50.80	75.90	2,024.31	-1,731.42	3,896.60	3,800.83	95.77	40.687		
8,100.00	6,840.00	6,513.51	5,954.86	69.05	51.08	76.35	2,034.28	-1,741.27	3,924.56	3,826.81	97.76	40.147		
8,200.00	6,840.00	6,544.96	5,983.02	71.06	51.37	76.81	2,044.25	-1,751.11	3,954.61	3,854.87	99.74	39.651		
8,300.00	6,840.00	8,420.92	6,840.00	73.11	78.37	89.99	2,352.22	-3,080.30	3,961.15	3,823.94	137.21	28.870		
8,400.00	6,840.00	8,520.92	6,840.00	75.21	80.40	89.99	2,352.66	-3,180.30	3,961.10	3,819.27	141.82	27.930		
8,500.00	6,840.00	8,620.92	6,840.00	77.34	82.46	89.99	2,353.09	-3,280.30	3,961.05	3,814.55	146.50	27.039		
8,600.00	6,840.00	8,720.92	6,840.00	79.51	84.56	89.99	2,353.53	-3,380.30	3,961.00	3,809.78	151.22	26.194		
8,700.00	6,840.00	8,820.92	6,840.00	81.72	86.70	89.99	2,353.97	-3,480.30	3,960.95	3,804.96	155.99	25.392		
8,800.00	6,840.00	8,920.92	6,840.00	83.95	88.87	89.99	2,354.41	-3,580.30	3,960.90	3,800.10	160.81	24.632		
8,900.00	6,840.00	9,020.92	6,840.00	86.22	91.06	89.99	2,354.84	-3,680.29	3,960.85	3,795.20	165.66	23.910		
9,000.00	6,840.00	9,120.92	6,840.00	88.51	93.29	89.99	2,355.28	-3,780.29	3,960.81	3,790.26	170.55	23.224		
9,100.00	6,840.00	9,220.92	6,840.00	90.83	95.54	89.99	2,355.72	-3,880.29	3,960.76	3,785.29	175.47	22.573		
9,200.00	6,840.00	9,320.92	6,840.00	93.16	97.82	89.99	2,356.15	-3,980.29	3,960.71	3,780.29	180.42	21.953		
9,300.00	6,840.00	9,420.92	6,840.00	95.52	100.12	89.99	2,356.59	-4,080.29	3,960.66	3,775.27	185.39	21.363		
9,400.00	6,840.00	9,520.92	6,840.00	97.90	102.44	89.99	2,357.03	-4,180.29	3,960.61	3,770.21	190.40	20.802		
9,500.00	6,840.00	9,620.92	6,840.00	100.30	104.78	89.99	2,357.47	-4,280.29	3,960.56	3,765.14	195.42	20.267		
9,600.00	6,840.00	9,720.92	6,840.00	102.72	107.14	89.99	2,357.90	-4,380.29	3,960.52	3,760.04	200.47	19.756		
9,700.00	6,840.00	9,820.92	6,840.00	105.15	109.52	89.99	2,358.34	-4,480.29	3,960.47	3,754.93	205.54	19.269		
9,800.00	6,840.00	9,920.92	6,840.00	107.59	111.91	89.99	2,358.78	-4,580.29	3,960.42	3,749.79	210.63	18.803		
9,900.00	6,840.00	10,020.92	6,840.00	110.05	114.32	89.99	2,359.22	-4,680.28	3,960.37	3,744.64	215.73	18.358		
10,000.00	6,840.00	10,120.92	6,840.00	112.52	116.74	89.99	2,359.65	-4,780.28	3,960.32	3,739.47	220.85	17.932		
10,100.00	6,840.00	10,220.92	6,840.00	115.00	119.18	89.99	2,360.09	-4,880.28	3,960.27	3,734.29	225.98	17.525		
10,200.00	6,840.00	10,320.92	6,840.00	117.50	121.63	89.99	2,360.53	-4,980.28	3,960.22	3,729.09	231.13	17.134		
10,300.00	6,840.00	10,420.92	6,840.00	120.00	124.09	89.99	2,360.97	-5,080.28	3,960.18	3,723.88	236.29	16.759		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-03 - 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		
10,400.00	6,840.00	10,520.92	6,840.00	122.51	126.56	89.99	2,361.40	-5,180.28	3,960.13	3,718.66	241.47	16.400		
10,500.00	6,840.00	10,620.92	6,840.00	125.04	129.04	89.99	2,361.84	-5,280.28	3,960.08	3,713.43	246.65	16.055		
10,600.00	6,840.00	10,720.92	6,840.00	127.57	131.53	89.99	2,362.28	-5,380.28	3,960.03	3,708.18	251.85	15.724		
10,700.00	6,840.00	10,820.92	6,840.00	130.11	134.03	89.99	2,362.72	-5,480.28	3,959.98	3,702.93	257.06	15.405		
10,800.00	6,840.00	10,920.92	6,840.00	132.66	136.54	89.99	2,363.15	-5,580.28	3,959.93	3,697.66	262.27	15.099		
10,900.00	6,840.00	11,020.92	6,840.00	135.21	139.06	89.99	2,363.59	-5,680.27	3,959.89	3,692.39	267.50	14.804		
11,000.00	6,840.00	11,120.92	6,840.00	137.77	141.59	89.99	2,364.03	-5,780.27	3,959.84	3,687.11	272.73	14.519		
11,100.00	6,840.00	11,220.92	6,840.00	140.34	144.12	89.99	2,364.47	-5,880.27	3,959.79	3,681.82	277.97	14.245		
11,200.00	6,840.00	11,320.92	6,840.00	142.91	146.66	89.99	2,364.90	-5,980.27	3,959.74	3,676.52	283.22	13.981		
11,300.00	6,840.00	11,420.92	6,840.00	145.49	149.21	89.99	2,365.34	-6,080.27	3,959.69	3,671.22	288.47	13.726		
11,400.00	6,840.00	11,520.92	6,840.00	148.07	151.76	89.99	2,365.78	-6,180.27	3,959.64	3,665.91	293.74	13.480		
11,500.00	6,840.00	11,620.92	6,840.00	150.66	154.32	89.99	2,366.22	-6,280.27	3,959.59	3,660.59	299.00	13.243		
11,600.00	6,840.00	11,720.92	6,840.00	153.25	156.89	89.99	2,366.65	-6,380.27	3,959.55	3,655.27	304.28	13.013		
11,700.00	6,840.00	11,820.92	6,840.00	155.85	159.46	89.99	2,367.09	-6,480.27	3,959.50	3,649.94	309.56	12.791		
11,800.00	6,840.00	11,920.92	6,840.00	158.45	162.03	89.99	2,367.53	-6,580.27	3,959.45	3,644.60	314.85	12.576		
11,900.00	6,840.00	12,020.92	6,840.00	161.06	164.61	89.99	2,367.97	-6,680.27	3,959.40	3,639.26	320.14	12.368		
12,000.00	6,840.00	12,120.92	6,840.00	163.67	167.20	89.99	2,368.40	-6,780.26	3,959.35	3,633.92	325.43	12.166		
12,100.00	6,840.00	12,220.92	6,840.00	166.28	169.79	89.99	2,368.84	-6,880.26	3,959.30	3,628.57	330.73	11.971		
12,200.00	6,840.00	12,320.92	6,840.00	168.90	172.38	89.99	2,369.28	-6,980.26	3,959.26	3,623.22	336.04	11.782		
12,300.00	6,840.00	12,420.92	6,840.00	171.52	174.98	89.99	2,369.72	-7,080.26	3,959.21	3,617.86	341.35	11.599		
12,400.00	6,840.00	12,520.92	6,840.00	174.15	177.58	89.99	2,370.15	-7,180.26	3,959.16	3,612.50	346.66	11.421		
12,500.00	6,840.00	12,620.92	6,840.00	176.77	180.19	89.99	2,370.59	-7,280.26	3,959.11	3,607.13	351.98	11.248		
12,600.00	6,840.00	12,720.92	6,840.00	179.40	182.79	89.99	2,371.03	-7,380.26	3,959.06	3,601.76	357.30	11.081		
12,700.00	6,840.00	12,820.92	6,840.00	182.04	185.41	89.99	2,371.47	-7,480.26	3,959.01	3,596.39	362.62	10.918		
12,800.00	6,840.00	12,920.92	6,840.00	184.67	188.02	89.99	2,371.90	-7,580.26	3,958.96	3,591.02	367.95	10.760		
12,900.00	6,840.00	13,020.92	6,840.00	187.31	190.64	89.99	2,372.34	-7,680.26	3,958.92	3,585.64	373.28	10.606		
13,000.00	6,840.00	13,120.92	6,840.00	189.95	193.26	89.99	2,372.78	-7,780.25	3,958.87	3,580.25	378.61	10.456		
13,100.00	6,840.00	13,220.92	6,840.00	192.59	195.88	89.99	2,373.22	-7,880.25	3,958.82	3,574.87	383.95	10.311		
13,200.00	6,840.00	13,320.92	6,840.00	195.24	198.51	89.99	2,373.65	-7,980.25	3,958.77	3,569.48	389.29	10.169		
13,300.00	6,840.00	13,420.92	6,840.00	197.88	201.14	89.99	2,374.09	-8,080.25	3,958.72	3,564.09	394.63	10.031		
13,400.00	6,840.00	13,520.92	6,840.00	200.53	203.77	89.99	2,374.53	-8,180.25	3,958.67	3,558.70	399.98	9.897		
13,500.00	6,840.00	13,620.92	6,840.00	203.18	206.41	89.99	2,374.96	-8,280.25	3,958.62	3,553.30	405.33	9.767		
13,600.00	6,840.00	13,720.92	6,840.00	205.83	209.04	89.99	2,375.40	-8,380.25	3,958.58	3,547.90	410.68	9.639		
13,700.00	6,840.00	13,820.92	6,840.00	208.49	211.68	89.99	2,375.84	-8,480.25	3,958.53	3,542.50	416.03	9.515		
13,800.00	6,840.00	13,920.92	6,840.00	211.14	214.32	89.99	2,376.28	-8,580.25	3,958.48	3,537.10	421.38	9.394		
13,900.00	6,840.00	14,020.92	6,840.00	213.80	216.96	89.99	2,376.71	-8,680.25	3,958.43	3,531.69	426.74	9.276		
14,000.00	6,840.00	14,120.92	6,840.00	216.46	219.61	89.99	2,377.15	-8,780.25	3,958.38	3,526.28	432.10	9.161		
14,100.00	6,840.00	14,220.92	6,840.00	219.12	222.26	89.99	2,377.59	-8,880.24	3,958.33	3,520.87	437.46	9.048		
14,200.00	6,840.00	14,320.92	6,840.00	221.78	224.90	89.99	2,378.03	-8,980.24	3,958.29	3,515.46	442.82	8.939		
14,300.00	6,840.00	14,420.92	6,840.00	224.45	227.55	89.99	2,378.46	-9,080.24	3,958.24	3,510.05	448.19	8.832		
14,400.00	6,840.00	14,520.92	6,840.00	227.11	230.21	89.99	2,378.90	-9,180.24	3,958.19	3,504.64	453.55	8.727		
14,500.00	6,840.00	14,620.92	6,840.00	229.78	232.86	89.99	2,379.34	-9,280.24	3,958.14	3,499.22	458.92	8.625		
14,600.00	6,840.00	14,720.92	6,840.00	232.45	235.51	89.99	2,379.78	-9,380.24	3,958.09	3,493.80	464.29	8.525		
14,700.00	6,840.00	14,820.92	6,840.00	235.12	238.17	89.99	2,380.21	-9,480.24	3,958.04	3,488.38	469.66	8.427		
14,800.00	6,840.00	14,920.92	6,840.00	237.79	240.83	89.99	2,380.65	-9,580.24	3,957.99	3,482.96	475.04	8.332		
14,900.00	6,840.00	15,020.92	6,840.00	240.46	243.49	89.99	2,381.09	-9,680.24	3,957.95	3,477.54	480.41	8.239		
15,000.00	6,840.00	15,120.92	6,840.00	243.13	246.15	89.99	2,381.53	-9,780.24	3,957.90	3,472.11	485.79	8.147		
15,100.00	6,840.00	15,220.92	6,840.00	245.80	248.81	89.99	2,381.96	-9,880.23	3,957.85	3,466.69	491.16	8.058		
15,200.00	6,840.00	15,320.92	6,840.00	248.48	251.47	89.99	2,382.40	-9,980.23	3,957.80	3,461.26	496.54	7.971		
15,300.00	6,840.00	15,420.92	6,840.00	251.15	254.14	89.99	2,382.84	-10,080.23	3,957.75	3,455.83	501.92	7.885		
15,400.00	6,840.00	15,520.92	6,840.00	253.83	256.80	89.99	2,383.28	-10,180.23	3,957.70	3,450.40	507.30	7.801		
15,500.00	6,840.00	15,620.92	6,840.00	256.51	259.47	89.99	2,383.71	-10,280.23	3,957.66	3,444.97	512.69	7.719		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-03 - 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		
15,600.00	6,840.00	15,720.92	6,840.00	259.19	262.14	89.99	2,384.15	-10,380.23	3,957.61	3,439.54	518.07	7.639		
15,700.00	6,840.00	15,820.92	6,840.00	261.87	264.81	89.99	2,384.59	-10,480.23	3,957.56	3,434.11	523.45	7.560		
15,800.00	6,840.00	15,920.92	6,840.00	264.55	267.48	89.99	2,385.03	-10,580.23	3,957.51	3,428.67	528.84	7.483		
15,900.00	6,840.00	16,020.92	6,840.00	267.23	270.15	89.99	2,385.46	-10,680.23	3,957.46	3,423.24	534.23	7.408		
16,000.00	6,840.00	16,120.92	6,840.00	269.91	272.82	89.99	2,385.90	-10,780.23	3,957.41	3,417.80	539.61	7.334		
16,100.00	6,840.00	16,220.92	6,840.00	272.59	275.49	89.99	2,386.34	-10,880.22	3,957.36	3,412.36	545.00	7.261		
16,200.00	6,840.00	16,320.92	6,840.00	275.28	278.17	89.99	2,386.78	-10,980.22	3,957.32	3,406.92	550.39	7.190		
16,300.00	6,840.00	16,420.92	6,840.00	277.96	280.84	89.99	2,387.21	-11,080.22	3,957.27	3,401.48	555.78	7.120		
16,400.00	6,840.00	16,520.92	6,840.00	280.64	283.52	89.99	2,387.65	-11,180.22	3,957.22	3,396.04	561.18	7.052		
16,500.00	6,840.00	16,620.92	6,840.00	283.33	286.20	89.99	2,388.09	-11,280.22	3,957.17	3,390.60	566.57	6.984		
16,600.00	6,840.00	16,720.92	6,840.00	286.02	288.87	89.99	2,388.53	-11,380.22	3,957.12	3,385.16	571.96	6.918		
16,700.00	6,840.00	16,820.92	6,840.00	288.70	291.55	89.99	2,388.96	-11,480.22	3,957.07	3,379.72	577.36	6.854		
16,800.00	6,840.00	16,920.92	6,840.00	291.39	294.23	89.99	2,389.40	-11,580.22	3,957.03	3,374.27	582.75	6.790		
16,900.00	6,840.00	17,020.92	6,840.00	294.08	296.91	89.99	2,389.84	-11,680.22	3,956.98	3,368.83	588.15	6.728		
17,000.00	6,840.00	17,120.92	6,840.00	296.77	299.59	89.99	2,390.28	-11,780.22	3,956.93	3,363.38	593.55	6.667		
17,100.00	6,840.00	17,220.92	6,840.00	299.46	302.27	89.99	2,390.71	-11,880.22	3,956.88	3,357.94	598.95	6.606		
17,200.00	6,840.00	17,320.92	6,840.00	302.14	304.96	89.99	2,391.15	-11,980.21	3,956.83	3,352.49	604.34	6.547		
17,300.00	6,840.00	17,420.92	6,840.00	304.84	307.64	89.99	2,391.59	-12,080.21	3,956.78	3,347.04	609.74	6.489		
17,400.00	6,840.00	17,520.92	6,840.00	307.53	310.32	89.99	2,392.03	-12,180.21	3,956.73	3,341.59	615.14	6.432		
17,500.00	6,840.00	17,620.92	6,840.00	310.22	313.01	89.99	2,392.46	-12,280.21	3,956.69	3,336.14	620.54	6.376		
17,600.00	6,840.00	17,720.92	6,840.00	312.91	315.69	89.99	2,392.90	-12,380.21	3,956.64	3,330.69	625.95	6.321		
17,700.00	6,840.00	17,820.92	6,840.00	315.60	318.38	89.99	2,393.34	-12,480.21	3,956.59	3,325.24	631.35	6.267		
17,800.00	6,840.00	17,920.92	6,840.00	318.29	321.06	89.99	2,393.78	-12,580.21	3,956.54	3,319.79	636.75	6.214		
17,900.00	6,840.00	18,020.92	6,840.00	320.99	323.75	89.99	2,394.21	-12,680.21	3,956.49	3,314.34	642.15	6.161		
18,000.00	6,840.00	18,120.92	6,840.00	323.68	326.44	89.99	2,394.65	-12,780.21	3,956.44	3,308.89	647.56	6.110		
18,100.00	6,840.00	18,220.92	6,840.00	326.38	329.12	89.99	2,395.09	-12,880.21	3,956.40	3,303.43	652.96	6.059		
18,200.00	6,840.00	18,320.92	6,840.00	329.07	331.81	89.99	2,395.52	-12,980.20	3,956.35	3,297.98	658.37	6.009		
18,300.00	6,840.00	18,420.92	6,840.00	331.77	334.50	89.99	2,395.96	-13,080.20	3,956.30	3,292.53	663.77	5.960		
18,400.00	6,840.00	18,520.92	6,840.00	334.46	337.19	89.99	2,396.40	-13,180.20	3,956.25	3,287.07	669.18	5.912		
18,500.00	6,840.00	18,620.92	6,840.00	337.16	339.88	89.99	2,396.84	-13,280.20	3,956.20	3,281.62	674.59	5.865		
18,600.00	6,840.00	18,720.92	6,840.00	339.85	342.57	89.99	2,397.27	-13,380.20	3,956.15	3,276.16	679.99	5.818		
18,700.00	6,840.00	18,820.92	6,840.00	342.55	345.26	89.99	2,397.71	-13,480.20	3,956.10	3,270.70	685.40	5.772		
18,800.00	6,840.00	18,920.92	6,840.00	345.25	347.95	89.99	2,398.15	-13,580.20	3,956.06	3,265.25	690.81	5.727		
18,900.00	6,840.00	19,020.92	6,840.00	347.94	350.64	89.99	2,398.59	-13,680.20	3,956.01	3,259.79	696.22	5.682		
19,000.00	6,840.00	19,120.92	6,840.00	350.64	353.33	89.99	2,399.02	-13,780.20	3,955.96	3,254.33	701.63	5.638		
19,100.00	6,840.00	19,220.92	6,840.00	353.34	356.03	89.99	2,399.46	-13,880.20	3,955.91	3,248.87	707.04	5.595		
19,200.00	6,840.00	19,320.92	6,840.00	356.04	358.72	89.99	2,399.90	-13,980.19	3,955.86	3,243.42	712.45	5.552		
19,300.00	6,840.00	19,420.92	6,840.00	358.74	361.41	89.99	2,400.34	-14,080.19	3,955.81	3,237.96	717.86	5.511		
19,400.00	6,840.00	19,520.92	6,840.00	361.44	364.11	89.99	2,400.77	-14,180.19	3,955.77	3,232.50	723.27	5.469		
19,500.00	6,840.00	19,620.92	6,840.00	364.13	366.80	89.99	2,401.21	-14,280.19	3,955.72	3,227.04	728.68	5.429		
19,600.00	6,840.00	19,720.92	6,840.00	366.83	369.50	89.99	2,401.65	-14,380.19	3,955.67	3,221.58	734.09	5.389		
19,700.00	6,840.00	19,820.92	6,840.00	369.53	372.19	89.99	2,402.09	-14,480.19	3,955.62	3,216.12	739.50	5.349		
19,800.00	6,840.00	19,920.92	6,840.00	372.23	374.89	89.99	2,402.52	-14,580.19	3,955.57	3,210.65	744.92	5.310		
19,900.00	6,840.00	20,020.92	6,840.00	374.94	377.58	89.99	2,402.96	-14,680.19	3,955.52	3,205.19	750.33	5.272		
20,000.00	6,840.00	20,120.92	6,840.00	377.64	380.28	89.99	2,403.40	-14,780.19	3,955.47	3,199.73	755.74	5.234		
20,100.00	6,840.00	20,220.92	6,840.00	380.34	382.97	89.99	2,403.84	-14,880.19	3,955.43	3,194.27	761.16	5.197		
20,200.00	6,840.00	20,320.92	6,840.00	383.04	385.67	89.99	2,404.27	-14,980.19	3,955.38	3,188.81	766.57	5.160		
20,300.00	6,840.00	20,420.92	6,840.00	385.74	388.37	89.99	2,404.71	-15,080.18	3,955.33	3,183.34	771.99	5.124		
20,400.00	6,840.00	20,520.92	6,840.00	388.44	391.06	89.99	2,405.15	-15,180.18	3,955.28	3,177.88	777.40	5.088		
20,500.00	6,840.00	20,620.92	6,840.00	391.14	393.76	89.99	2,405.59	-15,280.18	3,955.23	3,172.42	782.82	5.053		
20,552.28	6,840.00	20,673.19	6,840.00	392.56	395.17	89.99	2,405.81	-15,332.46	3,955.21	3,169.56	785.65	5.034 SF		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-04 - 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	0.06	247.36	0.28	247.36					
100.00	100.00	101.00	101.00	0.13	0.14	0.06	247.36	0.28	247.36	247.09	0.27	907.957		
200.00	200.00	201.00	201.00	0.49	0.50	0.06	247.36	0.28	247.36	246.37	0.99	250.017		
300.00	300.00	301.00	301.00	0.85	0.85	0.06	247.36	0.28	247.36	245.66	1.71	144.968 CC, ES		
400.00	399.98	400.98	400.98	1.20	1.21	128.42	247.36	0.28	248.44	246.03	2.41	103.030		
500.00	499.84	495.47	495.45	1.55	1.55	128.95	248.40	-0.93	252.80	249.70	3.10	81.609		
600.00	599.45	589.69	589.55	1.91	1.89	129.43	251.46	-4.48	261.48	257.68	3.80	68.851		
700.00	698.70	683.32	682.85	2.29	2.23	129.83	256.50	-10.33	274.45	269.93	4.51	60.812		
800.00	797.47	776.12	775.04	2.70	2.58	130.13	263.45	-18.40	291.65	286.41	5.25	55.592		
900.00	895.62	867.86	865.78	3.14	2.94	130.32	272.24	-28.60	313.04	307.04	6.00	52.161		
1,000.00	993.06	958.32	954.79	3.62	3.32	130.41	282.76	-40.81	338.51	331.73	6.78	49.916		
1,100.00	1,089.64	1,047.30	1,041.80	4.14	3.72	130.40	294.88	-54.89	367.99	360.40	7.59	48.480		
1,200.00	1,185.27	1,134.61	1,126.58	4.70	4.14	130.28	308.49	-70.70	401.37	392.94	8.43	47.618		
1,300.00	1,279.82	1,220.09	1,208.93	5.31	4.58	130.07	323.44	-88.05	438.54	429.23	9.30	47.146		
1,400.00	1,373.17	1,303.59	1,288.68	5.98	5.03	129.78	339.59	-106.80	479.37	469.16	10.21	46.969		
1,500.00	1,465.22	1,384.99	1,365.70	6.70	5.52	129.49	356.79	-126.77	523.73	512.57	11.15	46.953		
1,600.00	1,556.72	1,464.79	1,440.45	7.45	6.03	129.72	375.02	-147.94	570.33	558.22	12.12	47.064		
1,700.00	1,648.21	1,543.31	1,513.20	8.21	6.56	129.72	394.28	-170.30	618.32	605.22	13.10	47.193		
1,800.00	1,739.71	1,620.45	1,583.87	8.99	7.11	129.56	414.47	-193.74	667.66	653.56	14.10	47.356		
1,900.00	1,831.20	1,702.40	1,658.19	9.77	7.74	129.26	437.01	-219.91	718.10	702.92	15.19	47.289		
2,000.00	1,922.69	1,788.61	1,736.28	10.56	8.41	128.98	460.83	-247.57	768.68	752.33	16.35	47.024		
2,100.00	2,014.19	1,874.82	1,814.38	11.35	9.10	128.73	484.66	-275.23	819.27	801.75	17.52	46.758		
2,200.00	2,105.68	1,961.03	1,892.48	12.14	9.80	128.51	508.48	-302.88	869.86	851.16	18.71	46.498		
2,300.00	2,197.18	2,047.24	1,970.58	12.94	10.50	128.31	532.30	-330.54	920.47	900.57	19.90	46.248		
2,400.00	2,288.67	2,133.45	2,048.68	13.74	11.21	128.14	556.12	-358.20	971.08	949.98	21.11	46.010		
2,500.00	2,380.17	2,219.66	2,126.78	14.54	11.92	127.98	579.95	-385.86	1,021.70	999.39	22.32	45.785		
2,600.00	2,471.66	2,305.87	2,204.88	15.35	12.64	127.84	603.77	-413.52	1,072.33	1,048.80	23.53	45.573		
2,700.00	2,563.16	2,407.92	2,282.98	16.15	13.49	127.71	627.59	-441.18	1,122.96	1,098.09	24.87	45.161		
2,800.00	2,654.65	2,478.29	2,361.08	16.96	14.08	127.59	651.42	-468.84	1,173.59	1,147.62	25.97	45.183		
2,900.00	2,746.15	2,564.50	2,439.17	17.76	14.81	127.48	675.24	-496.50	1,224.23	1,197.03	27.20	45.006		
3,000.00	2,837.64	2,650.71	2,517.27	18.57	15.53	127.38	699.06	-524.16	1,274.87	1,246.44	28.43	44.840		
3,100.00	2,929.14	2,736.91	2,595.37	19.38	16.26	127.29	722.89	-551.82	1,325.51	1,295.85	29.66	44.683		
3,200.00	3,020.63	2,823.12	2,673.47	20.19	16.99	127.20	746.71	-579.48	1,376.16	1,345.26	30.90	44.536		
3,300.00	3,112.13	2,909.33	2,751.57	21.00	17.72	127.12	770.53	-607.14	1,426.80	1,394.67	32.14	44.397		
3,400.00	3,203.62	3,004.46	2,829.67	21.81	18.53	127.05	794.36	-634.80	1,477.45	1,444.01	33.44	44.179		
3,500.00	3,295.12	3,081.75	2,907.77	22.63	19.19	126.98	818.18	-662.46	1,528.10	1,493.49	34.62	44.143		
3,600.00	3,386.61	3,167.96	2,985.87	23.44	19.92	126.91	842.00	-690.12	1,578.75	1,542.90	35.86	44.026		
3,700.00	3,478.10	3,254.17	3,063.97	24.25	20.66	126.85	865.83	-717.78	1,629.41	1,592.31	37.10	43.915		
3,800.00	3,569.60	3,340.38	3,142.06	25.06	21.40	126.79	889.65	-745.44	1,680.06	1,641.72	38.35	43.811		
3,900.00	3,661.09	3,426.59	3,220.16	25.88	22.13	126.74	913.47	-773.10	1,730.72	1,691.13	39.59	43.711		
4,000.00	3,752.59	3,512.80	3,298.26	26.69	22.87	126.69	937.30	-800.76	1,781.38	1,740.54	40.84	43.617		
4,100.00	3,844.08	3,599.01	3,376.36	27.50	23.61	126.64	961.12	-828.42	1,832.04	1,789.95	42.09	43.527		
4,200.00	3,935.58	3,685.22	3,454.46	28.32	24.35	126.59	984.94	-856.08	1,882.69	1,839.36	43.34	43.442		
4,300.00	4,027.07	3,771.43	3,532.56	29.13	25.09	126.55	1,008.77	-883.74	1,933.35	1,888.77	44.59	43.360		
4,400.00	4,118.57	3,857.63	3,610.66	29.95	25.82	126.51	1,032.59	-911.39	1,984.01	1,938.18	45.84	43.283		
4,500.00	4,210.06	3,943.84	3,688.76	30.76	26.56	126.47	1,056.41	-939.05	2,034.68	1,987.59	47.09	43.208		
4,600.00	4,301.56	4,030.05	3,766.86	31.58	27.30	126.43	1,080.24	-966.71	2,085.34	2,037.00	48.34	43.137		
4,700.00	4,393.05	4,116.26	3,844.95	32.39	28.04	126.40	1,104.06	-994.37	2,136.00	2,086.41	49.59	43.069		
4,800.00	4,484.55	4,202.47	3,923.05	33.21	28.78	126.37	1,127.88	-1,022.03	2,186.66	2,135.82	50.85	43.004		
4,900.00	4,576.04	4,288.68	4,001.15	34.02	29.52	126.33	1,151.71	-1,049.69	2,237.33	2,185.23	52.10	42.942		
5,000.00	4,667.54	4,374.89	4,079.25	34.84	30.27	126.30	1,175.53	-1,077.35	2,287.99	2,234.64	53.36	42.882		
5,100.00	4,759.03	4,461.10	4,157.35	35.65	31.01	126.27	1,199.35	-1,105.01	2,338.66	2,284.05	54.61	42.825		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-04 - 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	4,850.53	4,547.31	4,235.45	36.47	31.75	126.25	1,223.18	-1,132.67	2,389.32	2,333.46	55.87	42.769		
5,300.00	4,942.02	4,633.52	4,313.55	37.28	32.49	126.22	1,247.00	-1,160.33	2,439.99	2,382.87	57.12	42.716		
5,400.00	5,033.51	4,719.73	4,391.65	38.10	33.23	126.19	1,270.82	-1,187.99	2,490.65	2,432.28	58.38	42.665		
5,500.00	5,125.01	4,805.94	4,469.75	38.92	33.97	126.17	1,294.65	-1,215.65	2,541.32	2,481.69	59.63	42.616		
5,600.00	5,216.50	4,907.85	4,547.84	39.73	34.85	126.14	1,318.47	-1,243.31	2,591.99	2,530.98	61.01	42.487		
5,700.00	5,308.00	4,978.36	4,625.94	40.55	35.46	126.12	1,342.29	-1,270.97	2,642.65	2,580.51	62.15	42.522		
5,800.00	5,399.49	5,064.56	4,704.04	41.36	36.20	126.10	1,366.12	-1,298.63	2,693.32	2,629.92	63.41	42.478		
5,900.00	5,490.99	5,150.77	4,782.14	42.18	36.94	126.08	1,389.94	-1,326.29	2,743.99	2,679.33	64.66	42.435		
6,000.00	5,582.48	5,236.98	4,860.24	43.00	37.69	126.06	1,413.76	-1,353.93	2,794.66	2,728.74	65.92	42.393		
6,100.00	5,673.98	5,323.19	4,938.34	43.81	38.43	126.04	1,437.59	-1,381.61	2,845.33	2,778.15	67.18	42.353		
6,200.00	5,765.47	5,409.40	5,016.44	44.63	39.17	126.02	1,461.41	-1,409.27	2,895.99	2,827.55	68.44	42.314		
6,300.00	5,856.97	5,495.61	5,094.54	45.45	39.91	126.00	1,485.23	-1,436.93	2,946.66	2,876.96	69.70	42.277		
6,400.00	5,948.46	5,581.82	5,172.64	46.26	40.66	125.98	1,509.06	-1,464.59	2,997.33	2,926.37	70.96	42.240		
6,500.00	6,039.96	5,668.03	5,250.73	47.08	41.40	125.96	1,532.88	-1,492.25	3,048.00	2,975.78	72.22	42.205		
6,600.00	6,131.45	5,754.24	5,328.83	47.90	42.14	125.95	1,556.70	-1,519.91	3,098.67	3,025.19	73.48	42.170		
6,700.00	6,222.95	5,840.45	5,406.93	48.71	42.89	125.93	1,580.53	-1,547.56	3,149.34	3,074.60	74.74	42.137		
6,800.00	6,314.44	5,926.66	5,485.03	49.53	43.63	125.92	1,604.35	-1,575.22	3,200.01	3,124.01	76.00	42.105		
6,900.00	6,405.93	6,012.87	5,563.13	50.35	44.38	125.90	1,628.17	-1,602.88	3,250.68	3,173.42	77.26	42.073		
7,000.00	6,497.01	6,100.88	5,641.27	51.18	45.13	118.65	1,652.01	-1,630.56	3,301.24	3,222.68	78.56	42.024		
7,100.00	6,582.62	6,184.99	5,719.06	52.20	45.86	104.73	1,675.74	-1,658.11	3,350.14	3,270.13	80.02	41.869		
7,200.00	6,659.25	6,268.15	5,794.40	53.42	46.58	95.30	1,698.72	-1,684.79	3,395.93	3,314.23	81.70	41.565		
7,300.00	6,724.59	6,346.08	5,864.99	54.84	47.25	88.64	1,720.25	-1,709.79	3,437.66	3,354.10	83.56	41.140		
7,400.00	6,776.64	6,416.39	5,928.70	56.40	47.86	83.85	1,739.69	-1,732.35	3,474.64	3,389.10	85.54	40.620		
7,500.00	6,813.82	6,476.97	5,983.57	58.08	48.38	80.46	1,756.42	-1,751.79	3,506.45	3,418.87	87.58	40.038		
7,600.00	6,835.01	6,525.96	6,027.95	59.82	48.80	77.13	1,769.96	-1,767.51	3,532.80	3,443.20	89.60	39.427		
7,700.00	6,840.00	6,562.25	6,060.83	61.57	49.12	78.06	1,779.99	-1,779.15	3,553.75	3,462.21	91.54	38.821		
7,800.00	6,840.00	6,594.47	6,090.01	63.35	49.39	77.56	1,788.89	-1,789.49	3,574.71	3,481.25	93.45	38.252		
7,900.00	6,840.00	6,626.68	6,119.20	65.20	49.67	78.06	1,797.80	-1,799.82	3,598.03	3,502.66	95.37	37.728		
8,000.00	6,840.00	6,658.90	6,148.39	67.10	49.95	78.56	1,806.70	-1,810.16	3,623.68	3,526.39	97.28	37.248		
8,100.00	6,840.00	8,140.53	6,840.00	69.05	71.72	89.98	2,021.29	-2,881.74	3,631.18	3,503.31	127.87	28.397		
8,200.00	6,840.00	8,240.53	6,840.00	71.06	73.74	89.98	2,021.72	-2,981.74	3,631.13	3,498.76	132.37	27.431		
8,300.00	6,840.00	8,340.53	6,840.00	73.11	75.80	89.98	2,022.16	-3,081.74	3,631.09	3,494.15	136.94	26.516		
8,400.00	6,840.00	8,440.53	6,840.00	75.21	77.91	89.98	2,022.60	-3,181.74	3,631.04	3,489.47	141.57	25.649		
8,500.00	6,840.00	8,540.53	6,840.00	77.34	80.05	89.98	2,023.04	-3,281.74	3,630.99	3,484.74	146.25	24.827		
8,600.00	6,840.00	8,640.53	6,840.00	79.51	82.23	89.98	2,023.47	-3,381.74	3,630.94	3,479.95	150.99	24.048		
8,700.00	6,840.00	8,740.53	6,840.00	81.72	84.44	89.98	2,023.91	-3,481.74	3,630.89	3,475.12	155.77	23.309		
8,800.00	6,840.00	8,840.53	6,840.00	83.95	86.68	89.98	2,024.35	-3,581.74	3,630.84	3,470.25	160.59	22.609		
8,900.00	6,840.00	8,940.53	6,840.00	86.22	88.94	89.98	2,024.79	-3,681.74	3,630.79	3,465.34	165.46	21.944		
9,000.00	6,840.00	9,040.53	6,840.00	88.51	91.23	89.98	2,025.22	-3,781.74	3,630.75	3,460.39	170.35	21.313		
9,100.00	6,840.00	9,140.53	6,840.00	90.83	93.54	89.98	2,025.66	-3,881.74	3,630.70	3,455.42	175.28	20.714		
9,200.00	6,840.00	9,240.53	6,840.00	93.16	95.88	89.98	2,026.10	-3,981.73	3,630.65	3,450.41	180.24	20.143		
9,300.00	6,840.00	9,340.53	6,840.00	95.52	98.24	89.98	2,026.54	-4,081.73	3,630.60	3,445.38	185.22	19.601		
9,400.00	6,840.00	9,440.53	6,840.00	97.90	100.61	89.98	2,026.97	-4,181.73	3,630.55	3,440.32	190.24	19.085		
9,500.00	6,840.00	9,540.53	6,840.00	100.30	103.00	89.98	2,027.41	-4,281.73	3,630.50	3,435.24	195.27	18.592		
9,600.00	6,840.00	9,640.53	6,840.00	102.72	105.41	89.98	2,027.85	-4,381.73	3,630.46	3,430.13	200.32	18.123		
9,700.00	6,840.00	9,740.53	6,840.00	105.15	107.84	89.98	2,028.29	-4,481.73	3,630.41	3,425.01	205.40	17.675		
9,800.00	6,840.00	9,840.53	6,840.00	107.59	110.28	89.98	2,028.72	-4,581.73	3,630.36	3,419.87	210.49	17.247		
9,900.00	6,840.00	9,940.53	6,840.00	110.05	112.73	89.98	2,029.16	-4,681.73	3,630.31	3,414.71	215.60	16.838		
10,000.00	6,840.00	10,040.53	6,840.00	112.52	115.19	89.98	2,029.60	-4,781.73	3,630.26	3,409.54	220.72	16.447		
10,100.00	6,840.00	10,140.53	6,840.00	115.00	117.67	89.98	2,030.04	-4,881.73	3,630.21	3,404.35	225.86	16.073		
10,200.00	6,840.00	10,240.52	6,840.00	117.50	120.16	89.98	2,030.47	-4,981.72	3,630.16	3,399.15	231.02	15.714		
10,300.00	6,840.00	10,340.52	6,840.00	120.00	122.65	89.98	2,030.91	-5,081.72	3,630.12	3,393.93	236.18	15.370		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-04 - 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		
10,400.00	6,840.00	10,440.52	6,840.00	122.51	125.16	89.98	2,031.35	-5,181.72	3,630.07	3,388.71	241.36	15.040		
10,500.00	6,840.00	10,540.52	6,840.00	125.04	127.68	89.98	2,031.79	-5,281.72	3,630.02	3,383.47	246.55	14.723		
10,600.00	6,840.00	10,640.52	6,840.00	127.57	130.20	89.98	2,032.22	-5,381.72	3,629.97	3,378.22	251.75	14.419		
10,700.00	6,840.00	10,740.52	6,840.00	130.11	132.73	89.98	2,032.66	-5,481.72	3,629.92	3,372.96	256.96	14.126		
10,800.00	6,840.00	10,840.52	6,840.00	132.66	135.27	89.98	2,033.10	-5,581.72	3,629.87	3,367.69	262.18	13.845		
10,900.00	6,840.00	10,940.52	6,840.00	135.21	137.82	89.98	2,033.54	-5,681.72	3,629.83	3,362.42	267.41	13.574		
11,000.00	6,840.00	11,040.52	6,840.00	137.77	140.37	89.98	2,033.97	-5,781.72	3,629.78	3,357.13	272.65	13.313		
11,100.00	6,840.00	11,140.52	6,840.00	140.34	142.93	89.98	2,034.41	-5,881.72	3,629.73	3,351.84	277.89	13.062		
11,200.00	6,840.00	11,240.52	6,840.00	142.91	145.50	89.98	2,034.85	-5,981.71	3,629.68	3,346.54	283.14	12.819		
11,300.00	6,840.00	11,340.52	6,840.00	145.49	148.07	89.98	2,035.29	-6,081.71	3,629.63	3,341.23	288.40	12.585		
11,400.00	6,840.00	11,440.52	6,840.00	148.07	150.65	89.98	2,035.72	-6,181.71	3,629.58	3,335.92	293.67	12.360		
11,500.00	6,840.00	11,540.52	6,840.00	150.66	153.23	89.98	2,036.16	-6,281.71	3,629.54	3,330.60	298.94	12.141		
11,600.00	6,840.00	11,640.52	6,840.00	153.25	155.82	89.98	2,036.60	-6,381.71	3,629.49	3,325.27	304.22	11.931		
11,700.00	6,840.00	11,740.52	6,840.00	155.85	158.41	89.98	2,037.04	-6,481.71	3,629.44	3,319.94	309.50	11.727		
11,800.00	6,840.00	11,840.52	6,840.00	158.45	161.01	89.98	2,037.47	-6,581.71	3,629.39	3,314.60	314.79	11.530		
11,900.00	6,840.00	11,940.52	6,840.00	161.06	163.61	89.98	2,037.91	-6,681.71	3,629.34	3,309.26	320.08	11.339		
12,000.00	6,840.00	12,040.52	6,840.00	163.67	166.21	89.98	2,038.35	-6,781.71	3,629.29	3,303.91	325.38	11.154		
12,100.00	6,840.00	12,140.52	6,840.00	166.28	168.82	89.98	2,038.78	-6,881.71	3,629.24	3,298.56	330.68	10.975		
12,200.00	6,840.00	12,240.52	6,840.00	168.90	171.43	89.98	2,039.22	-6,981.71	3,629.20	3,293.21	335.99	10.802		
12,300.00	6,840.00	12,340.52	6,840.00	171.52	174.05	89.98	2,039.66	-7,081.70	3,629.15	3,287.85	341.30	10.633		
12,400.00	6,840.00	12,440.52	6,840.00	174.15	176.67	89.98	2,040.10	-7,181.70	3,629.10	3,282.48	346.62	10.470		
12,500.00	6,840.00	12,540.52	6,840.00	176.77	179.29	89.98	2,040.53	-7,281.70	3,629.05	3,277.12	351.94	10.312		
12,600.00	6,840.00	12,640.52	6,840.00	179.40	181.91	89.98	2,040.97	-7,381.70	3,629.00	3,271.74	357.26	10.158		
12,700.00	6,840.00	12,740.52	6,840.00	182.04	184.54	89.98	2,041.41	-7,481.70	3,628.95	3,266.37	362.58	10.009		
12,800.00	6,840.00	12,840.52	6,840.00	184.67	187.17	89.98	2,041.85	-7,581.70	3,628.91	3,260.99	367.91	9.863		
12,900.00	6,840.00	12,940.52	6,840.00	187.31	189.80	89.98	2,042.28	-7,681.70	3,628.86	3,255.61	373.25	9.722		
13,000.00	6,840.00	13,040.52	6,840.00	189.95	192.44	89.98	2,042.72	-7,781.70	3,628.81	3,250.23	378.58	9.585		
13,100.00	6,840.00	13,140.52	6,840.00	192.59	195.08	89.98	2,043.16	-7,881.70	3,628.76	3,244.84	383.92	9.452		
13,200.00	6,840.00	13,240.52	6,840.00	195.24	197.72	89.98	2,043.60	-7,981.70	3,628.71	3,239.45	389.26	9.322		
13,300.00	6,840.00	13,340.52	6,840.00	197.88	200.36	89.98	2,044.03	-8,081.69	3,628.66	3,234.06	394.61	9.196		
13,400.00	6,840.00	13,440.52	6,840.00	200.53	203.00	89.98	2,044.47	-8,181.69	3,628.61	3,228.66	399.95	9.073		
13,500.00	6,840.00	13,540.52	6,840.00	203.18	205.65	89.98	2,044.91	-8,281.69	3,628.57	3,223.26	405.30	8.953		
13,600.00	6,840.00	13,640.52	6,840.00	205.83	208.30	89.98	2,045.35	-8,381.69	3,628.52	3,217.86	410.65	8.836		
13,700.00	6,840.00	13,740.52	6,840.00	208.49	210.95	89.98	2,045.78	-8,481.69	3,628.47	3,212.46	416.01	8.722		
13,800.00	6,840.00	13,840.52	6,840.00	211.14	213.60	89.98	2,046.22	-8,581.69	3,628.42	3,207.06	421.36	8.611		
13,900.00	6,840.00	13,940.52	6,840.00	213.80	216.25	89.98	2,046.66	-8,681.69	3,628.37	3,201.65	426.72	8.503		
14,000.00	6,840.00	14,040.52	6,840.00	216.46	218.91	89.98	2,047.10	-8,781.69	3,628.32	3,196.24	432.08	8.397		
14,100.00	6,840.00	14,140.52	6,840.00	219.12	221.57	89.98	2,047.53	-8,881.69	3,628.28	3,190.83	437.45	8.294		
14,200.00	6,840.00	14,240.52	6,840.00	221.78	224.22	89.98	2,047.97	-8,981.69	3,628.23	3,185.42	442.81	8.194		
14,300.00	6,840.00	14,340.52	6,840.00	224.45	226.88	89.98	2,048.41	-9,081.68	3,628.18	3,180.00	448.18	8.095		
14,400.00	6,840.00	14,440.52	6,840.00	227.11	229.55	89.98	2,048.85	-9,181.68	3,628.13	3,174.59	453.54	8.000		
14,500.00	6,840.00	14,540.52	6,840.00	229.78	232.21	89.98	2,049.28	-9,281.68	3,628.08	3,169.17	458.91	7.906		
14,600.00	6,840.00	14,640.52	6,840.00	232.45	234.87	89.98	2,049.72	-9,381.68	3,628.03	3,163.75	464.28	7.814		
14,700.00	6,840.00	14,740.52	6,840.00	235.12	237.54	89.98	2,050.16	-9,481.68	3,627.99	3,158.33	469.66	7.725		
14,800.00	6,840.00	14,840.52	6,840.00	237.79	240.21	89.98	2,050.60	-9,581.68	3,627.94	3,152.91	475.03	7.637		
14,900.00	6,840.00	14,940.52	6,840.00	240.46	242.87	89.98	2,051.03	-9,681.68	3,627.89	3,147.48	480.41	7.552		
15,000.00	6,840.00	15,040.52	6,840.00	243.13	245.54	89.98	2,051.47	-9,781.68	3,627.84	3,142.06	485.78	7.468		
15,100.00	6,840.00	15,140.52	6,840.00	245.80	248.21	89.98	2,051.91	-9,881.68	3,627.79	3,136.63	491.16	7.386		
15,200.00	6,840.00	15,240.52	6,840.00	248.48	250.88	89.98	2,052.35	-9,981.68	3,627.74	3,131.20	496.54	7.306		
15,300.00	6,840.00	15,340.52	6,840.00	251.15	253.56	89.98	2,052.78	-10,081.68	3,627.69	3,125.77	501.92	7.228		
15,400.00	6,840.00	15,440.52	6,840.00	253.83	256.23	89.98	2,053.22	-10,181.67	3,627.65	3,120.34	507.30	7.151		
15,500.00	6,840.00	15,540.52	6,840.00	256.51	258.90	89.98	2,053.66	-10,281.67	3,627.60	3,114.91	512.69	7.076		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-04 - 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		
15,600.00	6,840.00	15,640.52	6,840.00	259.19	261.58	89.98	2,054.10	-10,381.67	3,627.55	3,109.48	518.07	7.002		
15,700.00	6,840.00	15,740.52	6,840.00	261.87	264.26	89.98	2,054.53	-10,481.67	3,627.50	3,104.04	523.46	6.930		
15,800.00	6,840.00	15,840.52	6,840.00	264.55	266.93	89.98	2,054.97	-10,581.67	3,627.45	3,098.61	528.85	6.859		
15,900.00	6,840.00	15,940.52	6,840.00	267.23	269.61	89.98	2,055.41	-10,681.67	3,627.40	3,093.17	534.23	6.790		
16,000.00	6,840.00	16,040.52	6,840.00	269.91	272.29	89.98	2,055.85	-10,781.67	3,627.36	3,087.73	539.62	6.722		
16,100.00	6,840.00	16,140.52	6,840.00	272.59	274.97	89.98	2,056.28	-10,881.67	3,627.31	3,082.30	545.01	6.655		
16,200.00	6,840.00	16,240.52	6,840.00	275.28	277.65	89.98	2,056.72	-10,981.67	3,627.26	3,076.86	550.40	6.590		
16,300.00	6,840.00	16,340.52	6,840.00	277.96	280.33	89.98	2,057.16	-11,081.67	3,627.21	3,071.42	555.80	6.526		
16,400.00	6,840.00	16,440.52	6,840.00	280.64	283.01	89.98	2,057.60	-11,181.66	3,627.16	3,065.97	561.19	6.463		
16,500.00	6,840.00	16,540.52	6,840.00	283.33	285.70	89.98	2,058.03	-11,281.66	3,627.11	3,060.53	566.58	6.402		
16,600.00	6,840.00	16,640.52	6,840.00	286.02	288.38	89.98	2,058.47	-11,381.66	3,627.07	3,055.09	571.98	6.341		
16,700.00	6,840.00	16,740.52	6,840.00	288.70	291.07	89.98	2,058.91	-11,481.66	3,627.02	3,049.64	577.37	6.282		
16,800.00	6,840.00	16,840.52	6,840.00	291.39	293.75	89.98	2,059.35	-11,581.66	3,626.97	3,044.20	582.77	6.224		
16,900.00	6,840.00	16,940.52	6,840.00	294.08	296.44	89.98	2,059.78	-11,681.66	3,626.92	3,038.75	588.17	6.166		
17,000.00	6,840.00	17,040.52	6,840.00	296.77	299.12	89.98	2,060.22	-11,781.66	3,626.87	3,033.31	593.56	6.110		
17,100.00	6,840.00	17,140.52	6,840.00	299.46	301.81	89.98	2,060.66	-11,881.66	3,626.82	3,027.86	598.96	6.055		
17,200.00	6,840.00	17,240.52	6,840.00	302.14	304.50	89.98	2,061.10	-11,981.66	3,626.77	3,022.41	604.36	6.001		
17,300.00	6,840.00	17,340.52	6,840.00	304.84	307.18	89.98	2,061.53	-12,081.66	3,626.73	3,016.96	609.76	5.948		
17,400.00	6,840.00	17,440.52	6,840.00	307.53	309.87	89.98	2,061.97	-12,181.65	3,626.68	3,011.52	615.16	5.895		
17,500.00	6,840.00	17,540.52	6,840.00	310.22	312.56	89.98	2,062.41	-12,281.65	3,626.63	3,006.07	620.56	5.844		
17,600.00	6,840.00	17,640.52	6,840.00	312.91	315.25	89.98	2,062.85	-12,381.65	3,626.58	3,000.62	625.97	5.794		
17,700.00	6,840.00	17,740.52	6,840.00	315.60	317.94	89.98	2,063.28	-12,481.65	3,626.53	2,995.16	631.37	5.744		
17,800.00	6,840.00	17,840.52	6,840.00	318.29	320.63	89.98	2,063.72	-12,581.65	3,626.48	2,989.71	636.77	5.695		
17,900.00	6,840.00	17,940.52	6,840.00	320.99	323.32	89.98	2,064.16	-12,681.65	3,626.44	2,984.26	642.18	5.647		
18,000.00	6,840.00	18,040.52	6,840.00	323.68	326.02	89.98	2,064.60	-12,781.65	3,626.39	2,978.81	647.58	5.600		
18,100.00	6,840.00	18,140.52	6,840.00	326.38	328.71	89.98	2,065.03	-12,881.65	3,626.34	2,973.35	652.99	5.553		
18,200.00	6,840.00	18,240.52	6,840.00	329.07	331.40	89.98	2,065.47	-12,981.65	3,626.29	2,967.90	658.39	5.508		
18,300.00	6,840.00	18,340.52	6,840.00	331.77	334.09	89.98	2,065.91	-13,081.65	3,626.24	2,962.44	663.80	5.463		
18,400.00	6,840.00	18,440.52	6,840.00	334.46	336.79	89.98	2,066.35	-13,181.65	3,626.19	2,956.99	669.20	5.419		
18,500.00	6,840.00	18,540.52	6,840.00	337.16	339.48	89.98	2,066.78	-13,281.64	3,626.14	2,951.53	674.61	5.375		
18,600.00	6,840.00	18,640.52	6,840.00	339.85	342.17	89.98	2,067.22	-13,381.64	3,626.10	2,946.08	680.02	5.332		
18,700.00	6,840.00	18,740.52	6,840.00	342.55	344.87	89.98	2,067.66	-13,481.64	3,626.05	2,940.62	685.43	5.290		
18,800.00	6,840.00	18,840.52	6,840.00	345.25	347.56	89.98	2,068.10	-13,581.64	3,626.00	2,935.16	690.84	5.249		
18,900.00	6,840.00	18,940.52	6,840.00	347.94	350.26	89.98	2,068.53	-13,681.64	3,625.95	2,929.70	696.25	5.208		
19,000.00	6,840.00	19,040.52	6,840.00	350.64	352.96	89.98	2,068.97	-13,781.64	3,625.90	2,924.25	701.66	5.168		
19,100.00	6,840.00	19,140.52	6,840.00	353.34	355.65	89.98	2,069.41	-13,881.64	3,625.85	2,918.79	707.07	5.128		
19,200.00	6,840.00	19,240.52	6,840.00	356.04	358.35	89.98	2,069.85	-13,981.64	3,625.81	2,913.33	712.48	5.089		
19,300.00	6,840.00	19,340.52	6,840.00	358.74	361.05	89.98	2,070.28	-14,081.64	3,625.76	2,907.87	717.89	5.051		
19,400.00	6,840.00	19,440.52	6,840.00	361.44	363.74	89.98	2,070.72	-14,181.64	3,625.71	2,902.41	723.30	5.013		
19,500.00	6,840.00	19,540.52	6,840.00	364.13	366.44	89.98	2,071.16	-14,281.63	3,625.66	2,896.95	728.71	4.975		
19,600.00	6,840.00	19,640.52	6,840.00	366.83	369.14	89.98	2,071.60	-14,381.63	3,625.61	2,891.49	734.12	4.939		
19,700.00	6,840.00	19,740.52	6,840.00	369.53	371.84	89.98	2,072.03	-14,481.63	3,625.56	2,886.03	739.54	4.902		
19,800.00	6,840.00	19,840.52	6,840.00	372.23	374.54	89.98	2,072.47	-14,581.63	3,625.52	2,880.57	744.95	4.867		
19,900.00	6,840.00	19,940.52	6,840.00	374.94	377.24	89.98	2,072.91	-14,681.63	3,625.47	2,875.10	750.36	4.832		
20,000.00	6,840.00	20,040.52	6,840.00	377.64	379.93	89.98	2,073.35	-14,781.63	3,625.42	2,869.64	755.78	4.797		
20,100.00	6,840.00	20,140.52	6,840.00	380.34	382.63	89.98	2,073.78	-14,881.63	3,625.37	2,864.18	761.19	4.763		
20,200.00	6,840.00	20,240.52	6,840.00	383.04	385.33	89.98	2,074.22	-14,981.63	3,625.32	2,858.71	766.61	4.729		
20,300.00	6,840.00	20,340.52	6,840.00	385.74	388.03	89.98	2,074.66	-15,081.63	3,625.27	2,853.25	772.02	4.696		
20,400.00	6,840.00	20,440.52	6,840.00	388.44	390.73	89.98	2,075.10	-15,181.63	3,625.22	2,847.79	777.44	4.663		
20,500.00	6,840.00	20,540.52	6,840.00	391.14	393.44	89.98	2,075.53	-15,281.62	3,625.18	2,842.32	782.85	4.631		
20,552.28	6,840.00	20,592.80	6,840.00	392.56	394.85	89.98	2,075.76	-15,333.90	3,625.15	2,839.47	785.68	4.614 SF		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-05 - 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	0.07	224.78	0.28	224.78					
100.00	100.00	101.00	101.00	0.13	0.14	0.07	224.78	0.28	224.78	224.50	0.27	825.050		
200.00	200.00	201.00	201.00	0.49	0.50	0.07	224.78	0.28	224.78	223.79	0.99	227.188		
300.00	300.00	301.00	301.00	0.85	0.85	0.07	224.78	0.28	224.78	223.07	1.71	131.731 CC, ES		
400.00	399.98	400.98	400.98	1.20	1.21	128.45	224.78	0.28	225.86	223.45	2.41	93.663		
500.00	499.84	500.84	500.84	1.55	1.57	129.43	224.78	0.28	229.15	226.03	3.12	73.529		
600.00	599.45	596.20	596.18	1.91	1.91	130.57	225.71	-1.04	235.69	231.88	3.82	61.734		
700.00	698.70	691.26	691.12	2.29	2.25	131.53	228.47	-4.92	246.40	241.86	4.53	54.375		
800.00	797.47	785.75	785.28	2.70	2.59	132.29	233.02	-11.33	261.19	255.93	5.26	49.642		
900.00	895.62	879.45	878.34	3.14	2.95	132.82	239.31	-20.18	280.01	274.00	6.01	46.574		
1,000.00	993.06	972.15	970.02	3.62	3.31	133.15	247.26	-31.37	302.78	295.99	6.79	44.606		
1,100.00	1,089.64	1,063.66	1,060.03	4.14	3.69	133.29	256.79	-44.78	329.39	321.80	7.59	43.383		
1,200.00	1,185.27	1,153.78	1,148.12	4.70	4.09	133.26	267.79	-60.27	359.77	351.34	8.43	42.670		
1,300.00	1,279.82	1,242.35	1,234.07	5.31	4.51	133.09	280.17	-77.69	393.82	384.52	9.30	42.326		
1,400.00	1,373.17	1,329.21	1,317.68	5.98	4.95	132.79	293.79	-96.87	431.43	421.21	10.22	42.224		
1,500.00	1,465.22	1,414.25	1,398.81	6.70	5.42	132.46	308.55	-117.64	472.48	461.30	11.17	42.288		
1,600.00	1,556.72	1,497.91	1,477.85	7.45	5.91	132.52	324.42	-139.98	515.62	503.47	12.15	42.429		
1,700.00	1,648.21	1,580.48	1,555.05	8.21	6.43	132.33	341.39	-163.87	559.95	546.78	13.17	42.523		
1,800.00	1,739.71	1,661.84	1,630.25	8.99	6.99	131.95	359.36	-189.17	605.46	591.25	14.21	42.610		
1,900.00	1,831.20	1,747.62	1,708.80	9.77	7.61	131.44	379.32	-217.26	651.90	636.57	15.34	42.504		
2,000.00	1,922.69	1,835.99	1,789.68	10.56	8.26	130.96	399.94	-246.29	698.45	681.93	16.52	42.280		
2,100.00	2,014.19	1,924.36	1,870.55	11.35	8.93	130.55	420.57	-275.33	745.03	727.31	17.72	42.049		
2,200.00	2,105.68	2,012.73	1,951.43	12.14	9.61	130.19	441.20	-304.36	791.63	772.70	18.93	41.821		
2,300.00	2,197.18	2,101.10	2,032.30	12.94	10.30	129.86	461.82	-333.40	838.26	818.11	20.15	41.599		
2,400.00	2,288.67	2,189.47	2,113.18	13.74	10.99	129.57	482.45	-362.43	884.90	863.52	21.38	41.386		
2,500.00	2,380.17	2,277.84	2,194.05	14.54	11.69	129.31	503.08	-391.47	931.57	908.95	22.62	41.184		
2,600.00	2,471.66	2,366.21	2,274.93	15.35	12.39	129.08	523.70	-420.50	978.24	954.38	23.86	40.993		
2,700.00	2,563.16	2,454.58	2,355.80	16.15	13.10	128.86	544.33	-449.54	1,024.93	999.82	25.11	40.814		
2,800.00	2,654.65	2,542.95	2,436.68	16.96	13.80	128.67	564.96	-478.57	1,071.63	1,045.26	26.37	40.645		
2,900.00	2,746.15	2,631.32	2,517.55	17.76	14.52	128.49	585.58	-507.61	1,118.33	1,090.71	27.62	40.487		
3,000.00	2,837.64	2,719.69	2,598.43	18.57	15.23	128.32	606.21	-536.64	1,165.05	1,136.17	28.88	40.338		
3,100.00	2,929.14	2,808.06	2,679.30	19.38	15.95	128.17	626.83	-565.68	1,211.77	1,181.63	30.15	40.198		
3,200.00	3,020.63	2,903.57	2,760.18	20.19	16.72	128.03	647.46	-594.71	1,258.50	1,227.03	31.46	39.999		
3,300.00	3,112.13	2,984.80	2,841.05	21.00	17.38	127.90	668.09	-623.75	1,305.23	1,272.55	32.68	39.941		
3,400.00	3,203.62	3,073.17	2,921.93	21.81	18.10	127.78	688.71	-652.79	1,351.97	1,318.02	33.95	39.824		
3,500.00	3,295.12	3,161.54	3,002.80	22.63	18.82	127.66	709.34	-681.82	1,398.71	1,363.49	35.22	39.714		
3,600.00	3,386.61	3,249.91	3,083.68	23.44	19.55	127.56	729.97	-710.86	1,445.46	1,408.97	36.49	39.609		
3,700.00	3,478.10	3,338.28	3,164.55	24.25	20.27	127.46	750.59	-739.89	1,492.21	1,454.44	37.77	39.511		
3,800.00	3,569.60	3,426.65	3,245.43	25.06	20.99	127.36	771.22	-768.93	1,538.96	1,499.92	39.04	39.417		
3,900.00	3,661.09	3,515.02	3,326.31	25.88	21.72	127.27	791.85	-797.96	1,585.72	1,545.40	40.32	39.328		
4,000.00	3,752.59	3,603.39	3,407.18	26.69	22.44	127.19	812.47	-827.00	1,632.48	1,590.88	41.60	39.244		
4,100.00	3,844.08	3,708.24	3,488.06	27.50	23.30	127.11	833.10	-856.03	1,679.24	1,636.24	43.00	39.053		
4,200.00	3,935.58	3,780.13	3,568.93	28.32	23.90	127.04	853.73	-885.07	1,726.01	1,681.85	44.16	39.088		
4,300.00	4,027.07	3,868.50	3,649.81	29.13	24.62	126.97	874.35	-914.10	1,772.77	1,727.34	45.44	39.015		
4,400.00	4,118.57	3,956.87	3,730.68	29.95	25.35	126.90	894.98	-943.14	1,819.54	1,772.82	46.72	38.946		
4,500.00	4,210.06	4,045.24	3,811.56	30.76	26.08	126.84	915.61	-972.17	1,866.31	1,818.31	48.00	38.880		
4,600.00	4,301.56	4,133.61	3,892.43	31.58	26.81	126.78	936.23	-1,001.21	1,913.08	1,863.80	49.28	38.817		
4,700.00	4,393.05	4,221.98	3,973.31	32.39	27.54	126.72	956.86	-1,030.24	1,959.86	1,909.29	50.57	38.757		
4,800.00	4,484.55	4,310.35	4,054.18	33.21	28.27	126.67	977.49	-1,059.28	2,006.63	1,954.78	51.85	38.699		
4,900.00	4,576.04	4,401.28	4,135.06	34.02	29.02	126.61	998.11	-1,088.31	2,053.41	2,000.25	53.16	38.630		
5,000.00	4,667.54	4,487.09	4,215.93	34.84	29.72	126.56	1,018.74	-1,117.35	2,100.19	2,045.77	54.42	38.591		
5,100.00	4,759.03	4,575.46	4,296.81	35.65	30.45	126.52	1,039.37	-1,146.38	2,146.97	2,091.26	55.71	38.540		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-05 - 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	4,850.53	4,663.83	4,377.68	36.47	31.18	126.47	1,059.99	-1,175.42	2,193.75	2,136.75	56.99	38.491		
5,300.00	4,942.02	4,752.20	4,458.56	37.28	31.91	126.43	1,080.62	-1,204.45	2,240.53	2,182.25	58.28	38.444		
5,400.00	5,033.51	4,840.57	4,539.43	38.10	32.65	126.38	1,101.25	-1,233.49	2,287.31	2,227.74	59.57	38.398		
5,500.00	5,125.01	4,928.94	4,620.31	38.92	33.38	126.34	1,121.87	-1,262.52	2,334.09	2,273.24	60.86	38.355		
5,600.00	5,216.50	5,017.31	4,701.18	39.73	34.11	126.31	1,142.50	-1,291.56	2,380.88	2,318.73	62.14	38.313		
5,700.00	5,308.00	5,105.68	4,782.06	40.55	34.84	126.27	1,163.13	-1,320.59	2,427.66	2,364.23	63.43	38.272		
5,800.00	5,399.49	5,194.05	4,862.93	41.36	35.57	126.23	1,183.75	-1,349.63	2,474.45	2,409.73	64.72	38.233		
5,900.00	5,490.99	5,282.42	4,943.81	42.18	36.30	126.20	1,204.38	-1,378.66	2,521.23	2,455.22	66.01	38.195		
6,000.00	5,582.48	5,370.79	5,024.68	43.00	37.03	126.16	1,225.01	-1,407.70	2,568.02	2,500.72	67.30	38.158		
6,100.00	5,673.98	5,459.16	5,105.56	43.81	37.76	126.13	1,245.63	-1,436.73	2,614.81	2,546.22	68.59	38.123		
6,200.00	5,765.47	5,547.53	5,186.43	44.63	38.50	126.10	1,266.26	-1,465.77	2,661.60	2,591.72	69.88	38.089		
6,300.00	5,856.97	5,635.90	5,267.31	45.45	39.23	126.07	1,286.89	-1,494.80	2,708.39	2,637.22	71.17	38.056		
6,400.00	5,948.46	5,724.27	5,348.18	46.26	39.96	126.04	1,307.51	-1,523.84	2,755.17	2,682.72	72.46	38.024		
6,500.00	6,039.96	5,812.64	5,429.06	47.08	40.69	126.02	1,328.14	-1,552.87	2,801.96	2,728.21	73.75	37.992		
6,600.00	6,131.45	5,901.01	5,509.93	47.90	41.43	125.99	1,348.77	-1,581.91	2,848.76	2,773.71	75.04	37.962		
6,700.00	6,222.95	5,989.38	5,590.81	48.71	42.16	125.96	1,369.39	-1,610.94	2,895.55	2,819.21	76.33	37.933		
6,800.00	6,314.44	6,077.75	5,671.68	49.53	42.89	125.94	1,390.02	-1,639.98	2,942.34	2,864.71	77.63	37.904		
6,900.00	6,405.93	6,166.12	5,752.56	50.35	43.62	125.91	1,410.65	-1,669.01	2,989.13	2,910.21	78.92	37.877		
7,000.00	6,497.01	6,254.54	5,833.47	51.18	44.36	118.88	1,431.28	-1,698.06	3,035.81	2,955.58	80.23	37.840		
7,100.00	6,582.62	6,342.55	5,914.03	52.20	45.09	105.50	1,451.83	-1,726.98	3,080.86	2,999.14	81.72	37.699		
7,200.00	6,659.25	6,427.78	5,992.03	53.42	45.79	96.59	1,471.72	-1,754.98	3,122.94	3,039.52	83.42	37.436		
7,300.00	6,724.59	6,507.63	6,065.10	54.84	46.45	90.36	1,490.36	-1,781.22	3,161.25	3,075.97	85.28	37.070		
7,400.00	6,776.64	6,579.67	6,131.03	56.40	47.05	85.94	1,507.17	-1,804.89	3,195.26	3,108.02	87.24	36.625		
7,500.00	6,813.82	6,641.72	6,187.82	58.08	47.57	82.82	1,521.66	-1,825.27	3,224.69	3,135.44	89.25	36.131		
7,600.00	6,835.01	6,708.11	6,233.73	59.82	48.12	80.68	1,533.36	-1,841.76	3,249.39	3,158.04	91.35	35.571		
7,700.00	6,840.00	6,729.03	6,267.72	61.57	48.29	79.71	1,542.03	-1,853.96	3,269.51	3,176.41	93.09	35.122		
7,800.00	6,840.00	6,762.00	6,297.90	63.35	48.56	80.26	1,549.73	-1,864.79	3,290.02	3,195.11	94.92	34.663		
7,900.00	6,840.00	7,871.98	6,840.00	65.20	65.25	89.98	1,690.72	-2,683.19	3,301.58	3,182.76	118.82	27.786		
8,000.00	6,840.00	7,971.98	6,840.00	67.10	67.27	89.98	1,691.16	-2,783.19	3,301.53	3,178.36	123.18	26.803		
8,100.00	6,840.00	8,071.98	6,840.00	69.05	69.33	89.98	1,691.59	-2,883.19	3,301.49	3,173.87	127.61	25.871		
8,200.00	6,840.00	8,171.98	6,840.00	71.06	71.43	89.98	1,692.03	-2,983.19	3,301.44	3,169.31	132.12	24.987		
8,300.00	6,840.00	8,271.98	6,840.00	73.11	73.57	89.98	1,692.47	-3,083.18	3,301.39	3,164.69	136.70	24.150		
8,400.00	6,840.00	8,371.98	6,840.00	75.21	75.75	89.98	1,692.91	-3,183.18	3,301.34	3,160.00	141.34	23.357		
8,500.00	6,840.00	8,471.98	6,840.00	77.34	77.97	89.98	1,693.34	-3,283.18	3,301.29	3,155.25	146.04	22.606		
8,600.00	6,840.00	8,571.98	6,840.00	79.51	80.21	89.98	1,693.78	-3,383.18	3,301.24	3,150.46	150.78	21.894		
8,700.00	6,840.00	8,671.98	6,840.00	81.72	82.49	89.98	1,694.22	-3,483.18	3,301.20	3,145.62	155.58	21.219		
8,800.00	6,840.00	8,771.98	6,840.00	83.95	84.79	89.98	1,694.66	-3,583.18	3,301.15	3,140.74	160.41	20.580		
8,900.00	6,840.00	8,871.98	6,840.00	86.22	87.12	89.98	1,695.09	-3,683.18	3,301.10	3,135.82	165.28	19.973		
9,000.00	6,840.00	8,971.98	6,840.00	88.51	89.46	89.98	1,695.53	-3,783.18	3,301.05	3,130.87	170.18	19.397		
9,100.00	6,840.00	9,071.98	6,840.00	90.83	91.83	89.98	1,695.97	-3,883.18	3,301.00	3,125.88	175.12	18.850		
9,200.00	6,840.00	9,171.98	6,840.00	93.16	94.22	89.98	1,696.41	-3,983.18	3,300.95	3,120.87	180.08	18.330		
9,300.00	6,840.00	9,271.98	6,840.00	95.52	96.63	89.98	1,696.84	-4,083.17	3,300.91	3,115.83	185.08	17.835		
9,400.00	6,840.00	9,371.98	6,840.00	97.90	99.05	89.98	1,697.28	-4,183.17	3,300.86	3,110.76	190.09	17.364		
9,500.00	6,840.00	9,471.98	6,840.00	100.30	101.49	89.98	1,697.72	-4,283.17	3,300.81	3,105.68	195.13	16.916		
9,600.00	6,840.00	9,571.98	6,840.00	102.72	103.94	89.98	1,698.16	-4,383.17	3,300.76	3,100.57	200.19	16.488		
9,700.00	6,840.00	9,671.98	6,840.00	105.15	106.40	89.98	1,698.59	-4,483.17	3,300.71	3,095.44	205.27	16.080		
9,800.00	6,840.00	9,771.98	6,840.00	107.59	108.88	89.98	1,699.03	-4,583.17	3,300.66	3,090.29	210.37	15.690		
9,900.00	6,840.00	9,871.98	6,840.00	110.05	111.37	89.98	1,699.47	-4,683.17	3,300.61	3,085.13	215.48	15.317		
10,000.00	6,840.00	9,971.98	6,840.00	112.52	113.87	89.98	1,699.91	-4,783.17	3,300.57	3,079.95	220.61	14.961		
10,100.00	6,840.00	10,071.98	6,840.00	115.00	116.38	89.98	1,700.34	-4,883.17	3,300.52	3,074.76	225.76	14.620		
10,200.00	6,840.00	10,171.98	6,840.00	117.50	118.90	89.98	1,700.78	-4,983.17	3,300.47	3,069.55	230.92	14.293		
10,300.00	6,840.00	10,271.98	6,840.00	120.00	121.43	89.98	1,701.22	-5,083.16	3,300.42	3,064.33	236.09	13.980		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-05 - 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		
10,400.00	6,840.00	10,371.98	6,840.00	122.51	123.97	89.98	1,701.66	-5,183.16	3,300.37	3,059.10	241.27	13.679		
10,500.00	6,840.00	10,471.98	6,840.00	125.04	126.52	89.98	1,702.09	-5,283.16	3,300.32	3,053.86	246.46	13.391		
10,600.00	6,840.00	10,571.98	6,840.00	127.57	129.07	89.98	1,702.53	-5,383.16	3,300.28	3,048.61	251.67	13.114		
10,700.00	6,840.00	10,671.98	6,840.00	130.11	131.63	89.98	1,702.97	-5,483.16	3,300.23	3,043.35	256.88	12.847		
10,800.00	6,840.00	10,771.98	6,840.00	132.66	134.19	89.98	1,703.41	-5,583.16	3,300.18	3,038.08	262.10	12.591		
10,900.00	6,840.00	10,871.98	6,840.00	135.21	136.77	89.98	1,703.84	-5,683.16	3,300.13	3,032.80	267.34	12.345		
11,000.00	6,840.00	10,971.98	6,840.00	137.77	139.34	89.98	1,704.28	-5,783.16	3,300.08	3,027.51	272.58	12.107		
11,100.00	6,840.00	11,071.98	6,840.00	140.34	141.93	89.98	1,704.72	-5,883.16	3,300.03	3,022.21	277.82	11.878		
11,200.00	6,840.00	11,171.98	6,840.00	142.91	144.51	89.98	1,705.16	-5,983.16	3,299.99	3,016.91	283.08	11.658		
11,300.00	6,840.00	11,271.98	6,840.00	145.49	147.11	89.98	1,705.59	-6,083.16	3,299.94	3,011.60	288.34	11.445		
11,400.00	6,840.00	11,371.98	6,840.00	148.07	149.71	89.98	1,706.03	-6,183.15	3,299.89	3,006.28	293.61	11.239		
11,500.00	6,840.00	11,471.98	6,840.00	150.66	152.31	89.98	1,706.47	-6,283.15	3,299.84	3,000.96	298.88	11.041		
11,600.00	6,840.00	11,571.98	6,840.00	153.25	154.91	89.98	1,706.91	-6,383.15	3,299.79	2,995.63	304.16	10.849		
11,700.00	6,840.00	11,671.98	6,840.00	155.85	157.52	89.98	1,707.34	-6,483.15	3,299.74	2,990.30	309.45	10.663		
11,800.00	6,840.00	11,771.98	6,840.00	158.45	160.14	89.98	1,707.78	-6,583.15	3,299.70	2,984.96	314.74	10.484		
11,900.00	6,840.00	11,871.98	6,840.00	161.06	162.76	89.98	1,708.22	-6,683.15	3,299.65	2,979.61	320.03	10.310		
12,000.00	6,840.00	11,971.98	6,840.00	163.67	165.38	89.98	1,708.66	-6,783.15	3,299.60	2,974.26	325.33	10.142		
12,100.00	6,840.00	12,071.98	6,840.00	166.28	168.00	89.98	1,709.09	-6,883.15	3,299.55	2,968.91	330.64	9.979		
12,200.00	6,840.00	12,171.98	6,840.00	168.90	170.63	89.98	1,709.53	-6,983.15	3,299.50	2,963.55	335.95	9.821		
12,300.00	6,840.00	12,271.98	6,840.00	171.52	173.26	89.98	1,709.97	-7,083.15	3,299.45	2,958.19	341.26	9.668		
12,400.00	6,840.00	12,371.98	6,840.00	174.15	175.89	89.98	1,710.41	-7,183.14	3,299.40	2,952.83	346.58	9.520		
12,500.00	6,840.00	12,471.98	6,840.00	176.77	178.53	89.98	1,710.84	-7,283.14	3,299.36	2,947.46	351.90	9.376		
12,600.00	6,840.00	12,571.98	6,840.00	179.40	181.17	89.98	1,711.28	-7,383.14	3,299.31	2,942.08	357.23	9.236		
12,700.00	6,840.00	12,671.98	6,840.00	182.04	183.81	89.98	1,711.72	-7,483.14	3,299.26	2,936.71	362.55	9.100		
12,800.00	6,840.00	12,771.98	6,840.00	184.67	186.45	89.98	1,712.16	-7,583.14	3,299.21	2,931.33	367.88	8.968		
12,900.00	6,840.00	12,871.98	6,840.00	187.31	189.10	89.98	1,712.59	-7,683.14	3,299.16	2,925.94	373.22	8.840		
13,000.00	6,840.00	12,971.98	6,840.00	189.95	191.74	89.98	1,713.03	-7,783.14	3,299.11	2,920.56	378.56	8.715		
13,100.00	6,840.00	13,071.98	6,840.00	192.59	194.39	89.98	1,713.47	-7,883.14	3,299.07	2,915.17	383.90	8.594		
13,200.00	6,840.00	13,171.98	6,840.00	195.24	197.04	89.98	1,713.91	-7,983.14	3,299.02	2,909.78	389.24	8.476		
13,300.00	6,840.00	13,271.98	6,840.00	197.88	199.70	89.98	1,714.34	-8,083.14	3,298.97	2,904.38	394.59	8.361		
13,400.00	6,840.00	13,371.98	6,840.00	200.53	202.35	89.98	1,714.78	-8,183.13	3,298.92	2,898.99	399.93	8.249		
13,500.00	6,840.00	13,471.98	6,840.00	203.18	205.01	89.98	1,715.22	-8,283.13	3,298.87	2,893.59	405.28	8.140		
13,600.00	6,840.00	13,571.98	6,840.00	205.83	207.67	89.98	1,715.66	-8,383.13	3,298.82	2,888.19	410.64	8.033		
13,700.00	6,840.00	13,671.98	6,840.00	208.49	210.33	89.98	1,716.09	-8,483.13	3,298.78	2,882.78	415.99	7.930		
13,800.00	6,840.00	13,771.98	6,840.00	211.14	212.99	89.98	1,716.53	-8,583.13	3,298.73	2,877.38	421.35	7.829		
13,900.00	6,840.00	13,871.98	6,840.00	213.80	215.65	89.98	1,716.97	-8,683.13	3,298.68	2,871.97	426.71	7.730		
14,000.00	6,840.00	13,971.98	6,840.00	216.46	218.32	89.98	1,717.41	-8,783.13	3,298.63	2,866.56	432.07	7.634		
14,100.00	6,840.00	14,071.98	6,840.00	219.12	220.98	89.98	1,717.84	-8,883.13	3,298.58	2,861.15	437.44	7.541		
14,200.00	6,840.00	14,171.98	6,840.00	221.78	223.65	89.98	1,718.28	-8,983.13	3,298.53	2,855.73	442.80	7.449		
14,300.00	6,840.00	14,271.98	6,840.00	224.45	226.32	89.98	1,718.72	-9,083.13	3,298.49	2,850.32	448.17	7.360		
14,400.00	6,840.00	14,371.98	6,840.00	227.11	228.99	89.98	1,719.16	-9,183.13	3,298.44	2,844.90	453.54	7.273		
14,500.00	6,840.00	14,471.98	6,840.00	229.78	231.66	89.98	1,719.59	-9,283.12	3,298.39	2,839.48	458.91	7.187		
14,600.00	6,840.00	14,571.98	6,840.00	232.45	234.33	89.98	1,720.03	-9,383.12	3,298.34	2,834.06	464.28	7.104		
14,700.00	6,840.00	14,671.98	6,840.00	235.12	237.00	89.98	1,720.47	-9,483.12	3,298.29	2,828.64	469.65	7.023		
14,800.00	6,840.00	14,771.98	6,840.00	237.79	239.68	89.98	1,720.91	-9,583.12	3,298.24	2,823.22	475.03	6.943		
14,900.00	6,840.00	14,871.98	6,840.00	240.46	242.35	89.98	1,721.34	-9,683.12	3,298.19	2,817.79	480.40	6.865		
15,000.00	6,840.00	14,971.98	6,840.00	243.13	245.03	89.98	1,721.78	-9,783.12	3,298.15	2,812.36	485.78	6.789		
15,100.00	6,840.00	15,071.98	6,840.00	245.80	247.71	89.98	1,722.22	-9,883.12	3,298.10	2,806.94	491.16	6.715		
15,200.00	6,840.00	15,171.98	6,840.00	248.48	250.39	89.98	1,722.66	-9,983.12	3,298.05	2,801.51	496.54	6.642		
15,300.00	6,840.00	15,271.98	6,840.00	251.15	253.07	89.98	1,723.09	-10,083.12	3,298.00	2,796.08	501.92	6.571		
15,400.00	6,840.00	15,371.98	6,840.00	253.83	255.75	89.98	1,723.53	-10,183.12	3,297.95	2,790.64	507.31	6.501		
15,500.00	6,840.00	15,471.98	6,840.00	256.51	258.43	89.98	1,723.97	-10,283.11	3,297.90	2,785.21	512.69	6.433		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-05 - 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		
15,600.00	6,840.00	15,571.98	6,840.00	259.19	261.11	89.98	1,724.41	-10,383.11	3,297.86	2,779.78	518.08	6.366		
15,700.00	6,840.00	15,671.98	6,840.00	261.87	263.79	89.98	1,724.84	-10,483.11	3,297.81	2,774.34	523.46	6.300		
15,800.00	6,840.00	15,771.98	6,840.00	264.55	266.47	89.98	1,725.28	-10,583.11	3,297.76	2,768.91	528.85	6.236		
15,900.00	6,840.00	15,871.98	6,840.00	267.23	269.16	89.98	1,725.72	-10,683.11	3,297.71	2,763.47	534.24	6.173		
16,000.00	6,840.00	15,971.98	6,840.00	269.91	271.84	89.98	1,726.16	-10,783.11	3,297.66	2,758.03	539.63	6.111		
16,100.00	6,840.00	16,071.98	6,840.00	272.59	274.53	89.98	1,726.59	-10,883.11	3,297.61	2,752.59	545.02	6.050		
16,200.00	6,840.00	16,171.98	6,840.00	275.28	277.21	89.98	1,727.03	-10,983.11	3,297.57	2,747.15	550.41	5.991		
16,300.00	6,840.00	16,271.98	6,840.00	277.96	279.90	89.98	1,727.47	-11,083.11	3,297.52	2,741.71	555.81	5.933		
16,400.00	6,840.00	16,371.98	6,840.00	280.64	282.59	89.98	1,727.91	-11,183.11	3,297.47	2,736.27	561.20	5.876		
16,500.00	6,840.00	16,471.98	6,840.00	283.33	285.28	89.98	1,728.34	-11,283.10	3,297.42	2,730.83	566.59	5.820		
16,600.00	6,840.00	16,571.98	6,840.00	286.02	287.97	89.98	1,728.78	-11,383.10	3,297.37	2,725.38	571.99	5.765		
16,700.00	6,840.00	16,671.98	6,840.00	288.70	290.65	89.98	1,729.22	-11,483.10	3,297.32	2,719.94	577.39	5.711		
16,800.00	6,840.00	16,771.98	6,840.00	291.39	293.34	89.98	1,729.66	-11,583.10	3,297.28	2,714.49	582.78	5.658		
16,900.00	6,840.00	16,871.98	6,840.00	294.08	296.03	89.98	1,730.09	-11,683.10	3,297.23	2,709.05	588.18	5.606		
17,000.00	6,840.00	16,971.98	6,840.00	296.77	298.73	89.98	1,730.53	-11,783.10	3,297.18	2,703.60	593.58	5.555		
17,100.00	6,840.00	17,071.98	6,840.00	299.46	301.42	89.98	1,730.97	-11,883.10	3,297.13	2,698.15	598.98	5.505		
17,200.00	6,840.00	17,171.98	6,840.00	302.14	304.11	89.98	1,731.41	-11,983.10	3,297.08	2,692.70	604.38	5.455		
17,300.00	6,840.00	17,271.98	6,840.00	304.84	306.80	89.98	1,731.84	-12,083.10	3,297.03	2,687.25	609.78	5.407		
17,400.00	6,840.00	17,371.98	6,840.00	307.53	309.49	89.98	1,732.28	-12,183.10	3,296.98	2,681.80	615.18	5.359		
17,500.00	6,840.00	17,471.98	6,840.00	310.22	312.19	89.98	1,732.72	-12,283.10	3,296.94	2,676.35	620.58	5.313		
17,600.00	6,840.00	17,571.98	6,840.00	312.91	314.88	89.98	1,733.16	-12,383.09	3,296.89	2,670.90	625.99	5.267		
17,700.00	6,840.00	17,671.98	6,840.00	315.60	317.58	89.98	1,733.59	-12,483.09	3,296.84	2,665.45	631.39	5.222		
17,800.00	6,840.00	17,771.98	6,840.00	318.29	320.27	89.98	1,734.03	-12,583.09	3,296.79	2,660.00	636.79	5.177		
17,900.00	6,840.00	17,871.98	6,840.00	320.99	322.97	89.98	1,734.47	-12,683.09	3,296.74	2,654.55	642.20	5.134		
18,000.00	6,840.00	17,971.98	6,840.00	323.68	325.66	89.98	1,734.91	-12,783.09	3,296.69	2,649.09	647.60	5.091		
18,100.00	6,840.00	18,071.98	6,840.00	326.38	328.36	89.98	1,735.34	-12,883.09	3,296.65	2,643.64	653.01	5.048		
18,200.00	6,840.00	18,171.98	6,840.00	329.07	331.05	89.98	1,735.78	-12,983.09	3,296.60	2,638.18	658.41	5.007		
18,300.00	6,840.00	18,271.98	6,840.00	331.77	333.75	89.98	1,736.22	-13,083.09	3,296.55	2,632.73	663.82	4.966		
18,400.00	6,840.00	18,371.98	6,840.00	334.46	336.45	89.98	1,736.66	-13,183.09	3,296.50	2,627.27	669.23	4.926		
18,500.00	6,840.00	18,471.98	6,840.00	337.16	339.15	89.98	1,737.09	-13,283.09	3,296.45	2,621.82	674.64	4.886		
18,600.00	6,840.00	18,571.98	6,840.00	339.85	341.84	89.98	1,737.53	-13,383.08	3,296.40	2,616.36	680.04	4.847		
18,700.00	6,840.00	18,671.98	6,840.00	342.55	344.54	89.98	1,737.97	-13,483.08	3,296.36	2,610.90	685.45	4.809		
18,800.00	6,840.00	18,771.98	6,840.00	345.25	347.24	89.98	1,738.41	-13,583.08	3,296.31	2,605.44	690.86	4.771		
18,900.00	6,840.00	18,871.98	6,840.00	347.94	349.94	89.98	1,738.84	-13,683.08	3,296.26	2,599.99	696.27	4.734		
19,000.00	6,840.00	18,971.98	6,840.00	350.64	352.64	89.98	1,739.28	-13,783.08	3,296.21	2,594.53	701.68	4.698		
19,100.00	6,840.00	19,071.98	6,840.00	353.34	355.34	89.98	1,739.72	-13,883.08	3,296.16	2,589.07	707.09	4.662		
19,200.00	6,840.00	19,171.98	6,840.00	356.04	358.04	89.98	1,740.16	-13,983.08	3,296.11	2,583.61	712.50	4.626		
19,300.00	6,840.00	19,271.98	6,840.00	358.74	360.74	89.98	1,740.59	-14,083.08	3,296.06	2,578.15	717.92	4.591		
19,400.00	6,840.00	19,371.98	6,840.00	361.44	363.44	89.98	1,741.03	-14,183.08	3,296.02	2,572.69	723.33	4.557		
19,500.00	6,840.00	19,471.98	6,840.00	364.13	366.14	89.98	1,741.47	-14,283.08	3,295.97	2,567.23	728.74	4.523		
19,600.00	6,840.00	19,571.98	6,840.00	366.83	368.84	89.98	1,741.91	-14,383.07	3,295.92	2,561.77	734.15	4.489		
19,700.00	6,840.00	19,671.98	6,840.00	369.53	371.54	89.98	1,742.34	-14,483.07	3,295.87	2,556.30	739.57	4.456		
19,800.00	6,840.00	19,771.98	6,840.00	372.23	374.24	89.98	1,742.78	-14,583.07	3,295.82	2,550.84	744.98	4.424		
19,900.00	6,840.00	19,871.98	6,840.00	374.94	376.95	89.98	1,743.22	-14,683.07	3,295.77	2,545.38	750.39	4.392		
20,000.00	6,840.00	19,971.98	6,840.00	377.64	379.65	89.98	1,743.66	-14,783.07	3,295.73	2,539.92	755.81	4.361		
20,100.00	6,840.00	20,071.98	6,840.00	380.34	382.35	89.98	1,744.09	-14,883.07	3,295.68	2,534.45	761.22	4.329		
20,200.00	6,840.00	20,171.98	6,840.00	383.04	385.05	89.98	1,744.53	-14,983.07	3,295.63	2,528.99	766.64	4.299		
20,300.00	6,840.00	20,271.98	6,840.00	385.74	387.76	89.98	1,744.97	-15,083.07	3,295.58	2,523.53	772.05	4.269		
20,400.00	6,840.00	20,371.98	6,840.00	388.44	390.46	89.98	1,745.41	-15,183.07	3,295.53	2,518.06	777.47	4.239		
20,500.00	6,840.00	20,471.98	6,840.00	391.14	393.16	89.98	1,745.84	-15,283.07	3,295.48	2,512.60	782.89	4.209		
20,552.28	6,840.00	20,524.25	6,840.00	392.56	394.57	89.98	1,746.07	-15,335.34	3,295.46	2,509.74	785.72	4.194 SF		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-06 - 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	0.08	202.92	0.28	202.92					
100.00	100.00	101.00	101.00	0.13	0.14	0.08	202.92	0.28	202.92	202.65	0.27	744.819		
200.00	200.00	201.00	201.00	0.49	0.50	0.08	202.92	0.28	202.92	201.93	0.99	205.095		
300.00	300.00	301.00	301.00	0.85	0.85	0.08	202.92	0.28	202.92	201.21	1.71	118.921 CC, ES		
400.00	399.98	400.98	400.98	1.20	1.21	128.50	202.92	0.28	204.00	201.59	2.41	84.599		
500.00	499.84	500.84	500.84	1.55	1.57	129.58	202.92	0.28	207.30	204.18	3.12	66.518		
600.00	599.45	600.45	600.45	1.91	1.93	131.30	202.92	0.28	212.97	209.13	3.83	55.554		
700.00	698.70	696.69	696.67	2.29	2.27	133.07	203.71	-1.14	221.90	217.35	4.55	48.779		
800.00	797.47	792.65	792.51	2.70	2.61	134.50	206.08	-5.37	234.77	229.49	5.28	44.499		
900.00	895.62	888.12	887.63	3.14	2.96	135.57	209.98	-12.36	251.46	245.44	6.02	41.766		
1,000.00	993.06	982.89	981.75	3.62	3.31	136.28	215.39	-22.02	271.87	265.08	6.79	40.050		
1,100.00	1,089.64	1,076.79	1,074.60	4.14	3.68	136.68	222.24	-34.27	295.89	288.31	7.58	39.016		
1,200.00	1,185.27	1,169.64	1,165.90	4.70	4.06	136.81	230.47	-48.99	323.44	315.02	8.41	38.444		
1,300.00	1,279.82	1,261.28	1,255.42	5.31	4.46	136.71	240.01	-66.04	354.41	345.13	9.28	38.189		
1,400.00	1,373.17	1,351.55	1,342.96	5.98	4.89	136.42	250.77	-85.27	388.74	378.54	10.19	38.143		
1,500.00	1,465.22	1,440.32	1,428.32	6.70	5.34	136.05	262.65	-106.51	426.31	415.16	11.15	38.231		
1,600.00	1,556.72	1,528.02	1,511.87	7.45	5.82	135.94	275.65	-129.76	465.71	453.57	12.14	38.350		
1,700.00	1,648.21	1,614.89	1,593.79	8.21	6.33	135.54	289.76	-154.98	505.99	492.81	13.18	38.396		
1,800.00	1,739.71	1,700.78	1,673.89	8.99	6.88	134.91	304.89	-182.03	547.17	532.92	14.25	38.391		
1,900.00	1,831.20	1,789.25	1,755.60	9.77	7.48	134.14	321.44	-211.63	589.14	573.74	15.41	38.241		
2,000.00	1,922.69	1,879.69	1,839.07	10.56	8.12	133.43	338.45	-242.03	631.26	614.65	16.61	38.008		
2,100.00	2,014.19	1,970.13	1,922.54	11.35	8.77	132.82	355.45	-272.42	673.44	655.61	17.83	37.771		
2,200.00	2,105.68	2,060.57	2,006.00	12.14	9.43	132.27	372.45	-302.82	715.68	696.62	19.07	37.539		
2,300.00	2,197.18	2,151.02	2,089.47	12.94	10.10	131.79	389.46	-333.22	757.97	737.66	20.31	37.316		
2,400.00	2,288.67	2,241.46	2,172.94	13.74	10.78	131.36	406.46	-363.62	800.30	778.73	21.57	37.103		
2,500.00	2,380.17	2,331.90	2,256.40	14.54	11.46	130.97	423.46	-394.02	842.66	819.83	22.83	36.903		
2,600.00	2,471.66	2,422.34	2,339.87	15.35	12.15	130.62	440.46	-424.42	885.05	860.95	24.11	36.714		
2,700.00	2,563.16	2,512.79	2,423.34	16.15	12.84	130.30	457.47	-454.82	927.47	902.08	25.38	36.537		
2,800.00	2,654.65	2,603.23	2,506.80	16.96	13.54	130.00	474.47	-485.21	969.91	943.24	26.67	36.371		
2,900.00	2,746.15	2,706.33	2,590.27	17.76	14.34	129.74	491.47	-515.61	1,012.36	984.32	28.05	36.095		
3,000.00	2,837.64	2,784.12	2,673.74	18.57	14.94	129.49	508.48	-546.01	1,054.83	1,025.59	29.24	36.069		
3,100.00	2,929.14	2,874.56	2,757.20	19.38	15.65	129.26	525.48	-576.41	1,097.32	1,066.78	30.54	35.933		
3,200.00	3,020.63	2,965.00	2,840.67	20.19	16.35	129.05	542.48	-606.81	1,139.82	1,107.99	31.83	35.804		
3,300.00	3,112.13	3,055.44	2,924.14	21.00	17.06	128.86	559.48	-637.21	1,182.34	1,149.20	33.13	35.684		
3,400.00	3,203.62	3,145.89	3,007.60	21.81	17.77	128.68	576.49	-667.61	1,224.86	1,190.42	34.43	35.571		
3,500.00	3,295.12	3,236.33	3,091.07	22.63	18.48	128.51	593.49	-698.00	1,267.39	1,231.65	35.74	35.464		
3,600.00	3,386.61	3,326.77	3,174.54	23.44	19.19	128.35	610.49	-728.40	1,309.93	1,272.89	37.04	35.364		
3,700.00	3,478.10	3,417.21	3,258.00	24.25	19.90	128.20	627.50	-758.80	1,352.48	1,314.13	38.35	35.269		
3,800.00	3,569.60	3,507.66	3,341.47	25.06	20.62	128.06	644.50	-789.20	1,395.04	1,355.38	39.66	35.179		
3,900.00	3,661.09	3,601.90	3,424.94	25.88	21.36	127.93	661.50	-819.60	1,437.60	1,396.61	40.99	35.070		
4,000.00	3,752.59	3,688.54	3,508.40	26.69	22.05	127.81	678.51	-850.00	1,480.17	1,437.89	42.27	35.014		
4,100.00	3,844.08	3,778.98	3,591.87	27.50	22.76	127.69	695.51	-880.40	1,522.74	1,479.15	43.58	34.938		
4,200.00	3,935.58	3,869.43	3,675.34	28.32	23.48	127.58	712.51	-910.79	1,565.32	1,520.42	44.90	34.865		
4,300.00	4,027.07	3,959.87	3,758.80	29.13	24.20	127.47	729.51	-941.19	1,607.90	1,561.69	46.21	34.796		
4,400.00	4,118.57	4,050.31	3,842.27	29.95	24.92	127.38	746.52	-971.59	1,650.49	1,602.96	47.52	34.730		
4,500.00	4,210.06	4,140.75	3,925.74	30.76	25.63	127.28	763.52	-1,001.99	1,693.08	1,644.24	48.84	34.668		
4,600.00	4,301.56	4,231.20	4,009.20	31.58	26.35	127.19	780.52	-1,032.39	1,735.67	1,685.52	50.15	34.608		
4,700.00	4,393.05	4,321.64	4,092.67	32.39	27.07	127.11	797.53	-1,062.79	1,778.27	1,726.80	51.47	34.551		
4,800.00	4,484.55	4,412.08	4,176.14	33.21	27.79	127.02	814.53	-1,093.18	1,820.87	1,768.08	52.78	34.497		
4,900.00	4,576.04	4,502.53	4,259.60	34.02	28.51	126.95	831.53	-1,123.58	1,863.47	1,809.37	54.10	34.445		
5,000.00	4,667.54	4,607.03	4,343.07	34.84	29.34	126.87	848.53	-1,153.98	1,906.08	1,850.56	55.52	34.330		
5,100.00	4,759.03	4,683.41	4,426.54	35.65	29.95	126.80	865.54	-1,184.38	1,948.69	1,891.95	56.74	34.347		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-06 - 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	4,850.53	4,773.85	4,510.00	36.47	30.67	126.73	882.54	-1,214.78	1,991.30	1,933.24	58.05	34.301		
5,300.00	4,942.02	4,864.30	4,593.47	37.28	31.39	126.67	899.54	-1,245.18	2,033.91	1,974.54	59.37	34.257		
5,400.00	5,033.51	4,954.74	4,676.94	38.10	32.11	126.61	916.55	-1,275.58	2,076.53	2,015.83	60.69	34.214		
5,500.00	5,125.01	5,045.18	4,760.40	38.92	32.84	126.55	933.55	-1,305.97	2,119.14	2,057.13	62.01	34.173		
5,600.00	5,216.50	5,135.62	4,843.87	39.73	33.56	126.49	950.55	-1,336.37	2,161.76	2,098.43	63.33	34.134		
5,700.00	5,308.00	5,226.07	4,927.34	40.55	34.28	126.43	967.56	-1,366.77	2,204.38	2,139.73	64.65	34.096		
5,800.00	5,399.49	5,316.51	5,010.81	41.36	35.00	126.38	984.56	-1,397.17	2,247.00	2,181.03	65.97	34.059		
5,900.00	5,490.99	5,406.95	5,094.27	42.18	35.72	126.33	1,001.56	-1,427.57	2,289.63	2,222.33	67.29	34.024		
6,000.00	5,582.48	5,502.61	5,177.74	43.00	36.49	126.28	1,018.56	-1,457.97	2,332.25	2,263.60	68.65	33.971		
6,100.00	5,673.98	5,587.84	5,261.21	43.81	37.17	126.23	1,035.57	-1,488.37	2,374.88	2,304.94	69.94	33.957		
6,200.00	5,765.47	5,678.28	5,344.67	44.63	37.89	126.19	1,052.57	-1,518.76	2,417.51	2,346.25	71.26	33.926		
6,300.00	5,856.97	5,768.72	5,428.14	45.45	38.61	126.14	1,069.57	-1,549.16	2,460.14	2,387.55	72.58	33.895		
6,400.00	5,948.46	5,859.16	5,511.61	46.26	39.34	126.10	1,086.58	-1,579.56	2,502.77	2,428.86	73.90	33.865		
6,500.00	6,039.96	5,949.61	5,595.07	47.08	40.06	126.06	1,103.58	-1,609.96	2,545.40	2,470.17	75.23	33.836		
6,600.00	6,131.45	6,040.05	5,678.54	47.90	40.78	126.02	1,120.58	-1,640.36	2,588.03	2,511.48	76.55	33.808		
6,700.00	6,222.95	6,130.49	5,762.01	48.71	41.51	125.98	1,137.58	-1,670.76	2,630.66	2,552.79	77.87	33.781		
6,800.00	6,314.44	6,220.93	5,845.47	49.53	42.23	125.94	1,154.59	-1,701.16	2,673.30	2,594.10	79.20	33.755		
6,900.00	6,405.93	6,311.38	5,928.94	50.35	42.95	125.91	1,171.59	-1,731.55	2,715.93	2,635.41	80.52	33.729		
7,000.00	6,497.01	6,401.86	6,012.45	51.18	43.68	119.08	1,188.60	-1,761.97	2,758.46	2,676.59	81.86	33.696		
7,100.00	6,582.62	6,508.06	6,095.57	52.20	44.53	106.27	1,205.54	-1,792.24	2,799.37	2,715.88	83.50	33.527		
7,200.00	6,659.25	6,579.15	6,176.06	53.42	45.10	97.88	1,221.93	-1,821.55	2,837.48	2,752.40	85.08	33.352		
7,300.00	6,724.59	6,660.85	6,251.46	54.84	45.75	92.13	1,237.29	-1,849.01	2,872.13	2,785.21	86.92	33.044		
7,400.00	6,776.64	6,734.56	6,319.48	56.40	46.34	88.11	1,251.15	-1,873.79	2,902.98	2,814.13	88.85	32.673		
7,500.00	6,813.82	6,798.03	6,378.05	58.08	46.85	85.30	1,263.08	-1,895.12	2,929.91	2,839.11	90.80	32.269		
7,600.00	6,835.01	6,849.33	6,425.40	59.82	47.26	83.38	1,272.72	-1,912.37	2,952.92	2,860.23	92.69	31.859		
7,700.00	6,840.00	6,715.71	6,840.00	61.57	59.05	89.98	1,359.06	-2,484.38	2,970.89	2,860.77	110.13	26.977		
7,800.00	6,840.00	7,715.71	6,840.00	63.35	61.04	89.98	1,359.51	-2,584.38	2,970.85	2,856.56	114.30	25.992		
7,900.00	6,840.00	7,815.71	6,840.00	65.20	63.09	89.98	1,359.95	-2,684.38	2,970.81	2,852.24	118.57	25.055		
8,000.00	6,840.00	7,915.71	6,840.00	67.10	65.18	89.98	1,360.40	-2,784.38	2,970.77	2,847.84	122.94	24.165		
8,100.00	6,840.00	8,015.71	6,840.00	69.05	67.32	89.98	1,360.84	-2,884.38	2,970.73	2,843.35	127.39	23.321		
8,200.00	6,840.00	8,115.71	6,840.00	71.06	69.49	89.98	1,361.29	-2,984.38	2,970.69	2,838.79	131.91	22.521		
8,300.00	6,840.00	8,215.71	6,840.00	73.11	71.70	89.98	1,361.74	-3,084.38	2,970.65	2,834.16	136.50	21.763		
8,400.00	6,840.00	8,315.71	6,840.00	75.21	73.95	89.98	1,362.18	-3,184.38	2,970.61	2,829.47	141.15	21.046		
8,500.00	6,840.00	8,415.71	6,840.00	77.34	76.23	89.98	1,362.63	-3,284.38	2,970.57	2,824.72	145.85	20.367		
8,600.00	6,840.00	8,515.71	6,840.00	79.51	78.53	89.98	1,363.07	-3,384.38	2,970.53	2,819.93	150.61	19.724		
8,700.00	6,840.00	8,615.71	6,840.00	81.72	80.87	89.98	1,363.52	-3,484.37	2,970.49	2,815.09	155.41	19.115		
8,800.00	6,840.00	8,715.71	6,840.00	83.95	83.22	89.98	1,363.97	-3,584.37	2,970.45	2,810.21	160.25	18.537		
8,900.00	6,840.00	8,815.71	6,840.00	86.22	85.60	89.98	1,364.41	-3,684.37	2,970.42	2,805.29	165.12	17.989		
9,000.00	6,840.00	8,915.71	6,840.00	88.51	87.99	89.98	1,364.86	-3,784.37	2,970.38	2,800.34	170.03	17.469		
9,100.00	6,840.00	9,015.71	6,840.00	90.83	90.41	89.98	1,365.30	-3,884.37	2,970.34	2,795.36	174.98	16.976		
9,200.00	6,840.00	9,115.71	6,840.00	93.16	92.84	89.98	1,365.75	-3,984.37	2,970.30	2,790.35	179.95	16.506		
9,300.00	6,840.00	9,215.71	6,840.00	95.52	95.29	89.98	1,366.20	-4,084.37	2,970.26	2,785.31	184.95	16.060		
9,400.00	6,840.00	9,315.71	6,840.00	97.90	97.75	89.98	1,366.64	-4,184.37	2,970.22	2,780.25	189.97	15.635		
9,500.00	6,840.00	9,415.71	6,840.00	100.30	100.23	89.98	1,367.09	-4,284.37	2,970.18	2,775.16	195.01	15.231		
9,600.00	6,840.00	9,515.71	6,840.00	102.72	102.72	89.98	1,367.53	-4,384.37	2,970.14	2,770.06	200.08	14.845		
9,700.00	6,840.00	9,615.71	6,840.00	105.15	105.22	89.98	1,367.98	-4,484.36	2,970.10	2,764.93	205.16	14.477		
9,800.00	6,840.00	9,715.71	6,840.00	107.59	107.73	89.98	1,368.43	-4,584.36	2,970.06	2,759.79	210.27	14.125		
9,900.00	6,840.00	9,815.71	6,840.00	110.05	110.25	89.98	1,368.87	-4,684.36	2,970.02	2,754.63	215.38	13.789		
10,000.00	6,840.00	9,915.71	6,840.00	112.52	112.78	89.98	1,369.32	-4,784.36	2,969.98	2,749.46	220.52	13.468		
10,100.00	6,840.00	10,015.71	6,840.00	115.00	115.32	89.98	1,369.76	-4,884.36	2,969.94	2,744.27	225.67	13.161		
10,200.00	6,840.00	10,115.71	6,840.00	117.50	117.87	89.98	1,370.21	-4,984.36	2,969.90	2,739.07	230.83	12.866		
10,300.00	6,840.00	10,215.71	6,840.00	120.00	120.43	89.98	1,370.66	-5,084.36	2,969.86	2,733.85	236.00	12.584		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-06 - 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		
10,400.00	6,840.00	10,315.71	6,840.00	122.51	122.99	89.98	1,371.10	-5,184.36	2,969.82	2,728.63	241.19	12.313		
10,500.00	6,840.00	10,415.71	6,840.00	125.04	125.56	89.98	1,371.55	-5,284.36	2,969.78	2,723.39	246.39	12.053		
10,600.00	6,840.00	10,515.71	6,840.00	127.57	128.14	89.98	1,371.99	-5,384.36	2,969.74	2,718.14	251.59	11.804		
10,700.00	6,840.00	10,615.71	6,840.00	130.11	130.72	89.98	1,372.44	-5,484.35	2,969.70	2,712.89	256.81	11.564		
10,800.00	6,840.00	10,715.71	6,840.00	132.66	133.30	89.98	1,372.89	-5,584.35	2,969.66	2,707.62	262.04	11.333		
10,900.00	6,840.00	10,815.71	6,840.00	135.21	135.90	89.98	1,373.33	-5,684.35	2,969.62	2,702.35	267.27	11.111		
11,000.00	6,840.00	10,915.71	6,840.00	137.77	138.49	89.98	1,373.78	-5,784.35	2,969.58	2,697.06	272.51	10.897		
11,100.00	6,840.00	11,015.71	6,840.00	140.34	141.10	89.98	1,374.22	-5,884.35	2,969.54	2,691.77	277.76	10.691		
11,200.00	6,840.00	11,115.71	6,840.00	142.91	143.70	89.98	1,374.67	-5,984.35	2,969.50	2,686.48	283.02	10.492		
11,300.00	6,840.00	11,215.71	6,840.00	145.49	146.31	89.98	1,375.12	-6,084.35	2,969.46	2,681.17	288.28	10.300		
11,400.00	6,840.00	11,315.71	6,840.00	148.07	148.93	89.98	1,375.56	-6,184.35	2,969.42	2,675.86	293.55	10.115		
11,500.00	6,840.00	11,415.71	6,840.00	150.66	151.55	89.98	1,376.01	-6,284.35	2,969.38	2,670.55	298.83	9.937		
11,600.00	6,840.00	11,515.71	6,840.00	153.25	154.17	89.98	1,376.45	-6,384.35	2,969.34	2,665.22	304.11	9.764		
11,700.00	6,840.00	11,615.71	6,840.00	155.85	156.80	89.98	1,376.90	-6,484.34	2,969.30	2,659.90	309.40	9.597		
11,800.00	6,840.00	11,715.71	6,840.00	158.45	159.42	89.98	1,377.35	-6,584.34	2,969.26	2,654.56	314.69	9.435		
11,900.00	6,840.00	11,815.71	6,840.00	161.06	162.06	89.98	1,377.79	-6,684.34	2,969.22	2,649.23	319.99	9.279		
12,000.00	6,840.00	11,915.71	6,840.00	163.67	164.69	89.98	1,378.24	-6,784.34	2,969.18	2,643.88	325.29	9.128		
12,100.00	6,840.00	12,015.71	6,840.00	166.28	167.33	89.98	1,378.68	-6,884.34	2,969.14	2,638.54	330.60	8.981		
12,200.00	6,840.00	12,115.71	6,840.00	168.90	169.97	89.98	1,379.13	-6,984.34	2,969.10	2,633.19	335.91	8.839		
12,300.00	6,840.00	12,215.71	6,840.00	171.52	172.61	89.98	1,379.58	-7,084.34	2,969.06	2,627.83	341.23	8.701		
12,400.00	6,840.00	12,315.71	6,840.00	174.15	175.26	89.98	1,380.02	-7,184.34	2,969.02	2,622.47	346.55	8.567		
12,500.00	6,840.00	12,415.71	6,840.00	176.77	177.90	89.98	1,380.47	-7,284.34	2,968.98	2,617.11	351.87	8.438		
12,600.00	6,840.00	12,515.71	6,840.00	179.40	180.55	89.98	1,380.91	-7,384.34	2,968.94	2,611.74	357.20	8.312		
12,700.00	6,840.00	12,615.71	6,840.00	182.04	183.20	89.98	1,381.36	-7,484.33	2,968.90	2,606.37	362.53	8.189		
12,800.00	6,840.00	12,715.71	6,840.00	184.67	185.86	89.98	1,381.81	-7,584.33	2,968.86	2,601.00	367.86	8.071		
12,900.00	6,840.00	12,815.71	6,840.00	187.31	188.51	89.98	1,382.25	-7,684.33	2,968.82	2,595.63	373.19	7.955		
13,000.00	6,840.00	12,915.71	6,840.00	189.95	191.17	89.98	1,382.70	-7,784.33	2,968.78	2,590.25	378.53	7.843		
13,100.00	6,840.00	13,015.71	6,840.00	192.59	193.83	89.98	1,383.14	-7,884.33	2,968.74	2,584.86	383.87	7.734		
13,200.00	6,840.00	13,115.71	6,840.00	195.24	196.49	89.98	1,383.59	-7,984.33	2,968.70	2,579.48	389.22	7.627		
13,300.00	6,840.00	13,215.71	6,840.00	197.88	199.15	89.98	1,384.04	-8,084.33	2,968.66	2,574.09	394.57	7.524		
13,400.00	6,840.00	13,315.71	6,840.00	200.53	201.82	89.98	1,384.48	-8,184.33	2,968.62	2,568.70	399.92	7.423		
13,500.00	6,840.00	13,415.71	6,840.00	203.18	204.48	89.98	1,384.93	-8,284.33	2,968.58	2,563.31	405.27	7.325		
13,600.00	6,840.00	13,515.71	6,840.00	205.83	207.15	89.98	1,385.37	-8,384.33	2,968.54	2,557.92	410.62	7.229		
13,700.00	6,840.00	13,615.71	6,840.00	208.49	209.82	89.98	1,385.82	-8,484.32	2,968.50	2,552.52	415.98	7.136		
13,800.00	6,840.00	13,715.71	6,840.00	211.14	212.49	89.98	1,386.27	-8,584.32	2,968.46	2,547.12	421.34	7.045		
13,900.00	6,840.00	13,815.71	6,840.00	213.80	215.16	89.98	1,386.71	-8,684.32	2,968.42	2,541.72	426.70	6.957		
14,000.00	6,840.00	13,915.71	6,840.00	216.46	217.83	89.98	1,387.16	-8,784.32	2,968.38	2,536.32	432.06	6.870		
14,100.00	6,840.00	14,015.71	6,840.00	219.12	220.50	89.98	1,387.60	-8,884.32	2,968.34	2,530.92	437.42	6.786		
14,200.00	6,840.00	14,115.71	6,840.00	221.78	223.18	89.98	1,388.05	-8,984.32	2,968.30	2,525.51	442.79	6.704		
14,300.00	6,840.00	14,215.71	6,840.00	224.45	225.86	89.98	1,388.50	-9,084.32	2,968.26	2,520.10	448.16	6.623		
14,400.00	6,840.00	14,315.71	6,840.00	227.11	228.53	89.98	1,388.94	-9,184.32	2,968.22	2,514.69	453.53	6.545		
14,500.00	6,840.00	14,415.71	6,840.00	229.78	231.21	89.98	1,389.39	-9,284.32	2,968.18	2,509.28	458.90	6.468		
14,600.00	6,840.00	14,515.71	6,840.00	232.45	233.89	89.98	1,389.83	-9,384.32	2,968.14	2,503.87	464.27	6.393		
14,700.00	6,840.00	14,615.71	6,840.00	235.12	236.57	89.98	1,390.28	-9,484.31	2,968.10	2,498.45	469.65	6.320		
14,800.00	6,840.00	14,715.71	6,840.00	237.79	239.25	89.98	1,390.73	-9,584.31	2,968.06	2,493.04	475.02	6.248		
14,900.00	6,840.00	14,815.71	6,840.00	240.46	241.93	89.98	1,391.17	-9,684.31	2,968.02	2,487.62	480.40	6.178		
15,000.00	6,840.00	14,915.71	6,840.00	243.13	244.61	89.98	1,391.62	-9,784.31	2,967.98	2,482.20	485.78	6.110		
15,100.00	6,840.00	15,015.71	6,840.00	245.80	247.29	89.98	1,392.06	-9,884.31	2,967.94	2,476.78	491.16	6.043		
15,200.00	6,840.00	15,115.71	6,840.00	248.48	249.98	89.98	1,392.51	-9,984.31	2,967.90	2,471.36	496.54	5.977		
15,300.00	6,840.00	15,215.71	6,840.00	251.15	252.66	89.98	1,392.96	-10,084.31	2,967.86	2,465.94	501.93	5.913		
15,400.00	6,840.00	15,315.71	6,840.00	253.83	255.35	89.98	1,393.40	-10,184.31	2,967.82	2,460.51	507.31	5.850		
15,500.00	6,840.00	15,415.71	6,840.00	256.51	258.04	89.98	1,393.85	-10,284.31	2,967.78	2,455.09	512.69	5.789		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-06 - 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		
15,600.00	6,840.00	15,515.71	6,840.00	259.19	260.72	89.98	1,394.29	-10,384.31	2,967.74	2,449.66	518.08	5.728		
15,700.00	6,840.00	15,615.71	6,840.00	261.87	263.41	89.98	1,394.74	-10,484.30	2,967.70	2,444.23	523.47	5.669		
15,800.00	6,840.00	15,715.71	6,840.00	264.55	266.10	89.98	1,395.19	-10,584.30	2,967.66	2,438.80	528.86	5.611		
15,900.00	6,840.00	15,815.71	6,840.00	267.23	268.79	89.98	1,395.63	-10,684.30	2,967.62	2,433.38	534.25	5.555		
16,000.00	6,840.00	15,915.71	6,840.00	269.91	271.48	89.98	1,396.08	-10,784.30	2,967.58	2,427.94	539.64	5.499		
16,100.00	6,840.00	16,015.71	6,840.00	272.59	274.17	89.98	1,396.52	-10,884.30	2,967.54	2,422.51	545.03	5.445		
16,200.00	6,840.00	16,115.71	6,840.00	275.28	276.86	89.98	1,396.97	-10,984.30	2,967.50	2,417.08	550.42	5.391		
16,300.00	6,840.00	16,215.71	6,840.00	277.96	279.55	89.98	1,397.42	-11,084.30	2,967.46	2,411.65	555.81	5.339		
16,400.00	6,840.00	16,315.71	6,840.00	280.64	282.24	89.98	1,397.86	-11,184.30	2,967.42	2,406.21	561.21	5.288		
16,500.00	6,840.00	16,415.71	6,840.00	283.33	284.93	89.98	1,398.31	-11,284.30	2,967.38	2,400.78	566.60	5.237		
16,600.00	6,840.00	16,515.71	6,840.00	286.02	287.63	89.98	1,398.75	-11,384.30	2,967.34	2,395.34	572.00	5.188		
16,700.00	6,840.00	16,615.70	6,840.00	288.70	290.32	89.98	1,399.20	-11,484.29	2,967.30	2,389.91	577.40	5.139		
16,800.00	6,840.00	16,715.70	6,840.00	291.39	293.01	89.98	1,399.65	-11,584.29	2,967.26	2,384.47	582.79	5.091		
16,900.00	6,840.00	16,815.70	6,840.00	294.08	295.71	89.98	1,400.09	-11,684.29	2,967.22	2,379.03	588.19	5.045		
17,000.00	6,840.00	16,915.70	6,840.00	296.77	298.40	89.98	1,400.54	-11,784.29	2,967.18	2,373.59	593.59	4.999		
17,100.00	6,840.00	17,015.70	6,840.00	299.46	301.10	89.98	1,400.98	-11,884.29	2,967.14	2,368.15	598.99	4.954		
17,200.00	6,840.00	17,115.70	6,840.00	302.14	303.79	89.98	1,401.43	-11,984.29	2,967.10	2,362.71	604.39	4.909		
17,300.00	6,840.00	17,215.70	6,840.00	304.84	306.49	89.98	1,401.88	-12,084.29	2,967.06	2,357.27	609.79	4.866		
17,400.00	6,840.00	17,315.70	6,840.00	307.53	309.19	89.98	1,402.32	-12,184.29	2,967.02	2,351.83	615.20	4.823		
17,500.00	6,840.00	17,415.70	6,840.00	310.22	311.88	89.98	1,402.77	-12,284.29	2,966.98	2,346.39	620.60	4.781		
17,600.00	6,840.00	17,515.70	6,840.00	312.91	314.58	89.98	1,403.21	-12,384.29	2,966.94	2,340.94	626.00	4.740		
17,700.00	6,840.00	17,615.70	6,840.00	315.60	317.28	89.98	1,403.66	-12,484.28	2,966.90	2,335.50	631.41	4.699		
17,800.00	6,840.00	17,715.70	6,840.00	318.29	319.98	89.98	1,404.11	-12,584.28	2,966.86	2,330.05	636.81	4.659		
17,900.00	6,840.00	17,815.70	6,840.00	320.99	322.67	89.98	1,404.55	-12,684.28	2,966.82	2,324.61	642.21	4.620		
18,000.00	6,840.00	17,915.70	6,840.00	323.68	325.37	89.98	1,405.00	-12,784.28	2,966.78	2,319.16	647.62	4.581		
18,100.00	6,840.00	18,015.70	6,840.00	326.38	328.07	89.98	1,405.44	-12,884.28	2,966.74	2,313.72	653.03	4.543		
18,200.00	6,840.00	18,115.70	6,840.00	329.07	330.77	89.98	1,405.89	-12,984.28	2,966.70	2,308.27	658.43	4.506		
18,300.00	6,840.00	18,215.70	6,840.00	331.77	333.47	89.98	1,406.34	-13,084.28	2,966.66	2,302.82	663.84	4.469		
18,400.00	6,840.00	18,315.70	6,840.00	334.46	336.17	89.98	1,406.78	-13,184.28	2,966.62	2,297.38	669.25	4.433		
18,500.00	6,840.00	18,415.70	6,840.00	337.16	338.87	89.98	1,407.23	-13,284.28	2,966.58	2,291.93	674.66	4.397		
18,600.00	6,840.00	18,515.70	6,840.00	339.85	341.57	89.98	1,407.67	-13,384.28	2,966.54	2,286.48	680.07	4.362		
18,700.00	6,840.00	18,615.70	6,840.00	342.55	344.27	89.98	1,408.12	-13,484.27	2,966.50	2,281.03	685.48	4.328		
18,800.00	6,840.00	18,715.70	6,840.00	345.25	346.98	89.98	1,408.57	-13,584.27	2,966.46	2,275.58	690.88	4.294		
18,900.00	6,840.00	18,815.70	6,840.00	347.94	349.68	89.98	1,409.01	-13,684.27	2,966.42	2,270.13	696.30	4.260		
19,000.00	6,840.00	18,915.70	6,840.00	350.64	352.38	89.98	1,409.46	-13,784.27	2,966.39	2,264.68	701.71	4.227		
19,100.00	6,840.00	19,015.70	6,840.00	353.34	355.08	89.98	1,409.90	-13,884.27	2,966.35	2,259.23	707.12	4.195		
19,200.00	6,840.00	19,115.70	6,840.00	356.04	357.78	89.98	1,410.35	-13,984.27	2,966.31	2,253.78	712.53	4.163		
19,300.00	6,840.00	19,215.70	6,840.00	358.74	360.49	89.98	1,410.80	-14,084.27	2,966.27	2,248.32	717.94	4.132		
19,400.00	6,840.00	19,315.70	6,840.00	361.44	363.19	89.98	1,411.24	-14,184.27	2,966.23	2,242.87	723.35	4.101		
19,500.00	6,840.00	19,415.70	6,840.00	364.13	365.89	89.98	1,411.69	-14,284.27	2,966.19	2,237.42	728.77	4.070		
19,600.00	6,840.00	19,515.70	6,840.00	366.83	368.60	89.98	1,412.13	-14,384.27	2,966.15	2,231.97	734.18	4.040		
19,700.00	6,840.00	19,615.70	6,840.00	369.53	371.30	89.98	1,412.58	-14,484.26	2,966.11	2,226.51	739.59	4.010		
19,800.00	6,840.00	19,715.70	6,840.00	372.23	374.01	89.98	1,413.03	-14,584.26	2,966.07	2,221.06	745.01	3.981		
19,900.00	6,840.00	19,815.70	6,840.00	374.94	376.71	89.98	1,413.47	-14,684.26	2,966.03	2,215.60	750.42	3.952		
20,000.00	6,840.00	19,915.70	6,840.00	377.64	379.41	89.98	1,413.92	-14,784.26	2,965.99	2,210.15	755.84	3.924		
20,100.00	6,840.00	20,015.70	6,840.00	380.34	382.12	89.98	1,414.36	-14,884.26	2,965.95	2,204.69	761.25	3.896		
20,200.00	6,840.00	20,115.70	6,840.00	383.04	384.82	89.98	1,414.81	-14,984.26	2,965.91	2,199.24	766.67	3.869		
20,300.00	6,840.00	20,215.70	6,840.00	385.74	387.53	89.98	1,415.26	-15,084.26	2,965.87	2,193.78	772.08	3.841		
20,400.00	6,840.00	20,315.70	6,840.00	388.44	390.23	89.98	1,415.70	-15,184.26	2,965.83	2,188.33	777.50	3.815		
20,500.00	6,840.00	20,415.70	6,840.00	391.14	392.94	89.98	1,416.15	-15,284.26	2,965.79	2,182.87	782.91	3.788		
20,552.28	6,840.00	20,467.98	6,840.00	392.56	394.35	89.98	1,416.38	-15,336.53	2,965.77	2,180.02	785.75	3.774 SF		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-07 - 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	0.09	180.33	0.28	180.33					
100.00	100.00	100.00	100.00	0.13	0.13	0.09	180.33	0.28	180.33	180.06	0.27	670.738		
200.00	200.00	200.00	200.00	0.49	0.49	0.09	180.33	0.28	180.33	179.34	0.99	182.929		
300.00	300.00	300.00	300.00	0.85	0.85	0.09	180.33	0.28	180.33	178.63	1.70	105.906 CC, ES		
400.00	399.98	400.02	399.98	1.20	1.21	128.56	180.33	0.28	181.41	179.01	2.41	75.340		
500.00	499.84	500.16	499.84	1.55	1.57	129.77	180.33	0.28	184.72	181.61	3.11	59.319		
600.00	599.45	600.55	599.45	1.91	1.93	131.70	180.33	0.28	190.42	186.59	3.83	49.670		
700.00	698.70	698.70	698.70	2.29	2.28	134.19	180.33	0.28	198.76	194.20	4.56	43.612		
800.00	797.47	795.87	795.85	2.70	2.62	136.60	180.94	-1.21	210.39	205.10	5.29	39.802		
900.00	895.62	892.83	892.69	3.14	2.97	138.46	182.79	-5.72	225.64	219.62	6.02	37.456		
1,000.00	993.06	989.44	988.94	3.62	3.32	139.76	185.87	-13.24	244.34	237.56	6.78	36.032		
1,100.00	1,089.64	1,085.52	1,084.36	4.14	3.67	140.58	190.15	-23.69	266.33	258.77	7.56	35.216		
1,200.00	1,185.27	1,180.93	1,178.67	4.70	4.04	140.99	195.59	-36.99	291.49	283.12	8.38	34.804		
1,300.00	1,279.82	1,275.50	1,271.64	5.31	4.43	141.05	202.16	-53.04	319.73	310.50	9.23	34.657		
1,400.00	1,373.17	1,369.11	1,363.04	5.98	4.84	140.84	209.81	-71.70	350.96	340.84	10.12	34.681		
1,500.00	1,465.22	1,461.61	1,452.67	6.70	5.27	140.47	218.47	-92.86	385.13	374.06	11.07	34.799		
1,600.00	1,556.72	1,553.42	1,540.86	7.45	5.74	140.20	228.15	-116.49	420.70	408.65	12.06	34.895		
1,700.00	1,648.21	1,644.75	1,627.72	8.21	6.24	139.59	238.83	-142.58	456.69	443.58	13.10	34.860		
1,800.00	1,739.71	1,735.42	1,713.02	8.99	6.78	138.71	250.47	-171.00	493.15	478.95	14.20	34.731		
1,900.00	1,831.20	1,826.36	1,797.66	9.77	7.36	137.65	263.09	-201.81	530.16	514.80	15.36	34.515		
2,000.00	1,922.69	1,918.74	1,883.43	10.56	7.97	136.65	276.08	-233.54	567.41	550.84	16.57	34.233		
2,100.00	2,014.19	2,011.11	1,969.20	11.35	8.61	135.78	289.08	-265.28	604.80	586.99	17.81	33.954		
2,200.00	2,105.68	2,103.49	2,054.97	12.14	9.26	135.00	302.07	-297.02	642.29	623.22	19.07	33.685		
2,300.00	2,197.18	2,204.14	2,140.74	12.94	9.97	134.31	315.07	-328.75	679.87	659.47	20.40	33.333		
2,400.00	2,288.67	2,288.24	2,226.52	13.74	10.58	133.69	328.07	-360.49	717.53	695.91	21.62	33.188		
2,500.00	2,380.17	2,380.61	2,312.29	14.54	11.25	133.14	341.06	-392.23	755.25	732.34	22.91	32.964		
2,600.00	2,471.66	2,472.98	2,398.06	15.35	11.93	132.63	354.06	-423.96	793.03	768.82	24.21	32.754		
2,700.00	2,563.16	2,565.36	2,483.83	16.15	12.61	132.18	367.06	-455.70	830.85	805.34	25.52	32.560		
2,800.00	2,654.65	2,657.73	2,569.61	16.96	13.30	131.76	380.05	-487.44	868.72	841.89	26.83	32.379		
2,900.00	2,746.15	2,750.11	2,655.38	17.76	13.99	131.38	393.05	-519.17	906.63	878.48	28.15	32.210		
3,000.00	2,837.64	2,842.48	2,741.15	18.57	14.69	131.02	406.04	-550.91	944.56	915.09	29.47	32.054		
3,100.00	2,929.14	2,934.86	2,826.92	19.38	15.38	130.70	419.04	-582.65	982.53	951.73	30.79	31.908		
3,200.00	3,020.63	3,027.23	2,912.70	20.19	16.08	130.40	432.04	-614.38	1,020.51	988.39	32.12	31.771		
3,300.00	3,112.13	3,119.60	2,998.47	21.00	16.78	130.12	445.03	-646.12	1,058.53	1,025.08	33.45	31.644		
3,400.00	3,203.62	3,211.98	3,084.24	21.81	17.48	129.86	458.03	-677.86	1,096.56	1,061.77	34.78	31.524		
3,500.00	3,295.12	3,304.35	3,170.01	22.63	18.19	129.61	471.03	-709.59	1,134.61	1,098.49	36.12	31.412		
3,600.00	3,386.61	3,403.27	3,255.78	23.44	18.94	129.39	484.02	-741.33	1,172.68	1,135.17	37.51	31.267		
3,700.00	3,478.10	3,489.10	3,341.56	24.25	19.60	129.17	497.02	-773.07	1,210.76	1,171.96	38.80	31.208		
3,800.00	3,569.60	3,581.48	3,427.33	25.06	20.31	128.97	510.01	-804.80	1,248.85	1,208.72	40.14	31.115		
3,900.00	3,661.09	3,673.85	3,513.10	25.88	21.01	128.79	523.01	-836.54	1,286.96	1,245.48	41.48	31.027		
4,000.00	3,752.59	3,766.22	3,598.87	26.69	21.72	128.61	536.01	-868.28	1,325.08	1,282.26	42.82	30.944		
4,100.00	3,844.08	3,858.60	3,684.65	27.50	22.43	128.44	549.00	-900.01	1,363.21	1,319.04	44.17	30.866		
4,200.00	3,935.58	3,950.97	3,770.42	28.32	23.14	128.28	562.00	-931.75	1,401.34	1,355.83	45.51	30.791		
4,300.00	4,027.07	4,043.35	3,856.19	29.13	23.85	128.13	574.99	-963.49	1,439.49	1,392.63	46.86	30.721		
4,400.00	4,118.57	4,135.72	3,941.96	29.95	24.57	127.99	587.99	-995.22	1,477.65	1,429.44	48.20	30.654		
4,500.00	4,210.06	4,228.10	4,027.74	30.76	25.28	127.85	600.99	-1,026.96	1,515.81	1,466.26	49.55	30.590		
4,600.00	4,301.56	4,320.47	4,113.51	31.58	25.99	127.73	613.98	-1,058.70	1,553.98	1,503.08	50.90	30.530		
4,700.00	4,393.05	4,412.84	4,199.28	32.39	26.70	127.60	626.98	-1,090.43	1,592.15	1,539.90	52.25	30.472		
4,800.00	4,484.55	4,505.22	4,285.05	33.21	27.42	127.49	639.98	-1,122.17	1,630.33	1,576.73	53.60	30.417		
4,900.00	4,576.04	4,597.59	4,370.82	34.02	28.13	127.38	652.97	-1,153.91	1,668.52	1,613.57	54.95	30.364		
5,000.00	4,667.54	4,689.97	4,456.60	34.84	28.85	127.27	665.97	-1,185.65	1,706.71	1,650.41	56.30	30.314		
5,100.00	4,759.03	4,782.34	4,542.37	35.65	29.56	127.17	678.96	-1,217.38	1,744.91	1,687.26	57.65	30.266		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-07 - 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	4,850.53	4,874.72	4,628.14	36.47	30.28	127.07	691.96	-1,249.12	1,783.11	1,724.10	59.01	30.220		
5,300.00	4,942.02	4,967.09	4,713.91	37.28	30.99	126.98	704.96	-1,280.86	1,821.31	1,760.96	60.36	30.175		
5,400.00	5,033.51	5,059.46	4,799.69	38.10	31.71	126.89	717.95	-1,312.59	1,859.52	1,797.81	61.71	30.133		
5,500.00	5,125.01	5,151.84	4,885.46	38.92	32.42	126.80	730.95	-1,344.33	1,897.74	1,834.67	63.06	30.092		
5,600.00	5,216.50	5,244.21	4,971.23	39.73	33.14	126.72	743.95	-1,376.07	1,935.95	1,871.54	64.42	30.053		
5,700.00	5,308.00	5,336.59	5,057.00	40.55	33.86	126.64	756.94	-1,407.80	1,974.17	1,908.40	65.77	30.015		
5,800.00	5,399.49	5,428.96	5,142.78	41.36	34.57	126.56	769.94	-1,439.54	2,012.40	1,945.27	67.13	29.979		
5,900.00	5,490.99	5,521.34	5,228.55	42.18	35.29	126.49	782.93	-1,471.28	2,050.62	1,982.14	68.48	29.944		
6,000.00	5,582.48	5,613.71	5,314.32	43.00	36.01	126.42	795.93	-1,503.01	2,088.85	2,019.01	69.84	29.911		
6,100.00	5,673.98	5,706.08	5,400.09	43.81	36.73	126.35	808.93	-1,534.75	2,127.08	2,055.89	71.19	29.878		
6,200.00	5,765.47	5,801.54	5,485.86	44.63	37.47	126.29	821.92	-1,566.49	2,165.32	2,092.74	72.57	29.837		
6,300.00	5,856.97	5,909.17	5,571.64	45.45	38.30	126.22	834.92	-1,598.22	2,203.55	2,129.51	74.04	29.761		
6,400.00	5,948.46	5,983.21	5,657.41	46.26	38.88	126.16	847.92	-1,629.96	2,241.79	2,166.53	75.26	29.787		
6,500.00	6,039.96	6,075.58	5,743.18	47.08	39.60	126.10	860.91	-1,661.70	2,280.03	2,203.41	76.62	29.759		
6,600.00	6,131.45	6,167.96	5,828.95	47.90	40.31	126.05	873.91	-1,693.43	2,318.27	2,240.30	77.97	29.732		
6,700.00	6,222.95	6,260.33	5,914.73	48.71	41.03	125.99	886.90	-1,725.17	2,356.52	2,277.19	79.33	29.705		
6,800.00	6,314.44	6,352.70	6,000.50	49.53	41.75	125.94	899.90	-1,756.91	2,394.76	2,314.07	80.69	29.679		
6,900.00	6,405.93	6,445.08	6,086.27	50.35	42.47	125.88	912.90	-1,788.64	2,433.01	2,350.97	82.05	29.654		
7,000.00	6,497.01	6,537.50	6,172.08	51.18	43.19	119.26	925.90	-1,820.39	2,471.15	2,387.73	83.42	29.624		
7,100.00	6,582.62	6,629.50	6,257.51	52.00	43.90	107.02	938.84	-1,852.00	2,507.70	2,422.76	84.95	29.521		
7,200.00	6,659.25	6,718.57	6,340.22	53.42	44.60	99.18	951.38	-1,882.61	2,541.62	2,454.98	86.64	29.336		
7,300.00	6,724.59	6,802.02	6,417.70	54.84	45.25	93.92	963.12	-1,911.28	2,572.42	2,483.97	88.45	29.085		
7,400.00	6,776.64	6,896.49	6,504.92	56.40	46.00	90.61	976.34	-1,945.02	2,599.89	2,509.27	90.62	28.690		
7,500.00	6,813.82	7,067.00	6,646.38	58.08	47.95	89.50	997.95	-2,036.57	2,622.24	2,527.51	94.73	27.681		
7,600.00	6,835.01	7,306.96	6,787.61	59.82	51.90	89.68	1,019.98	-2,227.13	2,636.86	2,535.30	101.56	25.963		
7,700.00	6,840.00	7,573.20	6,840.00	61.57	57.22	90.00	1,029.00	-2,485.63	2,640.84	2,530.93	109.90	24.028		
7,800.00	6,840.00	7,673.20	6,840.00	63.35	59.28	90.00	1,029.46	-2,585.63	2,640.80	2,526.71	114.09	23.147		
7,900.00	6,840.00	7,773.20	6,840.00	65.20	61.40	90.00	1,029.91	-2,685.63	2,640.77	2,522.40	118.37	22.309		
8,000.00	6,840.00	7,873.20	6,840.00	67.10	63.55	90.00	1,030.37	-2,785.63	2,640.74	2,517.99	122.75	21.514		
8,100.00	6,840.00	7,973.20	6,840.00	69.05	65.75	90.00	1,030.82	-2,885.63	2,640.71	2,513.50	127.21	20.759		
8,200.00	6,840.00	8,073.20	6,840.00	71.06	67.99	90.00	1,031.28	-2,985.63	2,640.68	2,508.94	131.74	20.045		
8,300.00	6,840.00	8,173.20	6,840.00	73.11	70.25	90.00	1,031.73	-3,085.63	2,640.65	2,504.31	136.33	19.369		
8,400.00	6,840.00	8,273.20	6,840.00	75.21	72.55	90.00	1,032.18	-3,185.62	2,640.62	2,499.62	140.99	18.729		
8,500.00	6,840.00	8,373.20	6,840.00	77.34	74.88	90.00	1,032.64	-3,285.62	2,640.58	2,494.88	145.70	18.123		
8,600.00	6,840.00	8,473.20	6,840.00	79.51	77.24	90.00	1,033.09	-3,385.62	2,640.55	2,490.09	150.47	17.549		
8,700.00	6,840.00	8,573.20	6,840.00	81.72	79.61	90.00	1,033.55	-3,485.62	2,640.52	2,485.25	155.27	17.006		
8,800.00	6,840.00	8,673.20	6,840.00	83.95	82.01	90.00	1,034.00	-3,585.62	2,640.49	2,480.37	160.12	16.491		
8,900.00	6,840.00	8,773.20	6,840.00	86.22	84.43	90.00	1,034.46	-3,685.62	2,640.46	2,475.46	165.00	16.003		
9,000.00	6,840.00	8,873.20	6,840.00	88.51	86.87	90.00	1,034.91	-3,785.62	2,640.43	2,470.51	169.92	15.539		
9,100.00	6,840.00	8,973.20	6,840.00	90.83	89.32	90.00	1,035.37	-3,885.62	2,640.40	2,465.53	174.87	15.100		
9,200.00	6,840.00	9,073.20	6,840.00	93.16	91.79	90.00	1,035.82	-3,985.62	2,640.36	2,460.52	179.84	14.682		
9,300.00	6,840.00	9,173.20	6,840.00	95.52	94.27	90.00	1,036.28	-4,085.62	2,640.33	2,455.49	184.85	14.284		
9,400.00	6,840.00	9,273.20	6,840.00	97.90	96.76	90.00	1,036.73	-4,185.61	2,640.30	2,450.43	189.87	13.906		
9,500.00	6,840.00	9,373.20	6,840.00	100.30	99.27	90.00	1,037.18	-4,285.61	2,640.27	2,445.35	194.92	13.545		
9,600.00	6,840.00	9,473.20	6,840.00	102.72	101.79	90.00	1,037.64	-4,385.61	2,640.24	2,440.25	199.99	13.202		
9,700.00	6,840.00	9,573.20	6,840.00	105.15	104.31	90.00	1,038.09	-4,485.61	2,640.21	2,435.13	205.08	12.874		
9,800.00	6,840.00	9,673.20	6,840.00	107.59	106.85	90.00	1,038.55	-4,585.61	2,640.18	2,429.99	210.18	12.561		
9,900.00	6,840.00	9,773.20	6,840.00	110.05	109.40	90.00	1,039.00	-4,685.61	2,640.14	2,424.84	215.31	12.262		
10,000.00	6,840.00	9,873.20	6,840.00	112.52	111.95	90.00	1,039.46	-4,785.61	2,640.11	2,419.67	220.44	11.976		
10,100.00	6,840.00	9,973.20	6,840.00	115.00	114.51	90.00	1,039.91	-4,885.61	2,640.08	2,414.49	225.60	11.703		
10,200.00	6,840.00	10,073.20	6,840.00	117.50	117.08	90.00	1,040.37	-4,985.61	2,640.05	2,409.29	230.76	11.441		
10,300.00	6,840.00	10,173.20	6,840.00	120.00	119.66	90.00	1,040.82	-5,085.60	2,640.02	2,404.08	235.94	11.189		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-07 - 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		
10,400.00	6,840.00	10,273.20	6,840.00	122.51	122.24	90.00	1,041.28	-5,185.60	2,639.99	2,398.86	241.13	10.949		
10,500.00	6,840.00	10,373.20	6,840.00	125.04	124.83	90.00	1,041.73	-5,285.60	2,639.96	2,393.63	246.33	10.717		
10,600.00	6,840.00	10,473.20	6,840.00	127.57	127.42	90.00	1,042.18	-5,385.60	2,639.92	2,388.39	251.54	10.495		
10,700.00	6,840.00	10,573.20	6,840.00	130.11	130.02	90.00	1,042.64	-5,485.60	2,639.89	2,383.14	256.76	10.282		
10,800.00	6,840.00	10,673.20	6,840.00	132.66	132.63	90.00	1,043.09	-5,585.60	2,639.86	2,377.88	261.98	10.076		
10,900.00	6,840.00	10,773.20	6,840.00	135.21	135.24	90.00	1,043.55	-5,685.60	2,639.83	2,372.61	267.22	9.879		
11,000.00	6,840.00	10,873.20	6,840.00	137.77	137.85	90.00	1,044.00	-5,785.60	2,639.80	2,367.33	272.47	9.689		
11,100.00	6,840.00	10,973.20	6,840.00	140.34	140.47	90.00	1,044.46	-5,885.60	2,639.77	2,362.05	277.72	9.505		
11,200.00	6,840.00	11,073.20	6,840.00	142.91	143.09	90.00	1,044.91	-5,985.60	2,639.74	2,356.76	282.98	9.328		
11,300.00	6,840.00	11,173.20	6,840.00	145.49	145.71	90.00	1,045.37	-6,085.59	2,639.71	2,351.46	288.24	9.158		
11,400.00	6,840.00	11,273.20	6,840.00	148.07	148.34	90.00	1,045.82	-6,185.59	2,639.67	2,346.16	293.52	8.993		
11,500.00	6,840.00	11,373.20	6,840.00	150.66	150.97	90.00	1,046.27	-6,285.59	2,639.64	2,340.85	298.79	8.834		
11,600.00	6,840.00	11,473.20	6,840.00	153.25	153.60	90.00	1,046.73	-6,385.59	2,639.61	2,335.53	304.08	8.681		
11,700.00	6,840.00	11,573.20	6,840.00	155.85	156.24	90.00	1,047.18	-6,485.59	2,639.58	2,330.21	309.37	8.532		
11,800.00	6,840.00	11,673.20	6,840.00	158.45	158.88	90.00	1,047.64	-6,585.59	2,639.55	2,324.89	314.66	8.388		
11,900.00	6,840.00	11,773.20	6,840.00	161.06	161.52	90.00	1,048.09	-6,685.59	2,639.52	2,319.55	319.96	8.249		
12,000.00	6,840.00	11,873.20	6,840.00	163.67	164.17	90.00	1,048.55	-6,785.59	2,639.49	2,314.22	325.27	8.115		
12,100.00	6,840.00	11,973.20	6,840.00	166.28	166.82	90.00	1,049.00	-6,885.59	2,639.45	2,308.88	330.57	7.984		
12,200.00	6,840.00	12,073.20	6,840.00	168.90	169.47	90.00	1,049.46	-6,985.59	2,639.42	2,303.54	335.89	7.858		
12,300.00	6,840.00	12,173.20	6,840.00	171.52	172.12	90.00	1,049.91	-7,085.58	2,639.39	2,298.19	341.20	7.736		
12,400.00	6,840.00	12,273.20	6,840.00	174.15	174.77	90.00	1,050.37	-7,185.58	2,639.36	2,292.84	346.52	7.617		
12,500.00	6,840.00	12,373.20	6,840.00	176.77	177.43	90.00	1,050.82	-7,285.58	2,639.33	2,287.48	351.85	7.501		
12,600.00	6,840.00	12,473.20	6,840.00	179.40	180.09	90.00	1,051.27	-7,385.58	2,639.30	2,282.12	357.18	7.389		
12,700.00	6,840.00	12,573.20	6,840.00	182.04	182.75	90.00	1,051.73	-7,485.58	2,639.27	2,276.76	362.51	7.281		
12,800.00	6,840.00	12,673.20	6,840.00	184.67	185.41	90.00	1,052.18	-7,585.58	2,639.23	2,271.39	367.84	7.175		
12,900.00	6,840.00	12,773.20	6,840.00	187.31	188.07	90.00	1,052.64	-7,685.58	2,639.20	2,266.02	373.18	7.072		
13,000.00	6,840.00	12,873.20	6,840.00	189.95	190.74	90.00	1,053.09	-7,785.58	2,639.17	2,260.65	378.52	6.972		
13,100.00	6,840.00	12,973.20	6,840.00	192.59	193.41	90.00	1,053.55	-7,885.58	2,639.14	2,255.28	383.86	6.875		
13,200.00	6,840.00	13,073.20	6,840.00	195.24	196.07	90.00	1,054.00	-7,985.57	2,639.11	2,249.90	389.21	6.781		
13,300.00	6,840.00	13,173.20	6,840.00	197.88	198.74	90.00	1,054.46	-8,085.57	2,639.08	2,244.52	394.56	6.689		
13,400.00	6,840.00	13,273.20	6,840.00	200.53	201.42	90.00	1,054.91	-8,185.57	2,639.05	2,239.14	399.91	6.599		
13,500.00	6,840.00	13,373.20	6,840.00	203.18	204.09	90.00	1,055.37	-8,285.57	2,639.01	2,233.76	405.26	6.512		
13,600.00	6,840.00	13,473.20	6,840.00	205.83	206.76	90.00	1,055.82	-8,385.57	2,638.98	2,228.37	410.61	6.427		
13,700.00	6,840.00	13,573.20	6,840.00	208.49	209.44	90.00	1,056.27	-8,485.57	2,638.95	2,222.98	415.97	6.344		
13,800.00	6,840.00	13,673.20	6,840.00	211.14	212.11	90.00	1,056.73	-8,585.57	2,638.92	2,217.59	421.33	6.263		
13,900.00	6,840.00	13,773.20	6,840.00	213.80	214.79	90.00	1,057.18	-8,685.57	2,638.89	2,212.20	426.69	6.185		
14,000.00	6,840.00	13,873.20	6,840.00	216.46	217.47	90.00	1,057.64	-8,785.57	2,638.86	2,206.80	432.06	6.108		
14,100.00	6,840.00	13,973.20	6,840.00	219.12	220.15	90.00	1,058.09	-8,885.57	2,638.83	2,201.40	437.42	6.033		
14,200.00	6,840.00	14,073.20	6,840.00	221.78	222.83	90.00	1,058.55	-8,985.56	2,638.80	2,196.01	442.79	5.959		
14,300.00	6,840.00	14,173.20	6,840.00	224.45	225.51	90.00	1,059.00	-9,085.56	2,638.76	2,190.61	448.16	5.888		
14,400.00	6,840.00	14,273.20	6,840.00	227.11	228.19	90.00	1,059.46	-9,185.56	2,638.73	2,185.20	453.53	5.818		
14,500.00	6,840.00	14,373.20	6,840.00	229.78	230.87	90.00	1,059.91	-9,285.56	2,638.70	2,179.80	458.90	5.750		
14,600.00	6,840.00	14,473.20	6,840.00	232.45	233.55	90.00	1,060.37	-9,385.56	2,638.67	2,174.39	464.28	5.683		
14,700.00	6,840.00	14,573.20	6,840.00	235.12	236.24	90.00	1,060.82	-9,485.56	2,638.64	2,168.99	469.65	5.618		
14,800.00	6,840.00	14,673.20	6,840.00	237.79	238.92	90.00	1,061.27	-9,585.56	2,638.61	2,163.58	475.03	5.555		
14,900.00	6,840.00	14,773.20	6,840.00	240.46	241.61	90.00	1,061.73	-9,685.56	2,638.58	2,158.17	480.41	5.492		
15,000.00	6,840.00	14,873.20	6,840.00	243.13	244.30	90.00	1,062.18	-9,785.56	2,638.54	2,152.76	485.79	5.432		
15,100.00	6,840.00	14,973.20	6,840.00	245.80	246.99	90.00	1,062.64	-9,885.56	2,638.51	2,147.35	491.17	5.372		
15,200.00	6,840.00	15,073.20	6,840.00	248.48	249.67	90.00	1,063.09	-9,985.55	2,638.48	2,141.93	496.55	5.314		
15,300.00	6,840.00	15,173.20	6,840.00	251.15	252.36	90.00	1,063.55	-10,085.55	2,638.45	2,136.52	501.93	5.257		
15,400.00	6,840.00	15,273.20	6,840.00	253.83	255.05	90.00	1,064.00	-10,185.55	2,638.42	2,131.10	507.32	5.201		
15,500.00	6,840.00	15,373.20	6,840.00	256.51	257.74	90.00	1,064.46	-10,285.55	2,638.39	2,125.68	512.70	5.146		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-07 - 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		
15,600.00	6,840.00	15,473.20	6,840.00	259.19	260.43	90.00	1,064.91	-10,385.55	2,638.36	2,120.27	518.09	5.092		
15,700.00	6,840.00	15,573.20	6,840.00	261.87	263.12	90.00	1,065.36	-10,485.55	2,638.32	2,114.85	523.48	5.040		
15,800.00	6,840.00	15,673.20	6,840.00	264.55	265.82	90.00	1,065.82	-10,585.55	2,638.29	2,109.43	528.87	4.989		
15,900.00	6,840.00	15,773.20	6,840.00	267.23	268.51	90.00	1,066.27	-10,685.55	2,638.26	2,104.00	534.26	4.938		
16,000.00	6,840.00	15,873.20	6,840.00	269.91	271.20	90.00	1,066.73	-10,785.55	2,638.23	2,098.58	539.65	4.889		
16,100.00	6,840.00	15,973.20	6,840.00	272.59	273.90	90.00	1,067.18	-10,885.54	2,638.20	2,093.16	545.04	4.840		
16,200.00	6,840.00	16,073.20	6,840.00	275.28	276.59	90.00	1,067.64	-10,985.54	2,638.17	2,087.73	550.43	4.793		
16,300.00	6,840.00	16,173.20	6,840.00	277.96	279.29	90.00	1,068.09	-11,085.54	2,638.14	2,082.31	555.83	4.746		
16,400.00	6,840.00	16,273.20	6,840.00	280.64	281.98	90.00	1,068.55	-11,185.54	2,638.10	2,076.88	561.22	4.701		
16,500.00	6,840.00	16,373.20	6,840.00	283.33	284.68	90.00	1,069.00	-11,285.54	2,638.07	2,071.46	566.62	4.656		
16,600.00	6,840.00	16,473.20	6,840.00	286.02	287.37	90.00	1,069.46	-11,385.54	2,638.04	2,066.03	572.01	4.612		
16,700.00	6,840.00	16,573.20	6,840.00	288.70	290.07	90.00	1,069.91	-11,485.54	2,638.01	2,060.60	577.41	4.569		
16,800.00	6,840.00	16,673.20	6,840.00	291.39	292.77	90.00	1,070.36	-11,585.54	2,637.98	2,055.17	582.81	4.526		
16,900.00	6,840.00	16,773.20	6,840.00	294.08	295.46	90.00	1,070.82	-11,685.54	2,637.95	2,049.74	588.21	4.485		
17,000.00	6,840.00	16,873.20	6,840.00	296.77	298.16	90.00	1,071.27	-11,785.54	2,637.92	2,044.31	593.61	4.444		
17,100.00	6,840.00	16,973.20	6,840.00	299.46	300.86	90.00	1,071.73	-11,885.53	2,637.88	2,038.88	599.01	4.404		
17,200.00	6,840.00	17,073.20	6,840.00	302.14	303.56	90.00	1,072.18	-11,985.53	2,637.85	2,033.44	604.41	4.364		
17,300.00	6,840.00	17,173.20	6,840.00	304.84	306.26	90.00	1,072.64	-12,085.53	2,637.82	2,028.01	609.81	4.326		
17,400.00	6,840.00	17,273.20	6,840.00	307.53	308.96	90.00	1,073.09	-12,185.53	2,637.79	2,022.58	615.21	4.288		
17,500.00	6,840.00	17,373.20	6,840.00	310.22	311.66	90.00	1,073.55	-12,285.53	2,637.76	2,017.14	620.62	4.250		
17,600.00	6,840.00	17,473.20	6,840.00	312.91	314.36	90.00	1,074.00	-12,385.53	2,637.73	2,011.71	626.02	4.213		
17,700.00	6,840.00	17,573.20	6,840.00	315.60	317.06	90.00	1,074.46	-12,485.53	2,637.70	2,006.27	631.42	4.177		
17,800.00	6,840.00	17,673.20	6,840.00	318.29	319.76	90.00	1,074.91	-12,585.53	2,637.67	2,000.84	636.83	4.142		
17,900.00	6,840.00	17,773.20	6,840.00	320.99	322.46	90.00	1,075.36	-12,685.53	2,637.63	1,995.40	642.23	4.107		
18,000.00	6,840.00	17,873.20	6,840.00	323.68	325.16	90.00	1,075.82	-12,785.53	2,637.60	1,989.96	647.64	4.073		
18,100.00	6,840.00	17,973.20	6,840.00	326.38	327.86	90.00	1,076.27	-12,885.52	2,637.57	1,984.52	653.05	4.039		
18,200.00	6,840.00	18,073.20	6,840.00	329.07	330.56	90.00	1,076.73	-12,985.52	2,637.54	1,979.08	658.45	4.006		
18,300.00	6,840.00	18,173.20	6,840.00	331.77	333.27	90.00	1,077.18	-13,085.52	2,637.51	1,973.65	663.86	3.973		
18,400.00	6,840.00	18,273.20	6,840.00	334.46	335.97	90.00	1,077.64	-13,185.52	2,637.48	1,968.21	669.27	3.941		
18,500.00	6,840.00	18,373.20	6,840.00	337.16	338.67	90.00	1,078.09	-13,285.52	2,637.45	1,962.77	674.68	3.909		
18,600.00	6,840.00	18,473.20	6,840.00	339.85	341.37	90.00	1,078.55	-13,385.52	2,637.41	1,957.33	680.09	3.878		
18,700.00	6,840.00	18,573.20	6,840.00	342.55	344.08	90.00	1,079.00	-13,485.52	2,637.38	1,951.88	685.50	3.847		
18,800.00	6,840.00	18,673.20	6,840.00	345.25	346.78	90.00	1,079.46	-13,585.52	2,637.35	1,946.44	690.91	3.817		
18,900.00	6,840.00	18,773.20	6,840.00	347.94	349.49	90.00	1,079.91	-13,685.52	2,637.32	1,941.00	696.32	3.788		
19,000.00	6,840.00	18,873.20	6,840.00	350.64	352.19	90.00	1,080.36	-13,785.51	2,637.29	1,935.56	701.73	3.758		
19,100.00	6,840.00	18,973.20	6,840.00	353.34	354.89	90.00	1,080.82	-13,885.51	2,637.26	1,930.12	707.14	3.729		
19,200.00	6,840.00	19,073.20	6,840.00	356.04	357.60	90.00	1,081.27	-13,985.51	2,637.23	1,924.67	712.55	3.701		
19,300.00	6,840.00	19,173.20	6,840.00	358.74	360.30	90.00	1,081.73	-14,085.51	2,637.19	1,919.23	717.97	3.673		
19,400.00	6,840.00	19,273.20	6,840.00	361.44	363.01	90.00	1,082.18	-14,185.51	2,637.16	1,913.78	723.38	3.646		
19,500.00	6,840.00	19,373.20	6,840.00	364.13	365.71	90.00	1,082.64	-14,285.51	2,637.13	1,908.34	728.79	3.618		
19,600.00	6,840.00	19,473.20	6,840.00	366.83	368.42	90.00	1,083.09	-14,385.51	2,637.10	1,902.89	734.21	3.592		
19,700.00	6,840.00	19,573.20	6,840.00	369.53	371.12	90.00	1,083.55	-14,485.51	2,637.07	1,897.45	739.62	3.565		
19,800.00	6,840.00	19,673.20	6,840.00	372.23	373.83	90.00	1,084.00	-14,585.51	2,637.04	1,892.00	745.03	3.539		
19,900.00	6,840.00	19,773.20	6,840.00	374.94	376.54	90.00	1,084.45	-14,685.51	2,637.01	1,886.56	750.45	3.514		
20,000.00	6,840.00	19,873.20	6,840.00	377.64	379.24	90.00	1,084.91	-14,785.50	2,636.97	1,881.11	755.86	3.489		
20,100.00	6,840.00	19,973.20	6,840.00	380.34	381.95	90.00	1,085.36	-14,885.50	2,636.94	1,875.66	761.28	3.464		
20,200.00	6,840.00	20,073.20	6,840.00	383.04	384.66	90.00	1,085.82	-14,985.50	2,636.91	1,870.22	766.69	3.439		
20,300.00	6,840.00	20,173.20	6,840.00	385.74	387.36	90.00	1,086.27	-15,085.50	2,636.88	1,864.77	772.11	3.415		
20,400.00	6,840.00	20,273.20	6,840.00	388.44	390.07	90.00	1,086.73	-15,185.50	2,636.85	1,859.32	777.53	3.391		
20,500.00	6,840.00	20,373.20	6,840.00	391.14	392.78	90.00	1,087.18	-15,285.50	2,636.82	1,853.87	782.94	3.368		
20,552.28	6,840.00	20,425.48	6,840.00	392.56	394.19	90.00	1,087.42	-15,337.77	2,636.80	1,851.03	785.78	3.356 SF		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-08 - 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	0.01	157.38	0.00	157.38					
100.00	100.00	100.00	100.00	0.13	0.13	0.01	157.38	0.00	157.38	157.11	0.27	585.355		
200.00	200.00	200.00	200.00	0.49	0.49	0.01	157.38	0.00	157.38	156.39	0.99	159.643		
300.00	300.00	300.00	300.00	0.85	0.85	0.01	157.38	0.00	157.38	155.67	1.70	92.425 CC, ES		
400.00	399.98	400.02	399.98	1.20	1.21	128.53	157.38	0.00	158.46	156.05	2.41	65.806		
500.00	499.84	500.16	499.84	1.55	1.57	129.93	157.38	0.00	161.77	158.66	3.11	51.949		
600.00	599.45	600.55	599.45	1.91	1.93	132.13	157.38	0.00	167.50	163.67	3.83	43.692		
700.00	698.70	701.30	698.70	2.29	2.29	134.94	157.38	0.00	175.93	171.37	4.57	38.528		
800.00	797.47	797.47	797.47	2.70	2.63	138.16	157.38	0.00	187.36	182.07	5.29	35.397		
900.00	895.62	895.53	895.51	3.14	2.98	141.10	157.78	-1.54	202.09	196.06	6.03	33.510		
1,000.00	993.06	993.57	993.42	3.62	3.32	143.25	159.02	-6.33	220.01	213.23	6.78	32.467		
1,100.00	1,089.64	1,091.45	1,090.95	4.14	3.68	144.70	161.11	-14.33	240.87	233.32	7.54	31.940		
1,200.00	1,185.27	1,189.05	1,187.86	4.70	4.04	145.55	164.03	-25.52	264.46	256.13	8.33	31.741		
1,300.00	1,279.82	1,286.25	1,283.91	5.31	4.41	145.91	167.76	-39.84	290.67	281.51	9.16	31.749		
1,400.00	1,373.17	1,382.90	1,378.89	5.98	4.80	145.88	172.28	-57.19	319.40	309.38	10.02	31.878		
1,500.00	1,465.22	1,478.91	1,472.57	6.70	5.22	145.59	177.57	-77.48	350.60	339.66	10.94	32.059		
1,600.00	1,556.72	1,574.68	1,565.28	7.45	5.67	145.25	183.64	-100.74	382.63	370.73	11.90	32.159		
1,700.00	1,648.21	1,670.40	1,657.07	8.21	6.16	144.50	190.47	-126.97	414.43	401.51	12.92	32.068		
1,800.00	1,739.71	1,765.84	1,747.65	8.99	6.68	143.42	198.06	-156.06	446.10	432.09	14.02	31.823		
1,900.00	1,831.20	1,860.81	1,836.73	9.77	7.24	142.10	206.36	-187.89	477.79	462.61	15.18	31.478		
2,000.00	1,922.69	1,954.96	1,924.48	10.56	7.85	140.76	214.97	-220.93	509.66	493.26	16.40	31.084		
2,100.00	2,014.19	2,049.10	2,012.21	11.35	8.47	139.58	223.58	-253.96	541.75	524.11	17.64	30.710		
2,200.00	2,105.68	2,143.25	2,099.95	12.14	9.10	138.52	232.19	-286.99	574.03	555.12	18.91	30.358		
2,300.00	2,197.18	2,237.39	2,187.69	12.94	9.75	137.58	240.80	-320.02	606.46	586.26	20.20	30.029		
2,400.00	2,288.67	2,331.53	2,275.42	13.74	10.41	136.73	249.42	-353.06	639.03	617.53	21.50	29.725		
2,500.00	2,380.17	2,425.68	2,363.16	14.54	11.07	135.97	258.03	-386.09	671.71	648.90	22.81	29.445		
2,600.00	2,471.66	2,519.82	2,450.89	15.35	11.75	135.27	266.64	-419.12	704.49	680.35	24.14	29.187		
2,700.00	2,563.16	2,613.96	2,538.63	16.15	12.42	134.64	275.25	-452.15	737.35	711.88	25.47	28.949		
2,800.00	2,654.65	2,708.11	2,626.37	16.96	13.11	134.06	283.86	-485.19	770.29	743.48	26.81	28.730		
2,900.00	2,746.15	2,802.25	2,714.10	17.76	13.79	133.53	292.47	-518.22	803.30	775.14	28.16	28.528		
3,000.00	2,837.64	2,903.61	2,801.84	18.57	14.54	133.04	301.08	-551.25	836.36	806.79	29.56	28.290		
3,100.00	2,929.14	3,009.46	2,889.58	19.38	15.32	132.58	309.69	-584.28	869.47	838.46	31.01	28.041		
3,200.00	3,020.63	3,084.68	2,977.31	20.19	15.87	132.16	318.31	-617.32	902.62	870.40	32.23	28.007		
3,300.00	3,112.13	3,178.82	3,065.05	21.00	16.57	131.77	326.92	-650.35	935.82	902.23	33.59	27.858		
3,400.00	3,203.62	3,272.97	3,152.78	21.81	17.27	131.41	335.53	-683.38	969.05	934.09	34.96	27.720		
3,500.00	3,295.12	3,367.11	3,240.52	22.63	17.98	131.07	344.14	-716.41	1,002.32	965.99	36.33	27.590		
3,600.00	3,386.61	3,461.25	3,328.26	23.44	18.68	130.75	352.75	-749.45	1,035.61	997.91	37.70	27.470		
3,700.00	3,478.10	3,555.40	3,415.99	24.25	19.38	130.45	361.36	-782.48	1,068.93	1,029.86	39.07	27.357		
3,800.00	3,569.60	3,649.54	3,503.73	25.06	20.09	130.17	369.97	-815.51	1,102.28	1,061.83	40.45	27.251		
3,900.00	3,661.09	3,743.68	3,591.47	25.88	20.80	129.91	378.59	-848.54	1,135.65	1,093.82	41.83	27.151		
4,000.00	3,752.59	3,837.83	3,679.20	26.69	21.51	129.66	387.20	-881.58	1,169.04	1,125.83	43.21	27.058		
4,100.00	3,844.08	3,931.97	3,766.94	27.50	22.22	129.43	395.81	-914.61	1,202.44	1,157.86	44.59	26.969		
4,200.00	3,935.58	4,026.11	3,854.67	28.32	22.93	129.20	404.42	-947.64	1,235.87	1,189.90	45.97	26.886		
4,300.00	4,027.07	4,120.26	3,942.41	29.13	23.64	128.99	413.03	-980.67	1,269.31	1,221.96	47.35	26.808		
4,400.00	4,118.57	4,214.40	4,030.15	29.95	24.35	128.79	421.64	-1,013.71	1,302.76	1,254.03	48.73	26.733		
4,500.00	4,210.06	4,308.54	4,117.88	30.76	25.06	128.60	430.25	-1,046.74	1,336.23	1,286.11	50.12	26.663		
4,600.00	4,301.56	4,402.69	4,205.62	31.58	25.78	128.42	438.87	-1,079.77	1,369.71	1,318.21	51.50	26.596		
4,700.00	4,393.05	4,496.83	4,293.35	32.39	26.49	128.25	447.48	-1,112.80	1,403.20	1,350.31	52.89	26.532		
4,800.00	4,484.55	4,609.03	4,381.09	33.21	27.34	128.09	456.09	-1,145.84	1,436.70	1,382.29	54.41	26.406		
4,900.00	4,576.04	4,685.11	4,468.83	34.02	27.92	127.93	464.70	-1,178.87	1,470.21	1,414.55	55.66	26.414		
5,000.00	4,667.54	4,779.26	4,556.56	34.84	28.63	127.78	473.31	-1,211.90	1,503.73	1,446.68	57.05	26.359		
5,100.00	4,759.03	4,873.40	4,644.30	35.65	29.35	127.64	481.92	-1,244.93	1,537.26	1,478.83	58.44	26.307		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-08 - 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	4,850.53	4,967.54	4,732.04	36.47	30.06	127.50	490.53	-1,277.97	1,570.80	1,510.98	59.82	26.257		
5,300.00	4,942.02	5,061.69	4,819.77	37.28	30.78	127.37	499.15	-1,311.00	1,604.34	1,543.13	61.21	26.209		
5,400.00	5,033.51	5,155.83	4,907.51	38.10	31.50	127.24	507.76	-1,344.03	1,637.90	1,575.29	62.60	26.163		
5,500.00	5,125.01	5,249.97	4,995.24	38.92	32.21	127.12	516.37	-1,377.06	1,671.46	1,607.46	63.99	26.119		
5,600.00	5,216.50	5,344.12	5,082.98	39.73	32.93	127.01	524.98	-1,410.10	1,705.02	1,639.64	65.38	26.077		
5,700.00	5,308.00	5,438.26	5,170.72	40.55	33.65	126.90	533.59	-1,443.13	1,738.59	1,671.82	66.77	26.037		
5,800.00	5,399.49	5,532.40	5,258.45	41.36	34.36	126.79	542.20	-1,476.16	1,772.17	1,704.01	68.16	25.998		
5,900.00	5,490.99	5,626.55	5,346.19	42.18	35.08	126.69	550.81	-1,509.20	1,805.75	1,736.20	69.56	25.961		
6,000.00	5,582.48	5,720.69	5,433.93	43.00	35.80	126.59	559.43	-1,542.23	1,839.34	1,768.39	70.95	25.925		
6,100.00	5,673.98	5,814.83	5,521.66	43.81	36.52	126.49	568.04	-1,575.26	1,872.93	1,800.59	72.34	25.891		
6,200.00	5,765.47	5,908.98	5,609.40	44.63	37.24	126.40	576.65	-1,608.29	1,906.53	1,832.80	73.73	25.857		
6,300.00	5,856.97	6,003.12	5,697.13	45.45	37.95	126.31	585.26	-1,641.33	1,940.13	1,865.01	75.13	25.825		
6,400.00	5,948.46	6,102.74	5,784.87	46.26	38.72	126.22	593.87	-1,674.36	1,973.74	1,897.18	76.56	25.781		
6,500.00	6,039.96	6,208.59	5,872.61	47.08	39.52	126.14	602.48	-1,707.39	2,007.35	1,929.31	78.04	25.722		
6,600.00	6,131.45	6,285.55	5,960.34	47.90	40.11	126.06	611.09	-1,740.42	2,040.96	1,961.66	79.30	25.736		
6,700.00	6,222.95	6,379.69	6,048.08	48.71	40.83	125.98	619.71	-1,773.46	2,074.58	1,993.88	80.70	25.708		
6,800.00	6,314.44	6,473.84	6,135.82	49.53	41.55	125.90	628.32	-1,806.49	2,108.20	2,026.10	82.09	25.681		
6,900.00	6,405.93	6,567.98	6,223.55	50.35	42.27	125.83	636.93	-1,839.52	2,141.82	2,058.33	83.49	25.655		
7,000.00	6,497.01	6,662.17	6,311.33	51.18	42.99	119.41	645.54	-1,872.57	2,175.33	2,090.44	84.89	25.624		
7,100.00	6,582.62	6,755.94	6,398.72	52.20	43.70	107.73	654.12	-1,905.47	2,207.28	2,120.85	86.43	25.538		
7,200.00	6,659.25	6,850.13	6,486.41	53.42	44.43	100.49	662.73	-1,938.78	2,236.76	2,148.60	88.15	25.374		
7,300.00	6,724.59	6,966.71	6,588.53	54.84	45.59	95.88	672.83	-1,993.66	2,262.74	2,172.03	90.71	24.945		
7,400.00	6,776.64	7,096.15	6,686.35	56.40	47.33	92.88	682.64	-2,077.43	2,284.05	2,189.84	94.21	24.243		
7,500.00	6,813.82	7,239.42	6,769.75	58.08	49.75	91.07	691.21	-2,193.15	2,299.73	2,200.97	98.77	23.285		
7,600.00	6,835.01	7,394.86	6,824.95	59.82	52.80	90.17	697.18	-2,337.83	2,308.91	2,204.71	104.21	22.157		
7,700.00	6,840.00	7,545.40	6,840.00	61.57	55.93	90.00	699.31	-2,487.19	2,311.14	2,201.40	109.74	21.060		
7,800.00	6,840.00	7,645.40	6,840.00	63.35	58.05	90.00	699.76	-2,587.19	2,311.10	2,197.17	113.94	20.284		
7,900.00	6,840.00	7,745.40	6,840.00	65.20	60.21	90.00	700.21	-2,687.19	2,311.07	2,192.84	118.23	19.548		
8,000.00	6,840.00	7,845.40	6,840.00	67.10	62.41	90.00	700.67	-2,787.19	2,311.04	2,188.43	122.61	18.849		
8,100.00	6,840.00	7,945.40	6,840.00	69.05	64.66	90.00	701.12	-2,887.19	2,311.00	2,183.93	127.08	18.186		
8,200.00	6,840.00	8,045.40	6,840.00	71.06	66.93	90.00	701.57	-2,987.19	2,310.97	2,179.35	131.61	17.559		
8,300.00	6,840.00	8,145.40	6,840.00	73.11	69.24	90.00	702.02	-3,087.19	2,310.93	2,174.72	136.22	16.965		
8,400.00	6,840.00	8,245.40	6,840.00	75.21	71.58	90.00	702.47	-3,187.19	2,310.90	2,170.02	140.88	16.403		
8,500.00	6,840.00	8,345.40	6,840.00	77.34	73.95	90.00	702.92	-3,287.19	2,310.87	2,165.27	145.60	15.871		
8,600.00	6,840.00	8,445.40	6,840.00	79.51	76.34	90.00	703.38	-3,387.19	2,310.83	2,160.46	150.37	15.368		
8,700.00	6,840.00	8,545.40	6,840.00	81.72	78.75	90.00	703.83	-3,487.18	2,310.80	2,155.62	155.18	14.891		
8,800.00	6,840.00	8,645.40	6,840.00	83.95	81.17	90.00	704.28	-3,587.18	2,310.76	2,150.73	160.03	14.440		
8,900.00	6,840.00	8,745.40	6,840.00	86.22	83.62	90.00	704.73	-3,687.18	2,310.73	2,145.81	164.92	14.011		
9,000.00	6,840.00	8,845.40	6,840.00	88.51	86.09	90.00	705.18	-3,787.18	2,310.69	2,140.86	169.84	13.605		
9,100.00	6,840.00	8,945.40	6,840.00	90.83	88.56	90.00	705.63	-3,887.18	2,310.66	2,135.87	174.79	13.220		
9,200.00	6,840.00	9,045.40	6,840.00	93.16	91.06	90.00	706.09	-3,987.18	2,310.63	2,130.86	179.77	12.853		
9,300.00	6,840.00	9,145.40	6,840.00	95.52	93.56	90.00	706.54	-4,087.18	2,310.59	2,125.81	184.78	12.505		
9,400.00	6,840.00	9,245.40	6,840.00	97.90	96.08	90.00	706.99	-4,187.18	2,310.56	2,120.75	189.81	12.173		
9,500.00	6,840.00	9,345.40	6,840.00	100.30	98.61	90.00	707.44	-4,287.18	2,310.52	2,115.66	194.86	11.857		
9,600.00	6,840.00	9,445.40	6,840.00	102.72	101.14	90.00	707.89	-4,387.18	2,310.49	2,110.56	199.93	11.556		
9,700.00	6,840.00	9,545.40	6,840.00	105.15	103.69	90.00	708.35	-4,487.17	2,310.46	2,105.43	205.02	11.269		
9,800.00	6,840.00	9,645.40	6,840.00	107.59	106.25	90.00	708.80	-4,587.17	2,310.42	2,100.29	210.13	10.995		
9,900.00	6,840.00	9,745.40	6,840.00	110.05	108.81	90.00	709.25	-4,687.17	2,310.39	2,095.13	215.26	10.733		
10,000.00	6,840.00	9,845.40	6,840.00	112.52	111.38	90.00	709.70	-4,787.17	2,310.35	2,089.95	220.40	10.483		
10,100.00	6,840.00	9,945.40	6,840.00	115.00	113.96	90.00	710.15	-4,887.17	2,310.32	2,084.77	225.55	10.243		
10,200.00	6,840.00	10,045.40	6,840.00	117.50	116.54	90.00	710.60	-4,987.17	2,310.28	2,079.56	230.72	10.013		
10,300.00	6,840.00	10,145.40	6,840.00	120.00	119.13	90.00	711.06	-5,087.17	2,310.25	2,074.35	235.90	9.793		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-08 - 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		
10,400.00	6,840.00	10,245.40	6,840.00	122.51	121.73	90.00	711.51	-5,187.17	2,310.22	2,069.13	241.09	9.582		
10,500.00	6,840.00	10,345.40	6,840.00	125.04	124.33	90.00	711.96	-5,287.17	2,310.18	2,063.89	246.29	9.380		
10,600.00	6,840.00	10,445.40	6,840.00	127.57	126.94	90.00	712.41	-5,387.17	2,310.15	2,058.64	251.50	9.185		
10,700.00	6,840.00	10,545.40	6,840.00	130.11	129.55	90.00	712.86	-5,487.16	2,310.11	2,053.39	256.73	8.998		
10,800.00	6,840.00	10,645.40	6,840.00	132.66	132.17	90.00	713.31	-5,587.16	2,310.08	2,048.12	261.96	8.819		
10,900.00	6,840.00	10,745.40	6,840.00	135.21	134.78	90.00	713.77	-5,687.16	2,310.05	2,042.85	267.19	8.646		
11,000.00	6,840.00	10,845.40	6,840.00	137.77	137.41	90.00	714.22	-5,787.16	2,310.01	2,037.57	272.44	8.479		
11,100.00	6,840.00	10,945.40	6,840.00	140.34	140.04	90.00	714.67	-5,887.16	2,309.98	2,032.28	277.69	8.318		
11,200.00	6,840.00	11,045.40	6,840.00	142.91	142.67	90.00	715.12	-5,987.16	2,309.94	2,026.99	282.96	8.164		
11,300.00	6,840.00	11,145.40	6,840.00	145.49	145.30	90.00	715.57	-6,087.16	2,309.91	2,021.68	288.22	8.014		
11,400.00	6,840.00	11,245.40	6,840.00	148.07	147.94	90.00	716.02	-6,187.16	2,309.87	2,016.38	293.50	7.870		
11,500.00	6,840.00	11,345.40	6,840.00	150.66	150.58	90.00	716.48	-6,287.16	2,309.84	2,011.06	298.78	7.731		
11,600.00	6,840.00	11,445.40	6,840.00	153.25	153.22	90.00	716.93	-6,387.15	2,309.81	2,005.74	304.06	7.596		
11,700.00	6,840.00	11,545.40	6,840.00	155.85	155.87	90.00	717.38	-6,487.15	2,309.77	2,000.42	309.35	7.466		
11,800.00	6,840.00	11,645.40	6,840.00	158.45	158.51	90.00	717.83	-6,587.15	2,309.74	1,995.09	314.65	7.341		
11,900.00	6,840.00	11,745.40	6,840.00	161.06	161.16	90.00	718.28	-6,687.15	2,309.70	1,989.75	319.95	7.219		
12,000.00	6,840.00	11,845.40	6,840.00	163.67	163.82	90.00	718.73	-6,787.15	2,309.67	1,984.41	325.26	7.101		
12,100.00	6,840.00	11,945.40	6,840.00	166.28	166.47	90.00	719.19	-6,887.15	2,309.63	1,979.07	330.56	6.987		
12,200.00	6,840.00	12,045.40	6,840.00	168.90	169.13	90.00	719.64	-6,987.15	2,309.60	1,973.72	335.88	6.876		
12,300.00	6,840.00	12,145.40	6,840.00	171.52	171.79	90.00	720.09	-7,087.15	2,309.57	1,968.37	341.20	6.769		
12,400.00	6,840.00	12,245.40	6,840.00	174.15	174.45	90.00	720.54	-7,187.15	2,309.53	1,963.01	346.52	6.665		
12,500.00	6,840.00	12,345.40	6,840.00	176.77	177.11	90.00	720.99	-7,287.15	2,309.50	1,957.65	351.84	6.564		
12,600.00	6,840.00	12,445.40	6,840.00	179.40	179.78	90.00	721.45	-7,387.14	2,309.46	1,952.29	357.17	6.466		
12,700.00	6,840.00	12,545.40	6,840.00	182.04	182.44	90.00	721.90	-7,487.14	2,309.43	1,946.93	362.50	6.371		
12,800.00	6,840.00	12,645.40	6,840.00	184.67	185.11	90.00	722.35	-7,587.14	2,309.40	1,941.56	367.84	6.278		
12,900.00	6,840.00	12,745.40	6,840.00	187.31	187.78	90.00	722.80	-7,687.14	2,309.36	1,936.18	373.18	6.188		
13,000.00	6,840.00	12,845.40	6,840.00	189.95	190.45	90.00	723.25	-7,787.14	2,309.33	1,930.81	378.52	6.101		
13,100.00	6,840.00	12,945.40	6,840.00	192.59	193.12	90.00	723.70	-7,887.14	2,309.29	1,925.43	383.86	6.016		
13,200.00	6,840.00	13,045.40	6,840.00	195.24	195.79	90.00	724.16	-7,987.14	2,309.26	1,920.05	389.21	5.933		
13,300.00	6,840.00	13,145.40	6,840.00	197.88	198.47	90.00	724.61	-8,087.14	2,309.22	1,914.67	394.56	5.853		
13,400.00	6,840.00	13,245.40	6,840.00	200.53	201.14	90.00	725.06	-8,187.14	2,309.19	1,909.28	399.91	5.774		
13,500.00	6,840.00	13,345.40	6,840.00	203.18	203.82	90.00	725.51	-8,287.14	2,309.16	1,903.89	405.26	5.698		
13,600.00	6,840.00	13,445.40	6,840.00	205.83	206.50	90.00	725.96	-8,387.13	2,309.12	1,898.50	410.62	5.624		
13,700.00	6,840.00	13,545.40	6,840.00	208.49	209.18	90.00	726.41	-8,487.13	2,309.09	1,893.11	415.98	5.551		
13,800.00	6,840.00	13,645.40	6,840.00	211.14	211.86	90.00	726.87	-8,587.13	2,309.05	1,887.72	421.34	5.480		
13,900.00	6,840.00	13,745.40	6,840.00	213.80	214.54	90.00	727.32	-8,687.13	2,309.02	1,882.32	426.70	5.411		
14,000.00	6,840.00	13,845.40	6,840.00	216.46	217.22	90.00	727.77	-8,787.13	2,308.99	1,876.92	432.06	5.344		
14,100.00	6,840.00	13,945.40	6,840.00	219.12	219.90	90.00	728.22	-8,887.13	2,308.95	1,871.52	437.43	5.278		
14,200.00	6,840.00	14,045.40	6,840.00	221.78	222.59	90.00	728.67	-8,987.13	2,308.92	1,866.12	442.80	5.214		
14,300.00	6,840.00	14,145.40	6,840.00	224.45	225.27	90.00	729.12	-9,087.13	2,308.88	1,860.72	448.17	5.152		
14,400.00	6,840.00	14,245.40	6,840.00	227.11	227.96	90.00	729.58	-9,187.13	2,308.85	1,855.31	453.54	5.091		
14,500.00	6,840.00	14,345.40	6,840.00	229.78	230.65	90.00	730.03	-9,287.13	2,308.81	1,849.90	458.91	5.031		
14,600.00	6,840.00	14,445.40	6,840.00	232.45	233.33	90.00	730.48	-9,387.12	2,308.78	1,844.49	464.29	4.973		
14,700.00	6,840.00	14,545.40	6,840.00	235.12	236.02	90.00	730.93	-9,487.12	2,308.75	1,839.08	469.66	4.916		
14,800.00	6,840.00	14,645.40	6,840.00	237.79	238.71	90.00	731.38	-9,587.12	2,308.71	1,833.67	475.04	4.860		
14,900.00	6,840.00	14,745.40	6,840.00	240.46	241.40	90.00	731.83	-9,687.12	2,308.68	1,828.26	480.42	4.806		
15,000.00	6,840.00	14,845.40	6,840.00	243.13	244.09	90.00	732.29	-9,787.12	2,308.64	1,822.85	485.80	4.752		
15,100.00	6,840.00	14,945.40	6,840.00	245.80	246.78	90.00	732.74	-9,887.12	2,308.61	1,817.43	491.18	4.700		
15,200.00	6,840.00	15,045.40	6,840.00	248.48	249.47	90.00	733.19	-9,987.12	2,308.58	1,812.01	496.56	4.649		
15,300.00	6,840.00	15,145.40	6,840.00	251.15	252.16	90.00	733.64	-10,087.12	2,308.54	1,806.59	501.95	4.599		
15,400.00	6,840.00	15,245.40	6,840.00	253.83	254.86	90.00	734.09	-10,187.12	2,308.51	1,801.18	507.33	4.550		
15,500.00	6,840.00	15,345.40	6,840.00	256.51	257.55	90.00	734.55	-10,287.12	2,308.47	1,795.75	512.72	4.502		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-08 - 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		
15,600.00	6,840.00	15,445.40	6,840.00	259.19	260.24	90.00	735.00	-10,387.11	2,308.44	1,790.33	518.11	4.456		
15,700.00	6,840.00	15,545.40	6,840.00	261.87	262.94	90.00	735.45	-10,487.11	2,308.40	1,784.91	523.49	4.410		
15,800.00	6,840.00	15,645.40	6,840.00	264.55	265.63	90.00	735.90	-10,587.11	2,308.37	1,779.49	528.88	4.365		
15,900.00	6,840.00	15,745.40	6,840.00	267.23	268.33	90.00	736.35	-10,687.11	2,308.34	1,774.06	534.27	4.321		
16,000.00	6,840.00	15,845.40	6,840.00	269.91	271.02	90.00	736.80	-10,787.11	2,308.30	1,768.64	539.67	4.277		
16,100.00	6,840.00	15,945.40	6,840.00	272.59	273.72	90.00	737.26	-10,887.11	2,308.27	1,763.21	545.06	4.235		
16,200.00	6,840.00	16,045.40	6,840.00	275.28	276.42	90.00	737.71	-10,987.11	2,308.23	1,757.78	550.45	4.193		
16,300.00	6,840.00	16,145.40	6,840.00	277.96	279.11	90.00	738.16	-11,087.11	2,308.20	1,752.35	555.85	4.153		
16,400.00	6,840.00	16,245.40	6,840.00	280.64	281.81	90.00	738.61	-11,187.11	2,308.17	1,746.92	561.24	4.113		
16,500.00	6,840.00	16,345.40	6,840.00	283.33	284.51	90.00	739.06	-11,287.10	2,308.13	1,741.49	566.64	4.073		
16,600.00	6,840.00	16,445.40	6,840.00	286.02	287.21	90.00	739.51	-11,387.10	2,308.10	1,736.06	572.03	4.035		
16,700.00	6,840.00	16,545.40	6,840.00	288.70	289.90	90.00	739.97	-11,487.10	2,308.06	1,730.63	577.43	3.997		
16,800.00	6,840.00	16,645.40	6,840.00	291.39	292.60	90.00	740.42	-11,587.10	2,308.03	1,725.20	582.83	3.960		
16,900.00	6,840.00	16,745.40	6,840.00	294.08	295.30	90.00	740.87	-11,687.10	2,307.99	1,719.76	588.23	3.924		
17,000.00	6,840.00	16,845.40	6,840.00	296.77	298.00	90.00	741.32	-11,787.10	2,307.96	1,714.33	593.63	3.888		
17,100.00	6,840.00	16,945.40	6,840.00	299.46	300.70	90.00	741.77	-11,887.10	2,307.93	1,708.90	599.03	3.853		
17,200.00	6,840.00	17,045.40	6,840.00	302.14	303.40	90.00	742.22	-11,987.10	2,307.89	1,703.46	604.43	3.818		
17,300.00	6,840.00	17,145.40	6,840.00	304.84	306.11	90.00	742.68	-12,087.10	2,307.86	1,698.02	609.83	3.784		
17,400.00	6,840.00	17,245.40	6,840.00	307.53	308.81	90.00	743.13	-12,187.10	2,307.82	1,692.59	615.24	3.751		
17,500.00	6,840.00	17,345.40	6,840.00	310.22	311.51	90.00	743.58	-12,287.09	2,307.79	1,687.15	620.64	3.718		
17,600.00	6,840.00	17,445.40	6,840.00	312.91	314.21	90.00	744.03	-12,387.09	2,307.75	1,681.71	626.04	3.686		
17,700.00	6,840.00	17,545.40	6,840.00	315.60	316.91	90.00	744.48	-12,487.09	2,307.72	1,676.27	631.45	3.655		
17,800.00	6,840.00	17,645.40	6,840.00	318.29	319.62	90.00	744.93	-12,587.09	2,307.69	1,670.83	636.85	3.624		
17,900.00	6,840.00	17,745.40	6,840.00	320.99	322.32	90.00	745.39	-12,687.09	2,307.65	1,665.39	642.26	3.593		
18,000.00	6,840.00	17,845.40	6,840.00	323.68	325.02	90.00	745.84	-12,787.09	2,307.62	1,659.95	647.67	3.563		
18,100.00	6,840.00	17,945.40	6,840.00	326.38	327.72	90.00	746.29	-12,887.09	2,307.58	1,654.51	653.07	3.533		
18,200.00	6,840.00	18,045.40	6,840.00	329.07	330.43	90.00	746.74	-12,987.09	2,307.55	1,649.07	658.48	3.504		
18,300.00	6,840.00	18,145.40	6,840.00	331.77	333.13	90.00	747.19	-13,087.09	2,307.52	1,643.63	663.89	3.476		
18,400.00	6,840.00	18,245.40	6,840.00	334.46	335.84	90.00	747.65	-13,187.09	2,307.48	1,638.18	669.30	3.448		
18,500.00	6,840.00	18,345.40	6,840.00	337.16	338.54	90.00	748.10	-13,287.08	2,307.45	1,632.74	674.71	3.420		
18,600.00	6,840.00	18,445.40	6,840.00	339.85	341.25	90.00	748.55	-13,387.08	2,307.41	1,627.30	680.12	3.393		
18,700.00	6,840.00	18,545.40	6,840.00	342.55	343.95	90.00	749.00	-13,487.08	2,307.38	1,621.85	685.53	3.366		
18,800.00	6,840.00	18,645.40	6,840.00	345.25	346.66	90.00	749.45	-13,587.08	2,307.34	1,616.41	690.94	3.339		
18,900.00	6,840.00	18,745.40	6,840.00	347.94	349.36	90.00	749.90	-13,687.08	2,307.31	1,610.96	696.35	3.313		
19,000.00	6,840.00	18,845.40	6,840.00	350.64	352.07	90.00	750.36	-13,787.08	2,307.28	1,605.52	701.76	3.288		
19,100.00	6,840.00	18,945.40	6,840.00	353.34	354.77	90.00	750.81	-13,887.08	2,307.24	1,600.07	707.17	3.263		
19,200.00	6,840.00	19,045.40	6,840.00	356.04	357.48	90.00	751.26	-13,987.08	2,307.21	1,594.63	712.58	3.238		
19,300.00	6,840.00	19,145.40	6,840.00	358.74	360.18	90.00	751.71	-14,087.08	2,307.17	1,589.18	717.99	3.213		
19,400.00	6,840.00	19,245.40	6,840.00	361.44	362.89	90.00	752.16	-14,187.08	2,307.14	1,583.73	723.41	3.189		
19,500.00	6,840.00	19,345.40	6,840.00	364.13	365.60	90.00	752.61	-14,287.07	2,307.11	1,578.28	728.82	3.166		
19,600.00	6,840.00	19,445.40	6,840.00	366.83	368.30	90.00	753.07	-14,387.07	2,307.07	1,572.84	734.23	3.142		
19,700.00	6,840.00	19,545.40	6,840.00	369.53	371.01	90.00	753.52	-14,487.07	2,307.04	1,567.39	739.65	3.119		
19,800.00	6,840.00	19,645.40	6,840.00	372.23	373.72	90.00	753.97	-14,587.07	2,307.00	1,561.94	745.06	3.096		
19,900.00	6,840.00	19,745.40	6,840.00	374.94	376.43	90.00	754.42	-14,687.07	2,306.97	1,556.49	750.48	3.074		
20,000.00	6,840.00	19,845.40	6,840.00	377.64	379.13	90.00	754.87	-14,787.07	2,306.93	1,551.04	755.89	3.052		
20,100.00	6,840.00	19,945.40	6,840.00	380.34	381.84	90.00	755.32	-14,887.07	2,306.90	1,545.59	761.31	3.030		
20,200.00	6,840.00	20,045.40	6,840.00	383.04	384.55	90.00	755.78	-14,987.07	2,306.87	1,540.14	766.73	3.009		
20,300.00	6,840.00	20,145.40	6,840.00	385.74	387.26	90.00	756.23	-15,087.07	2,306.83	1,534.69	772.14	2.988		
20,400.00	6,840.00	20,245.40	6,840.00	388.44	389.97	90.00	756.68	-15,187.06	2,306.80	1,529.24	777.56	2.967		
20,500.00	6,840.00	20,345.40	6,840.00	391.14	392.67	90.00	757.13	-15,287.06	2,306.76	1,523.79	782.98	2.946		
20,552.28	6,840.00	20,397.67	6,840.00	392.56	394.09	90.00	757.37	-15,339.34	2,306.75	1,520.94	785.81	2.936 SF		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-09 - 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	0.00	134.79	0.00	134.79					
100.00	100.00	100.00	100.00	0.13	0.13	0.00	134.79	0.00	134.79	134.52	0.27	501.359		
200.00	200.00	200.00	200.00	0.49	0.49	0.00	134.79	0.00	134.79	133.81	0.99	136.734		
300.00	300.00	300.00	300.00	0.85	0.85	0.00	134.79	0.00	134.79	133.09	1.70	79.162 CC, ES		
400.00	399.98	400.02	399.98	1.20	1.21	128.61	134.79	0.00	135.88	133.47	2.41	56.428		
500.00	499.84	500.16	499.84	1.55	1.57	130.25	134.79	0.00	139.20	136.09	3.11	44.701		
600.00	599.45	600.55	599.45	1.91	1.93	132.78	134.79	0.00	144.99	141.16	3.83	37.821		
700.00	698.70	701.30	698.70	2.29	2.29	135.99	134.79	0.00	153.55	148.99	4.57	33.631		
800.00	797.47	802.53	797.47	2.70	2.65	139.59	134.79	0.00	165.21	159.90	5.31	31.117		
900.00	895.62	904.38	895.62	3.14	3.02	143.32	134.79	0.00	180.25	174.19	6.06	29.733		
1,000.00	993.06	993.06	993.06	3.62	3.34	146.96	134.79	0.00	198.87	192.10	6.77	29.364		
1,100.00	1,089.64	1,091.67	1,091.66	4.14	3.68	150.06	134.96	-1.46	220.78	213.26	7.52	29.373		
1,200.00	1,185.27	1,190.67	1,190.53	4.70	4.03	152.19	135.50	-6.30	245.18	236.91	8.27	29.658		
1,300.00	1,279.82	1,289.83	1,289.34	5.31	4.38	153.54	136.42	-14.56	271.76	262.72	9.04	30.077		
1,400.00	1,373.17	1,389.08	1,387.88	5.98	4.74	154.26	137.72	-26.22	300.31	290.48	9.83	30.553		
1,500.00	1,465.22	1,488.31	1,485.95	6.70	5.12	154.53	139.39	-41.26	330.70	320.04	10.66	31.028		
1,600.00	1,556.72	1,588.04	1,583.92	7.45	5.52	154.53	141.46	-59.77	361.09	349.58	11.52	31.358		
1,700.00	1,648.21	1,688.46	1,681.85	8.21	5.95	154.03	143.92	-81.82	390.27	377.85	12.42	31.411		
1,800.00	1,739.71	1,789.34	1,779.39	8.99	6.41	153.13	146.77	-107.39	418.28	404.89	13.39	31.227		
1,900.00	1,831.20	1,890.44	1,876.17	9.77	6.92	151.90	150.01	-136.43	445.24	430.81	14.44	30.843		
2,000.00	1,922.69	1,991.49	1,971.82	10.56	7.47	150.40	153.62	-168.82	471.31	455.75	15.56	30.293		
2,100.00	2,014.19	2,091.56	2,065.35	11.35	8.06	148.67	157.56	-204.16	496.67	479.91	16.76	29.630		
2,200.00	2,105.68	2,187.24	2,154.34	12.14	8.67	147.05	161.46	-239.10	522.07	504.08	17.99	29.013		
2,300.00	2,197.18	2,282.93	2,243.34	12.94	9.30	145.57	165.36	-274.04	547.84	528.58	19.26	28.444		
2,400.00	2,288.67	2,378.62	2,332.33	13.74	9.94	144.23	169.25	-308.98	573.92	553.36	20.55	27.921		
2,500.00	2,380.17	2,474.30	2,421.32	14.54	10.60	143.00	173.15	-343.92	600.27	578.40	21.87	27.443		
2,600.00	2,471.66	2,569.99	2,510.32	15.35	11.27	141.88	177.05	-378.86	626.87	603.65	23.21	27.008		
2,700.00	2,563.16	2,665.68	2,599.31	16.15	11.94	140.84	180.94	-413.81	653.67	629.10	24.56	26.610		
2,800.00	2,654.65	2,761.36	2,688.30	16.96	12.63	139.89	184.84	-448.75	680.65	654.72	25.93	26.247		
2,900.00	2,746.15	2,857.05	2,777.30	17.76	13.32	139.01	188.74	-483.69	707.80	680.49	27.31	25.916		
3,000.00	2,837.64	2,952.74	2,866.29	18.57	14.02	138.19	192.63	-518.63	735.10	706.40	28.70	25.613		
3,100.00	2,929.14	3,048.42	2,955.28	19.38	14.72	137.43	196.53	-553.57	762.53	732.43	30.10	25.336		
3,200.00	3,020.63	3,144.11	3,044.28	20.19	15.42	136.72	200.43	-588.51	790.07	758.57	31.50	25.081		
3,300.00	3,112.13	3,239.80	3,133.27	21.00	16.13	136.06	204.33	-623.46	817.71	784.80	32.91	24.846		
3,400.00	3,203.62	3,335.48	3,222.26	21.81	16.85	135.45	208.22	-658.40	845.45	811.13	34.33	24.630		
3,500.00	3,295.12	3,431.17	3,311.26	22.63	17.56	134.87	212.12	-693.34	873.28	837.54	35.75	24.431		
3,600.00	3,386.61	3,526.86	3,400.25	23.44	18.28	134.33	216.02	-728.28	901.18	864.02	37.17	24.246		
3,700.00	3,478.10	3,622.54	3,489.24	24.25	19.00	133.82	219.91	-763.22	929.16	890.56	38.60	24.074		
3,800.00	3,569.60	3,718.23	3,578.24	25.06	19.72	133.34	223.81	-798.16	957.20	917.17	40.02	23.915		
3,900.00	3,661.09	3,813.92	3,667.23	25.88	20.44	132.88	227.71	-833.11	985.29	943.84	41.46	23.767		
4,000.00	3,752.59	3,909.60	3,756.22	26.69	21.17	132.46	231.60	-868.05	1,013.45	970.55	42.89	23.628		
4,100.00	3,844.08	4,005.29	3,845.21	27.50	21.90	132.05	235.50	-902.99	1,041.65	997.32	44.33	23.499		
4,200.00	3,935.58	4,100.98	3,934.21	28.32	22.62	131.67	239.40	-937.93	1,069.89	1,024.13	45.77	23.377		
4,300.00	4,027.07	4,203.34	4,023.20	29.13	23.40	131.30	243.29	-972.87	1,098.18	1,050.92	47.26	23.238		
4,400.00	4,118.57	4,307.65	4,112.19	29.95	24.20	130.96	247.19	-1,007.81	1,126.51	1,077.74	48.76	23.101		
4,500.00	4,210.06	4,388.03	4,201.19	30.76	24.81	130.63	251.09	-1,042.76	1,154.87	1,104.78	50.09	23.056		
4,600.00	4,301.56	4,483.72	4,290.18	31.58	25.55	130.32	254.99	-1,077.70	1,183.27	1,131.74	51.53	22.961		
4,700.00	4,393.05	4,579.41	4,379.17	32.39	26.28	130.02	258.88	-1,112.64	1,211.70	1,158.72	52.98	22.872		
4,800.00	4,484.55	4,675.09	4,468.17	33.21	27.01	129.73	262.78	-1,147.58	1,240.15	1,185.73	54.42	22.787		
4,900.00	4,576.04	4,770.78	4,557.16	34.02	27.74	129.46	266.68	-1,182.52	1,268.64	1,212.77	55.87	22.707		
5,000.00	4,667.54	4,866.47	4,646.15	34.84	28.48	129.20	270.57	-1,217.46	1,297.15	1,239.83	57.32	22.631		
5,100.00	4,759.03	4,962.15	4,735.15	35.65	29.21	128.95	274.47	-1,252.41	1,325.68	1,266.92	58.76	22.559		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-09 - 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	4,850.53	5,057.84	4,824.14	36.47	29.95	128.71	278.37	-1,287.35	1,354.24	1,294.02	60.21	22.491		
5,300.00	4,942.02	5,153.53	4,913.13	37.28	30.69	128.48	282.26	-1,322.29	1,382.81	1,321.15	61.66	22.426		
5,400.00	5,033.51	5,249.21	5,002.13	38.10	31.42	128.26	286.16	-1,357.23	1,411.41	1,348.29	63.11	22.364		
5,500.00	5,125.01	5,344.90	5,091.12	38.92	32.16	128.05	290.06	-1,392.17	1,440.02	1,375.46	64.56	22.305		
5,600.00	5,216.50	5,440.59	5,180.11	39.73	32.90	127.85	293.96	-1,427.11	1,468.65	1,402.64	66.01	22.248		
5,700.00	5,308.00	5,536.27	5,269.11	40.55	33.64	127.65	297.85	-1,462.05	1,497.30	1,429.84	67.46	22.194		
5,800.00	5,399.49	5,631.96	5,358.10	41.36	34.37	127.47	301.75	-1,497.00	1,525.96	1,457.05	68.91	22.143		
5,900.00	5,490.99	5,727.65	5,447.09	42.18	35.11	127.29	305.65	-1,531.94	1,554.64	1,484.27	70.37	22.094		
6,000.00	5,582.48	5,823.33	5,536.09	43.00	35.85	127.11	309.54	-1,566.88	1,583.33	1,511.51	71.82	22.047		
6,100.00	5,673.98	5,919.02	5,625.08	43.81	36.59	126.94	313.44	-1,601.82	1,612.03	1,538.76	73.27	22.001		
6,200.00	5,765.47	6,014.71	5,714.07	44.63	37.33	126.78	317.34	-1,636.76	1,640.75	1,566.03	74.72	21.958		
6,300.00	5,856.97	6,110.39	5,803.07	45.45	38.07	126.62	321.23	-1,671.70	1,669.48	1,593.30	76.17	21.917		
6,400.00	5,948.46	6,206.08	5,892.06	46.26	38.81	126.47	325.13	-1,706.65	1,698.21	1,620.59	77.63	21.877		
6,500.00	6,039.96	6,301.76	5,981.05	47.08	39.55	126.33	329.03	-1,741.59	1,726.96	1,647.88	79.08	21.838		
6,600.00	6,131.45	6,402.55	6,070.05	47.90	40.33	126.19	332.93	-1,776.53	1,755.72	1,675.15	80.57	21.790		
6,700.00	6,222.95	6,506.86	6,159.04	48.71	41.14	126.05	336.82	-1,811.47	1,784.49	1,702.40	82.09	21.737		
6,800.00	6,314.44	6,588.82	6,248.03	49.53	41.77	125.92	340.72	-1,846.41	1,813.27	1,729.83	83.44	21.731		
6,900.00	6,405.93	6,684.51	6,337.03	50.35	42.51	125.79	344.62	-1,881.35	1,842.06	1,757.16	84.89	21.698		
7,000.00	6,497.01	6,780.25	6,426.07	51.18	43.25	119.53	348.52	-1,916.32	1,870.73	1,784.37	86.36	21.662		
7,100.00	6,582.62	6,878.07	6,516.41	52.20	44.05	108.38	352.48	-1,953.55	1,897.85	1,809.84	88.00	21.566		
7,200.00	6,659.25	6,980.93	6,604.46	53.42	45.14	101.32	356.42	-2,006.30	1,922.24	1,832.02	90.23	21.305		
7,300.00	6,724.59	7,087.32	6,684.11	54.84	46.60	96.57	360.09	-2,076.50	1,943.14	1,850.03	93.11	20.869		
7,400.00	6,776.64	7,197.25	6,751.35	56.40	48.42	93.36	363.31	-2,163.21	1,959.87	1,863.23	96.63	20.281		
7,500.00	6,813.82	7,310.37	6,801.97	58.08	50.57	91.31	365.90	-2,264.13	1,971.87	1,871.14	100.72	19.577		
7,600.00	6,835.01	7,425.90	6,832.23	59.82	52.94	90.23	367.68	-2,375.40	1,978.73	1,873.52	105.21	18.807		
7,700.00	6,840.00	7,539.45	6,840.00	61.57	55.35	90.00	368.53	-2,488.52	1,980.35	1,870.59	109.76	18.042		
7,800.00	6,840.00	7,639.45	6,840.00	63.35	57.50	90.00	368.99	-2,588.52	1,980.33	1,866.36	113.97	17.376		
7,900.00	6,840.00	7,739.45	6,840.00	65.20	59.69	90.00	369.45	-2,688.52	1,980.30	1,862.03	118.27	16.744		
8,000.00	6,840.00	7,839.45	6,840.00	67.10	61.93	90.00	369.91	-2,788.52	1,980.28	1,857.61	122.67	16.144		
8,100.00	6,840.00	7,939.45	6,840.00	69.05	64.20	90.00	370.37	-2,888.52	1,980.25	1,853.11	127.14	15.575		
8,200.00	6,840.00	8,039.45	6,840.00	71.06	66.51	90.00	370.83	-2,988.52	1,980.22	1,848.54	131.69	15.037		
8,300.00	6,840.00	8,139.45	6,840.00	73.11	68.84	90.00	371.29	-3,088.51	1,980.20	1,843.90	136.30	14.528		
8,400.00	6,840.00	8,239.45	6,840.00	75.21	71.21	90.00	371.75	-3,188.51	1,980.17	1,839.20	140.97	14.047		
8,500.00	6,840.00	8,339.45	6,840.00	77.34	73.60	90.00	372.21	-3,288.51	1,980.15	1,834.45	145.70	13.591		
8,600.00	6,840.00	8,439.45	6,840.00	79.51	76.01	90.00	372.67	-3,388.51	1,980.12	1,829.65	150.47	13.160		
8,700.00	6,840.00	8,539.45	6,840.00	81.72	78.44	90.00	373.13	-3,488.51	1,980.10	1,824.81	155.29	12.751		
8,800.00	6,840.00	8,639.45	6,840.00	83.95	80.89	90.00	373.59	-3,588.51	1,980.07	1,819.92	160.14	12.364		
8,900.00	6,840.00	8,739.45	6,840.00	86.22	83.35	90.00	374.05	-3,688.51	1,980.04	1,815.01	165.04	11.997		
9,000.00	6,840.00	8,839.45	6,840.00	88.51	85.83	90.00	374.51	-3,788.51	1,980.02	1,810.05	169.97	11.650		
9,100.00	6,840.00	8,939.45	6,840.00	90.83	88.33	90.00	374.97	-3,888.51	1,979.99	1,805.07	174.92	11.319		
9,200.00	6,840.00	9,039.45	6,840.00	93.16	90.84	90.00	375.43	-3,988.50	1,979.97	1,800.06	179.91	11.005		
9,300.00	6,840.00	9,139.45	6,840.00	95.52	93.36	90.00	375.89	-4,088.50	1,979.94	1,795.02	184.92	10.707		
9,400.00	6,840.00	9,239.45	6,840.00	97.90	95.89	90.00	376.35	-4,188.50	1,979.92	1,789.96	189.95	10.423		
9,500.00	6,840.00	9,339.45	6,840.00	100.30	98.43	90.00	376.81	-4,288.50	1,979.89	1,784.88	195.01	10.153		
9,600.00	6,840.00	9,439.45	6,840.00	102.72	100.98	90.00	377.27	-4,388.50	1,979.86	1,779.78	200.08	9.895		
9,700.00	6,840.00	9,539.45	6,840.00	105.15	103.54	90.00	377.73	-4,488.50	1,979.84	1,774.66	205.18	9.649		
9,800.00	6,840.00	9,639.45	6,840.00	107.59	106.11	90.00	378.19	-4,588.50	1,979.81	1,769.52	210.29	9.415		
9,900.00	6,840.00	9,739.45	6,840.00	110.05	108.68	90.00	378.65	-4,688.50	1,979.79	1,764.37	215.42	9.190		
10,000.00	6,840.00	9,839.45	6,840.00	112.52	111.26	90.00	379.11	-4,788.50	1,979.76	1,759.20	220.56	8.976		
10,100.00	6,840.00	9,939.45	6,840.00	115.00	113.85	90.00	379.57	-4,888.50	1,979.74	1,754.02	225.72	8.771		
10,200.00	6,840.00	10,039.45	6,840.00	117.50	116.45	90.00	380.03	-4,988.49	1,979.71	1,748.82	230.89	8.574		
10,300.00	6,840.00	10,139.45	6,840.00	120.00	119.05	90.00	380.49	-5,088.49	1,979.68	1,743.61	236.07	8.386		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-09 - 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		
10,400.00	6,840.00	10,239.45	6,840.00	122.51	121.65	90.00	380.95	-5,188.49	1,979.66	1,738.39	241.27	8.205		
10,500.00	6,840.00	10,339.45	6,840.00	125.04	124.26	90.00	381.41	-5,288.49	1,979.63	1,733.16	246.47	8.032		
10,600.00	6,840.00	10,439.45	6,840.00	127.57	126.87	90.00	381.87	-5,388.49	1,979.61	1,727.92	251.68	7.865		
10,700.00	6,840.00	10,539.45	6,840.00	130.11	129.49	90.00	382.33	-5,488.49	1,979.58	1,722.67	256.91	7.705		
10,800.00	6,840.00	10,639.45	6,840.00	132.66	132.12	90.00	382.79	-5,588.49	1,979.56	1,717.42	262.14	7.552		
10,900.00	6,840.00	10,739.45	6,840.00	135.21	134.74	90.00	383.25	-5,688.49	1,979.53	1,712.15	267.38	7.403		
11,000.00	6,840.00	10,839.45	6,840.00	137.77	137.37	90.00	383.71	-5,788.49	1,979.51	1,706.88	272.63	7.261		
11,100.00	6,840.00	10,939.45	6,840.00	140.34	140.01	90.00	384.17	-5,888.48	1,979.48	1,701.59	277.88	7.123		
11,200.00	6,840.00	11,039.45	6,840.00	142.91	142.64	90.00	384.63	-5,988.48	1,979.45	1,696.31	283.15	6.991		
11,300.00	6,840.00	11,139.45	6,840.00	145.49	145.28	90.00	385.10	-6,088.48	1,979.43	1,691.01	288.42	6.863		
11,400.00	6,840.00	11,239.45	6,840.00	148.07	147.93	90.00	385.56	-6,188.48	1,979.40	1,685.71	293.69	6.740		
11,500.00	6,840.00	11,339.45	6,840.00	150.66	150.57	90.00	386.02	-6,288.48	1,979.38	1,680.40	298.97	6.621		
11,600.00	6,840.00	11,439.45	6,840.00	153.25	153.22	90.00	386.48	-6,388.48	1,979.35	1,675.09	304.26	6.505		
11,700.00	6,840.00	11,539.45	6,840.00	155.85	155.87	90.00	386.94	-6,488.48	1,979.33	1,669.77	309.55	6.394		
11,800.00	6,840.00	11,639.45	6,840.00	158.45	158.52	90.00	387.40	-6,588.48	1,979.30	1,664.45	314.85	6.286		
11,900.00	6,840.00	11,739.45	6,840.00	161.06	161.18	90.00	387.86	-6,688.48	1,979.27	1,659.12	320.15	6.182		
12,000.00	6,840.00	11,839.45	6,840.00	163.67	163.84	90.00	388.32	-6,788.47	1,979.25	1,653.79	325.46	6.081		
12,100.00	6,840.00	11,939.45	6,840.00	166.28	166.50	90.00	388.78	-6,888.47	1,979.22	1,648.45	330.77	5.984		
12,200.00	6,840.00	12,039.45	6,840.00	168.90	169.16	90.00	389.24	-6,988.47	1,979.20	1,643.11	336.08	5.889		
12,300.00	6,840.00	12,139.45	6,840.00	171.52	171.82	90.00	389.70	-7,088.47	1,979.17	1,637.77	341.40	5.797		
12,400.00	6,840.00	12,239.45	6,840.00	174.15	174.48	90.00	390.16	-7,188.47	1,979.15	1,632.42	346.73	5.708		
12,500.00	6,840.00	12,339.45	6,840.00	176.77	177.15	90.00	390.62	-7,288.47	1,979.12	1,627.07	352.05	5.622		
12,600.00	6,840.00	12,439.45	6,840.00	179.40	179.82	90.00	391.08	-7,388.47	1,979.09	1,621.71	357.38	5.538		
12,700.00	6,840.00	12,539.45	6,840.00	182.04	182.49	90.00	391.54	-7,488.47	1,979.07	1,616.35	362.71	5.456		
12,800.00	6,840.00	12,639.45	6,840.00	184.67	185.16	90.00	392.00	-7,588.47	1,979.04	1,610.99	368.05	5.377		
12,900.00	6,840.00	12,739.45	6,840.00	187.31	187.83	90.00	392.46	-7,688.47	1,979.02	1,605.63	373.39	5.300		
13,000.00	6,840.00	12,839.45	6,840.00	189.95	190.51	90.00	392.92	-7,788.46	1,978.99	1,600.26	378.73	5.225		
13,100.00	6,840.00	12,939.45	6,840.00	192.59	193.18	90.00	393.38	-7,888.46	1,978.97	1,594.89	384.08	5.153		
13,200.00	6,840.00	13,039.45	6,840.00	195.24	195.86	90.00	393.84	-7,988.46	1,978.94	1,589.52	389.42	5.082		
13,300.00	6,840.00	13,139.45	6,840.00	197.88	198.54	90.00	394.30	-8,088.46	1,978.91	1,584.14	394.77	5.013		
13,400.00	6,840.00	13,239.45	6,840.00	200.53	201.21	90.00	394.76	-8,188.46	1,978.89	1,578.76	400.13	4.946		
13,500.00	6,840.00	13,339.45	6,840.00	203.18	203.89	90.00	395.22	-8,288.46	1,978.86	1,573.38	405.48	4.880		
13,600.00	6,840.00	13,439.45	6,840.00	205.83	206.58	90.00	395.68	-8,388.46	1,978.84	1,568.00	410.84	4.817		
13,700.00	6,840.00	13,539.45	6,840.00	208.49	209.26	90.00	396.14	-8,488.46	1,978.81	1,562.62	416.20	4.755		
13,800.00	6,840.00	13,639.45	6,840.00	211.14	211.94	90.00	396.60	-8,588.46	1,978.79	1,557.23	421.56	4.694		
13,900.00	6,840.00	13,739.45	6,840.00	213.80	214.62	90.00	397.06	-8,688.45	1,978.76	1,551.84	426.92	4.635		
14,000.00	6,840.00	13,839.45	6,840.00	216.46	217.31	90.00	397.52	-8,788.45	1,978.74	1,546.45	432.29	4.577		
14,100.00	6,840.00	13,939.45	6,840.00	219.12	219.99	90.00	397.98	-8,888.45	1,978.71	1,541.06	437.65	4.521		
14,200.00	6,840.00	14,039.45	6,840.00	221.78	222.68	90.00	398.44	-8,988.45	1,978.68	1,535.66	443.02	4.466		
14,300.00	6,840.00	14,139.45	6,840.00	224.45	225.37	90.00	398.90	-9,088.45	1,978.66	1,530.27	448.39	4.413		
14,400.00	6,840.00	14,239.45	6,840.00	227.11	228.06	90.00	399.36	-9,188.45	1,978.63	1,524.87	453.76	4.360		
14,500.00	6,840.00	14,339.45	6,840.00	229.78	230.74	90.00	399.82	-9,288.45	1,978.61	1,519.47	459.14	4.309		
14,600.00	6,840.00	14,439.45	6,840.00	232.45	233.43	90.00	400.28	-9,388.45	1,978.58	1,514.07	464.51	4.259		
14,700.00	6,840.00	14,539.45	6,840.00	235.12	236.12	90.00	400.74	-9,488.45	1,978.56	1,508.67	469.89	4.211		
14,800.00	6,840.00	14,639.45	6,840.00	237.79	238.81	90.00	401.20	-9,588.45	1,978.53	1,503.26	475.27	4.163		
14,900.00	6,840.00	14,739.45	6,840.00	240.46	241.51	90.00	401.66	-9,688.44	1,978.50	1,497.86	480.65	4.116		
15,000.00	6,840.00	14,839.45	6,840.00	243.13	244.20	90.00	402.12	-9,788.44	1,978.48	1,492.45	486.03	4.071		
15,100.00	6,840.00	14,939.45	6,840.00	245.80	246.89	90.00	402.58	-9,888.44	1,978.45	1,487.04	491.41	4.026		
15,200.00	6,840.00	15,039.45	6,840.00	248.48	249.58	90.00	403.04	-9,988.44	1,978.43	1,481.64	496.79	3.982		
15,300.00	6,840.00	15,139.45	6,840.00	251.15	252.28	90.00	403.50	-10,088.44	1,978.40	1,476.23	502.18	3.940		
15,400.00	6,840.00	15,239.45	6,840.00	253.83	254.97	90.00	403.97	-10,188.44	1,978.38	1,470.81	507.56	3.898		
15,500.00	6,840.00	15,339.45	6,840.00	256.51	257.67	90.00	404.43	-10,288.44	1,978.35	1,465.40	512.95	3.857		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-09 - 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		
15,600.00	6,840.00	15,439.45	6,840.00	259.19	260.36	90.00	404.89	-10,388.44	1,978.32	1,459.99	518.34	3.817		
15,700.00	6,840.00	15,539.45	6,840.00	261.87	263.06	90.00	405.35	-10,488.44	1,978.30	1,454.57	523.73	3.777		
15,800.00	6,840.00	15,639.45	6,840.00	264.55	265.75	90.00	405.81	-10,588.43	1,978.27	1,449.16	529.12	3.739		
15,900.00	6,840.00	15,739.45	6,840.00	267.23	268.45	90.00	406.27	-10,688.43	1,978.25	1,443.74	534.51	3.701		
16,000.00	6,840.00	15,839.45	6,840.00	269.91	271.15	90.00	406.73	-10,788.43	1,978.22	1,438.32	539.90	3.664		
16,100.00	6,840.00	15,939.45	6,840.00	272.59	273.85	90.00	407.19	-10,888.43	1,978.20	1,432.90	545.29	3.628		
16,200.00	6,840.00	16,039.45	6,840.00	275.28	276.54	90.00	407.65	-10,988.43	1,978.17	1,427.48	550.69	3.592		
16,300.00	6,840.00	16,139.45	6,840.00	277.96	279.24	90.00	408.11	-11,088.43	1,978.14	1,422.06	556.08	3.557		
16,400.00	6,840.00	16,239.45	6,840.00	280.64	281.94	90.00	408.57	-11,188.43	1,978.12	1,416.64	561.48	3.523		
16,500.00	6,840.00	16,339.45	6,840.00	283.33	284.64	90.00	409.03	-11,288.43	1,978.09	1,411.22	566.87	3.489		
16,600.00	6,840.00	16,439.45	6,840.00	286.02	287.34	90.00	409.49	-11,388.43	1,978.07	1,405.80	572.27	3.457		
16,700.00	6,840.00	16,539.45	6,840.00	288.70	290.04	90.00	409.95	-11,488.43	1,978.04	1,400.37	577.67	3.424		
16,800.00	6,840.00	16,639.45	6,840.00	291.39	292.74	90.00	410.41	-11,588.42	1,978.02	1,394.95	583.07	3.392		
16,900.00	6,840.00	16,739.45	6,840.00	294.08	295.44	90.00	410.87	-11,688.42	1,977.99	1,389.52	588.47	3.361		
17,000.00	6,840.00	16,839.45	6,840.00	296.77	298.14	90.00	411.33	-11,788.42	1,977.97	1,384.10	593.87	3.331		
17,100.00	6,840.00	16,939.45	6,840.00	299.46	300.85	90.00	411.79	-11,888.42	1,977.94	1,378.67	599.27	3.301		
17,200.00	6,840.00	17,039.45	6,840.00	302.14	303.55	90.00	412.25	-11,988.42	1,977.91	1,373.24	604.67	3.271		
17,300.00	6,840.00	17,139.45	6,840.00	304.84	306.25	90.00	412.71	-12,088.42	1,977.89	1,367.82	610.07	3.242		
17,400.00	6,840.00	17,239.45	6,840.00	307.53	308.95	90.00	413.17	-12,188.42	1,977.86	1,362.39	615.47	3.214		
17,500.00	6,840.00	17,339.45	6,840.00	310.22	311.66	90.00	413.63	-12,288.42	1,977.84	1,356.96	620.88	3.186		
17,600.00	6,840.00	17,439.45	6,840.00	312.91	314.36	90.00	414.09	-12,388.42	1,977.81	1,351.53	626.28	3.158		
17,700.00	6,840.00	17,539.45	6,840.00	315.60	317.06	90.00	414.55	-12,488.41	1,977.79	1,346.10	631.69	3.131		
17,800.00	6,840.00	17,639.45	6,840.00	318.29	319.77	90.00	415.01	-12,588.41	1,977.76	1,340.67	637.09	3.104		
17,900.00	6,840.00	17,739.45	6,840.00	320.99	322.47	90.00	415.47	-12,688.41	1,977.73	1,335.23	642.50	3.078		
18,000.00	6,840.00	17,839.45	6,840.00	323.68	325.17	90.00	415.93	-12,788.41	1,977.71	1,329.80	647.91	3.052		
18,100.00	6,840.00	17,939.45	6,840.00	326.38	327.88	90.00	416.39	-12,888.41	1,977.68	1,324.37	653.31	3.027		
18,200.00	6,840.00	18,039.45	6,840.00	329.07	330.58	90.00	416.85	-12,988.41	1,977.66	1,318.94	658.72	3.002		
18,300.00	6,840.00	18,139.45	6,840.00	331.77	333.29	90.00	417.31	-13,088.41	1,977.63	1,313.50	664.13	2.978		
18,400.00	6,840.00	18,239.45	6,840.00	334.46	335.99	90.00	417.77	-13,188.41	1,977.61	1,308.07	669.54	2.954		
18,500.00	6,840.00	18,339.45	6,840.00	337.16	338.70	90.00	418.23	-13,288.41	1,977.58	1,302.63	674.95	2.930		
18,600.00	6,840.00	18,439.45	6,840.00	339.85	341.40	90.00	418.69	-13,388.40	1,977.55	1,297.20	680.36	2.907		
18,700.00	6,840.00	18,539.45	6,840.00	342.55	344.11	90.00	419.15	-13,488.40	1,977.53	1,291.76	685.77	2.884		
18,800.00	6,840.00	18,639.45	6,840.00	345.25	346.82	90.00	419.61	-13,588.40	1,977.50	1,286.32	691.18	2.861		
18,900.00	6,840.00	18,739.45	6,840.00	347.94	349.52	90.00	420.07	-13,688.40	1,977.48	1,280.89	696.59	2.839		
19,000.00	6,840.00	18,839.45	6,840.00	350.64	352.23	90.00	420.53	-13,788.40	1,977.45	1,275.45	702.00	2.817		
19,100.00	6,840.00	18,939.45	6,840.00	353.34	354.94	90.00	420.99	-13,888.40	1,977.43	1,270.01	707.41	2.795		
19,200.00	6,840.00	19,039.45	6,840.00	356.04	357.64	90.00	421.45	-13,988.40	1,977.40	1,264.57	712.83	2.774		
19,300.00	6,840.00	19,139.45	6,840.00	358.74	360.35	90.00	421.91	-14,088.40	1,977.37	1,259.14	718.24	2.753		
19,400.00	6,840.00	19,239.45	6,840.00	361.44	363.06	90.00	422.37	-14,188.40	1,977.35	1,253.70	723.65	2.732		
19,500.00	6,840.00	19,339.45	6,840.00	364.13	365.77	90.00	422.83	-14,288.40	1,977.32	1,248.26	729.07	2.712		
19,600.00	6,840.00	19,439.45	6,840.00	366.83	368.47	90.00	423.30	-14,388.39	1,977.30	1,242.82	734.48	2.692		
19,700.00	6,840.00	19,539.45	6,840.00	369.53	371.18	90.00	423.76	-14,488.39	1,977.27	1,237.38	739.89	2.672		
19,800.00	6,840.00	19,639.45	6,840.00	372.23	373.89	90.00	424.22	-14,588.39	1,977.25	1,231.94	745.31	2.653		
19,900.00	6,840.00	19,739.45	6,840.00	374.94	376.60	90.00	424.68	-14,688.39	1,977.22	1,226.50	750.72	2.634		
20,000.00	6,840.00	19,839.45	6,840.00	377.64	379.31	90.00	425.14	-14,788.39	1,977.20	1,221.06	756.14	2.615		
20,100.00	6,840.00	19,939.45	6,840.00	380.34	382.01	90.00	425.60	-14,888.39	1,977.17	1,215.61	761.56	2.596		
20,200.00	6,840.00	20,039.45	6,840.00	383.04	384.72	90.00	426.06	-14,988.39	1,977.14	1,210.17	766.97	2.578		
20,300.00	6,840.00	20,139.45	6,840.00	385.74	387.43	90.00	426.52	-15,088.39	1,977.12	1,204.73	772.39	2.560		
20,400.00	6,840.00	20,239.45	6,840.00	388.44	390.14	90.00	426.98	-15,188.39	1,977.09	1,199.29	777.80	2.542		
20,500.00	6,840.00	20,339.45	6,840.00	391.14	392.85	90.00	427.44	-15,288.38	1,977.07	1,193.84	783.22	2.524		
20,552.28	6,840.00	20,391.72	6,840.00	392.56	394.27	90.00	427.68	-15,340.66	1,977.05	1,191.00	786.05	2.515 SF		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-10 - 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	0.00	112.93	0.00	112.93					
100.00	100.00	101.00	99.00	0.13	0.14	0.00	112.93	0.00	112.93	112.66	0.27	414.531		
200.00	200.00	201.00	199.00	0.49	0.50	0.00	112.93	0.00	112.93	111.94	0.99	114.146		
300.00	300.00	301.00	299.00	0.85	0.85	0.00	112.93	0.00	112.93	111.23	1.71	66.186 CC, ES		
400.00	399.98	401.02	398.98	1.20	1.21	128.73	112.93	0.00	114.02	111.61	2.41	47.280		
500.00	499.84	501.16	498.84	1.55	1.57	130.67	112.93	0.00	117.36	114.25	3.12	37.645		
600.00	599.45	601.55	598.45	1.91	1.93	133.65	112.93	0.00	123.23	119.39	3.84	32.115		
700.00	698.70	702.30	697.70	2.29	2.29	137.35	112.93	0.00	131.96	127.39	4.57	28.883		
800.00	797.47	803.53	796.47	2.70	2.66	141.40	112.93	0.00	143.90	138.59	5.31	27.097		
900.00	895.62	894.62	894.62	3.14	2.98	145.49	112.93	0.00	159.34	153.32	6.02	26.459		
1,000.00	993.06	994.43	994.41	3.62	3.33	148.99	112.88	-1.56	177.83	171.07	6.76	26.302		
1,100.00	1,089.64	1,094.74	1,094.59	4.14	3.68	151.38	112.69	-6.61	198.38	190.88	7.50	26.433		
1,200.00	1,185.27	1,195.39	1,194.87	4.70	4.04	152.88	112.37	-15.21	220.67	212.41	8.27	26.692		
1,300.00	1,279.82	1,296.32	1,295.06	5.31	4.41	153.71	111.93	-27.35	244.51	235.45	9.05	27.004		
1,400.00	1,373.17	1,397.46	1,394.96	5.98	4.79	154.00	111.35	-43.05	269.77	259.90	9.87	27.322		
1,500.00	1,465.22	1,498.75	1,494.41	6.70	5.20	153.90	110.64	-62.30	296.39	285.66	10.74	27.606		
1,600.00	1,556.72	1,600.63	1,593.67	7.45	5.65	153.55	109.80	-85.19	322.57	310.93	11.64	27.712		
1,700.00	1,648.21	1,703.23	1,692.75	8.21	6.13	152.71	108.82	-111.79	347.10	334.49	12.61	27.528		
1,800.00	1,739.71	1,806.29	1,791.25	8.99	6.66	151.46	107.71	-142.07	370.09	356.44	13.65	27.109		
1,900.00	1,831.20	1,909.55	1,888.78	9.77	7.24	149.87	106.46	-175.93	391.68	376.89	14.79	26.491		
2,000.00	1,922.69	2,009.12	1,981.83	10.56	7.85	148.12	105.16	-211.34	412.33	396.34	15.99	25.789		
2,100.00	2,014.19	2,106.24	2,072.50	11.35	8.47	146.54	103.88	-246.15	433.19	415.97	17.22	25.156		
2,200.00	2,105.68	2,203.37	2,163.16	12.14	9.11	145.10	102.60	-280.96	454.34	435.85	18.49	24.577		
2,300.00	2,197.18	2,300.49	2,253.83	12.94	9.76	143.80	101.32	-315.76	475.74	455.96	19.78	24.050		
2,400.00	2,288.67	2,397.62	2,344.49	13.74	10.42	142.60	100.04	-350.57	497.36	476.26	21.10	23.571		
2,500.00	2,380.17	2,505.25	2,435.16	14.54	11.17	141.51	98.76	-385.38	519.17	496.66	22.51	23.063		
2,600.00	2,471.66	2,608.13	2,525.82	15.35	11.89	140.50	97.48	-420.19	541.15	517.24	23.91	22.636		
2,700.00	2,563.16	2,689.00	2,616.49	16.15	12.46	139.57	96.20	-455.00	563.27	538.11	25.17	22.382		
2,800.00	2,654.65	2,786.12	2,707.15	16.96	13.16	138.71	94.92	-489.81	585.53	558.98	26.55	22.055		
2,900.00	2,746.15	2,883.25	2,797.82	17.76	13.86	137.91	93.64	-524.62	607.91	579.97	27.94	21.757		
3,000.00	2,837.64	2,980.38	2,888.48	18.57	14.56	137.17	92.36	-559.43	630.39	601.04	29.34	21.484		
3,100.00	2,929.14	3,077.50	2,979.15	19.38	15.26	136.48	91.08	-594.24	652.96	622.21	30.75	21.233		
3,200.00	3,020.63	3,174.63	3,069.81	20.19	15.97	135.83	89.80	-629.05	675.62	643.45	32.17	21.003		
3,300.00	3,112.13	3,271.75	3,160.48	21.00	16.68	135.23	88.52	-663.85	698.35	664.76	33.59	20.792		
3,400.00	3,203.62	3,368.88	3,251.14	21.81	17.40	134.67	87.24	-698.66	721.16	686.14	35.01	20.596		
3,500.00	3,295.12	3,466.00	3,341.81	22.63	18.11	134.14	85.96	-733.47	744.02	707.58	36.44	20.415		
3,600.00	3,386.61	3,563.13	3,432.47	23.44	18.83	133.64	84.68	-768.28	766.94	729.07	37.88	20.248		
3,700.00	3,478.10	3,660.26	3,523.14	24.25	19.55	133.17	83.40	-803.09	789.92	750.60	39.32	20.092		
3,800.00	3,569.60	3,757.38	3,613.80	25.06	20.27	132.73	82.11	-837.90	812.94	772.19	40.76	19.947		
3,900.00	3,661.09	3,854.51	3,704.47	25.88	20.99	132.31	80.83	-872.71	836.01	793.81	42.20	19.812		
4,000.00	3,752.59	3,951.63	3,795.13	26.69	21.72	131.91	79.55	-907.52	859.11	815.47	43.64	19.685		
4,100.00	3,844.08	4,048.76	3,885.79	27.50	22.44	131.53	78.27	-942.33	882.26	837.17	45.09	19.567		
4,200.00	3,935.58	4,145.88	3,976.46	28.32	23.17	131.18	76.99	-977.14	905.44	858.90	46.54	19.455		
4,300.00	4,027.07	4,243.01	4,067.12	29.13	23.89	130.84	75.71	-1,011.94	928.65	880.66	47.99	19.351		
4,400.00	4,118.57	4,340.14	4,157.79	29.95	24.62	130.52	74.43	-1,046.75	951.88	902.44	49.44	19.253		
4,500.00	4,210.06	4,437.26	4,248.45	30.76	25.35	130.21	73.15	-1,081.56	975.15	924.26	50.89	19.160		
4,600.00	4,301.56	4,534.39	4,339.12	31.58	26.08	129.92	71.87	-1,116.37	998.44	946.09	52.35	19.073		
4,700.00	4,393.05	4,631.51	4,429.78	32.39	26.81	129.64	70.59	-1,151.18	1,021.76	967.95	53.80	18.990		
4,800.00	4,484.55	4,728.64	4,520.45	33.21	27.54	129.37	69.31	-1,185.99	1,045.09	989.83	55.26	18.912		
4,900.00	4,576.04	4,825.77	4,611.11	34.02	28.27	129.12	68.03	-1,220.80	1,068.45	1,011.73	56.72	18.838		
5,000.00	4,667.54	4,922.89	4,701.78	34.84	29.00	128.87	66.75	-1,255.61	1,091.83	1,033.65	58.18	18.767		
5,100.00	4,759.03	5,020.02	4,792.44	35.65	29.73	128.64	65.47	-1,290.42	1,115.22	1,055.59	59.64	18.700		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-10 - 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	4,850.53	5,117.14	4,883.11	36.47	30.46	128.41	64.19	-1,325.23	1,138.63	1,077.54	61.10	18.637		
5,300.00	4,942.02	5,214.27	4,973.77	37.28	31.19	128.20	62.91	-1,360.03	1,162.06	1,099.50	62.56	18.576		
5,400.00	5,033.51	5,311.39	5,064.44	38.10	31.92	127.99	61.63	-1,394.84	1,185.50	1,121.49	64.02	18.518		
5,500.00	5,125.01	5,408.52	5,155.10	38.92	32.65	127.79	60.35	-1,429.65	1,208.96	1,143.48	65.48	18.463		
5,600.00	5,216.50	5,505.65	5,245.77	39.73	33.39	127.60	59.07	-1,464.46	1,232.43	1,165.49	66.94	18.411		
5,700.00	5,308.00	5,602.77	5,336.43	40.55	34.12	127.41	57.79	-1,499.27	1,255.91	1,187.51	68.40	18.360		
5,800.00	5,399.49	5,700.10	5,427.10	41.36	34.86	127.24	56.51	-1,534.08	1,279.41	1,209.54	69.87	18.312		
5,900.00	5,490.99	5,802.98	5,517.76	42.18	35.63	127.07	55.23	-1,568.89	1,302.91	1,231.54	71.37	18.255		
6,000.00	5,582.48	5,905.85	5,608.43	43.00	36.41	126.90	53.95	-1,603.70	1,326.43	1,253.55	72.88	18.200		
6,100.00	5,673.98	6,008.73	5,699.09	43.81	37.19	126.74	52.67	-1,638.51	1,349.95	1,275.56	74.39	18.147		
6,200.00	5,765.47	6,088.40	5,789.76	44.63	37.79	126.59	51.39	-1,673.32	1,373.49	1,297.77	75.72	18.139		
6,300.00	5,856.97	6,185.53	5,880.42	45.45	38.52	126.44	50.11	-1,708.13	1,397.03	1,319.85	77.19	18.100		
6,400.00	5,948.46	6,282.65	5,971.09	46.26	39.26	126.29	48.83	-1,742.93	1,420.59	1,341.94	78.65	18.062		
6,500.00	6,039.96	6,379.78	6,061.75	47.08	39.99	126.16	47.55	-1,777.74	1,444.15	1,364.03	80.12	18.026		
6,600.00	6,131.45	6,476.90	6,152.42	47.90	40.73	126.02	46.27	-1,812.55	1,467.72	1,386.14	81.58	17.991		
6,700.00	6,222.95	6,574.03	6,243.08	48.71	41.46	125.89	44.99	-1,847.36	1,491.29	1,408.25	83.05	17.957		
6,800.00	6,314.44	6,671.16	6,333.74	49.53	42.20	125.76	43.70	-1,882.17	1,514.88	1,430.37	84.51	17.925		
6,900.00	6,405.93	6,768.28	6,424.41	50.35	42.93	125.64	42.42	-1,916.98	1,538.47	1,452.49	85.98	17.893		
7,000.00	6,497.01	6,864.12	6,513.21	51.18	43.70	119.55	41.18	-1,952.92	1,561.96	1,474.47	87.49	17.853		
7,100.00	6,582.62	6,958.35	6,594.60	52.20	44.67	108.51	40.10	-2,000.21	1,584.05	1,494.66	89.40	17.720		
7,200.00	6,659.25	7,052.63	6,667.17	53.42	45.90	101.45	39.23	-2,060.21	1,603.81	1,512.02	91.80	17.471		
7,300.00	6,724.59	7,147.15	6,729.08	54.84	47.38	96.69	38.57	-2,131.48	1,620.65	1,525.98	94.67	17.119		
7,400.00	6,776.64	7,242.01	6,778.60	56.40	49.08	93.46	38.16	-2,212.27	1,634.05	1,536.08	97.97	16.679		
7,500.00	6,813.82	7,337.25	6,814.24	58.08	50.95	91.38	38.00	-2,300.47	1,643.61	1,542.00	101.60	16.177		
7,600.00	6,835.01	7,432.80	6,834.85	59.82	52.93	90.28	38.11	-2,393.65	1,649.04	1,543.57	105.47	15.636		
7,700.00	6,840.00	7,529.37	6,840.00	61.57	54.97	90.03	38.47	-2,489.99	1,650.29	1,540.84	109.46	15.077		
7,800.00	6,840.00	7,629.37	6,840.00	63.35	57.11	90.03	38.93	-2,589.99	1,650.27	1,536.62	113.65	14.520		
7,900.00	6,840.00	7,729.37	6,840.00	65.20	59.30	90.03	39.40	-2,689.99	1,650.25	1,532.30	117.95	13.991		
8,000.00	6,840.00	7,829.37	6,840.00	67.10	61.53	90.03	39.86	-2,789.99	1,650.22	1,527.89	122.34	13.489		
8,100.00	6,840.00	7,929.37	6,840.00	69.05	63.80	90.03	40.32	-2,889.99	1,650.20	1,523.40	126.81	13.014		
8,200.00	6,840.00	8,029.37	6,840.00	71.06	66.10	90.03	40.79	-2,989.99	1,650.18	1,518.83	131.35	12.563		
8,300.00	6,840.00	8,129.37	6,840.00	73.11	68.44	90.03	41.25	-3,089.99	1,650.16	1,514.20	135.96	12.137		
8,400.00	6,840.00	8,229.37	6,840.00	75.21	70.80	90.03	41.71	-3,189.98	1,650.13	1,509.51	140.62	11.734		
8,500.00	6,840.00	8,329.37	6,840.00	77.34	73.18	90.03	42.18	-3,289.98	1,650.11	1,504.77	145.34	11.353		
8,600.00	6,840.00	8,429.37	6,840.00	79.51	75.59	90.03	42.64	-3,389.98	1,650.09	1,499.97	150.12	10.992		
8,700.00	6,840.00	8,529.37	6,840.00	81.72	78.02	90.03	43.10	-3,489.98	1,650.07	1,495.14	154.93	10.650		
8,800.00	6,840.00	8,629.37	6,840.00	83.95	80.47	90.03	43.56	-3,589.98	1,650.04	1,490.26	159.78	10.327		
8,900.00	6,840.00	8,729.37	6,840.00	86.22	82.93	90.03	44.03	-3,689.98	1,650.02	1,485.34	164.67	10.020		
9,000.00	6,840.00	8,829.37	6,840.00	88.51	85.42	90.03	44.49	-3,789.98	1,650.00	1,480.40	169.60	9.729		
9,100.00	6,840.00	8,929.37	6,840.00	90.83	87.91	90.03	44.95	-3,889.98	1,649.97	1,475.42	174.55	9.453		
9,200.00	6,840.00	9,029.37	6,840.00	93.16	90.42	90.03	45.42	-3,989.98	1,649.95	1,470.41	179.54	9.190		
9,300.00	6,840.00	9,129.37	6,840.00	95.52	92.94	90.03	45.88	-4,089.98	1,649.93	1,465.38	184.55	8.940		
9,400.00	6,840.00	9,229.37	6,840.00	97.90	95.47	90.03	46.34	-4,189.97	1,649.91	1,460.33	189.58	8.703		
9,500.00	6,840.00	9,329.37	6,840.00	100.30	98.01	90.03	46.81	-4,289.97	1,649.88	1,455.25	194.63	8.477		
9,600.00	6,840.00	9,429.37	6,840.00	102.72	100.56	90.03	47.27	-4,389.97	1,649.86	1,450.15	199.71	8.261		
9,700.00	6,840.00	9,529.37	6,840.00	105.15	103.12	90.03	47.73	-4,489.97	1,649.84	1,445.04	204.80	8.056		
9,800.00	6,840.00	9,629.37	6,840.00	107.59	105.68	90.03	48.20	-4,589.97	1,649.81	1,439.90	209.91	7.860		
9,900.00	6,840.00	9,729.37	6,840.00	110.05	108.26	90.03	48.66	-4,689.97	1,649.79	1,434.75	215.04	7.672		
10,000.00	6,840.00	9,829.37	6,840.00	112.52	110.84	90.03	49.12	-4,789.97	1,649.77	1,429.59	220.18	7.493		
10,100.00	6,840.00	9,929.37	6,840.00	115.00	113.43	90.03	49.58	-4,889.97	1,649.75	1,424.41	225.34	7.321		
10,200.00	6,840.00	10,029.37	6,840.00	117.50	116.02	90.03	50.05	-4,989.97	1,649.72	1,419.22	230.51	7.157		
10,300.00	6,840.00	10,129.37	6,840.00	120.00	118.62	90.03	50.51	-5,089.96	1,649.70	1,414.01	235.69	6.999		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-10 - 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		
10,400.00	6,840.00	10,229.37	6,840.00	122.51	121.23	90.03	50.97	-5,189.96	1,649.68	1,408.80	240.88	6.849		
10,500.00	6,840.00	10,329.37	6,840.00	125.04	123.84	90.03	51.44	-5,289.96	1,649.65	1,403.57	246.08	6.704		
10,600.00	6,840.00	10,429.37	6,840.00	127.57	126.45	90.03	51.90	-5,389.96	1,649.63	1,398.33	251.30	6.564		
10,700.00	6,840.00	10,529.37	6,840.00	130.11	129.07	90.03	52.36	-5,489.96	1,649.61	1,393.09	256.52	6.431		
10,800.00	6,840.00	10,629.37	6,840.00	132.66	131.69	90.03	52.83	-5,589.96	1,649.59	1,387.83	261.75	6.302		
10,900.00	6,840.00	10,729.37	6,840.00	135.21	134.32	90.03	53.29	-5,689.96	1,649.56	1,382.57	266.99	6.178		
11,000.00	6,840.00	10,829.37	6,840.00	137.77	136.95	90.03	53.75	-5,789.96	1,649.54	1,377.30	272.24	6.059		
11,100.00	6,840.00	10,929.37	6,840.00	140.34	139.58	90.03	54.22	-5,889.96	1,649.52	1,372.02	277.50	5.944		
11,200.00	6,840.00	11,029.37	6,840.00	142.91	142.22	90.03	54.68	-5,989.95	1,649.49	1,366.74	282.76	5.834		
11,300.00	6,840.00	11,129.37	6,840.00	145.49	144.86	90.03	55.14	-6,089.95	1,649.47	1,361.45	288.03	5.727		
11,400.00	6,840.00	11,229.37	6,840.00	148.07	147.50	90.03	55.61	-6,189.95	1,649.45	1,356.15	293.30	5.624		
11,500.00	6,840.00	11,329.37	6,840.00	150.66	150.15	90.03	56.07	-6,289.95	1,649.43	1,350.84	298.58	5.524		
11,600.00	6,840.00	11,429.37	6,840.00	153.25	152.80	90.03	56.53	-6,389.95	1,649.40	1,345.54	303.87	5.428		
11,700.00	6,840.00	11,529.37	6,840.00	155.85	155.45	90.03	56.99	-6,489.95	1,649.38	1,340.22	309.16	5.335		
11,800.00	6,840.00	11,629.37	6,840.00	158.45	158.10	90.03	57.46	-6,589.95	1,649.36	1,334.90	314.46	5.245		
11,900.00	6,840.00	11,729.37	6,840.00	161.06	160.76	90.03	57.92	-6,689.95	1,649.34	1,329.58	319.76	5.158		
12,000.00	6,840.00	11,829.37	6,840.00	163.67	163.41	90.03	58.38	-6,789.95	1,649.31	1,324.25	325.07	5.074		
12,100.00	6,840.00	11,929.37	6,840.00	166.28	166.07	90.03	58.85	-6,889.95	1,649.29	1,318.91	330.38	4.992		
12,200.00	6,840.00	12,029.37	6,840.00	168.90	168.73	90.03	59.31	-6,989.94	1,649.27	1,313.58	335.69	4.913		
12,300.00	6,840.00	12,129.37	6,840.00	171.52	171.40	90.03	59.77	-7,089.94	1,649.24	1,308.23	341.01	4.836		
12,400.00	6,840.00	12,229.37	6,840.00	174.15	174.06	90.03	60.24	-7,189.94	1,649.22	1,302.89	346.33	4.762		
12,500.00	6,840.00	12,329.37	6,840.00	176.77	176.73	90.03	60.70	-7,289.94	1,649.20	1,297.54	351.66	4.690		
12,600.00	6,840.00	12,429.37	6,840.00	179.40	179.40	90.03	61.16	-7,389.94	1,649.18	1,292.19	356.99	4.620		
12,700.00	6,840.00	12,529.37	6,840.00	182.04	182.07	90.03	61.63	-7,489.94	1,649.15	1,286.83	362.32	4.552		
12,800.00	6,840.00	12,629.37	6,840.00	184.67	184.74	90.03	62.09	-7,589.94	1,649.13	1,281.47	367.66	4.486		
12,900.00	6,840.00	12,729.37	6,840.00	187.31	187.41	90.03	62.55	-7,689.94	1,649.11	1,276.11	372.99	4.421		
13,000.00	6,840.00	12,829.37	6,840.00	189.95	190.09	90.03	63.01	-7,789.94	1,649.08	1,270.75	378.34	4.359		
13,100.00	6,840.00	12,929.37	6,840.00	192.59	192.76	90.03	63.48	-7,889.93	1,649.06	1,265.38	383.68	4.298		
13,200.00	6,840.00	13,029.37	6,840.00	195.24	195.44	90.03	63.94	-7,989.93	1,649.04	1,260.01	389.03	4.239		
13,300.00	6,840.00	13,129.37	6,840.00	197.88	198.12	90.03	64.40	-8,089.93	1,649.02	1,254.64	394.38	4.181		
13,400.00	6,840.00	13,229.37	6,840.00	200.53	200.79	90.03	64.87	-8,189.93	1,648.99	1,249.26	399.73	4.125		
13,500.00	6,840.00	13,329.37	6,840.00	203.18	203.47	90.03	65.33	-8,289.93	1,648.97	1,243.89	405.08	4.071		
13,600.00	6,840.00	13,429.37	6,840.00	205.83	206.15	90.03	65.79	-8,389.93	1,648.95	1,238.51	410.44	4.018		
13,700.00	6,840.00	13,529.37	6,840.00	208.49	208.84	90.03	66.26	-8,489.93	1,648.92	1,233.13	415.80	3.966		
13,800.00	6,840.00	13,629.37	6,840.00	211.14	211.52	90.03	66.72	-8,589.93	1,648.90	1,227.74	421.16	3.915		
13,900.00	6,840.00	13,729.37	6,840.00	213.80	214.20	90.03	67.18	-8,689.93	1,648.88	1,222.36	426.52	3.866		
14,000.00	6,840.00	13,829.37	6,840.00	216.46	216.89	90.03	67.65	-8,789.92	1,648.86	1,216.97	431.89	3.818		
14,100.00	6,840.00	13,929.37	6,840.00	219.12	219.57	90.03	68.11	-8,889.92	1,648.83	1,211.58	437.25	3.771		
14,200.00	6,840.00	14,029.37	6,840.00	221.78	222.26	90.03	68.57	-8,989.92	1,648.81	1,206.19	442.62	3.725		
14,300.00	6,840.00	14,129.37	6,840.00	224.45	224.95	90.03	69.04	-9,089.92	1,648.79	1,200.79	447.99	3.680		
14,400.00	6,840.00	14,229.37	6,840.00	227.11	227.64	90.03	69.50	-9,189.92	1,648.77	1,195.40	453.36	3.637		
14,500.00	6,840.00	14,329.37	6,840.00	229.78	230.32	90.03	69.96	-9,289.92	1,648.74	1,190.00	458.74	3.594		
14,600.00	6,840.00	14,429.37	6,840.00	232.45	233.01	90.03	70.42	-9,389.92	1,648.72	1,184.61	464.11	3.552		
14,700.00	6,840.00	14,529.37	6,840.00	235.12	235.70	90.03	70.89	-9,489.92	1,648.70	1,179.21	469.49	3.512		
14,800.00	6,840.00	14,629.37	6,840.00	237.79	238.40	90.03	71.35	-9,589.92	1,648.67	1,173.81	474.87	3.472		
14,900.00	6,840.00	14,729.37	6,840.00	240.46	241.09	90.03	71.81	-9,689.92	1,648.65	1,168.40	480.25	3.433		
15,000.00	6,840.00	14,829.37	6,840.00	243.13	243.78	90.03	72.28	-9,789.91	1,648.63	1,163.00	485.63	3.395		
15,100.00	6,840.00	14,929.37	6,840.00	245.80	246.47	90.03	72.74	-9,889.91	1,648.61	1,157.60	491.01	3.358		
15,200.00	6,840.00	15,029.37	6,840.00	248.48	249.17	90.03	73.20	-9,989.91	1,648.58	1,152.19	496.39	3.321		
15,300.00	6,840.00	15,129.37	6,840.00	251.15	251.86	90.03	73.67	-10,089.91	1,648.56	1,146.78	501.78	3.285		
15,400.00	6,840.00	15,229.37	6,840.00	253.83	254.55	90.03	74.13	-10,189.91	1,648.54	1,141.37	507.16	3.251		
15,500.00	6,840.00	15,329.37	6,840.00	256.51	257.25	90.03	74.59	-10,289.91	1,648.51	1,135.96	512.55	3.216		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-10 - 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		
15,600.00	6,840.00	15,429.37	6,840.00	259.19	259.94	90.03	75.06	-10,389.91	1,648.49	1,130.55	517.94	3.183		
15,700.00	6,840.00	15,529.37	6,840.00	261.87	262.64	90.03	75.52	-10,489.91	1,648.47	1,125.14	523.33	3.150		
15,800.00	6,840.00	15,629.37	6,840.00	264.55	265.34	90.03	75.98	-10,589.91	1,648.45	1,119.73	528.72	3.118		
15,900.00	6,840.00	15,729.37	6,840.00	267.23	268.03	90.03	76.44	-10,689.90	1,648.42	1,114.32	534.11	3.086		
16,000.00	6,840.00	15,829.37	6,840.00	269.91	270.73	90.03	76.91	-10,789.90	1,648.40	1,108.90	539.50	3.055		
16,100.00	6,840.00	15,929.37	6,840.00	272.59	273.43	90.03	77.37	-10,889.90	1,648.38	1,103.49	544.89	3.025		
16,200.00	6,840.00	16,029.37	6,840.00	275.28	276.13	90.03	77.83	-10,989.90	1,648.35	1,098.07	550.29	2.995		
16,300.00	6,840.00	16,129.37	6,840.00	277.96	278.83	90.03	78.30	-11,089.90	1,648.33	1,092.65	555.68	2.966		
16,400.00	6,840.00	16,229.37	6,840.00	280.64	281.52	90.03	78.76	-11,189.90	1,648.31	1,087.23	561.08	2.938		
16,500.00	6,840.00	16,329.37	6,840.00	283.33	284.22	90.03	79.22	-11,289.90	1,648.29	1,081.81	566.47	2.910		
16,600.00	6,840.00	16,429.37	6,840.00	286.02	286.92	90.03	79.69	-11,389.90	1,648.26	1,076.39	571.87	2.882		
16,700.00	6,840.00	16,529.37	6,840.00	288.70	289.62	90.03	80.15	-11,489.90	1,648.24	1,070.97	577.27	2.855		
16,800.00	6,840.00	16,629.37	6,840.00	291.39	292.33	90.03	80.61	-11,589.89	1,648.22	1,065.55	582.67	2.829		
16,900.00	6,840.00	16,729.37	6,840.00	294.08	295.03	90.03	81.08	-11,689.89	1,648.19	1,060.13	588.07	2.803		
17,000.00	6,840.00	16,829.37	6,840.00	296.77	297.73	90.03	81.54	-11,789.89	1,648.17	1,054.71	593.47	2.777		
17,100.00	6,840.00	16,929.37	6,840.00	299.46	300.43	90.03	82.00	-11,889.89	1,648.15	1,049.28	598.87	2.752		
17,200.00	6,840.00	17,029.37	6,840.00	302.14	303.13	90.03	82.47	-11,989.89	1,648.13	1,043.86	604.27	2.727		
17,300.00	6,840.00	17,129.37	6,840.00	304.84	305.83	90.03	82.93	-12,089.89	1,648.10	1,038.43	609.67	2.703		
17,400.00	6,840.00	17,229.37	6,840.00	307.53	308.54	90.03	83.39	-12,189.89	1,648.08	1,033.01	615.07	2.679		
17,500.00	6,840.00	17,329.37	6,840.00	310.22	311.24	90.03	83.85	-12,289.89	1,648.06	1,027.58	620.48	2.656		
17,600.00	6,840.00	17,429.37	6,840.00	312.91	313.94	90.03	84.32	-12,389.89	1,648.04	1,022.15	625.88	2.633		
17,700.00	6,840.00	17,529.37	6,840.00	315.60	316.65	90.03	84.78	-12,489.89	1,648.01	1,016.73	631.29	2.611		
17,800.00	6,840.00	17,629.37	6,840.00	318.29	319.35	90.03	85.24	-12,589.88	1,647.99	1,011.30	636.69	2.588		
17,900.00	6,840.00	17,729.37	6,840.00	320.99	322.05	90.03	85.71	-12,689.88	1,647.97	1,005.87	642.10	2.567		
18,000.00	6,840.00	17,829.37	6,840.00	323.68	324.76	90.03	86.17	-12,789.88	1,647.94	1,000.44	647.51	2.545		
18,100.00	6,840.00	17,929.37	6,840.00	326.38	327.46	90.03	86.63	-12,889.88	1,647.92	995.01	652.91	2.524		
18,200.00	6,840.00	18,029.37	6,840.00	329.07	330.17	90.03	87.10	-12,989.88	1,647.90	989.58	658.32	2.503		
18,300.00	6,840.00	18,129.37	6,840.00	331.77	332.87	90.03	87.56	-13,089.88	1,647.88	984.15	663.73	2.483		
18,400.00	6,840.00	18,229.37	6,840.00	334.46	335.58	90.03	88.02	-13,189.88	1,647.85	978.72	669.14	2.463		
18,500.00	6,840.00	18,329.37	6,840.00	337.16	338.28	90.03	88.49	-13,289.88	1,647.83	973.28	674.55	2.443		
18,600.00	6,840.00	18,429.37	6,840.00	339.85	340.99	90.03	88.95	-13,389.88	1,647.81	967.85	679.96	2.423		
18,700.00	6,840.00	18,529.37	6,840.00	342.55	343.70	90.03	89.41	-13,489.87	1,647.78	962.42	685.37	2.404		
18,800.00	6,840.00	18,629.37	6,840.00	345.25	346.40	90.03	89.87	-13,589.87	1,647.76	956.98	690.78	2.385		
18,900.00	6,840.00	18,729.37	6,840.00	347.94	349.11	90.03	90.34	-13,689.87	1,647.74	951.55	696.19	2.367		
19,000.00	6,840.00	18,829.37	6,840.00	350.64	351.81	90.03	90.80	-13,789.87	1,647.72	946.12	701.60	2.349		
19,100.00	6,840.00	18,929.37	6,840.00	353.34	354.52	90.03	91.26	-13,889.87	1,647.69	940.68	707.01	2.331		
19,200.00	6,840.00	19,029.37	6,840.00	356.04	357.23	90.03	91.73	-13,989.87	1,647.67	935.25	712.42	2.313		
19,300.00	6,840.00	19,129.37	6,840.00	358.74	359.94	90.03	92.19	-14,089.87	1,647.65	929.81	717.84	2.295		
19,400.00	6,840.00	19,229.37	6,840.00	361.44	362.64	90.03	92.65	-14,189.87	1,647.62	924.37	723.25	2.278		
19,500.00	6,840.00	19,329.37	6,840.00	364.13	365.35	90.03	93.12	-14,289.87	1,647.60	918.94	728.66	2.261		
19,600.00	6,840.00	19,429.37	6,840.00	366.83	368.06	90.03	93.58	-14,389.86	1,647.58	913.50	734.08	2.244		
19,700.00	6,840.00	19,529.37	6,840.00	369.53	370.77	90.03	94.04	-14,489.86	1,647.56	908.06	739.49	2.228		
19,800.00	6,840.00	19,629.37	6,840.00	372.23	373.47	90.03	94.51	-14,589.86	1,647.53	902.63	744.91	2.212		
19,900.00	6,840.00	19,729.37	6,840.00	374.94	376.18	90.03	94.97	-14,689.86	1,647.51	897.19	750.32	2.196		
20,000.00	6,840.00	19,829.37	6,840.00	377.64	378.89	90.03	95.43	-14,789.86	1,647.49	891.75	755.74	2.180		
20,100.00	6,840.00	19,929.37	6,840.00	380.34	381.60	90.03	95.90	-14,889.86	1,647.47	886.31	761.15	2.164		
20,200.00	6,840.00	20,029.37	6,840.00	383.04	384.31	90.03	96.36	-14,989.86	1,647.44	880.87	766.57	2.149		
20,300.00	6,840.00	20,129.37	6,840.00	385.74	387.02	90.03	96.82	-15,089.86	1,647.42	875.43	771.99	2.134		
20,400.00	6,840.00	20,229.37	6,840.00	388.44	389.73	90.03	97.28	-15,189.86	1,647.40	869.99	777.40	2.119		
20,500.00	6,840.00	20,329.37	6,840.00	391.14	392.44	90.03	97.75	-15,289.86	1,647.37	864.55	782.82	2.104		
20,552.28	6,840.00	20,381.64	6,840.00	392.56	393.85	90.03	97.99	-15,342.13	1,647.36	861.71	785.65	2.097 SF		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-11 - 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	0.00	89.98	0.00	89.98					
100.00	100.00	100.00	100.00	0.13	0.13	0.00	89.98	0.00	89.98	89.71	0.27	334.691		
200.00	200.00	200.00	200.00	0.49	0.49	0.00	89.98	0.00	89.98	89.00	0.99	91.280		
300.00	300.00	300.00	300.00	0.85	0.85	0.00	89.98	0.00	89.98	88.28	1.70	52.846 CC, ES		
400.00	399.98	400.02	399.98	1.20	1.21	128.90	89.98	0.00	91.07	88.66	2.41	37.820		
500.00	499.84	500.16	499.84	1.55	1.57	131.32	89.98	0.00	94.44	91.33	3.11	30.328		
600.00	599.45	600.55	599.45	1.91	1.93	134.96	89.98	0.00	100.42	96.59	3.83	26.196		
700.00	698.70	701.30	698.70	2.29	2.29	139.35	89.98	0.00	109.39	104.83	4.56	23.968		
800.00	797.47	797.47	797.47	2.70	2.63	143.99	89.98	0.00	121.73	116.45	5.29	23.031		
900.00	895.62	898.04	898.03	3.14	2.99	147.98	89.68	-1.65	136.85	130.83	6.02	22.744		
1,000.00	993.06	999.12	998.96	3.62	3.33	150.68	88.73	-6.80	153.59	146.84	6.75	22.749		
1,100.00	1,089.64	1,100.62	1,100.06	4.14	3.69	152.39	87.12	-15.50	171.65	164.15	7.50	22.874		
1,200.00	1,185.27	1,202.49	1,201.16	4.70	4.07	153.35	84.86	-27.76	190.84	182.56	8.28	23.050		
1,300.00	1,279.82	1,304.70	1,302.09	5.31	4.46	153.73	81.93	-43.60	211.05	201.97	9.09	23.228		
1,400.00	1,373.17	1,407.21	1,402.68	5.98	4.88	153.67	78.34	-63.04	232.23	222.30	9.93	23.390		
1,500.00	1,465.22	1,510.00	1,502.75	6.70	5.34	153.30	74.08	-86.08	254.33	243.51	10.82	23.499		
1,600.00	1,556.72	1,613.39	1,602.51	7.45	5.84	152.66	69.15	-112.79	275.58	263.80	11.77	23.407		
1,700.00	1,648.21	1,717.46	1,701.85	8.21	6.39	151.50	63.52	-143.23	294.78	281.99	12.80	23.034		
1,800.00	1,739.71	1,821.92	1,800.38	8.99	6.99	149.91	57.22	-177.34	312.08	298.17	13.91	22.432		
1,900.00	1,831.20	1,921.69	1,893.60	9.77	7.61	148.16	50.76	-212.31	328.20	313.10	15.10	21.742		
2,000.00	1,922.69	2,019.93	1,985.35	10.56	8.24	146.59	44.38	-246.85	344.52	328.20	16.32	21.115		
2,100.00	2,014.19	2,118.16	2,077.09	11.35	8.90	145.17	38.00	-281.38	361.07	343.50	17.57	20.547		
2,200.00	2,105.68	2,216.40	2,168.83	12.14	9.56	143.86	31.63	-315.91	377.83	358.97	18.86	20.033		
2,300.00	2,197.18	2,314.63	2,260.58	12.94	10.24	142.67	25.25	-350.45	394.76	374.59	20.17	19.569		
2,400.00	2,288.67	2,412.87	2,352.32	13.74	10.92	141.58	18.87	-384.98	411.84	390.33	21.51	19.149		
2,500.00	2,380.17	2,511.11	2,444.07	14.54	11.61	140.57	12.49	-419.52	429.06	406.20	22.86	18.769		
2,600.00	2,471.66	2,609.34	2,535.81	15.35	12.31	139.64	6.11	-454.05	446.40	422.17	24.23	18.425		
2,700.00	2,563.16	2,707.58	2,627.56	16.15	13.01	138.78	-0.27	-488.58	463.84	438.23	25.61	18.112		
2,800.00	2,654.65	2,805.81	2,719.30	16.96	13.72	137.98	-6.65	-523.12	481.38	454.38	27.00	17.828		
2,900.00	2,746.15	2,904.05	2,811.04	17.76	14.43	137.24	-13.03	-557.65	499.00	470.60	28.40	17.568		
3,000.00	2,837.64	3,002.28	2,902.79	18.57	15.15	136.55	-19.41	-592.12	516.70	486.89	29.81	17.331		
3,100.00	2,929.14	3,100.52	2,994.53	19.38	15.86	135.90	-25.79	-626.72	534.47	503.23	31.23	17.113		
3,200.00	3,020.63	3,201.24	3,086.28	20.19	16.60	135.30	-32.17	-661.25	552.29	519.62	32.67	16.904		
3,300.00	3,112.13	3,303.01	3,178.02	21.00	17.35	134.73	-38.55	-695.78	570.18	536.05	34.13	16.707		
3,400.00	3,203.62	3,404.77	3,269.76	21.81	18.10	134.20	-44.93	-730.32	588.11	552.53	35.59	16.526		
3,500.00	3,295.12	3,506.54	3,361.51	22.63	18.85	133.70	-51.31	-764.85	606.10	569.04	37.05	16.358		
3,600.00	3,386.61	3,608.30	3,453.25	23.44	19.60	133.23	-57.68	-799.38	624.12	585.60	38.52	16.202		
3,700.00	3,478.10	3,689.93	3,545.00	24.25	20.20	132.78	-64.06	-833.92	642.18	602.33	39.85	16.116		
3,800.00	3,569.60	3,788.17	3,636.74	25.06	20.93	132.36	-70.44	-868.45	660.28	618.98	41.30	15.989		
3,900.00	3,661.09	3,886.41	3,728.49	25.88	21.66	131.96	-76.82	-902.99	678.41	635.66	42.75	15.870		
4,000.00	3,752.59	3,984.64	3,820.23	26.69	22.39	131.58	-83.20	-937.52	696.57	652.37	44.20	15.759		
4,100.00	3,844.08	4,082.88	3,911.97	27.50	23.12	131.23	-89.58	-972.05	714.76	669.10	45.66	15.655		
4,200.00	3,935.58	4,181.11	4,003.72	28.32	23.85	130.88	-95.96	-1,006.59	732.98	685.86	47.12	15.557		
4,300.00	4,027.07	4,279.35	4,095.46	29.13	24.58	130.56	-102.34	-1,041.12	751.21	702.64	48.58	15.465		
4,400.00	4,118.57	4,377.58	4,187.21	29.95	25.32	130.25	-108.72	-1,075.65	769.48	719.44	50.04	15.378		
4,500.00	4,210.06	4,475.82	4,278.95	30.76	26.05	129.96	-115.10	-1,110.19	787.76	736.26	51.50	15.296		
4,600.00	4,301.56	4,574.06	4,370.69	31.58	26.79	129.68	-121.48	-1,144.72	806.06	753.09	52.96	15.219		
4,700.00	4,393.05	4,672.29	4,462.44	32.39	27.52	129.41	-127.86	-1,179.25	824.38	769.95	54.43	15.146		
4,800.00	4,484.55	4,770.53	4,554.18	33.21	28.25	129.15	-134.24	-1,213.79	842.71	786.82	55.90	15.076		
4,900.00	4,576.04	4,868.76	4,645.93	34.02	28.99	128.90	-140.62	-1,248.32	861.06	803.70	57.36	15.011		
5,000.00	4,667.54	4,967.00	4,737.67	34.84	29.73	128.67	-146.99	-1,282.86	879.43	820.60	58.83	14.948		
5,100.00	4,759.03	5,065.23	4,829.42	35.65	30.46	128.44	-153.37	-1,317.39	897.81	837.51	60.30	14.889		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-11 - 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	4,850.53	5,163.47	4,921.16	36.47	31.20	128.22	-159.75	-1,351.92	916.20	854.43	61.77	14.832		
5,300.00	4,942.02	5,261.71	5,012.90	37.28	31.94	128.01	-166.13	-1,386.46	934.61	871.37	63.24	14.778		
5,400.00	5,033.51	5,359.94	5,104.65	38.10	32.67	127.81	-172.51	-1,420.99	953.02	888.31	64.71	14.727		
5,500.00	5,125.01	5,458.18	5,196.39	38.92	33.41	127.62	-178.89	-1,455.52	971.45	905.27	66.18	14.678		
5,600.00	5,216.50	5,556.41	5,288.14	39.73	34.15	127.43	-185.27	-1,490.06	989.89	922.23	67.66	14.631		
5,700.00	5,308.00	5,654.65	5,379.88	40.55	34.89	127.26	-191.65	-1,524.59	1,008.34	939.21	69.13	14.586		
5,800.00	5,399.49	5,752.88	5,471.62	41.36	35.62	127.08	-198.03	-1,559.12	1,026.79	956.19	70.60	14.543		
5,900.00	5,490.99	5,851.12	5,563.37	42.18	36.36	126.92	-204.41	-1,593.66	1,045.26	973.18	72.08	14.502		
6,000.00	5,582.48	5,949.36	5,655.11	43.00	37.10	126.76	-210.79	-1,628.19	1,063.73	990.18	73.55	14.462		
6,100.00	5,673.98	6,047.59	5,746.86	43.81	37.84	126.60	-217.17	-1,662.73	1,082.21	1,007.19	75.03	14.424		
6,200.00	5,765.47	6,145.83	5,838.60	44.63	38.58	126.45	-223.55	-1,697.26	1,100.70	1,024.20	76.50	14.388		
6,300.00	5,856.97	6,244.06	5,930.35	45.45	39.32	126.30	-229.93	-1,731.79	1,119.20	1,041.22	77.98	14.353		
6,400.00	5,948.46	6,342.30	6,022.09	46.26	40.06	126.16	-236.30	-1,766.33	1,137.70	1,058.25	79.45	14.319		
6,500.00	6,039.96	6,440.53	6,113.83	47.08	40.79	126.03	-242.68	-1,800.86	1,156.21	1,075.28	80.93	14.287		
6,600.00	6,131.45	6,538.77	6,205.58	47.90	41.53	125.90	-249.06	-1,835.39	1,174.73	1,092.32	82.41	14.255		
6,700.00	6,222.95	6,637.01	6,297.32	48.71	42.27	125.77	-255.44	-1,869.93	1,193.25	1,109.37	83.88	14.225		
6,800.00	6,314.44	6,735.24	6,389.07	49.53	43.01	125.65	-261.82	-1,904.46	1,211.77	1,126.41	85.36	14.196		
6,900.00	6,405.93	6,832.74	6,480.08	50.35	43.75	125.52	-268.15	-1,938.85	1,230.31	1,143.48	86.83	14.169		
7,000.00	6,497.01	6,923.80	6,561.43	51.18	44.60	119.28	-273.76	-1,979.15	1,249.06	1,160.53	88.53	14.109		
7,100.00	6,582.62	7,012.99	6,633.97	52.20	45.65	108.29	-278.69	-2,030.66	1,266.86	1,176.25	90.61	13.982		
7,200.00	6,659.25	7,101.02	6,696.90	53.42	46.90	101.30	-282.89	-2,091.94	1,282.86	1,189.81	93.05	13.786		
7,300.00	6,724.59	7,188.18	6,749.28	54.84	48.33	96.58	-286.30	-2,161.42	1,296.52	1,200.69	95.83	13.529		
7,400.00	6,776.64	7,274.76	6,790.31	56.40	49.92	93.38	-288.87	-2,237.52	1,307.41	1,208.51	98.90	13.220		
7,500.00	6,813.82	7,360.94	6,819.35	58.08	51.61	91.33	-290.56	-2,318.57	1,315.18	1,213.00	102.18	12.872		
7,600.00	6,835.01	7,446.92	6,835.92	59.82	53.37	90.24	-291.34	-2,402.84	1,319.59	1,213.98	105.60	12.496		
7,700.00	6,840.00	7,535.68	6,840.00	61.57	55.21	90.00	-291.22	-2,491.44	1,320.60	1,211.38	109.22	12.091		
7,800.00	6,840.00	7,635.68	6,840.00	63.35	57.32	90.00	-290.75	-2,591.44	1,320.58	1,207.18	113.41	11.645		
7,900.00	6,840.00	7,735.68	6,840.00	65.20	59.48	90.00	-290.28	-2,691.44	1,320.56	1,202.87	117.69	11.221		
8,000.00	6,840.00	7,835.68	6,840.00	67.10	61.68	90.00	-289.81	-2,791.44	1,320.55	1,198.48	122.07	10.818		
8,100.00	6,840.00	7,935.68	6,840.00	69.05	63.92	90.00	-289.35	-2,891.44	1,320.53	1,194.00	126.53	10.436		
8,200.00	6,840.00	8,035.68	6,840.00	71.06	66.20	90.00	-288.88	-2,991.44	1,320.51	1,189.45	131.07	10.075		
8,300.00	6,840.00	8,135.68	6,840.00	73.11	68.51	90.00	-288.41	-3,091.44	1,320.50	1,184.83	135.67	9.733		
8,400.00	6,840.00	8,235.68	6,840.00	75.21	70.85	90.00	-287.94	-3,191.44	1,320.48	1,180.15	140.33	9.410		
8,500.00	6,840.00	8,335.68	6,840.00	77.34	73.22	90.00	-287.47	-3,291.44	1,320.46	1,175.42	145.05	9.104		
8,600.00	6,840.00	8,435.68	6,840.00	79.51	75.61	90.00	-287.00	-3,391.43	1,320.44	1,170.63	149.81	8.814		
8,700.00	6,840.00	8,535.68	6,840.00	81.72	78.02	90.00	-286.53	-3,491.43	1,320.43	1,165.81	154.62	8.540		
8,800.00	6,840.00	8,635.68	6,840.00	83.95	80.46	90.00	-286.06	-3,591.43	1,320.41	1,160.94	159.47	8.280		
8,900.00	6,840.00	8,735.68	6,840.00	86.22	82.91	90.00	-285.60	-3,691.43	1,320.39	1,156.04	164.36	8.034		
9,000.00	6,840.00	8,835.68	6,840.00	88.51	85.37	90.00	-285.13	-3,791.43	1,320.38	1,151.10	169.28	7.800		
9,100.00	6,840.00	8,935.68	6,840.00	90.83	87.85	90.00	-284.66	-3,891.43	1,320.36	1,146.13	174.23	7.578		
9,200.00	6,840.00	9,035.68	6,840.00	93.16	90.35	90.00	-284.19	-3,991.43	1,320.34	1,141.13	179.21	7.368		
9,300.00	6,840.00	9,135.68	6,840.00	95.52	92.86	90.00	-283.72	-4,091.43	1,320.32	1,136.11	184.21	7.167		
9,400.00	6,840.00	9,235.68	6,840.00	97.90	95.38	90.00	-283.25	-4,191.43	1,320.31	1,131.06	189.24	6.977		
9,500.00	6,840.00	9,335.68	6,840.00	100.30	97.91	90.00	-282.78	-4,291.42	1,320.29	1,125.99	194.30	6.795		
9,600.00	6,840.00	9,435.68	6,840.00	102.72	100.45	90.00	-282.31	-4,391.42	1,320.27	1,120.91	199.37	6.622		
9,700.00	6,840.00	9,535.68	6,840.00	105.15	103.00	90.00	-281.84	-4,491.42	1,320.26	1,115.80	204.46	6.457		
9,800.00	6,840.00	9,635.68	6,840.00	107.59	105.56	90.00	-281.38	-4,591.42	1,320.24	1,110.67	209.57	6.300		
9,900.00	6,840.00	9,735.68	6,840.00	110.05	108.12	90.00	-280.91	-4,691.42	1,320.22	1,105.53	214.69	6.149		
10,000.00	6,840.00	9,835.68	6,840.00	112.52	110.70	90.00	-280.44	-4,791.42	1,320.20	1,100.37	219.83	6.005		
10,100.00	6,840.00	9,935.68	6,840.00	115.00	113.28	90.00	-279.97	-4,891.42	1,320.19	1,095.20	224.99	5.868		
10,200.00	6,840.00	10,035.68	6,840.00	117.50	115.86	90.00	-279.50	-4,991.42	1,320.17	1,090.02	230.15	5.736		
10,300.00	6,840.00	10,135.68	6,840.00	120.00	118.46	90.00	-279.03	-5,091.42	1,320.15	1,084.82	235.33	5.610		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-11 - 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		
10,400.00	6,840.00	10,235.68	6,840.00	122.51	121.05	90.00	-278.56	-5,191.41	1,320.14	1,079.61	240.53	5.489		
10,500.00	6,840.00	10,335.68	6,840.00	125.04	123.66	90.00	-278.09	-5,291.41	1,320.12	1,074.39	245.73	5.372		
10,600.00	6,840.00	10,435.68	6,840.00	127.57	126.27	90.00	-277.63	-5,391.41	1,320.10	1,069.16	250.94	5.261		
10,700.00	6,840.00	10,535.68	6,840.00	130.11	128.88	90.00	-277.16	-5,491.41	1,320.09	1,063.92	256.16	5.153		
10,800.00	6,840.00	10,635.68	6,840.00	132.66	131.50	90.00	-276.69	-5,591.41	1,320.07	1,058.68	261.39	5.050		
10,900.00	6,840.00	10,735.68	6,840.00	135.21	134.12	90.00	-276.22	-5,691.41	1,320.05	1,053.42	266.63	4.951		
11,000.00	6,840.00	10,835.68	6,840.00	137.77	136.75	90.00	-275.75	-5,791.41	1,320.03	1,048.16	271.88	4.855		
11,100.00	6,840.00	10,935.68	6,840.00	140.34	139.37	90.00	-275.28	-5,891.41	1,320.02	1,042.89	277.13	4.763		
11,200.00	6,840.00	11,035.68	6,840.00	142.91	142.01	90.00	-274.81	-5,991.41	1,320.00	1,037.61	282.39	4.674		
11,300.00	6,840.00	11,135.68	6,840.00	145.49	144.64	90.00	-274.34	-6,091.40	1,319.98	1,032.32	287.66	4.589		
11,400.00	6,840.00	11,235.68	6,840.00	148.07	147.28	90.00	-273.88	-6,191.40	1,319.97	1,027.03	292.93	4.506		
11,500.00	6,840.00	11,335.68	6,840.00	150.66	149.92	90.00	-273.41	-6,291.40	1,319.95	1,021.73	298.21	4.426		
11,600.00	6,840.00	11,435.68	6,840.00	153.25	152.57	90.00	-272.94	-6,391.40	1,319.93	1,016.43	303.50	4.349		
11,700.00	6,840.00	11,535.68	6,840.00	155.85	155.22	90.00	-272.47	-6,491.40	1,319.91	1,011.12	308.79	4.274		
11,800.00	6,840.00	11,635.68	6,840.00	158.45	157.87	90.00	-272.00	-6,591.40	1,319.90	1,005.81	314.09	4.202		
11,900.00	6,840.00	11,735.68	6,840.00	161.06	160.52	90.00	-271.53	-6,691.40	1,319.88	1,000.49	319.39	4.133		
12,000.00	6,840.00	11,835.68	6,840.00	163.67	163.17	90.00	-271.06	-6,791.40	1,319.86	995.17	324.69	4.065		
12,100.00	6,840.00	11,935.68	6,840.00	166.28	165.83	90.00	-270.59	-6,891.40	1,319.85	989.84	330.00	4.000		
12,200.00	6,840.00	12,035.68	6,840.00	168.90	168.49	90.00	-270.13	-6,991.39	1,319.83	984.51	335.32	3.936		
12,300.00	6,840.00	12,135.68	6,840.00	171.52	171.15	90.00	-269.66	-7,091.39	1,319.81	979.18	340.63	3.875		
12,400.00	6,840.00	12,235.68	6,840.00	174.15	173.81	90.00	-269.19	-7,191.39	1,319.79	973.84	345.96	3.815		
12,500.00	6,840.00	12,335.68	6,840.00	176.77	176.47	90.00	-268.72	-7,291.39	1,319.78	968.50	351.28	3.757		
12,600.00	6,840.00	12,435.68	6,840.00	179.40	179.14	90.00	-268.25	-7,391.39	1,319.76	963.15	356.61	3.701		
12,700.00	6,840.00	12,535.68	6,840.00	182.04	181.81	90.00	-267.78	-7,491.39	1,319.74	957.80	361.94	3.646		
12,800.00	6,840.00	12,635.68	6,840.00	184.67	184.48	90.00	-267.31	-7,591.39	1,319.73	952.45	367.28	3.593		
12,900.00	6,840.00	12,735.68	6,840.00	187.31	187.15	90.00	-266.84	-7,691.39	1,319.71	947.09	372.62	3.542		
13,000.00	6,840.00	12,835.68	6,840.00	189.95	189.82	90.00	-266.37	-7,791.39	1,319.69	941.73	377.96	3.492		
13,100.00	6,840.00	12,935.68	6,840.00	192.59	192.49	90.00	-265.91	-7,891.38	1,319.67	936.37	383.30	3.443		
13,200.00	6,840.00	13,035.68	6,840.00	195.24	195.16	90.00	-265.44	-7,991.38	1,319.66	931.01	388.65	3.396		
13,300.00	6,840.00	13,135.68	6,840.00	197.88	197.84	90.00	-264.97	-8,091.38	1,319.64	925.64	394.00	3.349		
13,400.00	6,840.00	13,235.68	6,840.00	200.53	200.52	90.00	-264.50	-8,191.38	1,319.62	920.27	399.35	3.304		
13,500.00	6,840.00	13,335.68	6,840.00	203.18	203.20	90.00	-264.03	-8,291.38	1,319.61	914.90	404.70	3.261		
13,600.00	6,840.00	13,435.68	6,840.00	205.83	205.87	90.00	-263.56	-8,391.38	1,319.59	909.53	410.06	3.218		
13,700.00	6,840.00	13,535.68	6,840.00	208.49	208.55	90.00	-263.09	-8,491.38	1,319.57	904.15	415.42	3.176		
13,800.00	6,840.00	13,635.68	6,840.00	211.14	211.24	90.00	-262.62	-8,591.38	1,319.55	898.78	420.78	3.136		
13,900.00	6,840.00	13,735.68	6,840.00	213.80	213.92	90.00	-262.16	-8,691.38	1,319.54	893.40	426.14	3.096		
14,000.00	6,840.00	13,835.68	6,840.00	216.46	216.60	90.00	-261.69	-8,791.37	1,319.52	888.02	431.50	3.058		
14,100.00	6,840.00	13,935.68	6,840.00	219.12	219.28	90.00	-261.22	-8,891.37	1,319.50	882.63	436.87	3.020		
14,200.00	6,840.00	14,035.68	6,840.00	221.78	221.97	90.00	-260.75	-8,991.37	1,319.49	877.25	442.24	2.984		
14,300.00	6,840.00	14,135.68	6,840.00	224.45	224.66	90.00	-260.28	-9,091.37	1,319.47	871.86	447.61	2.948		
14,400.00	6,840.00	14,235.68	6,840.00	227.11	227.34	90.00	-259.81	-9,191.37	1,319.45	866.47	452.98	2.913		
14,500.00	6,840.00	14,335.68	6,840.00	229.78	230.03	90.00	-259.34	-9,291.37	1,319.43	861.08	458.35	2.879		
14,600.00	6,840.00	14,435.68	6,840.00	232.45	232.72	90.00	-258.87	-9,391.37	1,319.42	855.69	463.73	2.845		
14,700.00	6,840.00	14,535.68	6,840.00	235.12	235.41	90.00	-258.41	-9,491.37	1,319.40	850.30	469.10	2.813		
14,800.00	6,840.00	14,635.68	6,840.00	237.79	238.10	90.00	-257.94	-9,591.37	1,319.38	844.90	474.48	2.781		
14,900.00	6,840.00	14,735.68	6,840.00	240.46	240.79	90.00	-257.47	-9,691.36	1,319.37	839.51	479.86	2.749		
15,000.00	6,840.00	14,835.68	6,840.00	243.13	243.48	90.00	-257.00	-9,791.36	1,319.35	834.11	485.24	2.719		
15,100.00	6,840.00	14,935.68	6,840.00	245.80	246.17	90.00	-256.53	-9,891.36	1,319.33	828.71	490.62	2.689		
15,200.00	6,840.00	15,035.68	6,840.00	248.48	248.86	90.00	-256.06	-9,991.36	1,319.31	823.31	496.01	2.660		
15,300.00	6,840.00	15,135.68	6,840.00	251.15	251.55	90.00	-255.59	-10,091.36	1,319.30	817.91	501.39	2.631		
15,400.00	6,840.00	15,235.68	6,840.00	253.83	254.25	90.00	-255.12	-10,191.36	1,319.28	812.51	506.77	2.603		
15,500.00	6,840.00	15,335.68	6,840.00	256.51	256.94	90.00	-254.65	-10,291.36	1,319.26	807.10	512.16	2.576		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-11 - 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		
15,600.00	6,840.00	15,435.68	6,840.00	259.19	259.63	90.00	-254.19	-10,391.36	1,319.25	801.70	517.55	2.549		
15,700.00	6,840.00	15,535.68	6,840.00	261.87	262.33	90.00	-253.72	-10,491.36	1,319.23	796.29	522.94	2.523		
15,800.00	6,840.00	15,635.68	6,840.00	264.55	265.02	90.00	-253.25	-10,591.36	1,319.21	790.88	528.33	2.497		
15,900.00	6,840.00	15,735.68	6,840.00	267.23	267.72	90.00	-252.78	-10,691.35	1,319.20	785.48	533.72	2.472		
16,000.00	6,840.00	15,835.68	6,840.00	269.91	270.42	90.00	-252.31	-10,791.35	1,319.18	780.07	539.11	2.447		
16,100.00	6,840.00	15,935.68	6,840.00	272.59	273.11	90.00	-251.84	-10,891.35	1,319.16	774.66	544.50	2.423		
16,200.00	6,840.00	16,035.68	6,840.00	275.28	275.81	90.00	-251.37	-10,991.35	1,319.14	769.25	549.90	2.399		
16,300.00	6,840.00	16,135.68	6,840.00	277.96	278.51	90.00	-250.90	-11,091.35	1,319.13	763.84	555.29	2.376		
16,400.00	6,840.00	16,235.68	6,840.00	280.64	281.21	90.00	-250.44	-11,191.35	1,319.11	758.42	560.69	2.353		
16,500.00	6,840.00	16,335.68	6,840.00	283.33	283.91	90.00	-249.97	-11,291.35	1,319.09	753.01	566.08	2.330		
16,600.00	6,840.00	16,435.68	6,840.00	286.02	286.61	90.00	-249.50	-11,391.35	1,319.08	747.60	571.48	2.308		
16,700.00	6,840.00	16,535.68	6,840.00	288.70	289.30	90.00	-249.03	-11,491.35	1,319.06	742.18	576.88	2.287		
16,800.00	6,840.00	16,635.68	6,840.00	291.39	292.00	90.00	-248.56	-11,591.34	1,319.04	736.77	582.28	2.265		
16,900.00	6,840.00	16,735.68	6,840.00	294.08	294.70	90.00	-248.09	-11,691.34	1,319.02	731.35	587.67	2.244		
17,000.00	6,840.00	16,835.68	6,840.00	296.77	297.40	90.00	-247.62	-11,791.34	1,319.01	725.93	593.07	2.224		
17,100.00	6,840.00	16,935.68	6,840.00	299.46	300.11	90.00	-247.15	-11,891.34	1,318.99	720.51	598.48	2.204		
17,200.00	6,840.00	17,035.68	6,840.00	302.14	302.81	90.00	-246.69	-11,991.34	1,318.97	715.10	603.88	2.184		
17,300.00	6,840.00	17,135.68	6,840.00	304.84	305.51	90.00	-246.22	-12,091.34	1,318.96	709.68	609.28	2.165		
17,400.00	6,840.00	17,235.68	6,840.00	307.53	308.21	90.00	-245.75	-12,191.34	1,318.94	704.26	614.68	2.146		
17,500.00	6,840.00	17,335.68	6,840.00	310.22	310.91	90.00	-245.28	-12,291.34	1,318.92	698.84	620.09	2.127		
17,600.00	6,840.00	17,435.68	6,840.00	312.91	313.61	90.00	-244.81	-12,391.34	1,318.90	693.41	625.49	2.109		
17,700.00	6,840.00	17,535.68	6,840.00	315.60	316.32	90.00	-244.34	-12,491.33	1,318.89	687.99	630.89	2.091		
17,800.00	6,840.00	17,635.68	6,840.00	318.29	319.02	90.00	-243.87	-12,591.33	1,318.87	682.57	636.30	2.073		
17,900.00	6,840.00	17,735.68	6,840.00	320.99	321.72	90.00	-243.40	-12,691.33	1,318.85	677.15	641.71	2.055		
18,000.00	6,840.00	17,835.68	6,840.00	323.68	324.43	90.00	-242.94	-12,791.33	1,318.84	671.72	647.11	2.038		
18,100.00	6,840.00	17,935.68	6,840.00	326.38	327.13	90.00	-242.47	-12,891.33	1,318.82	666.30	652.52	2.021		
18,200.00	6,840.00	18,035.68	6,840.00	329.07	329.84	90.00	-242.00	-12,991.33	1,318.80	660.87	657.93	2.004		
18,300.00	6,840.00	18,135.68	6,840.00	331.77	332.54	90.00	-241.53	-13,091.33	1,318.78	655.45	663.34	1.988		
18,400.00	6,840.00	18,235.68	6,840.00	334.46	335.24	90.00	-241.06	-13,191.33	1,318.77	650.02	668.74	1.972		
18,500.00	6,840.00	18,335.68	6,840.00	337.16	337.95	90.00	-240.59	-13,291.33	1,318.75	644.60	674.15	1.956		
18,600.00	6,840.00	18,435.68	6,840.00	339.85	340.65	90.00	-240.12	-13,391.32	1,318.73	639.17	679.56	1.941		
18,700.00	6,840.00	18,535.68	6,840.00	342.55	343.36	90.00	-239.65	-13,491.32	1,318.72	633.74	684.97	1.925		
18,800.00	6,840.00	18,635.68	6,840.00	345.25	346.07	90.00	-239.18	-13,591.32	1,318.70	628.32	690.38	1.910		
18,900.00	6,840.00	18,735.68	6,840.00	347.94	348.77	90.00	-238.72	-13,691.32	1,318.68	622.89	695.79	1.895		
19,000.00	6,840.00	18,835.68	6,840.00	350.64	351.48	90.00	-238.25	-13,791.32	1,318.66	617.46	701.21	1.881		
19,100.00	6,840.00	18,935.68	6,840.00	353.34	354.18	90.00	-237.78	-13,891.32	1,318.65	612.03	706.62	1.866		
19,200.00	6,840.00	19,035.68	6,840.00	356.04	356.89	90.00	-237.31	-13,991.32	1,318.63	606.60	712.03	1.852		
19,300.00	6,840.00	19,135.68	6,840.00	358.74	359.60	90.00	-236.84	-14,091.32	1,318.61	601.17	717.44	1.838		
19,400.00	6,840.00	19,235.68	6,840.00	361.44	362.30	90.00	-236.37	-14,191.32	1,318.60	595.74	722.86	1.824		
19,500.00	6,840.00	19,335.68	6,840.00	364.13	365.01	90.00	-235.90	-14,291.31	1,318.58	590.31	728.27	1.811		
19,600.00	6,840.00	19,435.68	6,840.00	366.83	367.72	90.00	-235.43	-14,391.31	1,318.56	584.88	733.68	1.797		
19,700.00	6,840.00	19,535.68	6,840.00	369.53	370.43	90.00	-234.97	-14,491.31	1,318.54	579.45	739.10	1.784		
19,800.00	6,840.00	19,635.68	6,840.00	372.23	373.13	90.00	-234.50	-14,591.31	1,318.53	574.02	744.51	1.771		
19,900.00	6,840.00	19,735.68	6,840.00	374.94	375.84	90.00	-234.03	-14,691.31	1,318.51	568.58	749.93	1.758		
20,000.00	6,840.00	19,835.68	6,840.00	377.64	378.55	90.00	-233.56	-14,791.31	1,318.49	563.15	755.34	1.746		
20,100.00	6,840.00	19,935.68	6,840.00	380.34	381.26	90.00	-233.09	-14,891.31	1,318.48	557.72	760.76	1.733		
20,200.00	6,840.00	20,035.68	6,840.00	383.04	383.97	90.00	-232.62	-14,991.31	1,318.46	552.28	766.17	1.721		
20,300.00	6,840.00	20,135.68	6,840.00	385.74	386.67	90.00	-232.15	-15,091.31	1,318.44	546.85	771.59	1.709		
20,400.00	6,840.00	20,235.68	6,840.00	388.44	389.38	90.00	-231.68	-15,191.30	1,318.42	541.42	777.01	1.697		
20,500.00	6,840.00	20,335.68	6,840.00	391.14	392.09	90.00	-231.22	-15,291.30	1,318.41	535.98	782.42	1.685		
20,552.28	6,840.00	20,387.96	6,840.00	392.56	393.51	90.00	-230.97	-15,343.58	1,318.40	533.14	785.26	1.679 SF		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-12 - 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	0.01	67.40	0.00	67.40					
100.00	100.00	100.00	100.00	0.13	0.13	0.01	67.40	0.00	67.40	67.13	0.27	250.680		
200.00	200.00	200.00	200.00	0.49	0.49	0.01	67.40	0.00	67.40	66.41	0.99	68.367		
300.00	300.00	300.00	300.00	0.85	0.85	0.01	67.40	0.00	67.40	65.69	1.70	39.581 CC, ES		
400.00	399.98	400.02	399.98	1.20	1.21	129.18	67.40	0.00	68.49	66.08	2.41	28.441		
500.00	499.84	500.16	499.84	1.55	1.57	132.36	67.40	0.00	71.91	68.79	3.11	23.091		
600.00	599.45	600.55	599.45	1.91	1.93	137.00	67.40	0.00	78.05	74.22	3.83	20.363		
700.00	698.70	698.70	698.70	2.29	2.28	142.33	67.40	0.00	87.38	82.83	4.55	19.191		
800.00	797.47	799.59	799.57	2.70	2.63	146.97	66.85	-1.64	99.22	93.94	5.28	18.807		
900.00	895.62	900.93	900.77	3.14	2.98	150.11	65.17	-6.68	112.28	106.28	6.00	18.716		
1,000.00	993.06	1,002.69	1,002.12	3.62	3.34	152.12	62.34	-15.15	126.29	119.55	6.74	18.739		
1,100.00	1,089.64	1,104.83	1,103.49	4.14	3.72	153.30	58.36	-27.09	141.06	133.56	7.50	18.809		
1,200.00	1,185.27	1,207.35	1,204.71	4.70	4.12	153.85	53.22	-42.51	156.49	148.20	8.29	18.884		
1,300.00	1,279.82	1,310.23	1,305.63	5.31	4.54	153.93	46.91	-61.42	172.53	163.42	9.11	18.945		
1,400.00	1,373.17	1,413.44	1,406.09	5.98	5.01	153.66	39.43	-83.84	189.15	179.18	9.97	18.976		
1,500.00	1,465.22	1,516.98	1,505.95	6.70	5.52	153.12	30.78	-109.76	206.34	195.45	10.88	18.957		
1,600.00	1,556.72	1,621.08	1,605.29	7.45	6.07	152.26	20.94	-139.26	222.29	210.43	11.86	18.739		
1,700.00	1,648.21	1,725.74	1,703.96	8.21	6.69	150.84	9.91	-172.34	235.84	222.91	12.92	18.247		
1,800.00	1,739.71	1,826.97	1,798.37	8.99	7.33	149.10	-1.65	-206.99	247.59	233.51	14.07	17.592		
1,900.00	1,831.20	1,926.02	1,890.66	9.77	7.98	147.51	-13.04	-241.12	259.38	244.11	15.27	16.986		
2,000.00	1,922.69	2,025.08	1,982.95	10.56	8.65	146.05	-24.42	-275.25	271.35	254.84	16.50	16.440		
2,100.00	2,014.19	2,124.13	2,075.24	11.35	9.34	144.72	-35.81	-309.38	283.47	265.70	17.77	15.950		
2,200.00	2,105.68	2,223.19	2,167.53	12.14	10.03	143.50	-47.19	-343.51	295.74	276.67	19.07	15.509		
2,300.00	2,197.18	2,322.24	2,259.82	12.94	10.74	142.38	-58.58	-377.64	308.13	287.74	20.39	15.112		
2,400.00	2,288.67	2,421.30	2,352.11	13.74	11.45	141.34	-69.96	-411.77	320.63	298.90	21.73	14.755		
2,500.00	2,380.17	2,520.35	2,444.40	14.54	12.16	140.38	-81.35	-445.90	333.22	310.13	23.09	14.432		
2,600.00	2,471.66	2,619.41	2,536.69	15.35	12.88	139.49	-92.74	-480.04	345.90	321.44	24.46	14.140		
2,700.00	2,563.16	2,718.46	2,628.98	16.15	13.60	138.67	-104.12	-514.17	358.65	332.80	25.85	13.875		
2,800.00	2,654.65	2,817.52	2,721.27	16.96	14.33	137.90	-115.51	-548.30	371.48	344.23	27.25	13.633		
2,900.00	2,746.15	2,916.57	2,813.56	17.76	15.06	137.18	-126.89	-582.43	384.36	355.71	28.66	13.413		
3,000.00	2,837.64	3,015.63	2,905.84	18.57	15.79	136.51	-138.28	-616.56	397.30	367.23	30.07	13.212		
3,100.00	2,929.14	3,114.68	2,998.13	19.38	16.53	135.88	-149.66	-650.69	410.29	378.80	31.50	13.027		
3,200.00	3,020.63	3,213.74	3,090.42	20.19	17.26	135.29	-161.05	-684.82	423.33	390.41	32.93	12.857		
3,300.00	3,112.13	3,312.79	3,182.71	21.00	18.00	134.73	-172.43	-718.95	436.41	402.05	34.36	12.700		
3,400.00	3,203.62	3,411.85	3,275.00	21.81	18.74	134.21	-183.82	-753.08	449.53	413.72	35.80	12.555		
3,500.00	3,295.12	3,510.90	3,367.29	22.63	19.48	133.72	-195.21	-787.22	462.68	425.43	37.25	12.421		
3,600.00	3,386.61	3,609.96	3,459.58	23.44	20.22	133.25	-206.59	-821.35	475.86	437.16	38.70	12.296		
3,700.00	3,478.10	3,709.01	3,551.87	24.25	20.96	132.81	-217.98	-855.48	489.07	448.92	40.15	12.180		
3,800.00	3,569.60	3,808.07	3,644.16	25.06	21.71	132.39	-229.36	-889.61	502.31	460.70	41.61	12.072		
3,900.00	3,661.09	3,907.12	3,736.45	25.88	22.45	131.99	-240.75	-923.74	515.58	472.51	43.07	11.971		
4,000.00	3,752.59	4,006.18	3,828.74	26.69	23.20	131.62	-252.13	-957.87	528.86	484.33	44.53	11.876		
4,100.00	3,844.08	4,105.23	3,921.03	27.50	23.94	131.26	-263.52	-992.00	542.17	496.18	46.00	11.787		
4,200.00	3,935.58	4,204.29	4,013.32	28.32	24.69	130.92	-274.90	-1,026.13	555.50	508.04	47.46	11.704		
4,300.00	4,027.07	4,303.34	4,105.60	29.13	25.44	130.59	-286.29	-1,060.26	568.85	519.92	48.93	11.625		
4,400.00	4,118.57	4,402.40	4,197.89	29.95	26.18	130.28	-297.68	-1,094.40	582.21	531.81	50.40	11.551		
4,500.00	4,210.06	4,501.45	4,290.18	30.76	26.93	129.99	-309.06	-1,128.53	595.59	543.72	51.88	11.481		
4,600.00	4,301.56	4,600.51	4,382.47	31.58	27.68	129.71	-320.45	-1,162.66	608.99	555.64	53.35	11.415		
4,700.00	4,393.05	4,699.56	4,474.76	32.39	28.43	129.43	-331.83	-1,196.79	622.40	567.57	54.82	11.353		
4,800.00	4,484.55	4,801.39	4,567.05	33.21	29.20	129.17	-343.22	-1,230.92	635.82	579.50	56.32	11.289		
4,900.00	4,576.04	4,902.33	4,659.34	34.02	29.96	128.93	-354.60	-1,265.05	649.25	591.44	57.81	11.231		
5,000.00	4,667.54	5,003.28	4,751.63	34.84	30.72	128.69	-365.99	-1,299.18	662.70	603.40	59.30	11.175		
5,100.00	4,759.03	5,095.78	4,843.92	35.65	31.43	128.46	-377.37	-1,333.31	676.16	615.42	60.74	11.133		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-12 - 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	4,850.53	5,205.17	4,936.21	36.47	32.25	128.24	-388.76	-1,367.45	689.62	627.33	62.29	11.071		
5,300.00	4,942.02	5,306.11	5,028.50	37.28	33.02	128.03	-400.15	-1,401.58	703.10	639.32	63.79	11.023		
5,400.00	5,033.51	5,392.94	5,120.79	38.10	33.68	127.82	-411.53	-1,435.71	716.59	651.41	65.18	10.994		
5,500.00	5,125.01	5,508.00	5,213.08	38.92	34.55	127.63	-422.92	-1,469.84	730.08	663.30	66.78	10.933		
5,600.00	5,216.50	5,608.95	5,305.37	39.73	35.31	127.44	-434.30	-1,503.97	743.58	675.31	68.27	10.891		
5,700.00	5,308.00	5,690.11	5,397.65	40.55	35.93	127.25	-445.69	-1,538.10	757.09	687.47	69.63	10.873		
5,800.00	5,399.49	5,789.16	5,489.94	41.36	36.68	127.08	-457.07	-1,572.23	770.61	699.50	71.11	10.836		
5,900.00	5,490.99	5,888.22	5,582.23	42.18	37.43	126.91	-468.46	-1,606.36	784.14	711.54	72.60	10.801		
6,000.00	5,582.48	5,987.27	5,674.52	43.00	38.18	126.74	-479.84	-1,640.49	797.67	723.58	74.08	10.767		
6,100.00	5,673.98	6,086.33	5,766.81	43.81	38.94	126.59	-491.23	-1,674.63	811.20	735.64	75.57	10.735		
6,200.00	5,765.47	6,185.38	5,859.10	44.63	39.69	126.43	-502.62	-1,708.76	824.75	747.69	77.06	10.703		
6,300.00	5,856.97	6,284.44	5,951.39	45.45	40.44	126.28	-514.00	-1,742.89	838.30	759.75	78.54	10.673		
6,400.00	5,948.46	6,383.49	6,043.68	46.26	41.19	126.14	-525.39	-1,777.02	851.85	771.82	80.03	10.644		
6,500.00	6,039.96	6,482.55	6,135.97	47.08	41.95	126.00	-536.77	-1,811.15	865.41	783.89	81.52	10.616		
6,600.00	6,131.45	6,581.60	6,228.26	47.90	42.70	125.87	-548.16	-1,845.28	878.97	795.97	83.00	10.589		
6,700.00	6,222.95	6,680.66	6,320.55	48.71	43.45	125.73	-559.54	-1,879.41	892.54	808.05	84.49	10.564		
6,800.00	6,314.44	6,779.71	6,412.84	49.53	44.20	125.61	-570.93	-1,913.54	906.11	820.13	85.98	10.539		
6,900.00	6,405.93	6,875.83	6,501.93	50.35	44.96	125.41	-581.91	-1,947.83	919.76	832.26	87.49	10.512		
7,000.00	6,497.01	6,965.53	6,580.15	51.18	45.85	118.98	-591.50	-1,990.50	934.03	844.63	89.40	10.447		
7,100.00	6,582.62	7,052.80	6,649.01	52.20	46.92	108.07	-599.87	-2,043.30	947.83	856.20	91.63	10.344		
7,200.00	6,659.25	7,138.46	6,708.12	53.42	48.17	101.14	-606.97	-2,104.79	960.34	866.22	94.12	10.204		
7,300.00	6,724.59	7,222.89	6,756.84	54.84	49.56	96.48	-612.74	-2,173.40	971.09	874.28	96.81	10.031		
7,400.00	6,776.64	7,306.40	6,794.69	56.40	51.07	93.33	-617.13	-2,247.63	979.71	880.04	99.67	9.829		
7,500.00	6,813.82	7,389.28	6,821.29	58.08	52.66	91.31	-620.09	-2,326.00	985.88	883.20	102.67	9.602		
7,600.00	6,835.01	7,471.77	6,836.36	59.82	54.31	90.24	-621.59	-2,407.02	989.38	883.63	105.75	9.356		
7,700.00	6,840.00	7,557.86	6,840.00	61.57	56.05	90.00	-621.64	-2,492.96	990.18	881.11	109.07	9.079		
7,800.00	6,840.00	7,657.86	6,840.00	63.35	58.10	90.00	-621.17	-2,592.96	990.16	876.92	113.24	8.744		
7,900.00	6,840.00	7,757.86	6,840.00	65.20	60.21	90.00	-620.70	-2,692.96	990.15	872.63	117.51	8.426		
8,000.00	6,840.00	7,857.86	6,840.00	67.10	62.36	90.00	-620.22	-2,792.96	990.13	868.25	121.88	8.124		
8,100.00	6,840.00	7,957.86	6,840.00	69.05	64.56	90.00	-619.75	-2,892.96	990.12	863.79	126.33	7.837		
8,200.00	6,840.00	8,057.86	6,840.00	71.06	66.79	90.00	-619.28	-2,992.96	990.11	859.25	130.86	7.566		
8,300.00	6,840.00	8,157.86	6,840.00	73.11	69.06	90.00	-618.81	-3,092.96	990.09	854.64	135.45	7.310		
8,400.00	6,840.00	8,257.86	6,840.00	75.21	71.36	90.00	-618.34	-3,192.96	990.08	849.97	140.10	7.067		
8,500.00	6,840.00	8,357.86	6,840.00	77.34	73.69	90.00	-617.87	-3,292.96	990.06	845.25	144.81	6.837		
8,600.00	6,840.00	8,457.86	6,840.00	79.51	76.05	90.00	-617.39	-3,392.95	990.05	840.48	149.57	6.619		
8,700.00	6,840.00	8,557.86	6,840.00	81.72	78.43	90.00	-616.92	-3,492.95	990.03	835.66	154.37	6.413		
8,800.00	6,840.00	8,657.86	6,840.00	83.95	80.83	90.00	-616.45	-3,592.95	990.02	830.81	159.21	6.218		
8,900.00	6,840.00	8,757.86	6,840.00	86.22	83.25	90.00	-615.98	-3,692.95	990.01	825.91	164.09	6.033		
9,000.00	6,840.00	8,857.86	6,840.00	88.51	85.69	90.00	-615.51	-3,792.95	989.99	820.98	169.01	5.858		
9,100.00	6,840.00	8,957.86	6,840.00	90.83	88.15	90.00	-615.04	-3,892.95	989.98	816.02	173.96	5.691		
9,200.00	6,840.00	9,057.86	6,840.00	93.16	90.62	90.00	-614.56	-3,992.95	989.96	811.03	178.93	5.533		
9,300.00	6,840.00	9,157.86	6,840.00	95.52	93.11	90.00	-614.09	-4,092.95	989.95	806.02	183.93	5.382		
9,400.00	6,840.00	9,257.86	6,840.00	97.90	95.61	90.00	-613.62	-4,192.95	989.93	800.98	188.96	5.239		
9,500.00	6,840.00	9,357.86	6,840.00	100.30	98.12	90.00	-613.15	-4,292.94	989.92	795.91	194.01	5.103		
9,600.00	6,840.00	9,457.86	6,840.00	102.72	100.64	90.00	-612.68	-4,392.94	989.91	790.83	199.07	4.973		
9,700.00	6,840.00	9,557.86	6,840.00	105.15	103.17	90.00	-612.21	-4,492.94	989.89	785.73	204.16	4.849		
9,800.00	6,840.00	9,657.86	6,840.00	107.59	105.71	90.00	-611.73	-4,592.94	989.88	780.61	209.27	4.730		
9,900.00	6,840.00	9,757.86	6,840.00	110.05	108.26	90.00	-611.26	-4,692.94	989.86	775.47	214.39	4.617		
10,000.00	6,840.00	9,857.86	6,840.00	112.52	110.82	90.00	-610.79	-4,792.94	989.85	770.32	219.53	4.509		
10,100.00	6,840.00	9,957.86	6,840.00	115.00	113.39	90.00	-610.32	-4,892.94	989.83	765.16	224.68	4.406		
10,200.00	6,840.00	10,057.86	6,840.00	117.50	115.96	90.00	-609.85	-4,992.94	989.82	759.98	229.84	4.307		
10,300.00	6,840.00	10,157.86	6,840.00	120.00	118.54	90.00	-609.38	-5,092.94	989.81	754.79	235.02	4.212		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-12 - 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		
10,400.00	6,840.00	10,257.86	6,840.00	122.51	121.13	90.00	-608.90	-5,192.93	989.79	749.58	240.21	4.121		
10,500.00	6,840.00	10,357.86	6,840.00	125.04	123.72	90.00	-608.43	-5,292.93	989.78	744.37	245.41	4.033		
10,600.00	6,840.00	10,457.86	6,840.00	127.57	126.31	90.00	-607.96	-5,392.93	989.76	739.15	250.62	3.949		
10,700.00	6,840.00	10,557.86	6,840.00	130.11	128.92	90.00	-607.49	-5,492.93	989.75	733.91	255.84	3.869		
10,800.00	6,840.00	10,657.86	6,840.00	132.66	131.52	90.00	-607.02	-5,592.93	989.73	728.67	261.06	3.791		
10,900.00	6,840.00	10,757.86	6,840.00	135.21	134.14	90.00	-606.55	-5,692.93	989.72	723.42	266.30	3.717		
11,000.00	6,840.00	10,857.86	6,840.00	137.77	136.75	90.00	-606.07	-5,792.93	989.71	718.16	271.55	3.645		
11,100.00	6,840.00	10,957.86	6,840.00	140.34	139.37	90.00	-605.60	-5,892.93	989.69	712.89	276.80	3.575		
11,200.00	6,840.00	11,057.86	6,840.00	142.91	142.00	90.00	-605.13	-5,992.93	989.68	707.62	282.06	3.509		
11,300.00	6,840.00	11,157.86	6,840.00	145.49	144.62	90.00	-604.66	-6,092.92	989.66	702.34	287.32	3.444		
11,400.00	6,840.00	11,257.86	6,840.00	148.07	147.26	90.00	-604.19	-6,192.92	989.65	697.05	292.60	3.382		
11,500.00	6,840.00	11,357.86	6,840.00	150.66	149.89	90.00	-603.72	-6,292.92	989.63	691.76	297.87	3.322		
11,600.00	6,840.00	11,457.86	6,840.00	153.25	152.53	90.00	-603.25	-6,392.92	989.62	686.46	303.16	3.264		
11,700.00	6,840.00	11,557.86	6,840.00	155.85	155.17	90.00	-602.77	-6,492.92	989.61	681.16	308.45	3.208		
11,800.00	6,840.00	11,657.86	6,840.00	158.45	157.81	90.00	-602.30	-6,592.92	989.59	675.85	313.74	3.154		
11,900.00	6,840.00	11,757.86	6,840.00	161.06	160.45	90.00	-601.83	-6,692.92	989.58	670.53	319.04	3.102		
12,000.00	6,840.00	11,857.86	6,840.00	163.67	163.10	90.00	-601.36	-6,792.92	989.56	665.22	324.35	3.051		
12,100.00	6,840.00	11,957.86	6,840.00	166.28	165.75	90.00	-600.89	-6,892.92	989.55	659.89	329.66	3.002		
12,200.00	6,840.00	12,057.86	6,840.00	168.90	168.41	90.00	-600.42	-6,992.91	989.53	654.57	334.97	2.954		
12,300.00	6,840.00	12,157.86	6,840.00	171.52	171.06	90.00	-599.94	-7,092.91	989.52	649.23	340.29	2.908		
12,400.00	6,840.00	12,257.86	6,840.00	174.15	173.72	90.00	-599.47	-7,192.91	989.51	643.90	345.61	2.863		
12,500.00	6,840.00	12,357.86	6,840.00	176.77	176.38	90.00	-599.00	-7,292.91	989.49	638.56	350.93	2.820		
12,600.00	6,840.00	12,457.86	6,840.00	179.40	179.04	90.00	-598.53	-7,392.91	989.48	633.22	356.26	2.777		
12,700.00	6,840.00	12,557.86	6,840.00	182.04	181.70	90.00	-598.06	-7,492.91	989.46	627.87	361.59	2.736		
12,800.00	6,840.00	12,657.86	6,840.00	184.67	184.36	90.00	-597.59	-7,592.91	989.45	622.53	366.92	2.697		
12,900.00	6,840.00	12,757.86	6,840.00	187.31	187.03	90.00	-597.11	-7,692.91	989.43	617.17	372.26	2.658		
13,000.00	6,840.00	12,857.86	6,840.00	189.95	189.69	90.00	-596.64	-7,792.91	989.42	611.82	377.60	2.620		
13,100.00	6,840.00	12,957.86	6,840.00	192.59	192.36	90.00	-596.17	-7,892.90	989.41	606.46	382.94	2.584		
13,200.00	6,840.00	13,057.86	6,840.00	195.24	195.03	90.00	-595.70	-7,992.90	989.39	601.10	388.29	2.548		
13,300.00	6,840.00	13,157.86	6,840.00	197.88	197.70	90.00	-595.23	-8,092.90	989.38	595.74	393.64	2.513		
13,400.00	6,840.00	13,257.86	6,840.00	200.53	200.38	90.00	-594.76	-8,192.90	989.36	590.37	398.99	2.480		
13,500.00	6,840.00	13,357.86	6,840.00	203.18	203.05	90.00	-594.28	-8,292.90	989.35	585.01	404.34	2.447		
13,600.00	6,840.00	13,457.86	6,840.00	205.83	205.73	90.00	-593.81	-8,392.90	989.33	579.64	409.70	2.415		
13,700.00	6,840.00	13,557.86	6,840.00	208.49	208.40	90.00	-593.34	-8,492.90	989.32	574.26	415.06	2.384		
13,800.00	6,840.00	13,657.86	6,840.00	211.14	211.08	90.00	-592.87	-8,592.90	989.31	568.89	420.42	2.353		
13,900.00	6,840.00	13,757.86	6,840.00	213.80	213.76	90.00	-592.40	-8,692.90	989.29	563.51	425.78	2.323		
14,000.00	6,840.00	13,857.86	6,840.00	216.46	216.44	90.00	-591.93	-8,792.89	989.28	558.14	431.14	2.295		
14,100.00	6,840.00	13,957.86	6,840.00	219.12	219.12	90.00	-591.45	-8,892.89	989.26	552.76	436.51	2.266		
14,200.00	6,840.00	14,057.86	6,840.00	221.78	221.80	90.00	-590.98	-8,992.89	989.25	547.37	441.87	2.239		
14,300.00	6,840.00	14,157.86	6,840.00	224.45	224.48	90.00	-590.51	-9,092.89	989.24	541.99	447.24	2.212		
14,400.00	6,840.00	14,257.86	6,840.00	227.11	227.17	90.00	-590.04	-9,192.89	989.22	536.61	452.61	2.186		
14,500.00	6,840.00	14,357.86	6,840.00	229.78	229.85	90.00	-589.57	-9,292.89	989.21	531.22	457.99	2.160		
14,600.00	6,840.00	14,457.86	6,840.00	232.45	232.54	90.00	-589.10	-9,392.89	989.19	525.83	463.36	2.135		
14,700.00	6,840.00	14,557.86	6,840.00	235.12	235.22	90.00	-588.62	-9,492.89	989.18	520.44	468.74	2.110		
14,800.00	6,840.00	14,657.86	6,840.00	237.79	237.91	90.00	-588.15	-9,592.89	989.16	515.05	474.11	2.086		
14,900.00	6,840.00	14,757.86	6,840.00	240.46	240.60	90.00	-587.68	-9,692.88	989.15	509.66	479.49	2.063		
15,000.00	6,840.00	14,857.86	6,840.00	243.13	243.28	90.00	-587.21	-9,792.88	989.14	504.26	484.87	2.040		
15,100.00	6,840.00	14,957.86	6,840.00	245.80	245.97	90.00	-586.74	-9,892.88	989.12	498.87	490.25	2.018		
15,200.00	6,840.00	15,057.86	6,840.00	248.48	248.66	90.00	-586.27	-9,992.88	989.11	493.47	495.64	1.996		
15,300.00	6,840.00	15,157.86	6,840.00	251.15	251.35	90.00	-585.79	-10,092.88	989.09	488.07	501.02	1.974		
15,400.00	6,840.00	15,257.86	6,840.00	253.83	254.04	90.00	-585.32	-10,192.88	989.08	482.67	506.40	1.953		
15,500.00	6,840.00	15,357.86	6,840.00	256.51	256.74	90.00	-584.85	-10,292.88	989.06	477.27	511.79	1.933		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-12 - 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		
15,600.00	6,840.00	15,457.86	6,840.00	259.19	259.43	90.00	-584.38	-10,392.88	989.05	471.87	517.18	1.912		
15,700.00	6,840.00	15,557.86	6,840.00	261.87	262.12	90.00	-583.91	-10,492.88	989.04	466.47	522.57	1.893		
15,800.00	6,840.00	15,657.86	6,840.00	264.55	264.81	90.00	-583.44	-10,592.87	989.02	461.07	527.95	1.873		
15,900.00	6,840.00	15,757.86	6,840.00	267.23	267.51	90.00	-582.96	-10,692.87	989.01	455.66	533.35	1.854		
16,000.00	6,840.00	15,857.86	6,840.00	269.91	270.20	90.00	-582.49	-10,792.87	988.99	450.26	538.74	1.836		
16,100.00	6,840.00	15,957.86	6,840.00	272.59	272.90	90.00	-582.02	-10,892.87	988.98	444.85	544.13	1.818		
16,200.00	6,840.00	16,057.86	6,840.00	275.28	275.59	90.00	-581.55	-10,992.87	988.96	439.44	549.52	1.800		
16,300.00	6,840.00	16,157.86	6,840.00	277.96	278.29	90.00	-581.08	-11,092.87	988.95	434.03	554.92	1.782		
16,400.00	6,840.00	16,257.86	6,840.00	280.64	280.98	90.00	-580.61	-11,192.87	988.94	428.62	560.31	1.765		
16,500.00	6,840.00	16,357.86	6,840.00	283.33	283.68	90.00	-580.13	-11,292.87	988.92	423.21	565.71	1.748		
16,600.00	6,840.00	16,457.86	6,840.00	286.02	286.38	90.00	-579.66	-11,392.87	988.91	417.80	571.10	1.732		
16,700.00	6,840.00	16,557.86	6,840.00	288.70	289.08	90.00	-579.19	-11,492.86	988.89	412.39	576.50	1.715		
16,800.00	6,840.00	16,657.86	6,840.00	291.39	291.77	90.00	-578.72	-11,592.86	988.88	406.98	581.90	1.699		
16,900.00	6,840.00	16,757.86	6,840.00	294.08	294.47	90.00	-578.25	-11,692.86	988.86	401.57	587.30	1.684		
17,000.00	6,840.00	16,857.86	6,840.00	296.77	297.17	90.00	-577.78	-11,792.86	988.85	396.15	592.70	1.668		
17,100.00	6,840.00	16,957.86	6,840.00	299.46	299.87	90.00	-577.30	-11,892.86	988.84	390.74	598.10	1.653		
17,200.00	6,840.00	17,057.86	6,840.00	302.14	302.57	90.00	-576.83	-11,992.86	988.82	385.32	603.50	1.638		
17,300.00	6,840.00	17,157.86	6,840.00	304.84	305.27	90.00	-576.36	-12,092.86	988.81	379.91	608.90	1.624		
17,400.00	6,840.00	17,257.86	6,840.00	307.53	307.97	90.00	-575.89	-12,192.86	988.79	374.49	614.30	1.610		
17,500.00	6,840.00	17,357.86	6,840.00	310.22	310.67	90.00	-575.42	-12,292.86	988.78	369.07	619.71	1.596		
17,600.00	6,840.00	17,457.86	6,840.00	312.91	313.37	90.00	-574.95	-12,392.85	988.76	363.65	625.11	1.582		
17,700.00	6,840.00	17,557.86	6,840.00	315.60	316.07	90.00	-574.47	-12,492.85	988.75	358.23	630.52	1.568		
17,800.00	6,840.00	17,657.86	6,840.00	318.29	318.77	90.00	-574.00	-12,592.85	988.74	352.81	635.92	1.555		
17,900.00	6,840.00	17,757.86	6,840.00	320.99	321.48	90.00	-573.53	-12,692.85	988.72	347.39	641.33	1.542		
18,000.00	6,840.00	17,857.86	6,840.00	323.68	324.18	90.00	-573.06	-12,792.85	988.71	341.97	646.73	1.529		
18,100.00	6,840.00	17,957.86	6,840.00	326.38	326.88	90.00	-572.59	-12,892.85	988.69	336.55	652.14	1.516		
18,200.00	6,840.00	18,057.86	6,840.00	329.07	329.58	90.00	-572.12	-12,992.85	988.68	331.13	657.55	1.504		
18,300.00	6,840.00	18,157.86	6,840.00	331.77	332.29	90.00	-571.65	-13,092.85	988.66	325.71	662.95	1.491 Level 3		
18,400.00	6,840.00	18,257.86	6,840.00	334.46	334.99	90.00	-571.17	-13,192.85	988.65	320.29	668.36	1.479 Level 3		
18,500.00	6,840.00	18,357.86	6,840.00	337.16	337.69	90.00	-570.70	-13,292.84	988.64	314.86	673.77	1.467 Level 3		
18,600.00	6,840.00	18,457.86	6,840.00	339.85	340.40	90.00	-570.23	-13,392.84	988.62	309.44	679.18	1.456 Level 3		
18,700.00	6,840.00	18,557.86	6,840.00	342.55	343.10	90.00	-569.76	-13,492.84	988.61	304.02	684.59	1.444 Level 3		
18,800.00	6,840.00	18,657.86	6,840.00	345.25	345.81	90.00	-569.29	-13,592.84	988.59	298.59	690.00	1.433 Level 3		
18,900.00	6,840.00	18,757.86	6,840.00	347.94	348.51	90.00	-568.82	-13,692.84	988.58	293.17	695.41	1.422 Level 3		
19,000.00	6,840.00	18,857.86	6,840.00	350.64	351.21	90.00	-568.34	-13,792.84	988.56	287.74	700.82	1.411 Level 3		
19,100.00	6,840.00	18,957.86	6,840.00	353.34	353.92	90.00	-567.87	-13,892.84	988.55	282.32	706.23	1.400 Level 3		
19,200.00	6,840.00	19,057.86	6,840.00	356.04	356.62	90.00	-567.40	-13,992.84	988.54	276.89	711.65	1.389 Level 3		
19,300.00	6,840.00	19,157.86	6,840.00	358.74	359.33	90.00	-566.93	-14,092.84	988.52	271.46	717.06	1.379 Level 3		
19,400.00	6,840.00	19,257.86	6,840.00	361.44	362.04	90.00	-566.46	-14,192.83	988.51	266.04	722.47	1.368 Level 3		
19,500.00	6,840.00	19,357.86	6,840.00	364.13	364.74	90.00	-565.99	-14,292.83	988.49	260.61	727.89	1.358 Level 3		
19,600.00	6,840.00	19,457.86	6,840.00	366.83	367.45	90.00	-565.51	-14,392.83	988.48	255.18	733.30	1.348 Level 3		
19,700.00	6,840.00	19,557.86	6,840.00	369.53	370.15	90.00	-565.04	-14,492.83	988.46	249.75	738.71	1.338 Level 3		
19,800.00	6,840.00	19,657.86	6,840.00	372.23	372.86	90.00	-564.57	-14,592.83	988.45	244.32	744.13	1.328 Level 3		
19,900.00	6,840.00	19,757.86	6,840.00	374.94	375.57	90.00	-564.10	-14,692.83	988.44	238.89	749.54	1.319 Level 3		
20,000.00	6,840.00	19,857.86	6,840.00	377.64	378.27	90.00	-563.63	-14,792.83	988.42	233.46	754.96	1.309 Level 3		
20,100.00	6,840.00	19,957.86	6,840.00	380.34	380.98	90.00	-563.16	-14,892.83	988.41	228.03	760.37	1.300 Level 3		
20,200.00	6,840.00	20,057.86	6,840.00	383.04	383.69	90.00	-562.68	-14,992.83	988.39	222.60	765.79	1.291 Level 3		
20,300.00	6,840.00	20,157.86	6,840.00	385.74	386.40	90.00	-562.21	-15,092.82	988.38	217.17	771.21	1.282 Level 3		
20,400.00	6,840.00	20,257.86	6,840.00	388.44	389.10	90.00	-561.74	-15,192.82	988.36	211.74	776.62	1.273 Level 3		
20,500.00	6,840.00	20,357.86	6,840.00	391.14	391.81	90.00	-561.27	-15,292.82	988.35	206.31	782.04	1.264 Level 3		
20,552.28	6,840.00	20,410.13	6,840.00	392.56	393.23	90.00	-561.02	-15,345.10	988.34	203.47	784.87	1.259 Level 3, SF		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-13 - 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	0.00	44.81	0.00	44.81					
100.00	100.00	100.00	100.00	0.13	0.13	0.00	44.81	0.00	44.81	44.54	0.27	166.668		
200.00	200.00	200.00	200.00	0.49	0.49	0.00	44.81	0.00	44.81	43.82	0.99	45.455		
300.00	300.00	300.00	300.00	0.85	0.85	0.00	44.81	0.00	44.81	43.11	1.70	26.316 CC		
400.00	399.98	400.02	399.98	1.20	1.21	129.75	44.81	0.00	45.91	43.50	2.41	19.064		
500.00	499.84	499.84	499.84	1.55	1.57	134.37	44.81	0.00	49.42	46.30	3.11	15.874		
600.00	599.45	600.63	600.61	1.91	1.92	139.31	44.04	-1.59	54.79	50.98	3.82	14.349		
700.00	698.70	701.66	701.50	2.29	2.27	142.81	41.72	-6.39	60.99	56.46	4.53	13.469		
800.00	797.47	802.91	802.35	2.70	2.63	145.13	37.85	-14.41	67.83	62.58	5.26	12.907		
900.00	895.62	904.38	903.04	3.14	3.01	146.55	32.41	-25.65	75.20	69.19	6.00	12.526		
1,000.00	993.06	1,006.05	1,003.42	3.62	3.41	147.26	25.41	-40.14	83.02	76.24	6.78	12.248		
1,100.00	1,089.64	1,107.92	1,103.36	4.14	3.85	147.45	16.85	-57.86	91.26	83.67	7.58	12.031		
1,200.00	1,185.27	1,209.97	1,202.73	4.70	4.32	147.23	6.72	-78.80	99.90	91.47	8.43	11.849		
1,300.00	1,279.82	1,312.20	1,301.37	5.31	4.84	146.69	-4.96	-102.97	108.94	99.60	9.34	11.668		
1,400.00	1,373.17	1,414.61	1,399.15	5.98	5.40	145.92	-18.19	-130.34	118.37	108.07	10.30	11.489		
1,500.00	1,465.22	1,517.17	1,495.93	6.70	6.02	144.98	-32.95	-160.88	128.20	116.86	11.35	11.299		
1,600.00	1,556.72	1,618.72	1,590.60	7.45	6.68	143.59	-48.94	-193.97	136.96	124.48	12.49	10.968		
1,700.00	1,648.21	1,718.31	1,683.18	8.21	7.36	142.18	-64.91	-227.00	145.34	131.65	13.69	10.613		
1,800.00	1,739.71	1,817.90	1,775.77	8.99	8.06	140.93	-80.87	-260.03	153.80	138.86	14.94	10.296		
1,900.00	1,831.20	1,917.49	1,868.35	9.77	8.76	139.80	-96.84	-293.06	162.32	146.11	16.21	10.011		
2,000.00	1,922.69	2,017.08	1,960.94	10.56	9.48	138.79	-112.80	-326.09	170.90	153.38	17.51	9.758		
2,100.00	2,014.19	2,116.67	2,053.53	11.35	10.20	137.88	-128.77	-359.12	179.52	160.69	18.84	9.531		
2,200.00	2,105.68	2,216.25	2,146.11	12.14	10.93	137.05	-144.73	-392.15	188.19	168.02	20.18	9.327		
2,300.00	2,197.18	2,315.84	2,238.70	12.94	11.66	136.29	-160.70	-425.18	196.89	175.36	21.53	9.145		
2,400.00	2,288.67	2,415.43	2,331.28	13.74	12.39	135.60	-176.66	-458.21	205.63	182.73	22.90	8.980		
2,500.00	2,380.17	2,515.02	2,423.87	14.54	13.13	134.97	-192.62	-491.24	214.39	190.11	24.28	8.831		
2,600.00	2,471.66	2,614.61	2,516.45	15.35	13.88	134.38	-208.59	-524.27	223.18	197.51	25.66	8.696		
2,700.00	2,563.16	2,714.20	2,609.04	16.15	14.62	133.84	-224.55	-557.30	231.98	204.92	27.06	8.573		
2,800.00	2,654.65	2,813.78	2,701.62	16.96	15.37	133.34	-240.52	-590.33	240.81	212.35	28.46	8.461		
2,900.00	2,746.15	2,913.37	2,794.21	17.76	16.11	132.87	-256.48	-623.36	249.65	219.78	29.87	8.358		
3,000.00	2,837.64	3,012.96	2,886.79	18.57	16.86	132.44	-272.45	-656.39	258.51	227.22	31.29	8.263		
3,100.00	2,929.14	3,112.55	2,979.38	19.38	17.61	132.03	-288.41	-689.42	267.38	234.68	32.70	8.176		
3,200.00	3,020.63	3,212.14	3,071.96	20.19	18.36	131.65	-304.38	-722.45	276.27	242.14	34.13	8.095		
3,300.00	3,112.13	3,311.73	3,164.55	21.00	19.12	131.29	-320.34	-755.48	285.16	249.61	35.55	8.021		
3,400.00	3,203.62	3,411.31	3,257.13	21.81	19.87	130.96	-336.31	-788.51	294.07	257.08	36.98	7.951		
3,500.00	3,295.12	3,510.90	3,349.72	22.63	20.62	130.64	-352.27	-821.54	302.98	264.57	38.42	7.887		
3,600.00	3,386.61	3,610.49	3,442.30	23.44	21.38	130.35	-368.23	-854.57	311.91	272.06	39.85	7.827		
3,700.00	3,478.10	3,710.08	3,534.89	24.25	22.13	130.07	-384.20	-887.60	320.84	279.55	41.29	7.771		
3,800.00	3,569.60	3,809.67	3,627.47	25.06	22.89	129.80	-400.16	-920.63	329.78	287.05	42.73	7.718		
3,900.00	3,661.09	3,909.26	3,720.06	25.88	23.64	129.55	-416.13	-953.66	338.72	294.55	44.17	7.669		
4,000.00	3,752.59	4,008.84	3,812.64	26.69	24.40	129.31	-432.09	-986.69	347.67	302.06	45.61	7.622		
4,100.00	3,844.08	4,108.43	3,905.23	27.50	25.16	129.09	-448.06	-1,019.72	356.63	309.57	47.06	7.578		
4,200.00	3,935.58	4,208.02	3,997.81	28.32	25.92	128.87	-464.02	-1,052.75	365.59	317.09	48.51	7.537		
4,300.00	4,027.07	4,307.61	4,090.40	29.13	26.67	128.67	-479.99	-1,085.77	374.56	324.61	49.95	7.498		
4,400.00	4,118.57	4,407.20	4,182.98	29.95	27.43	128.47	-495.95	-1,118.80	383.53	332.13	51.40	7.461		
4,500.00	4,210.06	4,506.79	4,275.57	30.76	28.19	128.29	-511.92	-1,151.83	392.51	339.66	52.85	7.426		
4,600.00	4,301.56	4,606.37	4,368.15	31.58	28.95	128.11	-527.88	-1,184.86	401.49	347.19	54.31	7.393		
4,700.00	4,393.05	4,705.96	4,460.74	32.39	29.71	127.94	-543.84	-1,217.89	410.47	354.72	55.76	7.362		
4,800.00	4,484.55	4,805.55	4,553.33	33.21	30.47	127.77	-559.81	-1,250.92	419.46	362.25	57.21	7.332		
4,900.00	4,576.04	4,905.14	4,645.91	34.02	31.23	127.62	-575.77	-1,283.95	428.45	369.79	58.67	7.303		
5,000.00	4,667.54	5,004.73	4,738.50	34.84	31.99	127.47	-591.74	-1,316.98	437.45	377.33	60.12	7.276		
5,100.00	4,759.03	5,104.32	4,831.08	35.65	32.75	127.33	-607.70	-1,350.01	446.44	384.87	61.58	7.250		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-13 - 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	4,850.53	5,203.91	4,923.67	36.47	33.51	127.19	-623.67	-1,383.04	455.44	392.41	63.03	7.225		
5,300.00	4,942.02	5,303.49	5,016.25	37.28	34.27	127.06	-639.63	-1,416.07	464.44	399.95	64.49	7.202		
5,400.00	5,033.51	5,403.08	5,108.84	38.10	35.03	126.93	-655.60	-1,449.10	473.45	407.50	65.95	7.179		
5,500.00	5,125.01	5,502.67	5,201.42	38.92	35.79	126.80	-671.56	-1,482.13	482.45	415.05	67.41	7.157		
5,600.00	5,216.50	5,602.26	5,294.01	39.73	36.55	126.69	-687.53	-1,515.16	491.46	422.60	68.86	7.137		
5,700.00	5,308.00	5,701.85	5,386.59	40.55	37.31	126.57	-703.49	-1,548.19	500.47	430.15	70.32	7.117		
5,800.00	5,399.49	5,801.44	5,479.18	41.36	38.07	126.46	-719.45	-1,581.22	509.48	437.70	71.78	7.098		
5,900.00	5,490.99	5,901.02	5,571.76	42.18	38.83	126.36	-735.42	-1,614.25	518.50	445.26	73.24	7.079		
6,000.00	5,582.48	6,000.61	5,664.35	43.00	39.59	126.25	-751.38	-1,647.28	527.51	452.81	74.70	7.061		
6,100.00	5,673.98	6,100.20	5,756.93	43.81	40.35	126.15	-767.35	-1,680.31	536.53	460.37	76.16	7.044		
6,200.00	5,765.47	6,200.21	5,849.52	44.63	41.12	126.06	-783.31	-1,713.34	545.55	467.92	77.63	7.028		
6,300.00	5,856.97	6,300.62	5,942.10	45.45	41.88	125.97	-799.28	-1,746.37	554.57	475.47	79.10	7.011		
6,400.00	5,948.46	6,398.97	6,034.69	46.26	42.64	125.88	-815.24	-1,779.40	563.59	483.04	80.55	6.997		
6,500.00	6,039.96	6,501.45	6,127.27	47.08	43.42	125.79	-831.21	-1,812.43	572.61	490.58	82.03	6.980		
6,600.00	6,131.45	6,601.86	6,219.86	47.90	44.19	125.71	-847.17	-1,845.46	581.64	498.14	83.50	6.966		
6,700.00	6,222.95	6,702.27	6,312.44	48.71	44.96	125.62	-863.13	-1,878.49	590.66	505.70	84.97	6.952		
6,800.00	6,314.44	6,802.68	6,405.03	49.53	45.72	125.54	-879.10	-1,911.52	599.69	513.25	86.44	6.938		
6,900.00	6,405.93	6,894.47	6,494.97	50.35	46.44	125.37	-894.60	-1,944.77	608.79	520.89	87.90	6.926		
7,000.00	6,497.01	6,985.71	6,574.66	51.18	47.34	118.78	-908.28	-1,986.83	618.77	528.74	90.02	6.873		
7,100.00	6,582.62	7,074.53	6,644.98	52.20	48.41	107.90	-920.27	-2,039.60	628.66	536.21	92.44	6.800		
7,200.00	6,659.25	7,161.68	6,705.38	53.42	49.64	101.01	-930.49	-2,101.47	637.74	542.75	94.99	6.713		
7,300.00	6,724.59	7,247.52	6,755.17	54.84	51.01	96.39	-938.83	-2,170.79	645.63	547.99	97.64	6.612		
7,400.00	6,776.64	7,332.35	6,793.83	56.40	52.49	93.28	-945.21	-2,245.95	651.99	551.64	100.36	6.497		
7,500.00	6,813.82	7,416.48	6,820.96	58.08	54.05	91.29	-949.55	-2,325.39	656.56	553.46	103.10	6.368		
7,600.00	6,835.01	7,500.18	6,836.31	59.82	55.65	90.23	-951.83	-2,407.56	659.16	553.30	105.87	6.226		
7,700.00	6,840.00	7,587.25	6,840.00	61.57	57.34	90.00	-952.06	-2,494.49	659.75	550.84	108.91	6.058		
7,800.00	6,840.00	7,687.25	6,840.00	63.35	59.31	90.00	-951.58	-2,594.48	659.74	546.68	113.06	5.835		
7,900.00	6,840.00	7,787.25	6,840.00	65.20	61.34	90.00	-951.10	-2,694.48	659.74	542.42	117.31	5.624		
8,000.00	6,840.00	7,887.25	6,840.00	67.10	63.42	90.00	-950.63	-2,794.48	659.73	538.07	121.66	5.423		
8,100.00	6,840.00	7,987.25	6,840.00	69.05	65.55	90.00	-950.15	-2,894.48	659.72	533.63	126.09	5.232		
8,200.00	6,840.00	8,087.25	6,840.00	71.06	67.72	90.00	-949.67	-2,994.48	659.71	529.11	130.60	5.051		
8,300.00	6,840.00	8,187.25	6,840.00	73.11	69.92	90.00	-949.20	-3,094.48	659.70	524.52	135.18	4.880		
8,400.00	6,840.00	8,287.25	6,840.00	75.21	72.17	90.00	-948.72	-3,194.48	659.69	519.88	139.82	4.718		
8,500.00	6,840.00	8,387.25	6,840.00	77.34	74.44	90.00	-948.24	-3,294.48	659.68	515.17	144.51	4.565		
8,600.00	6,840.00	8,487.25	6,840.00	79.51	76.75	90.00	-947.76	-3,394.48	659.68	510.42	149.26	4.420		
8,700.00	6,840.00	8,587.25	6,840.00	81.72	79.08	90.00	-947.29	-3,494.47	659.67	505.62	154.05	4.282		
8,800.00	6,840.00	8,687.25	6,840.00	83.95	81.44	90.00	-946.81	-3,594.47	659.66	500.78	158.88	4.152		
8,900.00	6,840.00	8,787.25	6,840.00	86.22	83.81	90.00	-946.33	-3,694.47	659.65	495.90	163.75	4.028		
9,000.00	6,840.00	8,887.25	6,840.00	88.51	86.21	90.00	-945.85	-3,794.47	659.64	490.98	168.66	3.911		
9,100.00	6,840.00	8,987.25	6,840.00	90.83	88.63	90.00	-945.38	-3,894.47	659.63	486.04	173.60	3.800		
9,200.00	6,840.00	9,087.25	6,840.00	93.16	91.07	90.00	-944.90	-3,994.47	659.62	481.06	178.56	3.694		
9,300.00	6,840.00	9,187.25	6,840.00	95.52	93.52	90.00	-944.42	-4,094.47	659.62	476.06	183.56	3.594		
9,400.00	6,840.00	9,287.25	6,840.00	97.90	95.99	90.00	-943.94	-4,194.47	659.61	471.03	188.58	3.498		
9,500.00	6,840.00	9,387.25	6,840.00	100.30	98.47	90.00	-943.47	-4,294.47	659.60	465.98	193.62	3.407		
9,600.00	6,840.00	9,487.25	6,840.00	102.72	100.96	90.00	-942.99	-4,394.46	659.59	460.91	198.68	3.320		
9,700.00	6,840.00	9,587.25	6,840.00	105.15	103.47	90.00	-942.51	-4,494.46	659.58	455.82	203.76	3.237		
9,800.00	6,840.00	9,687.25	6,840.00	107.59	105.98	90.00	-942.04	-4,594.46	659.57	450.71	208.86	3.158		
9,900.00	6,840.00	9,787.25	6,840.00	110.05	108.51	90.00	-941.56	-4,694.46	659.56	445.59	213.98	3.082		
10,000.00	6,840.00	9,887.25	6,840.00	112.52	111.04	90.00	-941.08	-4,794.46	659.56	440.45	219.11	3.010		
10,100.00	6,840.00	9,987.25	6,840.00	115.00	113.59	90.00	-940.60	-4,894.46	659.55	435.29	224.25	2.941		
10,200.00	6,840.00	10,087.25	6,840.00	117.50	116.14	90.00	-940.13	-4,994.46	659.54	430.12	229.41	2.875		
10,300.00	6,840.00	10,187.25	6,840.00	120.00	118.70	90.00	-939.65	-5,094.46	659.53	424.94	234.59	2.811		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-13 - 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		
10,400.00	6,840.00	10,287.25	6,840.00	122.51	121.27	90.00	-939.17	-5,194.45	659.52	419.75	239.77	2.751		
10,500.00	6,840.00	10,387.25	6,840.00	125.04	123.84	90.00	-938.69	-5,294.45	659.51	414.55	244.97	2.692		
10,600.00	6,840.00	10,487.25	6,840.00	127.57	126.42	90.00	-938.22	-5,394.45	659.50	409.33	250.17	2.636		
10,700.00	6,840.00	10,587.25	6,840.00	130.11	129.01	90.00	-937.74	-5,494.45	659.50	404.11	255.39	2.582		
10,800.00	6,840.00	10,687.25	6,840.00	132.66	131.60	90.00	-937.26	-5,594.45	659.49	398.87	260.61	2.531		
10,900.00	6,840.00	10,787.25	6,840.00	135.21	134.19	90.00	-936.78	-5,694.45	659.48	393.63	265.85	2.481		
11,000.00	6,840.00	10,887.25	6,840.00	137.77	136.80	90.00	-936.31	-5,794.45	659.47	388.38	271.09	2.433		
11,100.00	6,840.00	10,987.25	6,840.00	140.34	139.40	90.00	-935.83	-5,894.45	659.46	383.12	276.34	2.386		
11,200.00	6,840.00	11,087.25	6,840.00	142.91	142.01	90.00	-935.35	-5,994.45	659.45	377.86	281.59	2.342		
11,300.00	6,840.00	11,187.25	6,840.00	145.49	144.63	90.00	-934.87	-6,094.44	659.44	372.59	286.86	2.299		
11,400.00	6,840.00	11,287.25	6,840.00	148.07	147.25	90.00	-934.40	-6,194.44	659.44	367.31	292.13	2.257		
11,500.00	6,840.00	11,387.25	6,840.00	150.66	149.87	90.00	-933.92	-6,294.44	659.43	362.02	297.40	2.217		
11,600.00	6,840.00	11,487.25	6,840.00	153.25	152.49	90.00	-933.44	-6,394.44	659.42	356.73	302.69	2.179		
11,700.00	6,840.00	11,587.25	6,840.00	155.85	155.12	90.00	-932.97	-6,494.44	659.41	351.44	307.97	2.141		
11,800.00	6,840.00	11,687.25	6,840.00	158.45	157.75	90.00	-932.49	-6,594.44	659.40	346.14	313.26	2.105		
11,900.00	6,840.00	11,787.25	6,840.00	161.06	160.39	90.00	-932.01	-6,694.44	659.39	340.83	318.56	2.070		
12,000.00	6,840.00	11,887.25	6,840.00	163.67	163.03	90.00	-931.53	-6,794.44	659.38	335.52	323.86	2.036		
12,100.00	6,840.00	11,987.25	6,840.00	166.28	165.67	90.00	-931.06	-6,894.44	659.38	330.21	329.17	2.003		
12,200.00	6,840.00	12,087.25	6,840.00	168.90	168.31	90.00	-930.58	-6,994.43	659.37	324.89	334.48	1.971		
12,300.00	6,840.00	12,187.25	6,840.00	171.52	170.96	90.00	-930.10	-7,094.43	659.36	319.56	339.80	1.940		
12,400.00	6,840.00	12,287.25	6,840.00	174.15	173.61	90.00	-929.62	-7,194.43	659.35	314.24	345.12	1.911		
12,500.00	6,840.00	12,387.25	6,840.00	176.77	176.26	90.00	-929.15	-7,294.43	659.34	308.90	350.44	1.881		
12,600.00	6,840.00	12,487.25	6,840.00	179.40	178.91	90.00	-928.67	-7,394.43	659.33	303.57	355.76	1.853		
12,700.00	6,840.00	12,587.25	6,840.00	182.04	181.56	90.00	-928.19	-7,494.43	659.32	298.23	361.09	1.826		
12,800.00	6,840.00	12,687.25	6,840.00	184.67	184.22	90.00	-927.71	-7,594.43	659.32	292.89	366.43	1.799		
12,900.00	6,840.00	12,787.25	6,840.00	187.31	186.88	90.00	-927.24	-7,694.43	659.31	287.55	371.76	1.773		
13,000.00	6,840.00	12,887.25	6,840.00	189.95	189.54	90.00	-926.76	-7,794.43	659.30	282.20	377.10	1.748		
13,100.00	6,840.00	12,987.25	6,840.00	192.59	192.20	90.00	-926.28	-7,894.42	659.29	276.85	382.44	1.724		
13,200.00	6,840.00	13,087.25	6,840.00	195.24	194.86	90.00	-925.81	-7,994.42	659.28	271.50	387.79	1.700		
13,300.00	6,840.00	13,187.25	6,840.00	197.88	197.53	90.00	-925.33	-8,094.42	659.27	266.14	393.13	1.677		
13,400.00	6,840.00	13,287.25	6,840.00	200.53	200.19	90.00	-924.85	-8,194.42	659.26	260.78	398.48	1.654		
13,500.00	6,840.00	13,387.25	6,840.00	203.18	202.86	90.00	-924.37	-8,294.42	659.26	255.42	403.84	1.632		
13,600.00	6,840.00	13,487.25	6,840.00	205.83	205.53	90.00	-923.90	-8,394.42	659.25	250.06	409.19	1.611		
13,700.00	6,840.00	13,587.25	6,840.00	208.49	208.20	90.00	-923.42	-8,494.42	659.24	244.69	414.55	1.590		
13,800.00	6,840.00	13,687.25	6,840.00	211.14	210.87	90.00	-922.94	-8,594.42	659.23	239.33	419.90	1.570		
13,900.00	6,840.00	13,787.25	6,840.00	213.80	213.55	90.00	-922.46	-8,694.42	659.22	233.96	425.26	1.550		
14,000.00	6,840.00	13,887.25	6,840.00	216.46	216.22	90.00	-921.99	-8,794.41	659.21	228.59	430.63	1.531		
14,100.00	6,840.00	13,987.25	6,840.00	219.12	218.90	90.00	-921.51	-8,894.41	659.21	223.21	435.99	1.512		
14,200.00	6,840.00	14,087.25	6,840.00	221.78	221.57	90.00	-921.03	-8,994.41	659.20	217.84	441.36	1.494	Level 3	
14,300.00	6,840.00	14,187.25	6,840.00	224.45	224.25	90.00	-920.55	-9,094.41	659.19	212.46	446.73	1.476	Level 3	
14,400.00	6,840.00	14,287.25	6,840.00	227.11	226.93	90.00	-920.08	-9,194.41	659.18	207.08	452.10	1.458	Level 3	
14,500.00	6,840.00	14,387.25	6,840.00	229.78	229.61	90.00	-919.60	-9,294.41	659.17	201.70	457.47	1.441	Level 3	
14,600.00	6,840.00	14,487.25	6,840.00	232.45	232.29	90.00	-919.12	-9,394.41	659.16	196.32	462.84	1.424	Level 3	
14,700.00	6,840.00	14,587.25	6,840.00	235.12	234.97	90.00	-918.64	-9,494.41	659.15	190.94	468.22	1.408	Level 3	
14,800.00	6,840.00	14,687.25	6,840.00	237.79	237.65	90.00	-918.17	-9,594.40	659.15	185.55	473.59	1.392	Level 3	
14,900.00	6,840.00	14,787.25	6,840.00	240.46	240.34	90.00	-917.69	-9,694.40	659.14	180.17	478.97	1.376	Level 3	
15,000.00	6,840.00	14,887.25	6,840.00	243.13	243.02	90.00	-917.21	-9,794.40	659.13	174.78	484.35	1.361	Level 3	
15,100.00	6,840.00	14,987.25	6,840.00	245.80	245.71	90.00	-916.74	-9,894.40	659.12	169.39	489.73	1.346	Level 3	
15,200.00	6,840.00	15,087.25	6,840.00	248.48	248.39	90.00	-916.26	-9,994.40	659.11	164.00	495.11	1.331	Level 3	
15,300.00	6,840.00	15,187.25	6,840.00	251.15	251.08	90.00	-915.78	-10,094.40	659.10	158.61	500.49	1.317	Level 3	
15,400.00	6,840.00	15,287.25	6,840.00	253.83	253.77	90.00	-915.30	-10,194.40	659.09	153.22	505.88	1.303	Level 3	
15,500.00	6,840.00	15,387.25	6,840.00	256.51	256.45	90.00	-914.83	-10,294.40	659.09	147.82	511.26	1.289	Level 3	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-13 - 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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,600.00	6,840.00	15,487.25	6,840.00	259.19	259.14	90.00	-914.35	-10,394.40	659.08	142.43	516.65	1.276	Level 3	
15,700.00	6,840.00	15,587.25	6,840.00	261.87	261.83	90.00	-913.87	-10,494.39	659.07	137.03	522.04	1.262	Level 3	
15,800.00	6,840.00	15,687.25	6,840.00	264.55	264.52	90.00	-913.39	-10,594.39	659.06	131.64	527.42	1.250	Level 2	
15,900.00	6,840.00	15,787.25	6,840.00	267.23	267.21	90.00	-912.92	-10,694.39	659.05	126.24	532.81	1.237	Level 2	
16,000.00	6,840.00	15,887.25	6,840.00	269.91	269.90	90.00	-912.44	-10,794.39	659.04	120.84	538.20	1.225	Level 2	
16,100.00	6,840.00	15,987.25	6,840.00	272.59	272.59	90.00	-911.96	-10,894.39	659.03	115.44	543.60	1.212	Level 2	
16,200.00	6,840.00	16,087.25	6,840.00	275.28	275.29	90.00	-911.48	-10,994.39	659.03	110.04	548.99	1.200	Level 2	
16,300.00	6,840.00	16,187.25	6,840.00	277.96	277.98	90.00	-911.01	-11,094.39	659.02	104.63	554.38	1.189	Level 2	
16,400.00	6,840.00	16,287.25	6,840.00	280.64	280.67	90.00	-910.53	-11,194.39	659.01	99.23	559.78	1.177	Level 2	
16,500.00	6,840.00	16,387.25	6,840.00	283.33	283.37	90.00	-910.05	-11,294.39	659.00	93.83	565.17	1.166	Level 2	
16,600.00	6,840.00	16,487.25	6,840.00	286.02	286.06	90.00	-909.58	-11,394.38	658.99	88.42	570.57	1.155	Level 2	
16,700.00	6,840.00	16,587.25	6,840.00	288.70	288.76	90.00	-909.10	-11,494.38	658.98	83.02	575.96	1.144	Level 2	
16,800.00	6,840.00	16,687.25	6,840.00	291.39	291.45	90.00	-908.62	-11,594.38	658.97	77.61	581.36	1.133	Level 2	
16,900.00	6,840.00	16,787.25	6,840.00	294.08	294.15	90.00	-908.14	-11,694.38	658.97	72.20	586.76	1.123	Level 2	
17,000.00	6,840.00	16,887.25	6,840.00	296.77	296.84	90.00	-907.67	-11,794.38	658.96	66.80	592.16	1.113	Level 2	
17,100.00	6,840.00	16,987.25	6,840.00	299.46	299.54	90.00	-907.19	-11,894.38	658.95	61.39	597.56	1.103	Level 2	
17,200.00	6,840.00	17,087.25	6,840.00	302.14	302.24	90.00	-906.71	-11,994.38	658.94	55.98	602.96	1.093	Level 2	
17,300.00	6,840.00	17,187.25	6,840.00	304.84	304.93	90.00	-906.23	-12,094.38	658.93	50.57	608.36	1.083	Level 2	
17,400.00	6,840.00	17,287.25	6,840.00	307.53	307.63	90.00	-905.76	-12,194.38	658.92	45.16	613.76	1.074	Level 2	
17,500.00	6,840.00	17,387.25	6,840.00	310.22	310.33	90.00	-905.28	-12,294.37	658.91	39.75	619.17	1.064	Level 2	
17,600.00	6,840.00	17,487.25	6,840.00	312.91	313.03	90.00	-904.80	-12,394.37	658.91	34.34	624.57	1.055	Level 2	
17,700.00	6,840.00	17,587.25	6,840.00	315.60	315.73	90.00	-904.32	-12,494.37	658.90	28.92	629.97	1.046	Level 2	
17,800.00	6,840.00	17,687.25	6,840.00	318.29	318.43	90.00	-903.85	-12,594.37	658.89	23.51	635.38	1.037	Level 2	
17,900.00	6,840.00	17,787.25	6,840.00	320.99	321.13	90.00	-903.37	-12,694.37	658.88	18.10	640.78	1.028	Level 2	
18,000.00	6,840.00	17,887.25	6,840.00	323.68	323.83	90.00	-902.89	-12,794.37	658.87	12.68	646.19	1.020	Level 2	
18,100.00	6,840.00	17,987.25	6,840.00	326.38	326.53	90.00	-902.41	-12,894.37	658.86	7.27	651.60	1.011	Level 2	
18,200.00	6,840.00	18,087.25	6,840.00	329.07	329.23	90.00	-901.94	-12,994.37	658.85	1.85	657.00	1.003	Level 2	
18,300.00	6,840.00	18,187.25	6,840.00	331.77	331.93	90.00	-901.46	-13,094.36	658.85	-3.56	662.41	0.995	Level 1	
18,400.00	6,840.00	18,287.25	6,840.00	334.46	334.63	90.00	-900.98	-13,194.36	658.84	-8.98	667.82	0.987	Level 1	
18,500.00	6,840.00	18,387.25	6,840.00	337.16	337.33	90.00	-900.51	-13,294.36	658.83	-14.40	673.23	0.979	Level 1	
18,600.00	6,840.00	18,487.25	6,840.00	339.85	340.03	90.00	-900.03	-13,394.36	658.82	-19.82	678.64	0.971	Level 1	
18,700.00	6,840.00	18,587.25	6,840.00	342.55	342.73	90.00	-899.55	-13,494.36	658.81	-25.23	684.04	0.963	Level 1	
18,800.00	6,840.00	18,687.25	6,840.00	345.25	345.44	90.00	-899.07	-13,594.36	658.80	-30.65	689.45	0.956	Level 1	
18,900.00	6,840.00	18,787.25	6,840.00	347.94	348.14	90.00	-898.60	-13,694.36	658.79	-36.07	694.86	0.948	Level 1	
19,000.00	6,840.00	18,887.25	6,840.00	350.64	350.84	90.00	-898.12	-13,794.36	658.79	-41.49	700.28	0.941	Level 1	
19,100.00	6,840.00	18,987.25	6,840.00	353.34	353.55	90.00	-897.64	-13,894.36	658.78	-46.91	705.69	0.934	Level 1	
19,200.00	6,840.00	19,087.25	6,840.00	356.04	356.25	90.00	-897.16	-13,994.35	658.77	-52.33	711.10	0.926	Level 1	
19,300.00	6,840.00	19,187.25	6,840.00	358.74	358.95	90.00	-896.69	-14,094.35	658.76	-57.75	716.51	0.919	Level 1	
19,400.00	6,840.00	19,287.25	6,840.00	361.44	361.66	90.00	-896.21	-14,194.35	658.75	-63.17	721.92	0.912	Level 1	
19,500.00	6,840.00	19,387.25	6,840.00	364.13	364.36	90.00	-895.73	-14,294.35	658.74	-68.59	727.34	0.906	Level 1	
19,600.00	6,840.00	19,487.25	6,840.00	366.83	367.07	90.00	-895.25	-14,394.35	658.73	-74.02	732.75	0.899	Level 1	
19,700.00	6,840.00	19,587.25	6,840.00	369.53	369.77	90.00	-894.78	-14,494.35	658.73	-79.44	738.16	0.892	Level 1	
19,800.00	6,840.00	19,687.25	6,840.00	372.23	372.47	90.00	-894.30	-14,594.35	658.72	-84.86	743.58	0.886	Level 1	
19,900.00	6,840.00	19,787.25	6,840.00	374.94	375.18	90.00	-893.82	-14,694.35	658.71	-90.28	748.99	0.879	Level 1	
20,000.00	6,840.00	19,887.25	6,840.00	377.64	377.89	90.00	-893.35	-14,794.35	658.70	-95.71	754.41	0.873	Level 1	
20,100.00	6,840.00	19,987.25	6,840.00	380.34	380.59	90.00	-892.87	-14,894.34	658.69	-101.13	759.82	0.867	Level 1	
20,200.00	6,840.00	20,087.25	6,840.00	383.04	383.30	90.00	-892.39	-14,994.34	658.68	-106.55	765.24	0.861	Level 1	
20,300.00	6,840.00	20,187.25	6,840.00	385.74	386.00	90.00	-891.91	-15,094.34	658.67	-111.98	770.65	0.855	Level 1	
20,400.00	6,840.00	20,287.25	6,840.00	388.44	388.71	90.00	-891.44	-15,194.34	658.67	-117.40	776.07	0.849	Level 1	
20,500.00	6,840.00	20,387.25	6,840.00	391.14	391.42	90.00	-890.96	-15,294.34	658.66	-122.83	781.49	0.843	Level 1	
20,552.28	6,840.00	20,439.52	6,840.00	392.56	392.83	90.00	-890.71	-15,346.61	658.65	-125.66	784.32	0.840	Level 1, ES, SF	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-14 - 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	0.00	22.95	0.00	22.95					
100.00	100.00	100.00	100.00	0.13	0.13	0.00	22.95	0.00	22.95	22.68	0.27	85.367		
200.00	200.00	200.00	200.00	0.49	0.49	0.00	22.95	0.00	22.95	21.97	0.99	23.282		
300.00	300.00	300.00	300.00	0.85	0.85	0.00	22.95	0.00	22.95	21.25	1.70	13.479 CC		
400.00	399.98	399.98	399.98	1.20	1.21	131.31	22.95	0.00	24.07	21.66	2.41	9.995		
500.00	499.84	500.47	500.45	1.55	1.56	136.70	22.01	-1.49	26.62	23.52	3.10	8.584		
600.00	599.45	601.08	600.92	1.91	1.91	140.59	19.18	-5.96	29.59	25.79	3.80	7.786		
700.00	698.70	701.81	701.25	2.29	2.27	143.25	14.46	-13.42	32.87	28.35	4.52	7.277		
800.00	797.47	802.66	801.33	2.70	2.65	144.96	7.84	-23.87	36.40	31.15	5.25	6.931		
900.00	895.62	903.62	901.03	3.14	3.06	145.93	-0.66	-37.31	40.14	34.13	6.01	6.680		
1,000.00	993.06	1,004.69	1,000.20	3.62	3.49	146.33	-11.06	-53.72	44.06	37.27	6.79	6.485		
1,100.00	1,089.64	1,105.86	1,098.74	4.14	3.97	146.30	-23.33	-73.10	48.15	40.54	7.61	6.324		
1,200.00	1,185.27	1,207.15	1,196.51	4.70	4.49	145.94	-37.46	-95.44	52.42	43.94	8.48	6.182		
1,300.00	1,279.82	1,308.53	1,293.38	5.31	5.05	145.33	-53.46	-120.71	56.84	47.45	9.40	6.049		
1,400.00	1,373.17	1,410.02	1,389.22	5.98	5.67	144.52	-71.30	-148.89	61.44	51.06	10.39	5.915		
1,500.00	1,465.22	1,511.60	1,483.91	6.70	6.34	143.55	-90.96	-179.95	66.20	54.75	11.45	5.781		
1,600.00	1,556.72	1,611.82	1,576.46	7.45	7.05	142.17	-111.54	-212.45	70.36	57.73	12.63	5.572		
1,700.00	1,648.21	1,711.72	1,668.69	8.21	7.77	140.91	-132.08	-244.90	74.51	60.66	13.85	5.379		
1,800.00	1,739.71	1,811.63	1,760.91	8.99	8.50	139.78	-152.62	-277.35	78.70	63.59	15.11	5.208		
1,900.00	1,831.20	1,911.53	1,853.14	9.77	9.25	138.77	-173.16	-309.79	82.91	66.51	16.40	5.056		
2,000.00	1,922.69	2,011.43	1,945.36	10.56	10.00	137.85	-193.70	-342.24	87.14	69.43	17.71	4.921		
2,100.00	2,014.19	2,111.33	2,037.59	11.35	10.75	137.03	-214.24	-374.69	91.40	72.36	19.04	4.800		
2,200.00	2,105.68	2,211.23	2,129.81	12.14	11.51	136.27	-234.78	-407.14	95.67	75.29	20.39	4.693		
2,300.00	2,197.18	2,311.13	2,222.04	12.94	12.28	135.58	-255.32	-439.59	99.96	78.21	21.75	4.597		
2,400.00	2,288.67	2,411.03	2,314.26	13.74	13.04	134.95	-275.86	-472.03	104.26	81.14	23.12	4.510		
2,500.00	2,380.17	2,510.93	2,406.49	14.54	13.81	134.36	-296.40	-504.48	108.57	84.07	24.50	4.431		
2,600.00	2,471.66	2,610.83	2,498.71	15.35	14.59	133.82	-316.94	-536.93	112.90	87.00	25.89	4.360		
2,700.00	2,563.16	2,710.74	2,590.94	16.15	15.36	133.33	-337.48	-569.38	117.23	89.94	27.29	4.295		
2,800.00	2,654.65	2,810.64	2,683.16	16.96	16.13	132.86	-358.02	-601.82	121.57	92.87	28.70	4.236		
2,900.00	2,746.15	2,910.54	2,775.39	17.76	16.91	132.43	-378.56	-634.27	125.92	95.81	30.11	4.182		
3,000.00	2,837.64	3,010.44	2,867.61	18.57	17.69	132.03	-399.10	-666.72	130.27	98.75	31.53	4.132		
3,100.00	2,929.14	3,110.34	2,959.84	19.38	18.47	131.65	-419.64	-699.17	134.64	101.69	32.95	4.086		
3,200.00	3,020.63	3,210.24	3,052.06	20.19	19.24	131.30	-440.18	-731.62	139.00	104.63	34.37	4.044		
3,300.00	3,112.13	3,310.14	3,144.29	21.00	20.02	130.97	-460.72	-764.06	143.37	107.57	35.80	4.005		
3,400.00	3,203.62	3,410.04	3,236.51	21.81	20.81	130.66	-481.26	-796.51	147.75	110.51	37.24	3.968		
3,500.00	3,295.12	3,509.94	3,328.74	22.63	21.59	130.36	-501.80	-828.96	152.13	113.46	38.67	3.934		
3,600.00	3,386.61	3,609.85	3,420.96	23.44	22.37	130.09	-522.34	-861.41	156.51	116.40	40.11	3.902		
3,700.00	3,478.10	3,709.75	3,513.19	24.25	23.15	129.82	-542.88	-893.85	160.90	119.35	41.55	3.873		
3,800.00	3,569.60	3,809.65	3,605.41	25.06	23.93	129.58	-563.42	-926.30	165.29	122.30	42.99	3.845		
3,900.00	3,661.09	3,909.55	3,697.64	25.88	24.72	129.34	-583.96	-958.75	169.68	125.25	44.44	3.819		
4,000.00	3,752.59	4,009.45	3,789.87	26.69	25.50	129.12	-604.50	-991.20	174.08	128.20	45.88	3.794		
4,100.00	3,844.08	4,109.35	3,882.09	27.50	26.28	128.90	-625.04	-1,023.64	178.48	131.15	47.33	3.771		
4,200.00	3,935.58	4,209.25	3,974.32	28.32	27.07	128.70	-645.58	-1,056.09	182.88	134.10	48.78	3.749		
4,300.00	4,027.07	4,309.15	4,066.54	29.13	27.85	128.51	-666.12	-1,088.54	187.28	137.05	50.23	3.729		
4,400.00	4,118.57	4,409.05	4,158.77	29.95	28.64	128.32	-686.66	-1,120.99	191.69	140.01	51.68	3.709		
4,500.00	4,210.06	4,508.96	4,250.99	30.76	29.42	128.15	-707.20	-1,153.44	196.09	142.96	53.13	3.691		
4,600.00	4,301.56	4,608.86	4,343.22	31.58	30.21	127.98	-727.74	-1,185.88	200.50	145.91	54.59	3.673		
4,700.00	4,393.05	4,708.76	4,435.44	32.39	30.99	127.82	-748.28	-1,218.33	204.91	148.87	56.04	3.656		
4,800.00	4,484.55	4,808.66	4,527.67	33.21	31.78	127.67	-768.82	-1,250.78	209.32	151.83	57.50	3.641		
4,900.00	4,576.04	4,908.56	4,619.89	34.02	32.56	127.52	-789.36	-1,283.23	213.74	154.78	58.96	3.625		
5,000.00	4,667.54	5,008.46	4,712.12	34.84	33.35	127.38	-809.90	-1,315.67	218.15	157.74	60.41	3.611		
5,100.00	4,759.03	5,108.36	4,804.34	35.65	34.14	127.24	-830.44	-1,348.12	222.57	160.70	61.87	3.597		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-14 - 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	4,850.53	5,208.26	4,896.57	36.47	34.92	127.11	-850.98	-1,380.57	226.99	163.65	63.33	3.584		
5,300.00	4,942.02	5,308.16	4,988.79	37.28	35.71	126.98	-871.52	-1,413.02	231.40	166.61	64.79	3.572		
5,400.00	5,033.51	5,408.06	5,081.02	38.10	36.49	126.86	-892.06	-1,445.46	235.82	169.57	66.25	3.560		
5,500.00	5,125.01	5,507.97	5,173.24	38.92	37.28	126.75	-912.60	-1,477.91	240.24	172.53	67.71	3.548		
5,600.00	5,216.50	5,607.87	5,265.47	39.73	38.07	126.63	-933.14	-1,510.36	244.66	175.49	69.17	3.537		
5,700.00	5,308.00	5,707.77	5,357.69	40.55	38.85	126.53	-953.68	-1,542.81	249.09	178.45	70.63	3.526		
5,800.00	5,399.49	5,807.67	5,449.92	41.36	39.64	126.42	-974.22	-1,575.26	253.51	181.41	72.10	3.516		
5,900.00	5,490.99	5,907.57	5,542.14	42.18	40.43	126.32	-994.76	-1,607.70	257.93	184.37	73.56	3.506		
6,000.00	5,582.48	6,007.47	5,634.37	43.00	41.21	126.22	-1,015.30	-1,640.15	262.36	187.34	75.02	3.497		
6,100.00	5,673.98	6,107.37	5,726.59	43.81	42.00	126.13	-1,035.84	-1,672.60	266.78	190.30	76.49	3.488		
6,200.00	5,765.47	6,207.27	5,818.82	44.63	42.79	126.04	-1,056.38	-1,705.05	271.21	193.26	77.95	3.479		
6,300.00	5,856.97	6,307.17	5,911.04	45.45	43.58	125.95	-1,076.92	-1,737.49	275.64	196.22	79.41	3.471		
6,400.00	5,948.46	6,407.08	6,003.27	46.26	44.36	125.86	-1,097.46	-1,769.94	280.06	199.18	80.88	3.463		
6,500.00	6,039.96	6,506.98	6,095.49	47.08	45.15	125.78	-1,118.00	-1,802.39	284.49	202.15	82.34	3.455		
6,600.00	6,131.45	6,606.88	6,187.72	47.90	45.94	125.70	-1,138.54	-1,834.84	288.92	205.11	83.81	3.447		
6,700.00	6,222.95	6,706.78	6,279.94	48.71	46.73	125.62	-1,159.08	-1,867.29	293.35	208.07	85.28	3.440		
6,800.00	6,314.44	6,806.68	6,372.17	49.53	47.51	125.55	-1,179.62	-1,899.73	297.78	211.04	86.74	3.433		
6,900.00	6,405.93	6,906.58	6,464.39	50.35	48.30	125.47	-1,200.16	-1,932.18	302.21	214.00	88.21	3.426		
7,000.00	6,497.01	7,001.52	6,548.99	51.18	49.17	118.85	-1,218.96	-1,970.70	307.31	216.81	90.50	3.396		
7,100.00	6,582.62	7,094.82	6,624.98	52.20	50.23	107.93	-1,235.76	-2,021.97	312.63	219.41	93.23	3.353		
7,200.00	6,659.25	7,186.78	6,690.98	53.42	51.46	101.01	-1,250.28	-2,084.19	317.63	221.66	95.97	3.310		
7,300.00	6,724.59	7,277.63	6,745.84	54.84	52.84	96.39	-1,262.25	-2,155.49	322.04	223.37	98.67	3.264		
7,400.00	6,776.64	7,367.62	6,788.69	56.40	54.34	93.27	-1,271.49	-2,233.98	325.63	224.37	101.27	3.216		
7,500.00	6,813.82	7,456.99	6,818.87	58.08	55.92	91.28	-1,277.86	-2,317.75	328.24	224.47	103.77	3.163		
7,600.00	6,835.01	7,545.96	6,835.94	59.82	57.55	90.23	-1,281.28	-2,404.92	329.73	223.53	106.20	3.105		
7,700.00	6,840.00	7,637.27	6,840.00	61.57	59.24	90.00	-1,281.75	-2,496.06	330.06	221.12	108.94	3.030		
7,800.00	6,840.00	7,737.27	6,840.00	63.35	61.12	90.00	-1,281.27	-2,596.06	330.05	216.98	113.07	2.919		
7,900.00	6,840.00	7,837.27	6,840.00	65.20	63.06	90.00	-1,280.80	-2,696.06	330.04	212.74	117.30	2.814		
8,000.00	6,840.00	7,937.27	6,840.00	67.10	65.06	90.00	-1,280.32	-2,796.06	330.03	208.40	121.63	2.713		
8,100.00	6,840.00	8,037.27	6,840.00	69.05	67.10	90.00	-1,279.84	-2,896.05	330.02	203.98	126.05	2.618		
8,200.00	6,840.00	8,137.27	6,840.00	71.06	69.20	90.00	-1,279.36	-2,996.05	330.01	199.47	130.54	2.528		
8,300.00	6,840.00	8,237.27	6,840.00	73.11	71.33	90.00	-1,278.89	-3,096.05	330.01	194.90	135.10	2.443		
8,400.00	6,840.00	8,337.27	6,840.00	75.21	73.51	90.00	-1,278.41	-3,196.05	330.00	190.27	139.73	2.362		
8,500.00	6,840.00	8,437.27	6,840.00	77.34	75.72	90.00	-1,277.93	-3,296.05	329.99	185.58	144.41	2.285		
8,600.00	6,840.00	8,537.27	6,840.00	79.51	77.96	90.00	-1,277.45	-3,396.05	329.98	180.84	149.14	2.213		
8,700.00	6,840.00	8,637.27	6,840.00	81.72	80.23	90.00	-1,276.98	-3,496.05	329.97	176.05	153.92	2.144		
8,800.00	6,840.00	8,737.27	6,840.00	83.95	82.54	90.00	-1,276.50	-3,596.05	329.96	171.22	158.75	2.079		
8,900.00	6,840.00	8,837.27	6,840.00	86.22	84.86	90.00	-1,276.02	-3,696.05	329.96	166.35	163.61	2.017		
9,000.00	6,840.00	8,937.27	6,840.00	88.51	87.21	90.00	-1,275.55	-3,796.04	329.95	161.44	168.50	1.958		
9,100.00	6,840.00	9,037.27	6,840.00	90.83	89.58	90.00	-1,275.07	-3,896.04	329.94	156.50	173.43	1.902		
9,200.00	6,840.00	9,137.27	6,840.00	93.16	91.98	90.00	-1,274.59	-3,996.04	329.93	151.54	178.39	1.849		
9,300.00	6,840.00	9,237.27	6,840.00	95.52	94.39	90.00	-1,274.11	-4,096.04	329.92	146.54	183.38	1.799		
9,400.00	6,840.00	9,337.27	6,840.00	97.90	96.81	90.00	-1,273.64	-4,196.04	329.91	141.52	188.39	1.751		
9,500.00	6,840.00	9,437.27	6,840.00	100.30	99.26	90.00	-1,273.16	-4,296.04	329.90	136.48	193.42	1.706		
9,600.00	6,840.00	9,537.27	6,840.00	102.72	101.71	90.00	-1,272.68	-4,396.04	329.90	131.42	198.48	1.662		
9,700.00	6,840.00	9,637.27	6,840.00	105.15	104.19	90.00	-1,272.20	-4,496.04	329.89	126.33	203.56	1.621		
9,800.00	6,840.00	9,737.27	6,840.00	107.59	106.67	90.00	-1,271.73	-4,596.04	329.88	121.23	208.65	1.581		
9,900.00	6,840.00	9,837.27	6,840.00	110.05	109.16	90.00	-1,271.25	-4,696.03	329.87	116.11	213.76	1.543		
10,000.00	6,840.00	9,937.27	6,840.00	112.52	111.67	90.00	-1,270.77	-4,796.03	329.86	110.97	218.89	1.507		
10,100.00	6,840.00	10,037.27	6,840.00	115.00	114.19	90.00	-1,270.29	-4,896.03	329.85	105.82	224.03	1.472 Level 3		
10,200.00	6,840.00	10,137.27	6,840.00	117.50	116.71	90.00	-1,269.82	-4,996.03	329.84	100.66	229.18	1.439 Level 3		
10,300.00	6,840.00	10,237.27	6,840.00	120.00	119.25	90.00	-1,269.34	-5,096.03	329.84	95.48	234.35	1.407 Level 3		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-14 - 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		
10,400.00	6,840.00	10,337.27	6,840.00	122.51	121.79	90.00	-1,268.86	-5,196.03	329.83	90.30	239.53	1.377	Level 3	
10,500.00	6,840.00	10,437.27	6,840.00	125.04	124.34	90.00	-1,268.38	-5,296.03	329.82	85.10	244.72	1.348	Level 3	
10,600.00	6,840.00	10,537.27	6,840.00	127.57	126.90	90.00	-1,267.91	-5,396.03	329.81	79.88	249.93	1.320	Level 3	
10,700.00	6,840.00	10,637.27	6,840.00	130.11	129.46	90.00	-1,267.43	-5,496.03	329.80	74.66	255.14	1.293	Level 3	
10,800.00	6,840.00	10,737.27	6,840.00	132.66	132.04	90.00	-1,266.95	-5,596.02	329.79	69.43	260.36	1.267	Level 3	
10,900.00	6,840.00	10,837.27	6,840.00	135.21	134.61	90.00	-1,266.47	-5,696.02	329.78	64.20	265.59	1.242	Level 2	
11,000.00	6,840.00	10,937.27	6,840.00	137.77	137.20	90.00	-1,266.00	-5,796.02	329.78	58.95	270.83	1.218	Level 2	
11,100.00	6,840.00	11,037.27	6,840.00	140.34	139.78	90.00	-1,265.52	-5,896.02	329.77	53.69	276.07	1.194	Level 2	
11,200.00	6,840.00	11,137.27	6,840.00	142.91	142.38	90.00	-1,265.04	-5,996.02	329.76	48.43	281.33	1.172	Level 2	
11,300.00	6,840.00	11,237.27	6,840.00	145.49	144.98	90.00	-1,264.57	-6,096.02	329.75	43.16	286.59	1.151	Level 2	
11,400.00	6,840.00	11,337.27	6,840.00	148.07	147.58	90.00	-1,264.09	-6,196.02	329.74	37.89	291.85	1.130	Level 2	
11,500.00	6,840.00	11,437.27	6,840.00	150.66	150.19	90.00	-1,263.61	-6,296.02	329.73	32.61	297.13	1.110	Level 2	
11,600.00	6,840.00	11,537.27	6,840.00	153.25	152.80	90.00	-1,263.13	-6,396.01	329.73	27.32	302.41	1.090	Level 2	
11,700.00	6,840.00	11,637.27	6,840.00	155.85	155.41	90.00	-1,262.66	-6,496.01	329.72	22.03	307.69	1.072	Level 2	
11,800.00	6,840.00	11,737.27	6,840.00	158.45	158.03	90.00	-1,262.18	-6,596.01	329.71	16.73	312.98	1.053	Level 2	
11,900.00	6,840.00	11,837.27	6,840.00	161.06	160.65	90.00	-1,261.70	-6,696.01	329.70	11.42	318.28	1.036	Level 2	
12,000.00	6,840.00	11,937.27	6,840.00	163.67	163.28	90.00	-1,261.22	-6,796.01	329.69	6.12	323.58	1.019	Level 2	
12,100.00	6,840.00	12,037.27	6,840.00	166.28	165.91	90.00	-1,260.75	-6,896.01	329.68	0.80	328.88	1.002	Level 2	
12,200.00	6,840.00	12,137.27	6,840.00	168.90	168.54	90.00	-1,260.27	-6,996.01	329.67	-4.51	334.19	0.986	Level 1	
12,300.00	6,840.00	12,237.27	6,840.00	171.52	171.17	90.00	-1,259.79	-7,096.01	329.67	-9.84	339.50	0.971	Level 1	
12,400.00	6,840.00	12,337.27	6,840.00	174.15	173.81	90.00	-1,259.31	-7,196.01	329.66	-15.16	344.82	0.956	Level 1	
12,500.00	6,840.00	12,437.27	6,840.00	176.77	176.45	90.00	-1,258.84	-7,296.00	329.65	-20.49	350.14	0.941	Level 1	
12,600.00	6,840.00	12,537.27	6,840.00	179.40	179.09	90.00	-1,258.36	-7,396.00	329.64	-25.82	355.46	0.927	Level 1	
12,700.00	6,840.00	12,637.27	6,840.00	182.04	181.74	90.00	-1,257.88	-7,496.00	329.63	-31.16	360.79	0.914	Level 1	
12,800.00	6,840.00	12,737.27	6,840.00	184.67	184.38	90.00	-1,257.40	-7,596.00	329.62	-36.50	366.12	0.900	Level 1	
12,900.00	6,840.00	12,837.27	6,840.00	187.31	187.03	90.00	-1,256.93	-7,696.00	329.61	-41.84	371.46	0.887	Level 1	
13,000.00	6,840.00	12,937.27	6,840.00	189.95	189.68	90.00	-1,256.45	-7,796.00	329.61	-47.19	376.79	0.875	Level 1	
13,100.00	6,840.00	13,037.27	6,840.00	192.59	192.34	90.00	-1,255.97	-7,896.00	329.60	-52.54	382.13	0.863	Level 1	
13,200.00	6,840.00	13,137.27	6,840.00	195.24	194.99	90.00	-1,255.49	-7,996.00	329.59	-57.89	387.48	0.851	Level 1	
13,300.00	6,840.00	13,237.27	6,840.00	197.88	197.65	90.00	-1,255.02	-8,096.00	329.58	-63.24	392.82	0.839	Level 1	
13,400.00	6,840.00	13,337.27	6,840.00	200.53	200.31	90.00	-1,254.54	-8,195.99	329.57	-68.60	398.17	0.828	Level 1	
13,500.00	6,840.00	13,437.27	6,840.00	203.18	202.97	90.00	-1,254.06	-8,295.99	329.56	-73.96	403.52	0.817	Level 1	
13,600.00	6,840.00	13,537.27	6,840.00	205.83	205.63	90.00	-1,253.59	-8,395.99	329.55	-79.32	408.87	0.806	Level 1	
13,700.00	6,840.00	13,637.27	6,840.00	208.49	208.29	90.00	-1,253.11	-8,495.99	329.55	-84.68	414.23	0.796	Level 1	
13,800.00	6,840.00	13,737.27	6,840.00	211.14	210.96	90.00	-1,252.63	-8,595.99	329.54	-90.05	419.59	0.785	Level 1	
13,900.00	6,840.00	13,837.27	6,840.00	213.80	213.62	90.00	-1,252.15	-8,695.99	329.53	-95.42	424.94	0.775	Level 1	
14,000.00	6,840.00	13,937.27	6,840.00	216.46	216.29	90.00	-1,251.68	-8,795.99	329.52	-100.79	430.31	0.766	Level 1	
14,100.00	6,840.00	14,037.27	6,840.00	219.12	218.96	90.00	-1,251.20	-8,895.99	329.51	-106.16	435.67	0.756	Level 1	
14,200.00	6,840.00	14,137.27	6,840.00	221.78	221.63	90.00	-1,250.72	-8,995.99	329.50	-111.53	441.03	0.747	Level 1	
14,300.00	6,840.00	14,237.27	6,840.00	224.45	224.30	90.00	-1,250.24	-9,095.98	329.50	-116.91	446.40	0.738	Level 1	
14,400.00	6,840.00	14,337.27	6,840.00	227.11	226.98	90.00	-1,249.77	-9,195.98	329.49	-122.28	451.77	0.729	Level 1	
14,500.00	6,840.00	14,437.27	6,840.00	229.78	229.65	90.00	-1,249.29	-9,295.98	329.48	-127.66	457.14	0.721	Level 1	
14,600.00	6,840.00	14,537.27	6,840.00	232.45	232.32	90.00	-1,248.81	-9,395.98	329.47	-133.04	462.51	0.712	Level 1	
14,700.00	6,840.00	14,637.27	6,840.00	235.12	235.00	90.00	-1,248.33	-9,495.98	329.46	-138.43	467.89	0.704	Level 1	
14,800.00	6,840.00	14,737.27	6,840.00	237.79	237.68	90.00	-1,247.86	-9,595.98	329.45	-143.81	473.26	0.696	Level 1	
14,900.00	6,840.00	14,837.27	6,840.00	240.46	240.35	90.00	-1,247.38	-9,695.98	329.44	-149.19	478.64	0.688	Level 1	
15,000.00	6,840.00	14,937.27	6,840.00	243.13	243.03	90.00	-1,246.90	-9,795.98	329.44	-154.58	484.02	0.681	Level 1	
15,100.00	6,840.00	15,037.27	6,840.00	245.80	245.71	90.00	-1,246.42	-9,895.98	329.43	-159.97	489.40	0.673	Level 1	
15,200.00	6,840.00	15,137.27	6,840.00	248.48	248.39	90.00	-1,245.95	-9,995.97	329.42	-165.36	494.78	0.666	Level 1	
15,300.00	6,840.00	15,237.27	6,840.00	251.15	251.08	90.00	-1,245.47	-10,095.97	329.41	-170.75	500.16	0.659	Level 1	
15,400.00	6,840.00	15,337.27	6,840.00	253.83	253.76	90.00	-1,244.99	-10,195.97	329.40	-176.14	505.54	0.652	Level 1	
15,500.00	6,840.00	15,437.27	6,840.00	256.51	256.44	90.00	-1,244.51	-10,295.97	329.39	-181.53	510.93	0.645	Level 1	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-14 - 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		
15,600.00	6,840.00	15,537.27	6,840.00	259.19	259.12	90.00	-1,244.04	-10,395.97	329.38	-186.93	516.31	0.638	Level 1	
15,700.00	6,840.00	15,637.27	6,840.00	261.87	261.81	90.00	-1,243.56	-10,495.97	329.38	-192.32	521.70	0.631	Level 1	
15,800.00	6,840.00	15,737.27	6,840.00	264.55	264.49	90.00	-1,243.08	-10,595.97	329.37	-197.72	527.09	0.625	Level 1	
15,900.00	6,840.00	15,837.27	6,840.00	267.23	267.18	90.00	-1,242.61	-10,695.97	329.36	-203.12	532.47	0.619	Level 1	
16,000.00	6,840.00	15,937.27	6,840.00	269.91	269.87	90.00	-1,242.13	-10,795.96	329.35	-208.51	537.86	0.612	Level 1	
16,100.00	6,840.00	16,037.27	6,840.00	272.59	272.56	90.00	-1,241.65	-10,895.96	329.34	-213.91	543.25	0.606	Level 1	
16,200.00	6,840.00	16,137.27	6,840.00	275.28	275.24	90.00	-1,241.17	-10,995.96	329.33	-219.31	548.65	0.600	Level 1	
16,300.00	6,840.00	16,237.27	6,840.00	277.96	277.93	90.00	-1,240.70	-11,095.96	329.32	-224.71	554.04	0.594	Level 1	
16,400.00	6,840.00	16,337.27	6,840.00	280.64	280.62	90.00	-1,240.22	-11,195.96	329.32	-230.12	559.43	0.589	Level 1	
16,500.00	6,840.00	16,437.27	6,840.00	283.33	283.31	90.00	-1,239.74	-11,295.96	329.31	-235.52	564.83	0.583	Level 1	
16,600.00	6,840.00	16,537.27	6,840.00	286.02	286.00	90.00	-1,239.26	-11,395.96	329.30	-240.92	570.22	0.577	Level 1	
16,700.00	6,840.00	16,637.27	6,840.00	288.70	288.69	90.00	-1,238.79	-11,495.96	329.29	-246.33	575.62	0.572	Level 1	
16,800.00	6,840.00	16,737.27	6,840.00	291.39	291.39	90.00	-1,238.31	-11,595.96	329.28	-251.73	581.02	0.567	Level 1	
16,900.00	6,840.00	16,837.27	6,840.00	294.08	294.08	90.00	-1,237.83	-11,695.95	329.27	-257.14	586.41	0.562	Level 1	
17,000.00	6,840.00	16,937.27	6,840.00	296.77	296.77	90.00	-1,237.35	-11,795.95	329.26	-262.55	591.81	0.556	Level 1	
17,100.00	6,840.00	17,037.27	6,840.00	299.46	299.46	90.00	-1,236.88	-11,895.95	329.26	-267.96	597.21	0.551	Level 1	
17,200.00	6,840.00	17,137.27	6,840.00	302.14	302.16	90.00	-1,236.40	-11,995.95	329.25	-273.36	602.61	0.546	Level 1	
17,300.00	6,840.00	17,237.27	6,840.00	304.84	304.85	90.00	-1,235.92	-12,095.95	329.24	-278.77	608.01	0.542	Level 1	
17,400.00	6,840.00	17,337.27	6,840.00	307.53	307.55	90.00	-1,235.44	-12,195.95	329.23	-284.18	613.41	0.537	Level 1	
17,500.00	6,840.00	17,437.27	6,840.00	310.22	310.24	90.00	-1,234.97	-12,295.95	329.22	-289.59	618.82	0.532	Level 1	
17,600.00	6,840.00	17,537.27	6,840.00	312.91	312.94	90.00	-1,234.49	-12,395.95	329.21	-295.00	624.22	0.527	Level 1	
17,700.00	6,840.00	17,637.27	6,840.00	315.60	315.63	90.00	-1,234.01	-12,495.95	329.21	-300.42	629.62	0.523	Level 1	
17,800.00	6,840.00	17,737.27	6,840.00	318.29	318.33	90.00	-1,233.53	-12,595.94	329.20	-305.83	635.03	0.518	Level 1	
17,900.00	6,840.00	17,837.27	6,840.00	320.99	321.03	90.00	-1,233.06	-12,695.94	329.19	-311.24	640.43	0.514	Level 1	
18,000.00	6,840.00	17,937.27	6,840.00	323.68	323.72	90.00	-1,232.58	-12,795.94	329.18	-316.66	645.84	0.510	Level 1	
18,100.00	6,840.00	18,037.27	6,840.00	326.38	326.42	90.00	-1,232.10	-12,895.94	329.17	-322.07	651.24	0.505	Level 1	
18,200.00	6,840.00	18,137.27	6,840.00	329.07	329.12	90.00	-1,231.63	-12,995.94	329.16	-327.49	656.65	0.501	Level 1	
18,300.00	6,840.00	18,237.27	6,840.00	331.77	331.82	90.00	-1,231.15	-13,095.94	329.15	-332.90	662.05	0.497	Level 1	
18,400.00	6,840.00	18,337.27	6,840.00	334.46	334.52	90.00	-1,230.67	-13,195.94	329.15	-338.32	667.46	0.493	Level 1	
18,500.00	6,840.00	18,437.27	6,840.00	337.16	337.21	90.00	-1,230.19	-13,295.94	329.14	-343.73	672.87	0.489	Level 1	
18,600.00	6,840.00	18,537.27	6,840.00	339.85	339.91	90.00	-1,229.72	-13,395.94	329.13	-349.15	678.28	0.485	Level 1	
18,700.00	6,840.00	18,637.27	6,840.00	342.55	342.61	90.00	-1,229.24	-13,495.93	329.12	-354.57	683.69	0.481	Level 1	
18,800.00	6,840.00	18,737.27	6,840.00	345.25	345.31	90.00	-1,228.76	-13,595.93	329.11	-359.99	689.10	0.478	Level 1	
18,900.00	6,840.00	18,837.27	6,840.00	347.94	348.01	90.00	-1,228.28	-13,695.93	329.10	-365.40	694.51	0.474	Level 1	
19,000.00	6,840.00	18,937.27	6,840.00	350.64	350.71	90.00	-1,227.81	-13,795.93	329.09	-370.82	699.92	0.470	Level 1	
19,100.00	6,840.00	19,037.27	6,840.00	353.34	353.41	90.00	-1,227.33	-13,895.93	329.09	-376.24	705.33	0.467	Level 1	
19,200.00	6,840.00	19,137.27	6,840.00	356.04	356.12	90.00	-1,226.85	-13,995.93	329.08	-381.66	710.74	0.463	Level 1	
19,300.00	6,840.00	19,237.27	6,840.00	358.74	358.82	90.00	-1,226.37	-14,095.93	329.07	-387.08	716.15	0.459	Level 1	
19,400.00	6,840.00	19,337.27	6,840.00	361.44	361.52	90.00	-1,225.90	-14,195.93	329.06	-392.50	721.56	0.456	Level 1	
19,500.00	6,840.00	19,437.27	6,840.00	364.13	364.22	90.00	-1,225.42	-14,295.93	329.05	-397.92	726.98	0.453	Level 1	
19,600.00	6,840.00	19,537.27	6,840.00	366.83	366.92	90.00	-1,224.94	-14,395.92	329.04	-403.35	732.39	0.449	Level 1	
19,700.00	6,840.00	19,637.27	6,840.00	369.53	369.63	90.00	-1,224.46	-14,495.92	329.03	-408.77	737.80	0.446	Level 1	
19,800.00	6,840.00	19,737.27	6,840.00	372.23	372.33	90.00	-1,223.99	-14,595.92	329.03	-414.19	743.22	0.443	Level 1	
19,900.00	6,840.00	19,837.27	6,840.00	374.94	375.03	90.00	-1,223.51	-14,695.92	329.02	-419.61	748.63	0.439	Level 1	
20,000.00	6,840.00	19,937.27	6,840.00	377.64	377.74	90.00	-1,223.03	-14,795.92	329.01	-425.04	754.04	0.436	Level 1	
20,100.00	6,840.00	20,037.27	6,840.00	380.34	380.44	90.00	-1,222.56	-14,895.92	329.00	-430.46	759.46	0.433	Level 1	
20,200.00	6,840.00	20,137.27	6,840.00	383.04	383.14	90.00	-1,222.08	-14,995.92	328.99	-435.88	764.87	0.430	Level 1	
20,300.00	6,840.00	20,237.27	6,840.00	385.74	385.85	90.00	-1,221.60	-15,095.92	328.98	-441.31	770.29	0.427	Level 1	
20,400.00	6,840.00	20,337.27	6,840.00	388.44	388.55	90.00	-1,221.12	-15,195.91	328.98	-446.73	775.71	0.424	Level 1	
20,500.00	6,840.00	20,437.27	6,840.00	391.14	391.26	90.00	-1,220.65	-15,295.91	328.97	-452.16	781.12	0.421	Level 1	
20,552.28	6,840.00	20,489.54	6,840.00	392.56	392.67	90.00	-1,220.40	-15,348.19	328.96	-454.99	783.95	0.420	Level 1, ES, SF	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-16 - 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	-180.00	-22.59	0.00	22.59					
100.00	100.00	101.00	101.00	0.13	0.14	-180.00	-22.59	0.00	22.59	22.32	0.27	83.594 CC		
200.00	200.00	200.42	200.40	0.49	0.49	-176.91	-23.79	-1.29	23.83	22.85	0.98	24.246		
300.00	300.00	299.60	299.44	0.85	0.85	-169.47	-27.33	-5.08	27.84	26.14	1.70	16.380		
400.00	399.98	398.46	397.92	1.20	1.22	-34.61	-33.19	-11.35	33.77	31.36	2.40	14.042		
500.00	499.84	497.09	495.82	1.55	1.61	-30.27	-41.35	-20.08	40.13	37.02	3.10	12.926		
600.00	599.45	595.49	593.02	1.91	2.03	-27.48	-51.77	-31.23	46.73	42.91	3.81	12.252		
700.00	698.70	693.65	689.41	2.29	2.49	-25.70	-64.43	-44.78	53.47	48.94	4.53	11.796		
800.00	797.47	791.59	784.89	2.70	2.97	-24.59	-79.30	-60.70	60.30	55.04	5.26	11.457		
900.00	895.62	889.30	879.35	3.14	3.50	-23.95	-96.35	-78.95	67.19	61.18	6.01	11.183		
1,000.00	993.06	986.78	972.69	3.62	4.07	-23.66	-115.55	-99.49	74.11	67.34	6.77	10.952		
1,100.00	1,089.64	1,084.05	1,064.81	4.14	4.68	-23.62	-136.85	-122.28	81.05	73.50	7.55	10.734		
1,200.00	1,185.27	1,181.10	1,155.62	4.70	5.33	-23.77	-160.21	-147.29	88.00	79.64	8.36	10.527		
1,300.00	1,279.82	1,277.93	1,245.02	5.31	6.04	-24.06	-185.61	-174.47	94.96	85.76	9.20	10.323		
1,400.00	1,373.17	1,375.83	1,334.18	5.98	6.79	-24.53	-213.20	-203.99	101.67	91.57	10.10	10.065		
1,500.00	1,465.22	1,475.72	1,424.91	6.70	7.59	-25.65	-241.73	-234.53	105.84	94.72	11.12	9.519		
1,600.00	1,556.72	1,575.64	1,515.67	7.45	8.39	-27.05	-270.27	-265.07	108.79	96.59	12.20	8.919		
1,700.00	1,648.21	1,675.56	1,606.42	8.21	9.20	-28.37	-298.82	-295.62	111.80	98.48	13.31	8.397		
1,800.00	1,739.71	1,775.48	1,697.18	8.99	10.02	-29.62	-327.36	-326.16	114.86	100.40	14.47	7.940		
1,900.00	1,831.20	1,875.41	1,787.93	9.77	10.83	-30.81	-355.90	-356.71	117.98	102.33	15.65	7.538		
2,000.00	1,922.69	1,975.33	1,878.69	10.56	11.66	-31.93	-384.45	-387.26	121.14	104.28	16.86	7.183		
2,100.00	2,014.19	2,075.25	1,969.45	11.35	12.48	-33.00	-412.99	-417.80	124.35	106.25	18.10	6.869		
2,200.00	2,105.68	2,175.17	2,060.20	12.14	13.30	-34.01	-441.53	-448.35	127.60	108.23	19.37	6.588		
2,300.00	2,197.18	2,275.09	2,150.96	12.94	14.13	-34.97	-470.07	-478.90	130.89	110.23	20.66	6.337		
2,400.00	2,288.67	2,375.02	2,241.72	13.74	14.96	-35.89	-498.62	-509.44	134.21	112.25	21.96	6.111		
2,500.00	2,380.17	2,474.94	2,332.47	14.54	15.78	-36.76	-527.16	-539.99	137.57	114.28	23.29	5.907		
2,600.00	2,471.66	2,574.86	2,423.23	15.35	16.61	-37.59	-555.70	-570.53	140.95	116.32	24.63	5.723		
2,700.00	2,563.16	2,674.78	2,513.99	16.15	17.44	-38.38	-584.25	-601.08	144.37	118.38	25.99	5.555		
2,800.00	2,654.65	2,774.71	2,604.74	16.96	18.28	-39.13	-612.79	-631.63	147.80	120.45	27.36	5.403		
2,900.00	2,746.15	2,874.63	2,695.50	17.76	19.11	-39.85	-641.33	-662.17	151.27	122.53	28.74	5.263		
3,000.00	2,837.64	2,974.55	2,786.25	18.57	19.94	-40.54	-669.87	-692.72	154.76	124.62	30.14	5.135		
3,100.00	2,929.14	3,074.47	2,877.01	19.38	20.77	-41.19	-698.42	-723.27	158.26	126.72	31.54	5.017		
3,200.00	3,020.63	3,174.40	2,967.77	20.19	21.60	-41.82	-726.96	-753.81	161.79	128.83	32.96	4.909		
3,300.00	3,112.13	3,274.32	3,058.52	21.00	22.44	-42.42	-755.50	-784.36	165.34	130.95	34.38	4.808		
3,400.00	3,203.62	3,374.24	3,149.28	21.81	23.27	-43.00	-784.04	-814.90	168.90	133.08	35.82	4.716		
3,500.00	3,295.12	3,474.16	3,240.04	22.63	24.10	-43.55	-812.59	-845.45	172.48	135.22	37.26	4.629		
3,600.00	3,386.61	3,574.09	3,330.79	23.44	24.94	-44.08	-841.13	-876.00	176.08	137.37	38.71	4.549		
3,700.00	3,478.10	3,674.01	3,421.55	24.25	25.77	-44.59	-869.67	-906.54	179.69	139.52	40.16	4.474		
3,800.00	3,569.60	3,773.93	3,512.31	25.06	26.61	-45.08	-898.22	-937.09	183.31	141.69	41.62	4.404		
3,900.00	3,661.09	3,873.85	3,603.06	25.88	27.44	-45.55	-926.76	-967.63	186.95	143.86	43.09	4.339		
4,000.00	3,752.59	3,973.78	3,693.82	26.69	28.28	-46.00	-955.30	-998.18	190.59	146.04	44.56	4.277		
4,100.00	3,844.08	4,073.70	3,784.57	27.50	29.11	-46.43	-983.84	-1,028.73	194.25	148.22	46.03	4.220		
4,200.00	3,935.58	4,173.62	3,875.33	28.32	29.95	-46.85	-1,012.39	-1,059.27	197.92	150.41	47.51	4.166		
4,300.00	4,027.07	4,273.54	3,966.09	29.13	30.78	-47.25	-1,040.93	-1,089.82	201.60	152.61	49.00	4.115		
4,400.00	4,118.57	4,373.46	4,056.84	29.95	31.62	-47.64	-1,069.47	-1,120.37	205.29	154.81	50.49	4.066		
4,500.00	4,210.06	4,473.39	4,147.60	30.76	32.45	-48.02	-1,098.02	-1,150.91	208.99	157.02	51.98	4.021		
4,600.00	4,301.56	4,573.31	4,238.36	31.58	33.29	-48.38	-1,126.56	-1,181.46	212.70	159.23	53.47	3.978		
4,700.00	4,393.05	4,673.23	4,329.11	32.39	34.12	-48.73	-1,155.10	-1,212.00	216.42	161.45	54.97	3.937		
4,800.00	4,484.55	4,773.15	4,419.87	33.21	34.96	-49.07	-1,183.64	-1,242.55	220.14	163.67	56.47	3.898		
4,900.00	4,576.04	4,873.08	4,510.63	34.02	35.79	-49.39	-1,212.19	-1,273.10	223.87	165.90	57.97	3.862		
5,000.00	4,667.54	4,973.00	4,601.38	34.84	36.63	-49.71	-1,240.73	-1,303.64	227.61	168.13	59.48	3.827		
5,100.00	4,759.03	5,072.92	4,692.14	35.65	37.47	-50.01	-1,269.27	-1,334.19	231.36	170.37	60.98	3.794		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-16 - 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	4,850.53	5,172.84	4,782.90	36.47	38.30	-50.31	-1,297.82	-1,364.73	235.11	172.61	62.49	3.762		
5,300.00	4,942.02	5,272.77	4,873.65	37.28	39.14	-50.60	-1,326.36	-1,395.28	238.86	174.86	64.00	3.732		
5,400.00	5,033.51	5,372.69	4,964.41	38.10	39.97	-50.87	-1,354.90	-1,425.83	242.63	177.11	65.52	3.703		
5,500.00	5,125.01	5,472.61	5,055.16	38.92	40.81	-51.14	-1,383.44	-1,456.37	246.40	179.36	67.03	3.676		
5,600.00	5,216.50	5,572.53	5,145.92	39.73	41.65	-51.40	-1,411.99	-1,486.92	250.17	181.62	68.55	3.649		
5,700.00	5,308.00	5,672.46	5,236.68	40.55	42.48	-51.66	-1,440.53	-1,517.47	253.95	183.88	70.07	3.624		
5,800.00	5,399.49	5,772.38	5,327.43	41.36	43.32	-51.90	-1,469.07	-1,548.01	257.73	186.14	71.59	3.600		
5,900.00	5,490.99	5,872.30	5,418.19	42.18	44.15	-52.14	-1,497.61	-1,578.56	261.52	188.41	73.11	3.577		
6,000.00	5,582.48	5,972.22	5,508.95	43.00	44.99	-52.37	-1,526.16	-1,609.10	265.31	190.68	74.63	3.555		
6,100.00	5,673.98	6,072.15	5,599.70	43.81	45.83	-52.60	-1,554.70	-1,639.65	269.11	192.95	76.16	3.534		
6,200.00	5,765.47	6,172.07	5,690.46	44.63	46.66	-52.82	-1,583.24	-1,670.20	272.91	195.23	77.68	3.513		
6,300.00	5,856.97	6,271.99	5,781.22	45.45	47.50	-53.03	-1,611.79	-1,700.74	276.71	197.51	79.21	3.494		
6,400.00	5,948.46	6,371.91	5,871.97	46.26	48.34	-53.24	-1,640.33	-1,731.29	280.52	199.79	80.73	3.475		
6,500.00	6,039.96	6,471.83	5,962.73	47.08	49.17	-53.44	-1,668.87	-1,761.84	284.34	202.07	82.26	3.457		
6,600.00	6,131.45	6,571.76	6,053.48	47.90	50.01	-53.63	-1,697.41	-1,792.38	288.15	204.36	83.79	3.439		
6,700.00	6,222.95	6,671.68	6,144.24	48.71	50.85	-53.83	-1,725.96	-1,822.93	291.97	206.65	85.32	3.422		
6,800.00	6,314.44	6,771.60	6,235.00	49.53	51.68	-54.01	-1,754.50	-1,853.47	295.79	208.94	86.85	3.406		
6,900.00	6,405.93	6,871.52	6,325.75	50.35	52.52	-54.19	-1,783.04	-1,884.02	299.62	211.24	88.38	3.390		
7,000.00	6,497.01	6,971.40	6,416.47	51.18	53.36	-54.49	-1,811.57	-1,914.55	303.56	213.47	90.10	3.369		
7,100.00	6,588.62	7,074.39	6,509.17	52.20	54.26	-70.29	-1,840.71	-1,948.54	308.84	215.30	93.54	3.302		
7,200.00	6,659.25	7,183.58	6,600.36	53.42	55.42	-77.59	-1,869.28	-2,001.01	314.52	217.24	97.28	3.233		
7,300.00	6,724.59	7,296.15	6,682.71	54.84	56.84	-82.61	-1,894.97	-2,073.04	319.94	219.25	100.69	3.177		
7,400.00	6,776.64	7,411.81	6,751.71	56.40	58.50	-86.08	-1,916.34	-2,163.12	324.65	221.11	103.54	3.136		
7,500.00	6,813.82	7,530.02	6,803.00	58.08	60.35	-88.35	-1,932.03	-2,268.23	328.22	222.51	105.72	3.105		
7,600.00	6,835.01	7,649.99	6,832.96	59.82	62.31	-89.56	-1,940.93	-2,383.84	330.32	223.02	107.30	3.078		
7,700.00	6,840.00	7,765.81	6,840.00	61.57	64.22	-89.83	-1,942.59	-2,499.27	330.79	221.59	109.20	3.029		
7,800.00	6,840.00	7,865.81	6,840.00	63.35	65.89	-89.83	-1,942.09	-2,599.27	330.78	217.50	113.28	2.920		
7,900.00	6,840.00	7,965.81	6,840.00	65.20	67.63	-89.83	-1,941.60	-2,699.27	330.77	213.31	117.46	2.816		
8,000.00	6,840.00	8,065.81	6,840.00	67.10	69.43	-89.83	-1,941.10	-2,799.27	330.76	209.02	121.74	2.717		
8,100.00	6,840.00	8,165.81	6,840.00	69.05	71.29	-89.83	-1,940.61	-2,899.27	330.75	204.65	126.11	2.623		
8,200.00	6,840.00	8,265.81	6,840.00	71.06	73.19	-89.83	-1,940.11	-2,999.26	330.74	200.19	130.56	2.533		
8,300.00	6,840.00	8,365.81	6,840.00	73.11	75.15	-89.83	-1,939.62	-3,099.26	330.74	195.66	135.08	2.448		
8,400.00	6,840.00	8,465.81	6,840.00	75.21	77.15	-89.83	-1,939.13	-3,199.26	330.73	191.06	139.67	2.368		
8,500.00	6,840.00	8,565.81	6,840.00	77.34	79.20	-89.83	-1,938.63	-3,299.26	330.72	186.40	144.32	2.292		
8,600.00	6,840.00	8,665.81	6,840.00	79.51	81.29	-89.83	-1,938.14	-3,399.26	330.71	181.69	149.02	2.219		
8,700.00	6,840.00	8,765.81	6,840.00	81.72	83.41	-89.83	-1,937.64	-3,499.26	330.70	176.93	153.77	2.151		
8,800.00	6,840.00	8,865.81	6,840.00	83.95	85.57	-89.83	-1,937.15	-3,599.26	330.69	172.13	158.56	2.086		
8,900.00	6,840.00	8,965.81	6,840.00	86.22	87.77	-89.83	-1,936.65	-3,699.26	330.69	167.29	163.40	2.024		
9,000.00	6,840.00	9,065.81	6,840.00	88.51	89.99	-89.83	-1,936.16	-3,799.25	330.68	162.41	168.27	1.965		
9,100.00	6,840.00	9,165.81	6,840.00	90.83	92.24	-89.83	-1,935.66	-3,899.25	330.67	157.49	173.17	1.909		
9,200.00	6,840.00	9,265.81	6,840.00	93.16	94.51	-89.83	-1,935.17	-3,999.25	330.66	152.55	178.11	1.856		
9,300.00	6,840.00	9,365.81	6,840.00	95.52	96.81	-89.83	-1,934.68	-4,099.25	330.65	147.58	183.08	1.806		
9,400.00	6,840.00	9,465.81	6,840.00	97.90	99.14	-89.83	-1,934.18	-4,199.25	330.64	142.58	188.07	1.758		
9,500.00	6,840.00	9,565.81	6,840.00	100.30	101.48	-89.83	-1,933.69	-4,299.25	330.63	137.55	193.08	1.712		
9,600.00	6,840.00	9,665.81	6,840.00	102.72	103.84	-89.83	-1,933.19	-4,399.25	330.63	132.50	198.12	1.669		
9,700.00	6,840.00	9,765.81	6,840.00	105.15	106.23	-89.83	-1,932.70	-4,499.25	330.62	127.44	203.18	1.627		
9,800.00	6,840.00	9,865.81	6,840.00	107.59	108.62	-89.83	-1,932.20	-4,599.24	330.61	122.35	208.26	1.587		
9,900.00	6,840.00	9,965.81	6,840.00	110.05	111.04	-89.83	-1,931.71	-4,699.24	330.60	117.25	213.35	1.550		
10,000.00	6,840.00	10,065.81	6,840.00	112.52	113.47	-89.83	-1,931.21	-4,799.24	330.59	112.13	218.47	1.513		
10,100.00	6,840.00	10,165.81	6,840.00	115.00	115.91	-89.83	-1,930.72	-4,899.24	330.58	106.99	223.59	1.479 Level 3		
10,200.00	6,840.00	10,265.81	6,840.00	117.50	118.36	-89.83	-1,930.23	-4,999.24	330.57	101.84	228.74	1.445 Level 3		
10,300.00	6,840.00	10,365.81	6,840.00	120.00	120.83	-89.83	-1,929.73	-5,099.24	330.57	96.67	233.89	1.413 Level 3		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-16 - 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		
10,400.00	6,840.00	10,465.81	6,840.00	122.51	123.31	-89.83	-1,929.24	-5,199.24	330.56	91.50	239.06	1.383	Level 3	
10,500.00	6,840.00	10,565.81	6,840.00	125.04	125.80	-89.83	-1,928.74	-5,299.24	330.55	86.31	244.24	1.353	Level 3	
10,600.00	6,840.00	10,665.81	6,840.00	127.57	128.30	-89.83	-1,928.25	-5,399.24	330.54	81.11	249.43	1.325	Level 3	
10,700.00	6,840.00	10,765.81	6,840.00	130.11	130.81	-89.83	-1,927.75	-5,499.23	330.53	75.90	254.63	1.298	Level 3	
10,800.00	6,840.00	10,865.81	6,840.00	132.66	133.33	-89.83	-1,927.26	-5,599.23	330.52	70.68	259.84	1.272	Level 3	
10,900.00	6,840.00	10,965.81	6,840.00	135.21	135.85	-89.83	-1,926.76	-5,699.23	330.51	65.45	265.06	1.247	Level 2	
11,000.00	6,840.00	11,065.81	6,840.00	137.77	138.38	-89.83	-1,926.27	-5,799.23	330.51	60.21	270.29	1.223	Level 2	
11,100.00	6,840.00	11,165.81	6,840.00	140.34	140.93	-89.83	-1,925.78	-5,899.23	330.50	54.97	275.53	1.199	Level 2	
11,200.00	6,840.00	11,265.81	6,840.00	142.91	143.47	-89.83	-1,925.28	-5,999.23	330.49	49.71	280.77	1.177	Level 2	
11,300.00	6,840.00	11,365.81	6,840.00	145.49	146.03	-89.83	-1,924.79	-6,099.23	330.48	44.45	286.03	1.155	Level 2	
11,400.00	6,840.00	11,465.81	6,840.00	148.07	148.59	-89.83	-1,924.29	-6,199.23	330.47	39.19	291.29	1.135	Level 2	
11,500.00	6,840.00	11,565.81	6,840.00	150.66	151.16	-89.83	-1,923.80	-6,299.22	330.46	33.91	296.55	1.114	Level 2	
11,600.00	6,840.00	11,665.81	6,840.00	153.25	153.73	-89.83	-1,923.30	-6,399.22	330.45	28.63	301.82	1.095	Level 2	
11,700.00	6,840.00	11,765.81	6,840.00	155.85	156.31	-89.83	-1,922.81	-6,499.22	330.45	23.35	307.10	1.076	Level 2	
11,800.00	6,840.00	11,865.81	6,840.00	158.45	158.89	-89.83	-1,922.31	-6,599.22	330.44	18.05	312.38	1.058	Level 2	
11,900.00	6,840.00	11,965.81	6,840.00	161.06	161.48	-89.83	-1,921.82	-6,699.22	330.43	12.76	317.67	1.040	Level 2	
12,000.00	6,840.00	12,065.81	6,840.00	163.67	164.07	-89.83	-1,921.33	-6,799.22	330.42	7.46	322.97	1.023	Level 2	
12,100.00	6,840.00	12,165.81	6,840.00	166.28	166.66	-89.83	-1,920.83	-6,899.22	330.41	2.15	328.26	1.007	Level 2	
12,200.00	6,840.00	12,265.81	6,840.00	168.90	169.26	-89.83	-1,920.34	-6,999.22	330.40	-3.16	333.57	0.991	Level 1	
12,300.00	6,840.00	12,365.81	6,840.00	171.52	171.87	-89.83	-1,919.84	-7,099.21	330.40	-8.48	338.87	0.975	Level 1	
12,400.00	6,840.00	12,465.81	6,840.00	174.15	174.48	-89.83	-1,919.35	-7,199.21	330.39	-13.80	344.19	0.960	Level 1	
12,500.00	6,840.00	12,565.81	6,840.00	176.77	177.09	-89.83	-1,918.85	-7,299.21	330.38	-19.12	349.50	0.945	Level 1	
12,600.00	6,840.00	12,665.81	6,840.00	179.40	179.70	-89.83	-1,918.36	-7,399.21	330.37	-24.45	354.82	0.931	Level 1	
12,700.00	6,840.00	12,765.81	6,840.00	182.04	182.32	-89.83	-1,917.87	-7,499.21	330.36	-29.78	360.14	0.917	Level 1	
12,800.00	6,840.00	12,865.81	6,840.00	184.67	184.94	-89.83	-1,917.37	-7,599.21	330.35	-35.12	365.47	0.904	Level 1	
12,900.00	6,840.00	12,965.81	6,840.00	187.31	187.57	-89.83	-1,916.88	-7,699.21	330.34	-40.45	370.80	0.891	Level 1	
13,000.00	6,840.00	13,065.81	6,840.00	189.95	190.19	-89.83	-1,916.38	-7,799.21	330.34	-45.79	376.13	0.878	Level 1	
13,100.00	6,840.00	13,165.81	6,840.00	192.59	192.82	-89.83	-1,915.89	-7,899.20	330.33	-51.14	381.47	0.866	Level 1	
13,200.00	6,840.00	13,265.81	6,840.00	195.24	195.45	-89.83	-1,915.39	-7,999.20	330.32	-56.49	386.80	0.854	Level 1	
13,300.00	6,840.00	13,365.81	6,840.00	197.88	198.09	-89.83	-1,914.90	-8,099.20	330.31	-61.84	392.15	0.842	Level 1	
13,400.00	6,840.00	13,465.81	6,840.00	200.53	200.73	-89.83	-1,914.40	-8,199.20	330.30	-67.19	397.49	0.831	Level 1	
13,500.00	6,840.00	13,565.81	6,840.00	203.18	203.37	-89.83	-1,913.91	-8,299.20	330.29	-72.54	402.84	0.820	Level 1	
13,600.00	6,840.00	13,665.81	6,840.00	205.83	206.01	-89.83	-1,913.42	-8,399.20	330.28	-77.90	408.18	0.809	Level 1	
13,700.00	6,840.00	13,765.81	6,840.00	208.49	208.65	-89.83	-1,912.92	-8,499.20	330.28	-83.26	413.54	0.799	Level 1	
13,800.00	6,840.00	13,865.81	6,840.00	211.14	211.30	-89.83	-1,912.43	-8,599.20	330.27	-88.62	418.89	0.788	Level 1	
13,900.00	6,840.00	13,965.81	6,840.00	213.80	213.94	-89.83	-1,911.93	-8,699.19	330.26	-93.99	424.24	0.778	Level 1	
14,000.00	6,840.00	14,065.81	6,840.00	216.46	216.59	-89.83	-1,911.44	-8,799.19	330.25	-99.35	429.60	0.769	Level 1	
14,100.00	6,840.00	14,165.81	6,840.00	219.12	219.25	-89.83	-1,910.94	-8,899.19	330.24	-104.72	434.96	0.759	Level 1	
14,200.00	6,840.00	14,265.81	6,840.00	221.78	221.90	-89.83	-1,910.45	-8,999.19	330.23	-110.09	440.32	0.750	Level 1	
14,300.00	6,840.00	14,365.81	6,840.00	224.45	224.55	-89.83	-1,909.95	-9,099.19	330.22	-115.46	445.69	0.741	Level 1	
14,400.00	6,840.00	14,465.81	6,840.00	227.11	227.21	-89.83	-1,909.46	-9,199.19	330.22	-120.84	451.05	0.732	Level 1	
14,500.00	6,840.00	14,565.81	6,840.00	229.78	229.87	-89.83	-1,908.97	-9,299.19	330.21	-126.21	456.42	0.723	Level 1	
14,600.00	6,840.00	14,665.81	6,840.00	232.45	232.53	-89.83	-1,908.47	-9,399.19	330.20	-131.59	461.79	0.715	Level 1	
14,700.00	6,840.00	14,765.81	6,840.00	235.12	235.19	-89.83	-1,907.98	-9,499.18	330.19	-136.97	467.16	0.707	Level 1	
14,800.00	6,840.00	14,865.81	6,840.00	237.79	237.85	-89.83	-1,907.48	-9,599.18	330.18	-142.35	472.53	0.699	Level 1	
14,900.00	6,840.00	14,965.81	6,840.00	240.46	240.51	-89.83	-1,906.99	-9,699.18	330.17	-147.73	477.91	0.691	Level 1	
15,000.00	6,840.00	15,065.81	6,840.00	243.13	243.18	-89.83	-1,906.49	-9,799.18	330.17	-153.12	483.28	0.683	Level 1	
15,100.00	6,840.00	15,165.81	6,840.00	245.80	245.84	-89.83	-1,906.00	-9,899.18	330.16	-158.50	488.66	0.676	Level 1	
15,200.00	6,840.00	15,265.81	6,840.00	248.48	248.51	-89.83	-1,905.50	-9,999.18	330.15	-163.89	494.04	0.668	Level 1	
15,300.00	6,840.00	15,365.81	6,840.00	251.15	251.18	-89.83	-1,905.01	-10,099.18	330.14	-169.28	499.42	0.661	Level 1	
15,400.00	6,840.00	15,465.81	6,840.00	253.83	253.85	-89.83	-1,904.52	-10,199.18	330.13	-174.67	504.80	0.654	Level 1	
15,500.00	6,840.00	15,565.81	6,840.00	256.51	256.52	-89.83	-1,904.02	-10,299.18	330.12	-180.06	510.18	0.647	Level 1	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SHELTON 25W-25-16 - 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		
15,600.00	6,840.00	15,665.81	6,840.00	259.19	259.19	-89.83	-1,903.53	-10,399.17	330.11	-185.45	515.56	0.640	Level 1	
15,700.00	6,840.00	15,765.81	6,840.00	261.87	261.87	-89.83	-1,903.03	-10,499.17	330.11	-190.84	520.95	0.634	Level 1	
15,800.00	6,840.00	15,865.81	6,840.00	264.55	264.54	-89.83	-1,902.54	-10,599.17	330.10	-196.23	526.33	0.627	Level 1	
15,900.00	6,840.00	15,965.81	6,840.00	267.23	267.21	-89.83	-1,902.04	-10,699.17	330.09	-201.63	531.72	0.621	Level 1	
16,000.00	6,840.00	16,065.81	6,840.00	269.91	269.89	-89.83	-1,901.55	-10,799.17	330.08	-207.03	537.11	0.615	Level 1	
16,100.00	6,840.00	16,165.81	6,840.00	272.59	272.57	-89.83	-1,901.05	-10,899.17	330.07	-212.42	542.49	0.608	Level 1	
16,200.00	6,840.00	16,265.81	6,840.00	275.28	275.24	-89.83	-1,900.56	-10,999.17	330.06	-217.82	547.88	0.602	Level 1	
16,300.00	6,840.00	16,365.81	6,840.00	277.96	277.92	-89.83	-1,900.07	-11,099.17	330.05	-223.22	553.27	0.597	Level 1	
16,400.00	6,840.00	16,465.81	6,840.00	280.64	280.60	-89.83	-1,899.57	-11,199.16	330.05	-228.62	558.67	0.591	Level 1	
16,500.00	6,840.00	16,565.81	6,840.00	283.33	283.28	-89.83	-1,899.08	-11,299.16	330.04	-234.02	564.06	0.585	Level 1	
16,600.00	6,840.00	16,665.81	6,840.00	286.02	285.96	-89.83	-1,898.58	-11,399.16	330.03	-239.42	569.45	0.580	Level 1	
16,700.00	6,840.00	16,765.81	6,840.00	288.70	288.64	-89.83	-1,898.09	-11,499.16	330.02	-244.83	574.85	0.574	Level 1	
16,800.00	6,840.00	16,865.81	6,840.00	291.39	291.33	-89.83	-1,897.59	-11,599.16	330.01	-250.23	580.24	0.569	Level 1	
16,900.00	6,840.00	16,965.81	6,840.00	294.08	294.01	-89.83	-1,897.10	-11,699.16	330.00	-255.63	585.64	0.563	Level 1	
17,000.00	6,840.00	17,065.81	6,840.00	296.77	296.69	-89.83	-1,896.60	-11,799.16	329.99	-261.04	591.03	0.558	Level 1	
17,100.00	6,840.00	17,165.81	6,840.00	299.46	299.38	-89.83	-1,896.11	-11,899.16	329.99	-266.45	596.43	0.553	Level 1	
17,200.00	6,840.00	17,265.81	6,840.00	302.14	302.06	-89.83	-1,895.62	-11,999.15	329.98	-271.85	601.83	0.548	Level 1	
17,300.00	6,840.00	17,365.81	6,840.00	304.84	304.75	-89.83	-1,895.12	-12,099.15	329.97	-277.26	607.23	0.543	Level 1	
17,400.00	6,840.00	17,465.81	6,840.00	307.53	307.43	-89.83	-1,894.63	-12,199.15	329.96	-282.67	612.63	0.539	Level 1	
17,500.00	6,840.00	17,565.81	6,840.00	310.22	310.12	-89.83	-1,894.13	-12,299.15	329.95	-288.08	618.03	0.534	Level 1	
17,600.00	6,840.00	17,665.81	6,840.00	312.91	312.81	-89.83	-1,893.64	-12,399.15	329.94	-293.49	623.43	0.529	Level 1	
17,700.00	6,840.00	17,765.81	6,840.00	315.60	315.50	-89.83	-1,893.14	-12,499.15	329.94	-298.90	628.83	0.525	Level 1	
17,800.00	6,840.00	17,865.81	6,840.00	318.29	318.19	-89.83	-1,892.65	-12,599.15	329.93	-304.31	634.23	0.520	Level 1	
17,900.00	6,840.00	17,965.81	6,840.00	320.99	320.87	-89.83	-1,892.15	-12,699.15	329.92	-309.72	639.64	0.516	Level 1	
18,000.00	6,840.00	18,065.81	6,840.00	323.68	323.56	-89.83	-1,891.66	-12,799.14	329.91	-315.13	645.04	0.511	Level 1	
18,100.00	6,840.00	18,165.81	6,840.00	326.38	326.25	-89.83	-1,891.17	-12,899.14	329.90	-320.54	650.45	0.507	Level 1	
18,200.00	6,840.00	18,265.81	6,840.00	329.07	328.95	-89.83	-1,890.67	-12,999.14	329.89	-325.96	655.85	0.503	Level 1	
18,300.00	6,840.00	18,365.81	6,840.00	331.77	331.64	-89.83	-1,890.18	-13,099.14	329.88	-331.37	661.26	0.499	Level 1	
18,400.00	6,840.00	18,465.81	6,840.00	334.46	334.33	-89.83	-1,889.68	-13,199.14	329.88	-336.79	666.66	0.495	Level 1	
18,500.00	6,840.00	18,565.81	6,840.00	337.16	337.02	-89.83	-1,889.19	-13,299.14	329.87	-342.20	672.07	0.491	Level 1	
18,600.00	6,840.00	18,665.81	6,840.00	339.85	339.71	-89.83	-1,888.69	-13,399.14	329.86	-347.62	677.48	0.487	Level 1	
18,700.00	6,840.00	18,765.81	6,840.00	342.55	342.41	-89.83	-1,888.20	-13,499.14	329.85	-353.03	682.88	0.483	Level 1	
18,800.00	6,840.00	18,865.81	6,840.00	345.25	345.10	-89.83	-1,887.70	-13,599.13	329.84	-358.45	688.29	0.479	Level 1	
18,900.00	6,840.00	18,965.81	6,840.00	347.94	347.79	-89.83	-1,887.21	-13,699.13	329.83	-363.87	693.70	0.475	Level 1	
19,000.00	6,840.00	19,065.81	6,840.00	350.64	350.49	-89.83	-1,886.72	-13,799.13	329.82	-369.28	699.11	0.472	Level 1	
19,100.00	6,840.00	19,165.81	6,840.00	353.34	353.18	-89.83	-1,886.22	-13,899.13	329.82	-374.70	704.52	0.468	Level 1	
19,200.00	6,840.00	19,265.81	6,840.00	356.04	355.88	-89.83	-1,885.73	-13,999.13	329.81	-380.12	709.93	0.465	Level 1	
19,300.00	6,840.00	19,365.81	6,840.00	358.74	358.57	-89.83	-1,885.23	-14,099.13	329.80	-385.54	715.34	0.461	Level 1	
19,400.00	6,840.00	19,465.81	6,840.00	361.44	361.27	-89.83	-1,884.74	-14,199.13	329.79	-390.96	720.75	0.458	Level 1	
19,500.00	6,840.00	19,565.81	6,840.00	364.13	363.96	-89.83	-1,884.24	-14,299.13	329.78	-396.38	726.16	0.454	Level 1	
19,600.00	6,840.00	19,665.81	6,840.00	366.83	366.66	-89.83	-1,883.75	-14,399.13	329.77	-401.80	731.57	0.451	Level 1	
19,700.00	6,840.00	19,765.81	6,840.00	369.53	369.36	-89.83	-1,883.25	-14,499.12	329.76	-407.22	736.98	0.447	Level 1	
19,800.00	6,840.00	19,865.81	6,840.00	372.23	372.06	-89.83	-1,882.76	-14,599.12	329.76	-412.64	742.40	0.444	Level 1	
19,900.00	6,840.00	19,965.81	6,840.00	374.94	374.75	-89.83	-1,882.27	-14,699.12	329.75	-418.06	747.81	0.441	Level 1	
20,000.00	6,840.00	20,065.81	6,840.00	377.64	377.45	-89.83	-1,881.77	-14,799.12	329.74	-423.48	753.22	0.438	Level 1	
20,100.00	6,840.00	20,165.81	6,840.00	380.34	380.15	-89.83	-1,881.28	-14,899.12	329.73	-428.91	758.64	0.435	Level 1	
20,200.00	6,840.00	20,265.81	6,840.00	383.04	382.85	-89.83	-1,880.78	-14,999.12	329.72	-434.33	764.05	0.432	Level 1	
20,300.00	6,840.00	20,365.81	6,840.00	385.74	385.55	-89.83	-1,880.29	-15,099.12	329.71	-439.75	769.47	0.428	Level 1	
20,400.00	6,840.00	20,465.81	6,840.00	388.44	388.25	-89.83	-1,879.79	-15,199.12	329.70	-445.18	774.88	0.425	Level 1	
20,500.00	6,840.00	20,565.81	6,840.00	391.14	390.95	-89.83	-1,879.30	-15,299.11	329.70	-450.60	780.30	0.423	Level 1	
20,550.60	6,840.00	20,616.42	6,840.00	392.51	392.31	-89.83	-1,879.05	-15,349.72	329.69	-453.34	783.04	0.421	Level 1	
20,552.28	6,840.00	20,616.38	6,840.00	392.56	392.31	-89.83	-1,879.05	-15,349.68	329.70	-453.65	783.34	0.421	Level 1, ES, SF	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT DABNEY G 25-3 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-48.67	2,525.51	-2,871.82	3,824.92					
100.00	100.00	37.32	37.32	0.13	0.04	-48.67	2,525.55	-2,871.75	3,824.32	3,824.15	0.17	N/A		
200.00	200.00	146.77	146.77	0.49	0.16	-48.66	2,526.04	-2,870.95	3,824.06	3,823.40	0.65	5,874.974		
300.00	300.00	258.71	258.70	0.85	0.28	-48.64	2,526.54	-2,869.80	3,823.59	3,822.46	1.13	3,385.689		
400.00	399.98	383.26	383.24	1.20	0.38	79.49	2,526.88	-2,867.89	3,822.30	3,820.73	1.56	2,442.736		
500.00	499.84	481.87	481.82	1.55	0.44	79.64	2,527.13	-2,865.89	3,820.00	3,818.03	1.97	1,939.745		
600.00	599.45	581.62	581.56	1.91	0.50	79.84	2,527.37	-2,863.98	3,817.17	3,814.78	2.38	1,600.528		
700.00	698.70	686.03	685.94	2.29	0.56	80.12	2,527.61	-2,861.88	3,813.68	3,810.86	2.82	1,353.063		
800.00	797.47	775.92	775.82	2.70	0.60	80.42	2,527.54	-2,860.33	3,809.65	3,806.39	3.27	1,165.661		
900.00	895.62	866.19	866.08	3.14	0.64	80.77	2,527.40	-2,859.15	3,805.39	3,801.64	3.75	1,015.506		
1,000.00	993.06	964.74	964.63	3.62	0.69	81.21	2,527.17	-2,858.08	3,800.79	3,796.52	4.26	891.299		
1,100.00	1,089.64	1,063.58	1,063.46	4.14	0.73	81.69	2,526.71	-2,857.07	3,795.71	3,790.89	4.82	787.247		
1,200.00	1,185.27	1,158.60	1,158.47	4.70	0.77	82.22	2,526.14	-2,856.21	3,790.32	3,784.89	5.42	698.986		
1,300.00	1,279.82	1,249.59	1,249.46	5.31	0.80	82.77	2,525.51	-2,855.52	3,784.74	3,778.67	6.07	623.754		
1,400.00	1,373.17	1,338.23	1,338.10	5.98	0.84	83.36	2,524.97	-2,854.93	3,779.15	3,772.38	6.77	558.574		
1,500.00	1,465.22	1,425.61	1,425.47	6.70	0.87	83.98	2,524.40	-2,854.52	3,773.63	3,766.11	7.52	502.045		
1,600.00	1,556.72	1,509.63	1,509.49	7.45	0.90	84.49	2,523.98	-2,854.19	3,768.51	3,760.21	8.30	454.054		
1,700.00	1,648.21	1,590.40	1,590.26	8.21	0.93	84.98	2,523.75	-2,853.98	3,764.05	3,754.96	9.10	413.856		
1,800.00	1,739.71	1,687.28	1,687.14	8.99	0.96	85.57	2,523.41	-2,853.94	3,760.11	3,750.21	9.90	379.757		
1,900.00	1,831.20	1,784.70	1,784.55	9.77	0.98	86.17	2,522.79	-2,853.94	3,756.42	3,745.71	10.72	350.553		
2,000.00	1,922.69	1,876.82	1,876.68	10.56	1.01	86.73	2,522.21	-2,853.81	3,753.08	3,741.55	11.54	325.339		
2,100.00	2,014.19	1,969.17	1,969.02	11.35	1.04	87.29	2,521.67	-2,853.63	3,750.16	3,737.80	12.36	303.380		
2,200.00	2,105.68	2,072.84	2,072.69	12.14	1.08	87.93	2,521.05	-2,853.23	3,747.56	3,734.36	13.19	284.060		
2,300.00	2,197.18	2,168.57	2,168.41	12.94	1.11	88.53	2,520.47	-2,852.42	3,745.10	3,731.08	14.02	267.035		
2,400.00	2,288.67	2,269.97	2,269.81	13.74	1.15	89.16	2,519.83	-2,851.43	3,742.99	3,728.13	14.86	251.883		
2,500.00	2,380.17	2,362.81	2,362.64	14.54	1.18	89.73	2,518.97	-2,850.50	3,741.09	3,725.40	15.69	238.373		
2,600.00	2,471.66	2,456.29	2,456.11	15.35	1.21	90.31	2,518.08	-2,849.65	3,739.67	3,723.14	16.53	226.249		
2,700.00	2,563.16	2,550.91	2,550.72	16.15	1.24	90.90	2,516.84	-2,849.02	3,738.56	3,721.20	17.36	215.308		
2,800.00	2,654.65	2,643.40	2,643.20	16.96	1.27	91.46	2,515.48	-2,848.57	3,737.87	3,719.67	18.20	205.403		
2,900.00	2,746.15	2,739.51	2,739.29	17.76	1.31	92.05	2,514.11	-2,847.96	3,737.55	3,718.52	19.03	196.381		
2,975.84	2,815.53	2,816.00	2,815.78	18.38	1.33	92.52	2,512.85	-2,847.47	3,737.47	3,717.80	19.67	190.051 CC		
3,000.00	2,837.64	2,836.59	2,836.37	18.57	1.34	92.64	2,512.50	-2,847.34	3,737.49	3,717.62	19.87	188.134		
3,100.00	2,929.14	2,928.97	2,928.73	19.38	1.37	93.21	2,510.98	-2,846.68	3,737.81	3,717.12	20.70	180.598		
3,200.00	3,020.63	3,022.94	3,022.68	20.19	1.40	93.78	2,509.10	-2,846.38	3,738.51	3,716.99	21.53	173.677 ES		
3,300.00	3,112.13	3,111.04	3,110.76	21.00	1.42	94.31	2,507.21	-2,846.29	3,739.62	3,717.27	22.35	167.318		
3,400.00	3,203.62	3,183.51	3,183.22	21.81	1.44	94.74	2,505.80	-2,846.45	3,741.47	3,718.30	23.17	161.500		
3,500.00	3,295.12	3,254.17	3,253.87	22.63	1.45	95.16	2,504.65	-2,846.96	3,744.21	3,720.24	23.98	156.163		
3,600.00	3,386.61	3,330.22	3,329.90	23.44	1.46	95.61	2,503.66	-2,847.94	3,747.87	3,723.09	24.78	151.237		
3,700.00	3,478.10	3,420.02	3,419.69	24.25	1.47	96.14	2,502.59	-2,849.28	3,752.14	3,726.55	25.58	146.654		
3,800.00	3,569.60	3,524.05	3,523.69	25.06	1.49	96.75	2,501.25	-2,850.78	3,756.68	3,730.29	26.39	142.352		
3,900.00	3,661.09	3,635.70	3,635.32	25.88	1.51	97.40	2,499.45	-2,851.95	3,761.17	3,733.97	27.20	138.287		
4,000.00	3,752.59	3,735.40	3,735.00	26.69	1.54	97.99	2,497.54	-2,852.78	3,765.72	3,737.72	28.00	134.474		
4,100.00	3,844.08	3,827.54	3,827.12	27.50	1.56	98.53	2,495.74	-2,853.49	3,770.60	3,741.80	28.80	130.908		
4,200.00	3,935.58	3,919.34	3,918.90	28.32	1.58	99.06	2,493.93	-2,854.26	3,775.89	3,746.29	29.60	127.563		
4,300.00	4,027.07	4,014.09	4,013.63	29.13	1.60	99.61	2,492.05	-2,855.05	3,781.55	3,751.15	30.39	124.417		
4,400.00	4,118.57	4,116.65	4,116.16	29.95	1.63	100.21	2,489.77	-2,855.95	3,787.42	3,756.23	31.19	121.442		
4,500.00	4,210.06	4,208.34	4,207.82	30.76	1.65	100.73	2,487.57	-2,856.87	3,793.58	3,761.60	31.97	118.649		
4,600.00	4,301.56	4,298.41	4,297.85	31.58	1.67	101.24	2,485.25	-2,858.14	3,800.13	3,767.37	32.75	116.021		
4,700.00	4,393.05	4,383.63	4,383.03	32.39	1.69	101.72	2,482.99	-2,859.70	3,807.16	3,773.63	33.53	113.553		
4,800.00	4,484.55	4,465.61	4,464.96	33.21	1.71	102.17	2,480.91	-2,861.45	3,814.75	3,780.46	34.29	111.234		
4,900.00	4,576.04	4,550.92	4,550.22	34.02	1.73	102.64	2,478.88	-2,863.52	3,822.95	3,787.89	35.06	109.047		
5,000.00	4,667.54	4,664.58	4,663.81	34.84	1.75	103.26	2,476.05	-2,866.45	3,831.48	3,795.65	35.83	106.945		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT DABNEY G 25-3 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,759.03	4,753.72	4,752.87	35.65	1.77	103.74	2,473.30	-2,868.71	3,839.80	3,803.22	36.58	104.959		
5,200.00	4,850.53	4,822.27	4,821.35	36.47	1.78	104.10	2,471.29	-2,871.11	3,848.95	3,811.62	37.33	103.111		
5,300.00	4,942.02	4,885.94	4,884.94	37.28	1.79	104.42	2,469.67	-2,873.97	3,859.08	3,821.02	38.06	101.387		
5,400.00	5,033.51	4,981.04	4,979.87	38.10	1.81	104.90	2,467.37	-2,879.09	3,869.94	3,831.13	38.81	99.723		
5,500.00	5,125.01	5,051.26	5,049.95	38.92	1.82	105.25	2,465.59	-2,883.23	3,881.18	3,841.65	39.53	98.174		
5,600.00	5,216.50	5,113.68	5,112.23	39.73	1.83	105.55	2,464.47	-2,887.12	3,893.44	3,853.19	40.25	96.732		
5,700.00	5,308.00	5,175.29	5,173.73	40.55	1.83	105.85	2,463.93	-2,890.89	3,906.74	3,865.78	40.96	95.390		
5,800.00	5,399.49	5,254.43	5,252.75	41.36	1.84	106.25	2,463.99	-2,895.29	3,920.95	3,879.28	41.66	94.112		
5,900.00	5,490.99	5,354.22	5,352.44	42.18	1.85	106.77	2,464.58	-2,899.51	3,935.51	3,893.13	42.37	92.881		
6,000.00	5,582.48	5,456.89	5,455.07	43.00	1.85	107.32	2,465.37	-2,902.37	3,950.09	3,907.02	43.07	91.708		
6,100.00	5,673.98	5,542.70	5,540.86	43.81	1.85	107.78	2,466.16	-2,904.14	3,964.93	3,921.17	43.76	90.614		
6,200.00	5,765.47	5,620.17	5,618.31	44.63	1.85	108.21	2,467.32	-2,905.22	3,980.42	3,935.99	44.43	89.597		
6,300.00	5,856.97	5,702.51	5,700.63	45.45	1.84	108.67	2,469.00	-2,905.71	3,996.51	3,951.42	45.09	88.637		
6,400.00	5,948.46	5,785.75	5,783.84	46.26	1.84	109.14	2,471.12	-2,905.41	4,013.14	3,967.40	45.74	87.730		
6,500.00	6,039.96	5,944.51	5,942.55	47.08	1.84	110.05	2,474.40	-2,903.16	4,029.46	3,983.03	46.43	86.778		
6,600.00	6,131.45	6,097.45	6,095.43	47.90	1.85	110.94	2,475.67	-2,899.14	4,044.86	3,997.74	47.12	85.842		
6,700.00	6,222.95	6,157.20	6,155.16	48.71	1.86	111.28	2,475.88	-2,897.46	4,060.13	4,012.38	47.76	85.016		
6,800.00	6,314.44	6,229.60	6,227.53	49.53	1.87	111.69	2,476.65	-2,895.73	4,076.47	4,028.08	48.39	84.237		
6,900.00	6,405.93	6,336.45	6,334.36	50.35	1.88	112.29	2,477.44	-2,893.72	4,093.04	4,044.00	49.04	83.462		
7,000.00	6,497.01	6,428.49	6,426.38	51.18	1.89	107.20	2,477.95	-2,891.89	4,109.41	4,059.71	49.69	82.698		
7,100.00	6,582.62	6,511.07	6,508.94	52.20	1.90	97.93	2,478.41	-2,890.47	4,121.83	4,071.32	50.51	81.606		
7,200.00	6,659.25	6,603.01	6,600.88	53.42	1.91	93.07	2,478.71	-2,888.98	4,129.24	4,077.71	51.54	80.122		
7,300.00	6,724.59	6,664.30	6,662.16	54.84	1.92	90.40	2,478.81	-2,887.97	4,132.08	4,079.34	52.74	78.354		
7,400.00	6,776.64	6,713.14	6,710.99	56.40	1.93	89.19	2,478.92	-2,887.18	4,130.97	4,076.88	54.09	76.376		
7,500.00	6,813.82	6,747.61	6,745.45	58.08	1.93	88.92	2,479.00	-2,886.67	4,126.46	4,070.90	55.55	74.280		
7,600.00	6,835.01	6,766.84	6,764.68	59.82	1.94	89.30	2,479.04	-2,886.41	4,119.04	4,061.96	57.08	72.158		
7,700.00	6,840.00	6,770.45	6,768.29	61.57	1.94	89.93	2,479.05	-2,886.36	4,109.28	4,050.66	58.62	70.096		
7,800.00	6,840.00	6,769.21	6,767.05	63.35	1.94	89.92	2,479.05	-2,886.38	4,100.55	4,040.37	60.18	68.138		
7,900.00	6,840.00	6,767.95	6,765.80	65.20	1.94	89.90	2,479.04	-2,886.39	4,094.24	4,032.48	61.76	66.292		
8,000.00	6,840.00	6,766.69	6,764.53	67.10	1.94	89.88	2,479.04	-2,886.41	4,090.36	4,027.00	63.36	64.558		
8,100.00	6,840.00	6,765.41	6,763.25	69.05	1.94	89.86	2,479.04	-2,886.43	4,088.93	4,023.96	64.97	62.937		
8,108.67	6,840.00	6,765.29	6,763.14	69.23	1.94	89.86	2,479.04	-2,886.43	4,088.92	4,023.81	65.11	62.800		
8,200.00	6,840.00	6,764.11	6,761.96	71.06	1.94	89.85	2,479.03	-2,886.44	4,089.94	4,023.35	66.58	61.426		
8,300.00	6,840.00	6,762.80	6,760.65	73.11	1.94	89.83	2,479.03	-2,886.46	4,093.39	4,025.19	68.20	60.023		
8,400.00	6,840.00	6,761.48	6,759.33	75.21	1.94	89.81	2,479.03	-2,886.48	4,099.28	4,029.48	69.80	58.725		
8,500.00	6,840.00	6,760.15	6,757.99	77.34	1.94	89.79	2,479.03	-2,886.50	4,107.60	4,036.20	71.40	57.530		
8,600.00	6,840.00	6,758.80	6,756.64	79.51	1.94	89.77	2,479.02	-2,886.51	4,118.33	4,045.35	72.98	56.433		
8,700.00	6,840.00	6,757.43	6,755.27	81.72	1.94	89.75	2,479.02	-2,886.53	4,131.45	4,056.91	74.53	55.430		
8,800.00	6,840.00	6,756.05	6,753.89	83.95	1.93	89.73	2,479.02	-2,886.55	4,146.94	4,070.87	76.07	54.518		
8,900.00	6,840.00	6,754.65	6,752.50	86.22	1.93	89.71	2,479.01	-2,886.57	4,164.77	4,087.21	77.57	53.692		
9,000.00	6,840.00	6,753.24	6,751.09	88.51	1.93	89.69	2,479.01	-2,886.59	4,184.92	4,105.88	79.04	52.949		
9,100.00	6,840.00	6,751.81	6,749.66	90.83	1.93	89.67	2,479.01	-2,886.61	4,207.35	4,126.88	80.47	52.284		
9,200.00	6,840.00	6,750.37	6,748.21	93.16	1.93	89.65	2,479.00	-2,886.63	4,232.03	4,150.16	81.87	51.693		
9,300.00	6,840.00	6,748.91	6,746.75	95.52	1.93	89.63	2,479.00	-2,886.65	4,258.90	4,175.68	83.22	51.174		
9,400.00	6,840.00	6,747.43	6,745.28	97.90	1.93	89.61	2,479.00	-2,886.67	4,287.95	4,203.41	84.54	50.722		
9,500.00	6,840.00	6,745.94	6,743.78	100.30	1.93	89.59	2,478.99	-2,886.69	4,319.11	4,233.30	85.81	50.334		
9,600.00	6,840.00	6,744.43	6,742.27	102.72	1.93	89.57	2,478.99	-2,886.71	4,352.35	4,265.31	87.04	50.006		
9,700.00	6,840.00	6,742.90	6,740.75	105.15	1.93	89.55	2,478.98	-2,886.73	4,387.61	4,299.39	88.22	49.735		
9,800.00	6,840.00	6,741.35	6,739.20	107.59	1.93	89.53	2,478.98	-2,886.75	4,424.85	4,335.50	89.36	49.519		
9,900.00	6,840.00	6,739.79	6,737.64	110.05	1.93	89.50	2,478.98	-2,886.78	4,464.03	4,373.58	90.45	49.354		
10,000.00	6,840.00	6,738.21	6,736.05	112.52	1.93	89.48	2,478.97	-2,886.80	4,505.08	4,413.58	91.49	49.239		
10,100.00	6,840.00	6,736.60	6,734.45	115.00	1.93	89.46	2,478.97	-2,886.82	4,547.96	4,455.46	92.50	49.169		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT DABNEY G 25-3 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,200.00	6,840.00	6,734.98	6,732.83	117.50	1.93	89.44	2,478.97	-2,886.84	4,592.61	4,499.16	93.45	49.143 SF		
10,300.00	6,840.00	6,733.34	6,731.19	120.00	1.93	89.41	2,478.96	-2,886.87	4,639.00	4,544.63	94.37	49.159		
10,400.00	6,840.00	6,731.68	6,729.53	122.51	1.93	89.39	2,478.96	-2,886.89	4,687.05	4,591.81	95.24	49.214		
10,500.00	6,840.00	6,730.00	6,727.85	125.04	1.93	89.37	2,478.96	-2,886.92	4,736.73	4,640.67	96.07	49.307		
10,600.00	6,840.00	6,728.30	6,726.15	127.57	1.93	89.34	2,478.95	-2,886.94	4,787.98	4,691.13	96.85	49.435		
10,700.00	6,840.00	6,726.58	6,724.43	130.11	1.93	89.32	2,478.95	-2,886.97	4,840.76	4,743.16	97.60	49.597		
10,800.00	6,840.00	6,724.84	6,722.68	132.66	1.93	89.29	2,478.94	-2,887.00	4,895.01	4,796.70	98.31	49.791		
10,900.00	6,840.00	6,723.07	6,720.92	135.21	1.93	89.27	2,478.94	-2,887.02	4,950.68	4,851.70	98.98	50.016		
11,000.00	6,840.00	6,721.28	6,719.13	137.77	1.93	89.25	2,478.94	-2,887.05	5,007.73	4,908.12	99.62	50.269		
11,100.00	6,840.00	6,719.47	6,717.32	140.34	1.93	89.22	2,478.93	-2,887.08	5,066.12	4,965.90	100.22	50.550		
11,200.00	6,840.00	6,717.64	6,715.49	142.91	1.93	89.19	2,478.93	-2,887.11	5,125.79	5,025.00	100.79	50.857		
11,300.00	6,840.00	6,715.78	6,713.63	145.49	1.93	89.17	2,478.92	-2,887.13	5,186.70	5,085.37	101.32	51.189		
11,400.00	6,840.00	6,713.90	6,711.75	148.07	1.93	89.14	2,478.92	-2,887.16	5,248.80	5,146.97	101.83	51.544		
11,500.00	6,840.00	6,712.00	6,709.85	150.66	1.93	89.12	2,478.91	-2,887.19	5,312.07	5,209.76	102.31	51.923		
11,600.00	6,840.00	6,710.07	6,707.92	153.25	1.93	89.09	2,478.91	-2,887.22	5,376.44	5,273.69	102.76	52.323		
11,700.00	6,840.00	6,708.11	6,705.96	155.85	1.93	89.06	2,478.90	-2,887.26	5,441.90	5,338.72	103.18	52.743		
11,800.00	6,840.00	6,706.13	6,703.98	158.45	1.93	89.03	2,478.90	-2,887.29	5,508.39	5,404.82	103.57	53.183		
11,900.00	6,840.00	6,704.13	6,701.98	161.06	1.93	89.00	2,478.90	-2,887.32	5,575.88	5,471.93	103.95	53.642		
12,000.00	6,840.00	6,702.09	6,699.94	163.67	1.93	88.98	2,478.89	-2,887.35	5,644.34	5,540.04	104.30	54.118		
12,100.00	6,840.00	6,700.03	6,697.88	166.28	1.93	88.95	2,478.89	-2,887.39	5,713.72	5,609.10	104.62	54.612		
12,200.00	6,840.00	6,698.43	6,696.28	168.90	1.93	88.93	2,478.88	-2,887.41	5,784.00	5,679.07	104.93	55.122		
12,300.00	6,840.00	6,696.84	6,694.69	171.52	1.93	88.90	2,478.88	-2,887.44	5,855.15	5,749.93	105.22	55.647		
12,400.00	6,840.00	6,695.25	6,693.10	174.15	1.93	88.88	2,478.88	-2,887.46	5,927.13	5,821.64	105.49	56.187		
12,500.00	6,840.00	6,693.65	6,691.50	176.77	1.93	88.86	2,478.87	-2,887.49	5,999.91	5,894.16	105.74	56.741		
12,600.00	6,840.00	6,692.06	6,689.91	179.40	1.93	88.84	2,478.87	-2,887.52	6,073.46	5,967.48	105.98	57.309		
12,700.00	6,840.00	6,690.46	6,688.32	182.04	1.92	88.81	2,478.87	-2,887.54	6,147.76	6,041.56	106.20	57.890		
12,800.00	6,840.00	6,688.87	6,686.72	184.67	1.92	88.79	2,478.86	-2,887.57	6,222.78	6,116.38	106.40	58.484		
12,900.00	6,840.00	6,687.28	6,685.13	187.31	1.92	88.77	2,478.86	-2,887.60	6,298.50	6,191.90	106.59	59.089		
13,000.00	6,840.00	6,685.68	6,683.53	189.95	1.92	88.75	2,478.85	-2,887.62	6,374.88	6,268.11	106.77	59.706		
13,100.00	6,840.00	6,684.09	6,681.94	192.59	1.92	88.72	2,478.85	-2,887.65	6,451.91	6,344.97	106.94	60.334		
13,200.00	6,840.00	6,682.49	6,680.34	195.24	1.92	88.70	2,478.85	-2,887.67	6,529.56	6,422.47	107.09	60.973		
13,300.00	6,840.00	6,680.89	6,678.75	197.88	1.92	88.68	2,478.84	-2,887.70	6,607.81	6,500.58	107.23	61.621		
13,400.00	6,840.00	6,679.30	6,677.15	200.53	1.92	88.66	2,478.84	-2,887.73	6,686.64	6,579.28	107.36	62.280		
13,500.00	6,840.00	6,677.70	6,675.56	203.18	1.92	88.63	2,478.84	-2,887.75	6,766.03	6,658.54	107.49	62.948		
13,600.00	6,840.00	6,676.10	6,673.96	205.83	1.92	88.61	2,478.83	-2,887.78	6,845.96	6,738.36	107.60	63.625		
13,700.00	6,840.00	6,674.51	6,672.36	208.49	1.92	88.59	2,478.83	-2,887.81	6,926.41	6,818.71	107.70	64.310		
13,800.00	6,840.00	6,672.91	6,670.77	211.14	1.92	88.57	2,478.83	-2,887.83	7,007.36	6,899.56	107.80	65.004		
13,900.00	6,840.00	6,671.31	6,669.17	213.80	1.92	88.55	2,478.82	-2,887.86	7,088.80	6,980.91	107.89	65.705		
14,000.00	6,840.00	6,669.71	6,667.57	216.46	1.92	88.52	2,478.82	-2,887.88	7,170.71	7,062.74	107.97	66.415		
14,100.00	6,840.00	6,668.12	6,665.97	219.12	1.92	88.50	2,478.82	-2,887.91	7,253.07	7,145.03	108.04	67.131		
14,200.00	6,840.00	6,666.52	6,664.37	221.78	1.92	88.48	2,478.81	-2,887.94	7,335.87	7,227.76	108.11	67.855		
14,300.00	6,840.00	6,664.92	6,662.77	224.45	1.92	88.46	2,478.81	-2,887.96	7,419.10	7,310.92	108.17	68.586		
14,400.00	6,840.00	6,663.32	6,661.18	227.11	1.92	88.43	2,478.81	-2,887.99	7,502.73	7,394.50	108.23	69.323		
14,500.00	6,840.00	6,661.72	6,659.58	229.78	1.92	88.41	2,478.81	-2,888.02	7,586.76	7,478.48	108.28	70.066		
14,600.00	6,840.00	6,660.12	6,657.98	232.45	1.92	88.39	2,478.80	-2,888.04	7,671.17	7,562.85	108.33	70.816		
14,700.00	6,840.00	6,658.52	6,656.38	235.12	1.92	88.37	2,478.80	-2,888.07	7,755.95	7,647.59	108.37	71.571		
14,800.00	6,840.00	6,656.92	6,654.78	237.79	1.92	88.34	2,478.80	-2,888.10	7,841.09	7,732.69	108.40	72.332		
14,900.00	6,840.00	6,655.32	6,653.18	240.46	1.92	88.32	2,478.79	-2,888.12	7,926.58	7,818.14	108.44	73.099		
15,000.00	6,840.00	6,653.72	6,651.57	243.13	1.92	88.30	2,478.79	-2,888.15	8,012.40	7,903.94	108.47	73.871		
15,100.00	6,840.00	6,652.12	6,649.97	245.80	1.92	88.28	2,478.79	-2,888.17	8,098.55	7,990.06	108.49	74.647		
15,200.00	6,840.00	6,650.51	6,648.37	248.48	1.92	88.25	2,478.78	-2,888.20	8,185.01	8,076.50	108.51	75.429		
15,300.00	6,840.00	6,648.91	6,646.77	251.15	1.92	88.23	2,478.78	-2,888.23	8,271.78	8,163.25	108.53	76.215		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT DABNEY G 25-3 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,400.00	6,840.00	6,647.31	6,645.17	253.83	1.92	88.21	2,478.78	-2,888.25	8,358.84	8,250.29	108.55	77.006	
15,500.00	6,840.00	6,645.71	6,643.57	256.51	1.92	88.19	2,478.78	-2,888.28	8,446.19	8,337.63	108.56	77.801	
15,600.00	6,840.00	6,644.10	6,641.96	259.19	1.92	88.16	2,478.77	-2,888.31	8,533.82	8,425.25	108.57	78.601	
15,700.00	6,840.00	6,642.50	6,640.36	261.87	1.92	88.14	2,478.77	-2,888.33	8,621.71	8,513.13	108.58	79.404	
15,800.00	6,840.00	6,640.90	6,638.76	264.55	1.92	88.12	2,478.77	-2,888.36	8,709.87	8,601.28	108.59	80.211	
15,900.00	6,840.00	6,639.29	6,637.15	267.23	1.92	88.10	2,478.76	-2,888.39	8,798.28	8,689.69	108.59	81.022	
16,000.00	6,840.00	6,637.69	6,635.55	269.91	1.92	88.07	2,478.76	-2,888.41	8,886.93	8,778.34	108.59	81.837	
16,100.00	6,840.00	6,636.08	6,633.94	272.59	1.92	88.05	2,478.76	-2,888.44	8,975.82	8,867.23	108.59	82.655	
16,200.00	6,840.00	6,634.48	6,632.34	275.28	1.92	88.03	2,478.76	-2,888.46	9,064.95	8,956.36	108.59	83.477	
16,300.00	6,840.00	6,632.87	6,630.74	277.96	1.92	88.01	2,478.75	-2,888.49	9,154.30	9,045.71	108.59	84.301	
16,400.00	6,840.00	6,631.27	6,629.13	280.64	1.92	87.98	2,478.75	-2,888.52	9,243.86	9,135.28	108.59	85.129	
16,500.00	6,840.00	6,629.66	6,627.52	283.33	1.92	87.96	2,478.75	-2,888.54	9,333.64	9,225.06	108.58	85.960	
16,600.00	6,840.00	6,628.06	6,625.92	286.02	1.91	87.94	2,478.74	-2,888.57	9,423.62	9,315.05	108.57	86.794	
16,700.00	6,840.00	6,626.45	6,624.31	288.70	1.91	87.92	2,478.74	-2,888.60	9,513.81	9,405.24	108.57	87.631	
16,800.00	6,840.00	6,624.84	6,622.71	291.39	1.91	87.89	2,478.74	-2,888.62	9,604.18	9,495.63	108.56	88.470	
16,900.00	6,840.00	6,623.24	6,621.10	294.08	1.91	87.87	2,478.74	-2,888.65	9,694.75	9,586.20	108.55	89.312	
17,000.00	6,840.00	6,621.63	6,619.49	296.77	1.91	87.85	2,478.73	-2,888.68	9,785.50	9,676.96	108.54	90.156	
17,100.00	6,840.00	6,620.02	6,617.88	299.46	1.91	87.83	2,478.73	-2,888.70	9,876.43	9,767.90	108.53	91.003	
17,200.00	6,840.00	6,618.41	6,616.28	302.14	1.91	87.80	2,478.73	-2,888.73	9,967.53	9,859.01	108.52	91.852	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT DABNEY G 25-6 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-67.12	1,210.01	-2,866.67	3,112.34					
100.00	100.00	23.83	23.83	0.13	0.02	-67.12	1,210.01	-2,866.70	3,111.61	3,111.46	0.16	N/A		
200.00	200.00	101.01	101.01	0.49	0.10	-67.12	1,209.99	-2,867.21	3,112.22	3,111.63	0.59	5,274.704		
300.00	300.00	211.03	211.02	0.85	0.25	-67.12	1,210.08	-2,868.13	3,113.02	3,111.92	1.10	2,833.619		
400.00	399.98	311.81	311.80	1.20	0.33	60.96	1,210.21	-2,868.77	3,112.81	3,111.28	1.52	2,042.055		
500.00	499.84	411.69	411.67	1.55	0.40	61.07	1,210.28	-2,869.44	3,110.91	3,108.97	1.94	1,604.898		
600.00	599.45	520.39	520.38	1.91	0.46	61.28	1,210.03	-2,870.04	3,107.11	3,104.75	2.36	1,318.398		
700.00	698.70	613.43	613.42	2.29	0.51	61.55	1,209.75	-2,870.59	3,101.67	3,098.89	2.78	1,114.437		
800.00	797.47	706.15	706.13	2.70	0.55	61.90	1,209.66	-2,871.26	3,094.82	3,091.59	3.23	958.362		
900.00	895.62	796.59	796.57	3.14	0.60	62.32	1,209.60	-2,872.13	3,086.62	3,082.92	3.70	834.311		
1,000.00	993.06	892.07	892.04	3.62	0.65	62.84	1,209.38	-2,873.28	3,077.08	3,072.88	4.20	732.517		
1,100.00	1,089.64	994.48	994.44	4.14	0.69	63.46	1,208.95	-2,874.55	3,066.04	3,061.30	4.74	647.227		
1,200.00	1,185.27	1,090.65	1,090.60	4.70	0.74	64.15	1,208.47	-2,875.67	3,053.53	3,048.22	5.31	575.156		
1,300.00	1,279.82	1,182.02	1,181.97	5.31	0.78	64.89	1,208.03	-2,876.77	3,039.80	3,033.88	5.92	513.269		
1,400.00	1,373.17	1,264.20	1,264.14	5.98	0.81	65.66	1,207.62	-2,877.99	3,025.11	3,018.53	6.58	459.700		
1,500.00	1,465.22	1,349.72	1,349.65	6.70	0.85	66.49	1,207.36	-2,879.54	3,009.72	3,002.43	7.29	412.703		
1,600.00	1,556.72	1,440.25	1,440.15	7.45	0.89	67.12	1,207.22	-2,881.21	2,994.27	2,986.23	8.04	372.457		
1,700.00	1,648.21	1,530.80	1,530.69	8.21	0.92	67.76	1,207.06	-2,882.93	2,979.29	2,970.49	8.80	338.444		
1,800.00	1,739.71	1,621.10	1,620.97	8.99	0.96	68.40	1,206.98	-2,884.69	2,964.81	2,955.23	9.58	309.464		
1,900.00	1,831.20	1,712.52	1,712.37	9.77	1.00	69.06	1,206.97	-2,886.43	2,950.78	2,940.41	10.37	284.540		
2,000.00	1,922.69	1,795.38	1,795.22	10.56	1.03	69.66	1,207.33	-2,887.99	2,937.38	2,926.22	11.17	263.015		
2,100.00	2,014.19	1,890.45	1,890.27	11.35	1.06	70.37	1,208.25	-2,889.59	2,924.56	2,912.58	11.98	244.128		
2,200.00	2,105.68	1,976.58	1,976.39	12.14	1.09	71.03	1,209.35	-2,890.89	2,912.23	2,899.44	12.80	227.570		
2,300.00	2,197.18	2,064.43	2,064.21	12.94	1.12	71.70	1,210.66	-2,892.30	2,900.58	2,886.96	13.62	212.930		
2,400.00	2,288.67	2,154.67	2,154.44	13.74	1.15	72.40	1,212.24	-2,893.69	2,889.52	2,875.06	14.45	199.932		
2,500.00	2,380.17	2,243.44	2,243.17	14.54	1.17	73.10	1,214.07	-2,894.90	2,879.01	2,863.72	15.29	188.304		
2,600.00	2,471.66	2,330.66	2,330.35	15.35	1.20	73.80	1,216.45	-2,895.86	2,869.19	2,853.06	16.13	177.881		
2,700.00	2,563.16	2,425.14	2,424.79	16.15	1.22	74.57	1,219.37	-2,896.73	2,859.99	2,843.01	16.98	168.472		
2,800.00	2,654.65	2,534.98	2,534.57	16.96	1.24	75.48	1,222.84	-2,897.03	2,850.91	2,833.08	17.83	159.911		
2,900.00	2,746.15	2,634.92	2,634.45	17.76	1.26	76.33	1,226.12	-2,896.57	2,841.98	2,823.30	18.68	152.148		
3,000.00	2,837.64	2,732.45	2,731.93	18.57	1.28	77.16	1,229.34	-2,895.85	2,833.47	2,813.94	19.53	145.074		
3,100.00	2,929.14	2,832.42	2,831.85	19.38	1.30	78.01	1,232.26	-2,894.90	2,825.21	2,804.83	20.39	138.592		
3,200.00	3,020.63	2,922.48	2,921.87	20.19	1.31	78.79	1,234.90	-2,893.93	2,817.51	2,796.27	21.24	132.655		
3,300.00	3,112.13	3,014.83	3,014.18	21.00	1.33	79.58	1,237.36	-2,893.09	2,810.38	2,788.28	22.10	127.192		
3,400.00	3,203.62	3,102.16	3,101.48	21.81	1.35	80.33	1,239.39	-2,892.60	2,803.91	2,780.96	22.95	122.160		
3,500.00	3,295.12	3,202.98	3,202.29	22.63	1.37	81.18	1,241.34	-2,892.22	2,797.95	2,774.14	23.81	117.496		
3,600.00	3,386.61	3,309.58	3,308.87	23.44	1.39	82.08	1,242.87	-2,891.65	2,792.18	2,767.51	24.67	113.174		
3,700.00	3,478.10	3,392.49	3,391.78	24.25	1.40	82.78	1,243.81	-2,891.33	2,786.93	2,761.40	25.53	109.175		
3,800.00	3,569.60	3,486.15	3,485.43	25.06	1.43	83.57	1,244.63	-2,891.31	2,782.34	2,755.96	26.39	105.443		
3,900.00	3,661.09	3,575.26	3,574.54	25.88	1.45	84.31	1,245.28	-2,891.38	2,778.32	2,751.07	27.25	101.969		
4,000.00	3,752.59	3,660.07	3,659.35	26.69	1.47	85.02	1,246.07	-2,891.45	2,775.03	2,746.93	28.10	98.743		
4,100.00	3,844.08	3,749.10	3,748.37	27.50	1.50	85.78	1,247.20	-2,891.49	2,772.54	2,743.58	28.96	95.742		
4,200.00	3,935.58	3,836.67	3,835.94	28.32	1.52	86.53	1,248.47	-2,891.36	2,770.65	2,740.85	29.81	92.944		
4,300.00	4,027.07	3,920.05	3,919.30	29.13	1.54	87.23	1,249.77	-2,891.53	2,769.67	2,739.01	30.66	90.343		
4,400.00	4,118.57	4,015.33	4,014.57	29.95	1.57	88.05	1,251.31	-2,891.67	2,769.30	2,737.80	31.51	87.897		
4,424.28	4,140.79	4,038.25	4,037.49	30.14	1.57	88.24	1,251.66	-2,891.69	2,769.29	2,737.58	31.71	87.327 CC		
4,500.00	4,210.06	4,109.83	4,109.06	30.76	1.59	88.85	1,252.66	-2,891.83	2,769.43	2,737.08	32.35	85.605		
4,600.00	4,301.56	4,196.45	4,195.67	31.58	1.62	89.58	1,253.86	-2,892.07	2,770.20	2,737.01	33.19	83.465 ES		
4,700.00	4,393.05	4,269.99	4,269.20	32.39	1.64	90.20	1,255.01	-2,892.55	2,771.92	2,737.90	34.02	81.483		
4,800.00	4,484.55	4,354.69	4,353.88	33.21	1.67	90.91	1,256.54	-2,893.62	2,774.72	2,739.87	34.85	79.626		
4,900.00	4,576.04	4,445.51	4,444.68	34.02	1.70	91.67	1,258.13	-2,894.85	2,778.14	2,742.46	35.67	77.877		
5,000.00	4,667.54	4,538.67	4,537.81	34.84	1.73	92.43	1,259.62	-2,896.38	2,782.18	2,745.68	36.50	76.234		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT DABNEY G 25-6 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,759.03	4,637.39	4,636.51	35.65	1.76	93.24	1,260.79	-2,898.24	2,786.59	2,749.28	37.31	74.681		
5,200.00	4,850.53	4,735.15	4,734.24	36.47	1.79	94.02	1,261.40	-2,900.53	2,791.36	2,753.23	38.12	73.222		
5,300.00	4,942.02	4,835.08	4,834.14	37.28	1.81	94.80	1,261.57	-2,903.13	2,796.44	2,757.52	38.92	71.845		
5,400.00	5,033.51	4,934.48	4,933.51	38.10	1.84	95.58	1,261.41	-2,905.66	2,801.76	2,762.05	39.72	70.545		
5,500.00	5,125.01	5,029.23	5,028.22	38.92	1.87	96.32	1,261.24	-2,907.87	2,807.48	2,766.98	40.50	69.323		
5,600.00	5,216.50	5,124.41	5,123.38	39.73	1.89	97.06	1,261.00	-2,909.99	2,813.61	2,772.34	41.27	68.170		
5,700.00	5,308.00	5,215.90	5,214.86	40.55	1.91	97.78	1,260.79	-2,911.91	2,820.22	2,778.18	42.04	67.086		
5,800.00	5,399.49	5,303.66	5,302.59	41.36	1.94	98.46	1,260.71	-2,913.72	2,827.44	2,784.65	42.80	66.069		
5,900.00	5,490.99	5,383.43	5,382.34	42.18	1.96	99.08	1,260.91	-2,915.37	2,835.45	2,791.91	43.54	65.123		
6,000.00	5,582.48	5,466.45	5,465.35	43.00	1.99	99.73	1,261.45	-2,917.14	2,844.33	2,800.05	44.28	64.236		
6,100.00	5,673.98	5,542.85	5,541.72	43.81	2.01	100.32	1,262.18	-2,918.92	2,854.06	2,809.05	45.01	63.415		
6,200.00	5,765.47	5,616.41	5,615.25	44.63	2.03	100.89	1,263.46	-2,920.60	2,864.92	2,819.20	45.72	62.662		
6,300.00	5,856.97	5,699.12	5,697.92	45.45	2.06	101.54	1,265.55	-2,921.94	2,876.69	2,830.26	46.43	61.954		
6,400.00	5,948.46	5,781.64	5,780.39	46.26	2.08	102.20	1,268.29	-2,922.44	2,889.27	2,842.14	47.13	61.300		
6,500.00	6,039.96	5,869.93	5,868.61	47.08	2.10	103.10	1,272.42	-2,921.68	2,902.36	2,854.52	47.84	60.664		
6,600.00	6,131.45	6,003.58	6,002.14	47.90	2.12	104.06	1,276.57	-2,918.95	2,915.31	2,866.78	48.54	60.063		
6,700.00	6,222.95	6,127.27	6,125.68	48.71	2.13	105.12	1,280.45	-2,914.15	2,927.94	2,878.72	49.22	59.489		
6,800.00	6,314.44	6,230.75	6,229.07	49.53	2.13	105.99	1,282.64	-2,910.46	2,940.44	2,890.56	49.87	58.958		
6,900.00	6,405.93	6,326.38	6,324.63	50.35	2.14	106.78	1,284.38	-2,907.22	2,953.37	2,902.86	50.51	58.465		
7,000.00	6,497.01	6,443.15	6,441.30	51.18	2.14	102.32	1,286.00	-2,902.68	2,965.87	2,914.70	51.17	57.962		
7,100.00	6,582.62	6,573.61	6,571.65	52.20	2.13	94.40	1,286.15	-2,897.54	2,972.52	2,920.54	51.98	57.182		
7,200.00	6,659.25	6,663.99	6,661.96	53.42	2.13	90.55	1,285.05	-2,894.09	2,972.65	2,919.69	52.96	56.125		
7,300.00	6,724.59	6,730.58	6,728.51	54.84	2.12	88.92	1,283.93	-2,892.04	2,967.97	2,913.87	54.11	54.853		
7,400.00	6,776.64	6,781.08	6,778.98	56.40	2.12	88.67	1,283.02	-2,890.62	2,959.53	2,904.15	55.38	53.438		
7,500.00	6,813.82	6,815.95	6,813.83	58.08	2.12	89.23	1,282.38	-2,889.69	2,948.30	2,891.55	56.75	51.951		
7,600.00	6,835.01	6,834.40	6,832.28	59.82	2.11	90.27	1,282.04	-2,889.21	2,935.14	2,876.98	58.16	50.464		
7,700.00	6,840.00	6,836.80	6,834.67	61.57	2.11	91.26	1,281.99	-2,889.15	2,920.86	2,861.29	59.56	49.038		
7,800.00	6,840.00	6,834.23	6,832.11	63.35	2.11	91.21	1,282.04	-2,889.22	2,908.66	2,847.70	60.96	47.716		
7,900.00	6,840.00	6,831.66	6,829.53	65.20	2.11	91.16	1,282.09	-2,889.28	2,899.85	2,837.50	62.35	46.506		
8,000.00	6,840.00	6,829.07	6,826.95	67.10	2.11	91.11	1,282.14	-2,889.35	2,894.48	2,830.74	63.74	45.409		
8,100.00	6,840.00	6,826.47	6,824.35	69.05	2.11	91.06	1,282.18	-2,889.42	2,892.55	2,827.44	65.11	44.424		
8,105.84	6,840.00	6,826.32	6,824.20	69.17	2.11	91.05	1,282.19	-2,889.42	2,892.54	2,827.35	65.19	44.369		
8,200.00	6,840.00	6,823.86	6,821.74	71.06	2.11	91.01	1,282.23	-2,889.49	2,894.07	2,827.62	66.46	43.548		
8,300.00	6,840.00	6,821.23	6,819.12	73.11	2.12	90.95	1,282.28	-2,889.55	2,899.05	2,831.28	67.77	42.778		
8,400.00	6,840.00	6,818.60	6,816.48	75.21	2.12	90.90	1,282.33	-2,889.62	2,907.45	2,838.41	69.04	42.111		
8,500.00	6,840.00	6,815.95	6,813.83	77.34	2.12	90.85	1,282.38	-2,889.69	2,919.26	2,848.99	70.27	41.545		
8,600.00	6,840.00	6,813.29	6,811.18	79.51	2.12	90.80	1,282.43	-2,889.76	2,934.42	2,862.98	71.44	41.074		
8,700.00	6,840.00	6,811.11	6,809.00	81.72	2.12	90.75	1,282.47	-2,889.82	2,952.89	2,880.33	72.56	40.695		
8,800.00	6,840.00	6,808.31	6,806.20	83.95	2.12	90.70	1,282.52	-2,889.89	2,974.61	2,900.99	73.62	40.404		
8,900.00	6,840.00	6,805.49	6,803.38	86.22	2.12	90.64	1,282.57	-2,889.97	2,999.51	2,924.89	74.62	40.198		
9,000.00	6,840.00	6,802.65	6,800.54	88.51	2.12	90.59	1,282.63	-2,890.04	3,027.50	2,951.95	75.55	40.071		
9,100.00	6,840.00	6,799.79	6,797.68	90.83	2.12	90.53	1,282.68	-2,890.12	3,058.51	2,982.08	76.42	40.021 SF		
9,200.00	6,840.00	6,796.91	6,794.80	93.16	2.12	90.47	1,282.73	-2,890.20	3,092.43	3,015.20	77.23	40.042		
9,300.00	6,840.00	6,794.01	6,791.91	95.52	2.12	90.41	1,282.79	-2,890.27	3,129.19	3,051.21	77.97	40.132		
9,400.00	6,840.00	6,791.09	6,788.99	97.90	2.12	90.36	1,282.84	-2,890.35	3,168.67	3,090.02	78.65	40.286		
9,500.00	6,840.00	6,788.15	6,786.05	100.30	2.12	90.30	1,282.89	-2,890.43	3,210.78	3,131.50	79.28	40.502		
9,600.00	6,840.00	6,785.19	6,783.09	102.72	2.12	90.24	1,282.95	-2,890.51	3,255.41	3,175.58	79.84	40.775		
9,700.00	6,840.00	6,782.20	6,780.11	105.15	2.12	90.18	1,283.00	-2,890.59	3,302.47	3,222.13	80.35	41.103		
9,800.00	6,840.00	6,779.20	6,777.10	107.59	2.12	90.12	1,283.06	-2,890.68	3,351.85	3,271.05	80.80	41.483		
9,900.00	6,840.00	6,776.17	6,774.08	110.05	2.12	90.06	1,283.11	-2,890.76	3,403.45	3,322.25	81.20	41.912		
10,000.00	6,840.00	6,773.13	6,771.03	112.52	2.12	90.00	1,283.17	-2,890.84	3,457.17	3,375.61	81.56	42.387		
10,100.00	6,840.00	6,770.06	6,767.96	115.00	2.12	89.94	1,283.22	-2,890.93	3,512.92	3,431.04	81.88	42.906		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT DABNEY G 25-6 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,200.00	6,840.00	6,766.96	6,764.87	117.50	2.12	89.88	1,283.28	-2,891.01	3,570.59	3,488.44	82.15	43.465		
10,300.00	6,840.00	6,763.85	6,761.76	120.00	2.12	89.82	1,283.34	-2,891.10	3,630.10	3,547.71	82.38	44.064		
10,400.00	6,840.00	6,760.71	6,758.62	122.51	2.12	89.75	1,283.39	-2,891.19	3,691.35	3,608.77	82.58	44.699		
10,500.00	6,840.00	6,757.55	6,755.47	125.04	2.12	89.69	1,283.45	-2,891.27	3,754.27	3,671.52	82.75	45.369		
10,600.00	6,840.00	6,754.37	6,752.28	127.57	2.12	89.63	1,283.51	-2,891.36	3,818.77	3,735.88	82.89	46.072		
10,700.00	6,840.00	6,751.16	6,749.08	130.11	2.12	89.57	1,283.57	-2,891.45	3,884.77	3,801.77	83.00	46.806		
10,800.00	6,840.00	6,747.93	6,745.85	132.66	2.12	89.50	1,283.62	-2,891.55	3,952.20	3,869.11	83.08	47.570		
10,900.00	6,840.00	6,744.67	6,742.59	135.21	2.12	89.44	1,283.68	-2,891.64	4,020.98	3,937.83	83.15	48.361		
11,000.00	6,840.00	6,741.39	6,739.32	137.77	2.12	89.37	1,283.74	-2,891.73	4,091.04	4,007.85	83.19	49.178		
11,100.00	6,840.00	6,738.09	6,736.01	140.34	2.12	89.31	1,283.80	-2,891.83	4,162.33	4,079.12	83.21	50.021		
11,200.00	6,840.00	6,734.76	6,732.69	142.91	2.12	89.24	1,283.86	-2,891.92	4,234.78	4,151.56	83.22	50.887		
11,300.00	6,840.00	6,731.41	6,729.33	145.49	2.12	89.18	1,283.92	-2,892.02	4,308.32	4,225.11	83.21	51.775		
11,400.00	6,840.00	6,728.03	6,725.96	148.07	2.12	89.11	1,283.98	-2,892.12	4,382.91	4,299.72	83.19	52.685		
11,500.00	6,840.00	6,724.62	6,722.55	150.66	2.12	89.04	1,284.04	-2,892.22	4,458.50	4,375.34	83.16	53.614		
11,600.00	6,840.00	6,721.19	6,719.12	153.25	2.12	88.97	1,284.10	-2,892.32	4,535.03	4,451.91	83.12	54.563		
11,700.00	6,840.00	6,717.73	6,715.67	155.85	2.12	88.90	1,284.16	-2,892.42	4,612.45	4,529.39	83.06	55.530		
11,800.00	6,840.00	11,800.00	6,681.36	158.45	2.22	88.23	1,284.70	-2,893.53	4,690.72	4,607.50	83.22	56.365		
11,900.00	6,840.00	11,900.00	6,677.83	161.06	2.22	88.16	1,284.75	-2,893.65	4,769.78	4,686.63	83.15	57.363		
12,000.00	6,840.00	6,714.84	6,712.78	163.67	2.12	88.85	1,284.20	-2,892.51	4,849.67	4,766.80	82.87	58.520		
12,100.00	6,840.00	6,707.66	6,705.60	166.28	2.13	88.71	1,284.33	-2,892.72	4,930.26	4,847.48	82.78	59.555		
12,200.00	6,840.00	6,700.08	6,698.02	168.90	2.13	88.56	1,284.47	-2,892.94	5,011.55	4,928.86	82.69	60.605		
12,300.00	6,840.00	6,692.06	6,690.01	171.52	2.13	88.40	1,284.60	-2,893.18	5,093.50	5,010.90	82.60	61.668		
12,400.00	6,840.00	6,683.56	6,681.52	174.15	2.13	88.23	1,284.74	-2,893.45	5,176.08	5,093.58	82.49	62.745		
12,500.00	6,840.00	6,674.55	6,672.51	176.77	2.13	88.05	1,284.89	-2,893.74	5,259.26	5,176.87	82.39	63.835		
12,600.00	6,840.00	6,664.97	6,662.94	179.40	2.13	87.86	1,285.04	-2,894.06	5,343.00	5,260.72	82.28	64.937		
12,700.00	6,840.00	6,654.76	6,652.74	182.04	2.13	87.66	1,285.19	-2,894.40	5,427.30	5,345.13	82.17	66.051		
12,800.00	6,840.00	6,643.87	6,641.86	184.67	2.13	87.45	1,285.34	-2,894.79	5,512.11	5,430.06	82.05	67.176		
12,900.00	6,840.00	6,632.22	6,630.22	187.31	2.13	87.22	1,285.50	-2,895.22	5,597.42	5,515.48	81.94	68.313		
13,000.00	6,840.00	6,619.74	6,617.74	189.95	2.13	86.97	1,285.66	-2,895.69	5,683.19	5,601.37	81.82	69.460		
13,100.00	6,840.00	6,606.32	6,604.33	192.59	2.13	86.71	1,285.82	-2,896.22	5,769.42	5,687.72	81.70	70.618		
13,200.00	6,840.00	6,596.74	6,594.77	195.24	2.13	86.52	1,285.93	-2,896.60	5,856.08	5,774.49	81.59	71.779		
13,300.00	6,840.00	6,590.89	6,588.92	197.88	2.13	86.40	1,285.99	-2,896.84	5,943.15	5,861.67	81.48	72.942		
13,400.00	6,840.00	6,585.07	6,583.10	200.53	2.13	86.29	1,286.05	-2,897.08	6,030.62	5,949.25	81.37	74.113		
13,500.00	6,840.00	6,579.28	6,577.32	203.18	2.13	86.17	1,286.10	-2,897.31	6,118.46	6,037.20	81.26	75.291		
13,600.00	6,840.00	6,573.52	6,571.56	205.83	2.13	86.06	1,286.15	-2,897.54	6,206.68	6,125.52	81.16	76.477		
13,700.00	6,840.00	6,567.79	6,565.84	208.49	2.14	85.95	1,286.19	-2,897.77	6,295.24	6,214.18	81.05	77.669		
13,800.00	6,840.00	6,562.10	6,560.15	211.14	2.14	85.84	1,286.23	-2,898.00	6,384.13	6,303.18	80.95	78.867		
13,900.00	6,840.00	6,556.43	6,554.49	213.80	2.14	85.72	1,286.26	-2,898.23	6,473.35	6,392.50	80.84	80.072		
14,000.00	6,840.00	6,550.80	6,548.86	216.46	2.14	85.61	1,286.28	-2,898.45	6,562.87	6,482.13	80.74	81.282		
14,100.00	6,840.00	6,545.20	6,543.27	219.12	2.14	85.50	1,286.31	-2,898.67	6,652.69	6,572.05	80.64	82.498		
14,200.00	6,840.00	6,539.63	6,537.70	221.78	2.14	85.39	1,286.32	-2,898.89	6,742.79	6,662.25	80.54	83.719		
14,300.00	6,840.00	6,534.09	6,532.16	224.45	2.14	85.29	1,286.34	-2,899.11	6,833.16	6,752.72	80.44	84.946		
14,400.00	6,840.00	6,528.58	6,526.66	227.11	2.14	85.18	1,286.35	-2,899.33	6,923.80	6,843.46	80.34	86.176		
14,500.00	6,840.00	6,523.09	6,521.18	229.78	2.14	85.07	1,286.35	-2,899.54	7,014.69	6,934.44	80.25	87.412		
14,600.00	6,840.00	6,517.64	6,515.73	232.45	2.14	84.96	1,286.35	-2,899.76	7,105.82	7,025.66	80.15	88.652		
14,700.00	6,840.00	6,515.32	6,513.41	235.12	2.14	84.92	1,286.36	-2,899.85	7,197.17	7,117.11	80.07	89.889		
14,800.00	6,840.00	6,508.61	6,506.70	237.79	2.14	84.79	1,286.35	-2,900.11	7,288.76	7,208.79	79.97	91.139		
14,900.00	6,840.00	6,501.85	6,499.95	240.46	2.14	84.65	1,286.33	-2,900.37	7,380.56	7,300.68	79.88	92.394		
15,000.00	6,840.00	6,495.06	6,493.16	243.13	2.14	84.52	1,286.31	-2,900.64	7,472.57	7,392.78	79.79	93.652		
15,100.00	6,840.00	6,488.22	6,486.33	245.80	2.14	84.39	1,286.29	-2,900.90	7,564.78	7,485.08	79.70	94.914		
15,200.00	6,840.00	6,481.35	6,479.46	248.48	2.14	84.25	1,286.26	-2,901.17	7,657.18	7,577.56	79.61	96.179		
15,300.00	6,840.00	6,474.43	6,472.55	251.15	2.14	84.12	1,286.22	-2,901.44	7,749.76	7,670.23	79.53	97.447		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT DABNEY G 25-6 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,400.00	6,840.00	6,467.47	6,465.60	253.83	2.14	83.98	1,286.18	-2,901.72	7,842.53	7,763.08	79.44	98.718		
15,500.00	6,840.00	6,460.47	6,458.61	256.51	2.14	83.84	1,286.13	-2,901.99	7,935.46	7,856.10	79.36	99.992		
15,600.00	6,840.00	6,453.43	6,451.57	259.19	2.14	83.71	1,286.08	-2,902.27	8,028.56	7,949.28	79.28	101.269		
15,700.00	6,840.00	6,446.35	6,444.49	261.87	2.14	83.57	1,286.02	-2,902.55	8,121.83	8,042.63	79.20	102.549		
15,800.00	6,840.00	6,439.22	6,437.37	264.55	2.14	83.43	1,285.96	-2,902.84	8,215.24	8,136.12	79.12	103.831		
15,900.00	6,840.00	6,432.05	6,430.21	267.23	2.14	83.29	1,285.89	-2,903.12	8,308.81	8,229.77	79.04	105.116		
16,000.00	6,840.00	6,424.84	6,423.00	269.91	2.14	83.15	1,285.82	-2,903.41	8,402.52	8,323.56	78.97	106.402		
16,100.00	6,840.00	6,417.58	6,415.75	272.59	2.14	83.01	1,285.74	-2,903.70	8,496.38	8,417.48	78.90	107.691		
16,200.00	6,840.00	6,410.28	6,408.46	275.28	2.14	82.86	1,285.65	-2,904.00	8,590.36	8,511.54	78.82	108.982		
16,300.00	6,840.00	6,402.93	6,401.12	277.96	2.14	82.72	1,285.55	-2,904.30	8,684.48	8,605.73	78.75	110.275		
16,400.00	6,840.00	6,400.00	6,398.18	280.64	2.14	82.66	1,285.51	-2,904.41	8,778.73	8,700.04	78.69	111.557		
16,500.00	6,840.00	6,400.00	6,398.18	283.33	2.14	82.66	1,285.51	-2,904.41	8,873.10	8,794.46	78.64	112.832		
16,600.00	6,840.00	6,400.00	6,398.18	286.02	2.14	82.66	1,285.51	-2,904.41	8,967.59	8,889.00	78.59	114.107		
16,700.00	6,840.00	6,389.84	6,388.04	288.70	2.14	82.46	1,285.37	-2,904.82	9,062.20	8,983.68	78.52	115.414		
16,800.00	6,840.00	6,387.08	6,385.28	291.39	2.14	82.41	1,285.34	-2,904.93	9,156.92	9,078.45	78.47	116.699		
16,900.00	6,840.00	6,384.35	6,382.55	294.08	2.14	82.36	1,285.30	-2,905.04	9,251.75	9,173.34	78.41	117.986		
17,000.00	6,840.00	6,381.64	6,379.84	296.77	2.14	82.31	1,285.26	-2,905.15	9,346.69	9,268.32	78.36	119.273		
17,100.00	6,840.00	6,378.96	6,377.16	299.46	2.14	82.25	1,285.22	-2,905.25	9,441.73	9,363.41	78.32	120.560		
17,200.00	6,840.00	6,376.30	6,374.50	302.14	2.14	82.20	1,285.18	-2,905.36	9,536.87	9,458.60	78.27	121.849		
17,300.00	6,840.00	6,373.66	6,371.87	304.84	2.14	82.15	1,285.14	-2,905.46	9,632.11	9,553.89	78.22	123.137		
17,400.00	6,840.00	6,371.05	6,369.26	307.53	2.14	82.10	1,285.10	-2,905.56	9,727.44	9,649.26	78.18	124.426		
17,500.00	6,840.00	6,368.47	6,366.68	310.22	2.14	82.05	1,285.06	-2,905.66	9,822.87	9,744.73	78.14	125.715		
17,600.00	6,840.00	6,365.90	6,364.12	312.91	2.14	82.00	1,285.02	-2,905.76	9,918.38	9,840.29	78.09	127.004		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT FREEDOM G 25-5 - 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	-73.24	1,271.41	-4,221.46	4,409.62					
100.00	100.00	13.00	13.00	0.13	0.10	-73.24	1,271.41	-4,221.46	4,408.76	4,408.52	0.24	N/A		
200.00	200.00	113.00	113.00	0.49	1.01	-73.24	1,271.41	-4,221.46	4,408.76	4,407.26	1.51	2,929.039		
300.00	300.00	213.00	213.00	0.85	2.76	-73.24	1,271.41	-4,221.46	4,408.76	4,405.15	3.61	1,221.605		
400.00	399.98	312.98	312.98	1.20	4.50	54.85	1,271.41	-4,221.46	4,407.76	4,402.06	5.70	773.285		
500.00	499.84	412.84	412.84	1.55	6.25	54.95	1,271.41	-4,221.46	4,404.74	4,396.95	7.79	565.492		
600.00	599.45	512.45	512.45	1.91	7.98	55.13	1,271.41	-4,221.46	4,399.74	4,389.85	9.89	444.937		
700.00	698.70	611.70	611.70	2.29	9.72	55.37	1,271.41	-4,221.46	4,392.75	4,380.76	12.00	366.144		
800.00	797.47	710.47	710.47	2.70	11.44	55.69	1,271.41	-4,221.46	4,383.83	4,369.71	14.12	310.531		
900.00	895.62	808.62	808.62	3.14	13.15	56.07	1,271.41	-4,221.46	4,372.99	4,356.74	16.25	269.108		
1,000.00	993.06	906.06	906.06	3.62	14.85	56.53	1,271.41	-4,221.46	4,360.28	4,341.88	18.40	237.001		
1,100.00	1,089.64	1,002.64	1,002.64	4.14	16.54	57.05	1,271.41	-4,221.46	4,345.76	4,325.19	20.56	211.342		
1,200.00	1,185.27	1,101.73	1,098.27	4.70	18.27	57.64	1,271.41	-4,221.46	4,329.48	4,306.67	22.81	189.828		
1,300.00	1,279.82	1,207.18	1,192.82	5.31	20.11	58.30	1,271.41	-4,221.46	4,311.52	4,286.31	25.20	171.070		
1,400.00	1,373.17	1,286.17	1,286.17	5.98	21.49	59.03	1,271.41	-4,221.46	4,291.94	4,264.76	27.18	157.903		
1,500.00	1,465.22	1,378.22	1,378.22	6.70	23.09	59.79	1,271.41	-4,221.46	4,270.85	4,241.41	29.43	145.097		
1,600.00	1,556.72	1,469.72	1,469.72	7.45	24.69	60.23	1,271.41	-4,221.46	4,249.32	4,217.61	31.71	134.021		
1,700.00	1,648.21	1,561.21	1,561.21	8.21	26.29	60.68	1,271.41	-4,221.46	4,228.06	4,194.07	34.00	124.372		
1,800.00	1,739.71	1,652.71	1,652.71	8.99	27.89	61.12	1,271.41	-4,221.46	4,207.09	4,170.79	36.30	115.904		
1,900.00	1,831.20	1,744.20	1,744.20	9.77	29.48	61.58	1,271.41	-4,221.46	4,186.40	4,147.78	38.61	108.420		
2,000.00	1,922.69	1,835.69	1,835.69	10.56	31.08	62.03	1,271.41	-4,221.46	4,165.99	4,125.06	40.94	101.764		
2,100.00	2,014.19	1,927.19	1,927.19	11.35	32.68	62.49	1,271.41	-4,221.46	4,145.88	4,102.61	43.27	95.809		
2,200.00	2,105.68	2,018.68	2,018.68	12.14	34.27	62.96	1,271.41	-4,221.46	4,126.07	4,080.45	45.61	90.454		
2,300.00	2,197.18	2,110.18	2,110.18	12.94	35.87	63.42	1,271.41	-4,221.46	4,106.56	4,058.59	47.97	85.615		
2,400.00	2,288.67	2,201.67	2,201.67	13.74	37.47	63.90	1,271.41	-4,221.46	4,087.35	4,037.03	50.32	81.223		
2,500.00	2,380.17	2,306.83	2,293.17	14.54	39.30	64.37	1,271.41	-4,221.46	4,068.45	4,015.53	52.93	76.871		
2,600.00	2,471.66	2,384.66	2,384.66	15.35	40.66	64.85	1,271.41	-4,221.46	4,049.87	3,994.81	55.06	73.557		
2,700.00	2,563.16	2,476.16	2,476.16	16.15	42.26	65.33	1,271.41	-4,221.46	4,031.60	3,974.17	57.43	70.196		
2,800.00	2,654.65	2,567.65	2,567.65	16.96	43.85	65.82	1,271.41	-4,221.46	4,013.66	3,953.85	59.82	67.101		
2,900.00	2,746.15	2,659.15	2,659.15	17.76	45.45	66.31	1,271.41	-4,221.46	3,996.05	3,933.84	62.20	64.242		
3,000.00	2,837.64	2,750.64	2,750.64	18.57	47.05	66.80	1,271.41	-4,221.46	3,978.76	3,914.17	64.59	61.596		
3,100.00	2,929.14	2,842.14	2,842.14	19.38	48.64	67.30	1,271.41	-4,221.46	3,961.81	3,894.82	66.99	59.138		
3,200.00	3,020.63	2,933.63	2,933.63	20.19	50.24	67.80	1,271.41	-4,221.46	3,945.21	3,875.81	69.39	56.852		
3,300.00	3,112.13	3,025.13	3,025.13	21.00	51.84	68.31	1,271.41	-4,221.46	3,928.94	3,857.14	71.80	54.720		
3,400.00	3,203.62	3,116.62	3,116.62	21.81	53.44	68.82	1,271.41	-4,221.46	3,913.03	3,838.82	74.21	52.728		
3,500.00	3,295.12	3,208.12	3,208.12	22.63	55.03	69.33	1,271.41	-4,221.46	3,897.46	3,820.84	76.63	50.863		
3,600.00	3,386.61	3,300.39	3,299.61	23.44	56.64	69.85	1,271.41	-4,221.46	3,882.26	3,803.20	79.06	49.106		
3,700.00	3,478.10	3,408.90	3,391.10	24.25	58.54	70.36	1,271.41	-4,221.46	3,867.42	3,785.64	81.78	47.292		
3,800.00	3,569.60	3,482.60	3,482.60	25.06	59.82	70.89	1,271.41	-4,221.46	3,852.94	3,769.04	83.89	45.926		
3,900.00	3,661.09	3,574.09	3,574.09	25.88	61.42	71.41	1,271.41	-4,221.46	3,838.83	3,752.51	86.32	44.470		
4,000.00	3,752.59	3,665.59	3,665.59	26.69	63.02	71.94	1,271.41	-4,221.46	3,825.09	3,736.34	88.76	43.097		
4,100.00	3,844.08	3,757.08	3,757.08	27.50	64.61	72.47	1,271.41	-4,221.46	3,811.74	3,720.55	91.19	41.799		
4,200.00	3,935.58	3,848.58	3,848.58	28.32	66.21	73.01	1,271.41	-4,221.46	3,798.76	3,705.13	93.63	40.572		
4,300.00	4,027.07	3,940.07	3,940.07	29.13	67.81	73.55	1,271.41	-4,221.46	3,786.17	3,690.10	96.07	39.410		
4,400.00	4,118.57	4,031.57	4,031.57	29.95	69.40	74.09	1,271.41	-4,221.46	3,773.97	3,675.46	98.51	38.309		
4,500.00	4,210.06	4,123.06	4,123.06	30.76	71.00	74.63	1,271.41	-4,221.46	3,762.17	3,661.21	100.96	37.264		
4,600.00	4,301.56	4,214.56	4,214.56	31.58	72.60	75.18	1,271.41	-4,221.46	3,750.76	3,647.35	103.41	36.272		
4,700.00	4,393.05	4,306.05	4,306.05	32.39	74.19	75.73	1,271.41	-4,221.46	3,739.75	3,633.89	105.86	35.329		
4,800.00	4,484.55	4,402.45	4,397.55	33.21	75.88	76.29	1,271.41	-4,221.46	3,729.14	3,620.75	108.39	34.404		
4,900.00	4,576.04	4,489.04	4,489.04	34.02	77.39	76.84	1,271.41	-4,221.46	3,718.95	3,608.19	110.76	33.577		
5,000.00	4,667.54	4,580.54	4,580.54	34.84	78.99	77.40	1,271.41	-4,221.46	3,709.16	3,595.95	113.21	32.764		
5,100.00	4,759.03	4,672.03	4,672.03	35.65	80.58	77.96	1,271.41	-4,221.46	3,699.79	3,584.13	115.66	31.988		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT FREEDOM G 25-5 - 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		
5,200.00	4,850.53	4,763.53	4,763.53	36.47	82.18	78.52	1,271.41	-4,221.46	3,690.84	3,572.72	118.12	31.247		
5,300.00	4,942.02	4,855.02	4,855.02	37.28	83.78	79.09	1,271.41	-4,221.46	3,682.30	3,561.73	120.57	30.540		
5,400.00	5,033.51	4,946.51	4,946.51	38.10	85.37	79.65	1,271.41	-4,221.46	3,674.19	3,551.17	123.03	29.865		
5,500.00	5,125.01	5,038.01	5,038.01	38.92	86.97	80.22	1,271.41	-4,221.46	3,666.51	3,541.03	125.48	29.220		
5,600.00	5,216.50	5,129.50	5,129.50	39.73	88.57	80.79	1,271.41	-4,221.46	3,659.26	3,531.32	127.93	28.603		
5,700.00	5,308.00	5,221.00	5,221.00	40.55	90.16	81.37	1,271.41	-4,221.46	3,652.43	3,522.05	130.39	28.013		
5,800.00	5,399.49	5,312.49	5,312.49	41.36	91.76	81.94	1,271.41	-4,221.46	3,646.04	3,513.21	132.84	27.447		
5,900.00	5,490.99	5,403.99	5,403.99	42.18	93.36	82.52	1,271.41	-4,221.46	3,640.09	3,504.80	135.29	26.906		
6,000.00	5,582.48	5,504.52	5,495.48	43.00	95.11	83.10	1,271.41	-4,221.46	3,634.58	3,496.68	137.89	26.358		
6,100.00	5,673.98	5,586.98	5,586.98	43.81	96.55	83.68	1,271.41	-4,221.46	3,629.50	3,489.32	140.18	25.891		
6,200.00	5,765.47	5,678.47	5,678.47	44.63	98.15	84.26	1,271.41	-4,221.46	3,624.87	3,482.24	142.63	25.415		
6,300.00	5,856.97	5,769.97	5,769.97	45.45	99.74	84.84	1,271.41	-4,221.46	3,620.69	3,475.61	145.07	24.958		
6,400.00	5,948.46	5,861.46	5,861.46	46.26	101.34	85.42	1,271.41	-4,221.46	3,616.94	3,469.43	147.51	24.520		
6,500.00	6,039.96	5,952.96	5,952.96	47.08	102.94	86.01	1,271.41	-4,221.46	3,613.65	3,463.70	149.95	24.099		
6,600.00	6,131.45	6,044.45	6,044.45	47.90	104.54	86.59	1,271.41	-4,221.46	3,610.80	3,458.42	152.38	23.695		
6,700.00	6,222.95	6,135.95	6,135.95	48.71	106.13	87.18	1,271.41	-4,221.46	3,608.40	3,453.59	154.82	23.308		
6,800.00	6,314.44	6,227.44	6,227.44	49.53	107.73	87.76	1,271.41	-4,221.46	3,606.45	3,449.21	157.24	22.936		
6,900.00	6,405.93	6,318.93	6,318.93	50.35	109.33	88.35	1,271.41	-4,221.46	3,604.96	3,445.29	159.67	22.578		
7,000.00	6,497.01	6,410.01	6,410.01	51.18	110.92	84.00	1,271.41	-4,221.46	3,603.05	3,440.96	162.10	22.228		
7,100.00	6,588.62	6,504.38	6,495.62	52.20	112.56	76.82	1,271.41	-4,221.46	3,592.36	3,427.60	164.76	21.803		
7,200.00	6,659.25	6,572.25	6,572.25	53.42	113.75	74.27	1,271.41	-4,221.46	3,571.42	3,404.25	167.17	21.364		
7,300.00	6,724.59	6,637.59	6,637.59	54.84	114.89	74.58	1,271.41	-4,221.46	3,541.34	3,371.62	169.72	20.866		
7,400.00	6,776.64	6,689.64	6,689.64	56.40	115.80	76.88	1,271.41	-4,221.46	3,503.49	3,331.30	172.19	20.346		
7,500.00	6,813.82	6,726.82	6,726.82	58.08	116.45	80.69	1,271.41	-4,221.46	3,459.43	3,284.91	174.52	19.823		
7,600.00	6,835.01	6,748.01	6,748.01	59.82	116.82	85.63	1,271.41	-4,221.46	3,410.77	3,234.15	176.63	19.311		
7,700.00	6,840.00	6,753.00	6,753.00	61.57	116.90	90.00	1,271.41	-4,221.46	3,359.24	3,180.78	178.46	18.824		
7,800.00	6,840.00	6,753.00	6,753.00	63.35	116.90	90.00	1,271.41	-4,221.46	3,308.62	3,128.37	180.24	18.357		
7,900.00	6,840.00	6,753.00	6,753.00	65.20	116.90	90.00	1,271.41	-4,221.46	3,260.27	3,078.19	182.08	17.905		
8,000.00	6,840.00	6,753.00	6,753.00	67.10	116.90	90.00	1,271.41	-4,221.46	3,214.31	3,030.34	183.98	17.471		
8,100.00	6,840.00	6,753.00	6,753.00	69.05	116.90	90.00	1,271.41	-4,221.46	3,170.84	2,984.93	185.92	17.055		
8,200.00	6,840.00	6,753.00	6,753.00	71.06	116.90	90.00	1,271.41	-4,221.46	3,129.97	2,942.07	187.90	16.658		
8,300.00	6,840.00	6,753.00	6,753.00	73.11	116.90	90.00	1,271.41	-4,221.46	3,091.78	2,901.88	189.91	16.280		
8,400.00	6,840.00	6,753.00	6,753.00	75.21	116.90	90.00	1,271.41	-4,221.46	3,056.40	2,864.45	191.94	15.923		
8,500.00	6,840.00	6,753.00	6,753.00	77.34	116.90	90.00	1,271.41	-4,221.46	3,023.91	2,829.91	193.99	15.588		
8,600.00	6,840.00	6,753.00	6,753.00	79.51	116.90	90.00	1,271.41	-4,221.46	2,994.40	2,798.36	196.05	15.274		
8,700.00	6,840.00	6,753.00	6,753.00	81.72	116.90	90.00	1,271.41	-4,221.46	2,967.98	2,769.88	198.09	14.983		
8,800.00	6,840.00	6,753.00	6,753.00	83.95	116.90	90.00	1,271.41	-4,221.46	2,944.71	2,744.59	200.12	14.715		
8,900.00	6,840.00	6,753.00	6,753.00	86.22	116.90	90.00	1,271.41	-4,221.46	2,924.68	2,722.56	202.12	14.470		
9,000.00	6,840.00	6,753.00	6,753.00	88.51	116.90	90.00	1,271.41	-4,221.46	2,907.95	2,703.87	204.09	14.248		
9,100.00	6,840.00	6,753.00	6,753.00	90.83	116.90	90.00	1,271.41	-4,221.46	2,894.59	2,688.58	206.00	14.051		
9,200.00	6,840.00	6,753.00	6,753.00	93.16	116.90	90.00	1,271.41	-4,221.46	2,884.63	2,676.77	207.86	13.878		
9,300.00	6,840.00	6,753.00	6,753.00	95.52	116.90	90.00	1,271.41	-4,221.46	2,878.11	2,668.47	209.64	13.729		
9,400.00	6,840.00	6,753.00	6,753.00	97.90	116.90	90.00	1,271.41	-4,221.46	2,875.06	2,663.71	211.35	13.603		
9,437.81	6,840.00	6,753.00	6,753.00	98.81	116.90	90.00	1,271.41	-4,221.46	2,874.81	2,662.83	211.97	13.562 CC		
9,500.00	6,840.00	6,753.00	6,753.00	100.30	116.90	90.00	1,271.41	-4,221.46	2,875.48	2,662.51	212.97	13.502 ES		
9,600.00	6,840.00	6,753.00	6,753.00	102.72	116.90	90.00	1,271.41	-4,221.46	2,879.38	2,664.89	214.49	13.424		
9,700.00	6,840.00	6,753.00	6,753.00	105.15	116.90	90.00	1,271.41	-4,221.46	2,886.74	2,670.82	215.92	13.369		
9,800.00	6,840.00	6,753.00	6,753.00	107.59	116.90	90.00	1,271.41	-4,221.46	2,897.53	2,680.29	217.24	13.338		
9,900.00	6,840.00	6,753.00	6,753.00	110.05	116.90	90.00	1,271.41	-4,221.46	2,911.72	2,693.27	218.46	13.329 SF		
10,000.00	6,840.00	6,753.00	6,753.00	112.52	116.90	90.00	1,271.41	-4,221.46	2,929.26	2,709.70	219.56	13.341		
10,100.00	6,840.00	6,753.00	6,753.00	115.00	116.90	90.00	1,271.41	-4,221.46	2,950.09	2,729.53	220.56	13.375		
10,200.00	6,840.00	6,753.00	6,753.00	117.50	116.90	90.00	1,271.41	-4,221.46	2,974.13	2,752.68	221.45	13.430		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT FREEDOM G 25-5 - 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		
10,300.00	6,840.00	6,753.00	6,753.00	120.00	116.90	90.00	1,271.41	-4,221.46	3,001.31	2,779.09	222.23	13.506		
10,400.00	6,840.00	6,753.00	6,753.00	122.51	116.90	90.00	1,271.41	-4,221.46	3,031.56	2,808.65	222.90	13.600		
10,500.00	6,840.00	6,753.00	6,753.00	125.04	116.90	90.00	1,271.41	-4,221.46	3,064.76	2,841.29	223.48	13.714		
10,600.00	6,840.00	6,753.00	6,753.00	127.57	116.90	90.00	1,271.41	-4,221.46	3,100.84	2,876.89	223.95	13.846		
10,700.00	6,840.00	6,753.00	6,753.00	130.11	116.90	90.00	1,271.41	-4,221.46	3,139.69	2,915.35	224.34	13.995		
10,800.00	6,840.00	6,753.00	6,753.00	132.66	116.90	90.00	1,271.41	-4,221.46	3,181.21	2,956.57	224.64	14.162		
10,900.00	6,840.00	6,753.00	6,753.00	135.21	116.90	90.00	1,271.41	-4,221.46	3,225.29	3,000.44	224.85	14.344		
11,000.00	6,840.00	6,753.00	6,753.00	137.77	116.90	90.00	1,271.41	-4,221.46	3,271.84	3,046.85	224.99	14.542		
11,100.00	6,840.00	6,753.00	6,753.00	140.34	116.90	90.00	1,271.41	-4,221.46	3,320.75	3,095.69	225.07	14.755		
11,200.00	6,840.00	6,753.00	6,753.00	142.91	116.90	90.00	1,271.41	-4,221.46	3,371.92	3,146.85	225.07	14.981		
11,300.00	6,840.00	6,753.00	6,753.00	145.49	116.90	90.00	1,271.41	-4,221.46	3,425.24	3,200.22	225.02	15.222		
11,400.00	6,840.00	6,753.00	6,753.00	148.07	116.90	90.00	1,271.41	-4,221.46	3,480.62	3,255.70	224.92	15.475		
11,500.00	6,840.00	6,753.00	6,753.00	150.66	116.90	90.00	1,271.41	-4,221.46	3,537.96	3,313.19	224.77	15.741		
11,600.00	6,840.00	6,753.00	6,753.00	153.25	116.90	90.00	1,271.41	-4,221.46	3,597.16	3,372.59	224.57	16.018		
11,700.00	6,840.00	6,753.00	6,753.00	155.85	116.90	90.00	1,271.41	-4,221.46	3,658.14	3,433.80	224.34	16.306		
11,800.00	6,840.00	6,753.00	6,753.00	158.45	116.90	90.00	1,271.41	-4,221.46	3,720.81	3,496.74	224.07	16.605		
11,900.00	6,840.00	6,753.00	6,753.00	161.06	116.90	90.00	1,271.41	-4,221.46	3,785.09	3,561.31	223.78	16.914		
12,000.00	6,840.00	6,753.00	6,753.00	163.67	116.90	90.00	1,271.41	-4,221.46	3,850.89	3,627.43	223.46	17.233		
12,100.00	6,840.00	6,753.00	6,753.00	166.28	116.90	90.00	1,271.41	-4,221.46	3,918.13	3,695.01	223.12	17.561		
12,200.00	6,840.00	6,753.00	6,753.00	168.90	116.90	90.00	1,271.41	-4,221.46	3,986.75	3,764.00	222.76	17.897		
12,300.00	6,840.00	6,753.00	6,753.00	171.52	116.90	90.00	1,271.41	-4,221.46	4,056.68	3,834.30	222.38	18.242		
12,400.00	6,840.00	6,753.00	6,753.00	174.15	116.90	90.00	1,271.41	-4,221.46	4,127.84	3,905.85	221.99	18.594		
12,500.00	6,840.00	6,753.00	6,753.00	176.77	116.90	90.00	1,271.41	-4,221.46	4,200.18	3,978.59	221.59	18.954		
12,600.00	6,840.00	6,753.00	6,753.00	179.40	116.90	90.00	1,271.41	-4,221.46	4,273.64	4,052.45	221.19	19.321		
12,700.00	6,840.00	6,753.00	6,753.00	182.04	116.90	90.00	1,271.41	-4,221.46	4,348.15	4,127.38	220.77	19.695		
12,800.00	6,840.00	6,753.00	6,753.00	184.67	116.90	90.00	1,271.41	-4,221.46	4,423.67	4,203.31	220.35	20.075		
12,900.00	6,840.00	6,753.00	6,753.00	187.31	116.90	90.00	1,271.41	-4,221.46	4,500.14	4,280.21	219.93	20.462		
13,000.00	6,840.00	6,753.00	6,753.00	189.95	116.90	90.00	1,271.41	-4,221.46	4,577.52	4,358.02	219.51	20.854		
13,100.00	6,840.00	6,753.00	6,753.00	192.59	116.90	90.00	1,271.41	-4,221.46	4,655.77	4,436.68	219.08	21.251		
13,200.00	6,840.00	6,753.00	6,753.00	195.24	116.90	90.00	1,271.41	-4,221.46	4,734.83	4,516.17	218.66	21.654		
13,300.00	6,840.00	6,753.00	6,753.00	197.88	116.90	90.00	1,271.41	-4,221.46	4,814.67	4,596.43	218.24	22.062		
13,400.00	6,840.00	6,753.00	6,753.00	200.53	116.90	90.00	1,271.41	-4,221.46	4,895.25	4,677.43	217.82	22.474		
13,500.00	6,840.00	6,753.00	6,753.00	203.18	116.90	90.00	1,271.41	-4,221.46	4,976.54	4,759.13	217.40	22.891		
13,600.00	6,840.00	6,753.00	6,753.00	205.83	116.90	90.00	1,271.41	-4,221.46	5,058.49	4,841.50	216.99	23.312		
13,700.00	6,840.00	6,753.00	6,753.00	208.49	116.90	90.00	1,271.41	-4,221.46	5,141.09	4,924.51	216.58	23.738		
13,800.00	6,840.00	6,753.00	6,753.00	211.14	116.90	90.00	1,271.41	-4,221.46	5,224.29	5,008.12	216.18	24.167		
13,900.00	6,840.00	6,753.00	6,753.00	213.80	116.90	90.00	1,271.41	-4,221.46	5,308.07	5,092.30	215.78	24.600		
14,000.00	6,840.00	6,753.00	6,753.00	216.46	116.90	90.00	1,271.41	-4,221.46	5,392.41	5,177.03	215.38	25.036		
14,100.00	6,840.00	6,753.00	6,753.00	219.12	116.90	90.00	1,271.41	-4,221.46	5,477.27	5,262.28	215.00	25.476		
14,200.00	6,840.00	6,753.00	6,753.00	221.78	116.90	90.00	1,271.41	-4,221.46	5,562.64	5,348.03	214.61	25.919		
14,300.00	6,840.00	6,753.00	6,753.00	224.45	116.90	90.00	1,271.41	-4,221.46	5,648.49	5,434.25	214.24	26.365		
14,400.00	6,840.00	6,753.00	6,753.00	227.11	116.90	90.00	1,271.41	-4,221.46	5,734.79	5,520.92	213.87	26.814		
14,500.00	6,840.00	6,753.00	6,753.00	229.78	116.90	90.00	1,271.41	-4,221.46	5,821.54	5,608.03	213.51	27.266		
14,600.00	6,840.00	6,753.00	6,753.00	232.45	116.90	90.00	1,271.41	-4,221.46	5,908.70	5,695.55	213.15	27.721		
14,700.00	6,840.00	6,753.00	6,753.00	235.12	116.90	90.00	1,271.41	-4,221.46	5,996.26	5,783.46	212.80	28.178		
14,800.00	6,840.00	6,753.00	6,753.00	237.79	116.90	90.00	1,271.41	-4,221.46	6,084.21	5,871.75	212.46	28.637		
14,900.00	6,840.00	6,753.00	6,753.00	240.46	116.90	90.00	1,271.41	-4,221.46	6,172.52	5,960.40	212.12	29.099		
15,000.00	6,840.00	6,753.00	6,753.00	243.13	116.90	90.00	1,271.41	-4,221.46	6,261.19	6,049.39	211.79	29.563		
15,100.00	6,840.00	6,753.00	6,753.00	245.80	116.90	90.00	1,271.41	-4,221.46	6,350.19	6,138.72	211.47	30.029		
15,200.00	6,840.00	6,753.00	6,753.00	248.48	116.90	90.00	1,271.41	-4,221.46	6,439.52	6,228.36	211.15	30.497		
15,300.00	6,840.00	6,753.00	6,753.00	251.15	116.90	90.00	1,271.41	-4,221.46	6,529.15	6,318.31	210.84	30.967		
15,400.00	6,840.00	6,753.00	6,753.00	253.83	116.90	90.00	1,271.41	-4,221.46	6,619.08	6,408.54	210.54	31.439		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT FREEDOM G 25-5 - 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
15,500.00	6,840.00	6,753.00	6,753.00	256.51	116.90	90.00	1,271.41	-4,221.46	6,709.30	6,499.05	210.24	31.912	
15,600.00	6,840.00	6,753.00	6,753.00	259.19	116.90	90.00	1,271.41	-4,221.46	6,799.79	6,589.84	209.95	32.387	
15,700.00	6,840.00	6,753.00	6,753.00	261.87	116.90	90.00	1,271.41	-4,221.46	6,890.54	6,680.87	209.67	32.864	
15,800.00	6,840.00	6,753.00	6,753.00	264.55	116.90	90.00	1,271.41	-4,221.46	6,981.55	6,772.16	209.39	33.343	
15,900.00	6,840.00	6,753.00	6,753.00	267.23	116.90	90.00	1,271.41	-4,221.46	7,072.79	6,863.68	209.12	33.822	
16,000.00	6,840.00	6,753.00	6,753.00	269.91	116.90	90.00	1,271.41	-4,221.46	7,164.28	6,955.43	208.85	34.304	
16,100.00	6,840.00	6,753.00	6,753.00	272.59	116.90	90.00	1,271.41	-4,221.46	7,255.98	7,047.40	208.59	34.786	
16,200.00	6,840.00	6,753.00	6,753.00	275.28	116.90	90.00	1,271.41	-4,221.46	7,347.91	7,139.57	208.33	35.270	
16,300.00	6,840.00	6,753.00	6,753.00	277.96	116.90	90.00	1,271.41	-4,221.46	7,440.04	7,231.95	208.08	35.755	
16,400.00	6,840.00	6,753.00	6,753.00	280.64	116.90	90.00	1,271.41	-4,221.46	7,532.37	7,324.53	207.84	36.241	
16,500.00	6,840.00	6,753.00	6,753.00	283.33	116.90	90.00	1,271.41	-4,221.46	7,624.90	7,417.29	207.60	36.728	
16,600.00	6,840.00	6,753.00	6,753.00	286.02	116.90	90.00	1,271.41	-4,221.46	7,717.61	7,510.24	207.37	37.217	
16,700.00	6,840.00	6,753.00	6,753.00	288.70	116.90	90.00	1,271.41	-4,221.46	7,810.50	7,603.36	207.14	37.706	
16,800.00	6,840.00	6,753.00	6,753.00	291.39	116.90	90.00	1,271.41	-4,221.46	7,903.57	7,696.65	206.92	38.196	
16,900.00	6,840.00	6,753.00	6,753.00	294.08	116.90	90.00	1,271.41	-4,221.46	7,996.80	7,790.10	206.70	38.688	
17,000.00	6,840.00	6,753.00	6,753.00	296.77	116.90	90.00	1,271.41	-4,221.46	8,090.19	7,883.71	206.49	39.180	
17,100.00	6,840.00	6,753.00	6,753.00	299.46	116.90	90.00	1,271.41	-4,221.46	8,183.74	7,977.46	206.28	39.673	
17,200.00	6,840.00	6,753.00	6,753.00	302.14	116.90	90.00	1,271.41	-4,221.46	8,277.45	8,071.37	206.08	40.167	
17,300.00	6,840.00	6,753.00	6,753.00	304.84	116.90	90.00	1,271.41	-4,221.46	8,371.29	8,165.41	205.88	40.661	
17,400.00	6,840.00	6,753.00	6,753.00	307.53	116.90	90.00	1,271.41	-4,221.46	8,465.28	8,259.60	205.69	41.156	
17,500.00	6,840.00	6,753.00	6,753.00	310.22	116.90	90.00	1,271.41	-4,221.46	8,559.41	8,353.91	205.50	41.652	
17,600.00	6,840.00	6,753.00	6,753.00	312.91	116.90	90.00	1,271.41	-4,221.46	8,653.66	8,448.35	205.31	42.149	
17,700.00	6,840.00	6,753.00	6,753.00	315.60	116.90	90.00	1,271.41	-4,221.46	8,748.05	8,542.91	205.13	42.646	
17,800.00	6,840.00	6,753.00	6,753.00	318.29	116.90	90.00	1,271.41	-4,221.46	8,842.55	8,637.60	204.96	43.144	
17,900.00	6,840.00	6,753.00	6,753.00	320.99	116.90	90.00	1,271.41	-4,221.46	8,937.18	8,732.40	204.78	43.642	
18,000.00	6,840.00	6,753.00	6,753.00	323.68	116.90	90.00	1,271.41	-4,221.46	9,031.92	8,827.31	204.62	44.141	
18,100.00	6,840.00	6,753.00	6,753.00	326.38	116.90	90.00	1,271.41	-4,221.46	9,126.78	8,922.33	204.45	44.640	
18,200.00	6,840.00	6,753.00	6,753.00	329.07	116.90	90.00	1,271.41	-4,221.46	9,221.74	9,017.45	204.29	45.140	
18,300.00	6,840.00	6,753.00	6,753.00	331.77	116.90	90.00	1,271.41	-4,221.46	9,316.81	9,112.68	204.13	45.641	
18,400.00	6,840.00	6,753.00	6,753.00	334.46	116.90	90.00	1,271.41	-4,221.46	9,411.98	9,208.00	203.98	46.141	
18,500.00	6,840.00	6,753.00	6,753.00	337.16	116.90	90.00	1,271.41	-4,221.46	9,507.25	9,303.42	203.83	46.642	
18,600.00	6,840.00	6,753.00	6,753.00	339.85	116.90	90.00	1,271.41	-4,221.46	9,602.62	9,398.93	203.69	47.144	
18,700.00	6,840.00	6,753.00	6,753.00	342.55	116.90	90.00	1,271.41	-4,221.46	9,698.08	9,494.53	203.54	47.646	
18,800.00	6,840.00	6,753.00	6,753.00	345.25	116.90	90.00	1,271.41	-4,221.46	9,793.63	9,590.22	203.41	48.148	
18,900.00	6,840.00	6,753.00	6,753.00	347.94	116.90	90.00	1,271.41	-4,221.46	9,889.27	9,685.99	203.27	48.651	
19,000.00	6,840.00	6,753.00	6,753.00	350.64	116.90	90.00	1,271.41	-4,221.46	9,984.99	9,781.85	203.14	49.154	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT RUPERT G 25-4 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-59.54	2,488.55	-4,232.13	4,910.13					
100.00	100.00	22.27	22.27	0.13	0.02	-59.54	2,488.57	-4,232.13	4,909.57	4,909.41	0.16	N/A		
200.00	200.00	112.61	112.61	0.49	0.11	-59.54	2,488.92	-4,232.09	4,909.73	4,909.13	0.60	8,121.461		
300.00	300.00	209.88	209.88	0.85	0.24	-59.53	2,489.65	-4,231.96	4,910.00	4,908.91	1.09	4,507.296		
400.00	399.98	294.97	294.96	1.20	0.31	68.55	2,490.38	-4,231.99	4,909.82	4,908.32	1.50	3,268.171		
500.00	499.84	398.72	398.71	1.55	0.39	68.64	2,491.28	-4,232.16	4,908.49	4,906.57	1.92	2,558.802		
600.00	599.45	475.76	475.75	1.91	0.43	68.76	2,491.98	-4,232.42	4,906.08	4,903.75	2.32	2,112.095		
700.00	698.70	579.53	579.51	2.29	0.49	68.97	2,492.95	-4,233.09	4,902.69	4,899.93	2.76	1,775.842		
800.00	797.47	667.63	667.61	2.70	0.54	69.21	2,493.67	-4,233.64	4,898.02	4,894.81	3.21	1,525.676		
900.00	895.62	774.52	774.48	3.14	0.59	69.55	2,494.58	-4,234.50	4,892.34	4,888.64	3.69	1,324.146		
1,000.00	993.06	886.96	886.92	3.62	0.64	69.97	2,495.42	-4,235.00	4,885.16	4,880.95	4.21	1,159.639		
1,100.00	1,089.64	977.82	977.78	4.14	0.68	70.38	2,495.80	-4,235.48	4,876.80	4,872.04	4.76	1,025.053		
1,200.00	1,185.27	1,078.09	1,078.05	4.70	0.72	70.89	2,496.20	-4,236.11	4,867.48	4,862.13	5.35	910.212		
1,300.00	1,279.82	1,180.81	1,180.76	5.31	0.77	71.47	2,496.72	-4,236.48	4,857.04	4,851.06	5.98	811.630		
1,400.00	1,373.17	1,279.40	1,279.35	5.98	0.81	72.09	2,497.16	-4,236.71	4,845.58	4,838.92	6.67	726.646		
1,500.00	1,465.22	1,373.44	1,373.39	6.70	0.85	72.72	2,497.48	-4,236.91	4,833.26	4,825.85	7.40	652.858		
1,600.00	1,556.72	1,461.22	1,461.17	7.45	0.88	73.12	2,497.77	-4,237.11	4,820.81	4,812.65	8.17	590.279		
1,700.00	1,648.21	1,552.16	1,552.11	8.21	0.92	73.55	2,498.26	-4,237.28	4,808.75	4,799.81	8.95	537.519		
1,800.00	1,739.71	1,642.29	1,642.24	8.99	0.96	73.97	2,498.72	-4,237.44	4,796.97	4,787.24	9.74	492.668		
1,900.00	1,831.20	1,728.63	1,728.57	9.77	0.99	74.38	2,499.10	-4,237.73	4,785.60	4,775.07	10.54	454.195		
2,000.00	1,922.69	1,814.42	1,814.37	10.56	1.02	74.78	2,499.49	-4,238.09	4,774.62	4,763.27	11.35	420.834		
2,100.00	2,014.19	1,886.71	1,886.66	11.35	1.05	75.12	2,499.95	-4,238.57	4,764.21	4,752.05	12.16	391.889		
2,200.00	2,105.68	1,963.59	1,963.53	12.14	1.08	75.49	2,500.67	-4,239.24	4,754.46	4,741.48	12.98	366.420		
2,300.00	2,197.18	2,052.10	2,052.03	12.94	1.12	75.91	2,501.81	-4,240.05	4,745.24	4,731.43	13.80	343.800		
2,400.00	2,288.67	2,143.76	2,143.68	13.74	1.15	76.35	2,503.02	-4,240.79	4,736.29	4,721.66	14.63	323.641		
2,500.00	2,380.17	2,230.40	2,230.31	14.54	1.18	76.77	2,504.17	-4,241.59	4,727.76	4,712.29	15.47	305.633		
2,600.00	2,471.66	2,320.70	2,320.59	15.35	1.22	77.21	2,505.44	-4,242.45	4,719.62	4,703.32	16.31	289.409		
2,700.00	2,563.16	2,417.33	2,417.21	16.15	1.25	77.68	2,506.77	-4,243.29	4,711.76	4,694.60	17.15	274.714		
2,800.00	2,654.65	2,507.79	2,507.66	16.96	1.29	78.12	2,508.17	-4,243.93	4,704.20	4,686.20	18.00	261.413		
2,900.00	2,746.15	2,600.87	2,600.72	17.76	1.32	78.58	2,509.64	-4,244.54	4,696.97	4,678.13	18.84	249.281		
3,000.00	2,837.64	2,695.22	2,695.05	18.57	1.36	79.04	2,510.99	-4,245.22	4,690.04	4,670.35	19.69	238.170		
3,100.00	2,929.14	2,786.78	2,786.61	19.38	1.39	79.50	2,512.31	-4,245.82	4,683.42	4,662.88	20.54	227.988		
3,200.00	3,020.63	2,869.18	2,869.00	20.19	1.42	79.90	2,513.62	-4,246.35	4,677.22	4,655.83	21.39	218.645		
3,300.00	3,112.13	2,979.33	2,979.13	21.00	1.46	80.45	2,515.36	-4,247.07	4,671.39	4,649.14	22.25	209.953		
3,400.00	3,203.62	3,079.67	3,079.46	21.81	1.49	80.95	2,516.89	-4,247.18	4,665.48	4,642.38	23.10	201.937		
3,500.00	3,295.12	3,178.77	3,178.54	22.63	1.52	81.46	2,518.51	-4,247.01	4,659.82	4,635.87	23.96	194.519		
3,600.00	3,386.61	3,260.11	3,259.87	23.44	1.55	81.87	2,520.00	-4,246.68	4,654.49	4,629.69	24.80	187.651		
3,700.00	3,478.10	3,344.02	3,343.77	24.25	1.58	82.30	2,521.59	-4,246.60	4,649.77	4,624.11	25.65	181.245		
3,800.00	3,569.60	3,423.07	3,422.80	25.06	1.60	82.70	2,523.13	-4,246.56	4,645.48	4,618.97	26.51	175.263		
3,900.00	3,661.09	3,481.98	3,481.70	25.88	1.62	83.00	2,524.48	-4,246.79	4,642.07	4,614.72	27.35	169.718		
4,000.00	3,752.59	3,553.09	3,552.77	26.69	1.65	83.36	2,526.34	-4,247.47	4,639.57	4,611.37	28.20	164.509		
4,100.00	3,844.08	3,637.83	3,637.48	27.50	1.68	83.79	2,528.56	-4,248.62	4,637.70	4,608.65	29.06	159.597		
4,200.00	3,935.58	3,728.77	3,728.38	28.32	1.71	84.25	2,530.84	-4,249.92	4,636.18	4,606.26	29.92	154.963		
4,300.00	4,027.07	3,809.29	3,808.86	29.13	1.74	84.65	2,532.74	-4,251.41	4,635.17	4,604.40	30.77	150.628		
4,400.00	4,118.57	3,899.90	3,899.43	29.95	1.77	85.10	2,534.92	-4,253.19	4,634.62	4,602.99	31.63	146.523		
4,500.00	4,210.06	3,995.01	3,994.50	30.76	1.81	85.58	2,537.38	-4,254.82	4,634.39	4,601.90	32.49	142.640		
4,600.00	4,301.56	4,129.86	4,129.30	31.58	1.85	86.26	2,540.18	-4,256.75	4,633.97	4,600.61	33.37	138.884		
4,700.00	4,393.05	4,225.67	4,225.09	32.39	1.88	86.74	2,541.66	-4,258.02	4,633.50	4,599.28	34.22	135.387		
4,800.00	4,484.55	4,319.76	4,319.17	33.21	1.92	87.21	2,543.22	-4,259.13	4,633.38	4,598.30	35.08	132.079		
4,900.00	4,576.04	4,429.41	4,428.80	34.02	1.96	87.76	2,544.79	-4,260.12	4,633.28	4,597.34	35.94	128.911		
4,904.75	4,580.38	4,433.49	4,432.88	34.06	1.96	87.78	2,544.85	-4,260.16	4,633.28	4,597.30	35.98	128.766		
5,000.00	4,667.54	4,515.52	4,514.90	34.84	1.98	88.19	2,545.92	-4,260.95	4,633.49	4,596.70	36.79	125.937		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT RUPERT G 25-4 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,759.03	4,602.24	4,601.60	35.65	2.01	88.62	2,547.13	-4,261.84	4,634.15	4,596.51	37.64	123.114		
5,200.00	4,850.53	4,687.49	4,686.84	36.47	2.04	89.05	2,548.56	-4,262.57	4,635.27	4,596.78	38.49	120.438		
5,300.00	4,942.02	4,785.55	4,784.88	37.28	2.08	89.55	2,550.45	-4,263.12	4,636.76	4,597.43	39.34	117.878		
5,400.00	5,033.51	4,869.19	4,868.50	38.10	2.11	89.97	2,552.03	-4,263.58	4,638.58	4,598.41	40.18	115.458		
5,500.00	5,125.01	4,975.12	4,974.41	38.92	2.14	90.50	2,553.85	-4,264.46	4,640.81	4,599.79	41.02	113.122		
5,600.00	5,216.50	5,082.97	5,082.25	39.73	2.18	91.04	2,555.21	-4,265.22	4,642.97	4,601.09	41.87	110.884		
5,700.00	5,308.00	5,188.33	5,187.61	40.55	2.21	91.57	2,556.23	-4,265.83	4,645.21	4,602.49	42.72	108.747		
5,800.00	5,399.49	5,277.58	5,276.84	41.36	2.24	92.01	2,556.72	-4,266.65	4,647.66	4,604.11	43.55	106.724		
5,900.00	5,490.99	5,375.76	5,375.02	42.18	2.27	92.49	2,557.06	-4,267.85	4,650.46	4,606.08	44.38	104.789		
6,000.00	5,582.48	5,475.00	5,474.25	43.00	2.29	92.97	2,557.14	-4,268.11	4,653.43	4,608.22	45.20	102.942		
6,100.00	5,673.98	5,555.17	5,554.41	43.81	2.31	93.36	2,557.17	-4,270.16	4,656.73	4,610.71	46.02	101.191		
6,200.00	5,765.47	5,634.10	5,633.33	44.63	2.33	93.74	2,557.54	-4,271.21	4,660.68	4,613.85	46.83	99.519		
6,300.00	5,856.97	5,730.64	5,729.86	45.45	2.36	94.21	2,557.97	-4,272.74	4,665.09	4,617.44	47.65	97.903		
6,400.00	5,948.46	5,837.48	5,836.70	46.26	2.38	94.73	2,558.22	-4,274.03	4,669.46	4,620.99	48.47	96.342		
6,500.00	6,039.96	5,917.76	5,916.97	47.08	2.41	95.11	2,558.39	-4,275.07	4,674.21	4,624.94	49.27	94.869		
6,600.00	6,131.45	5,988.75	5,987.95	47.90	2.43	95.46	2,558.79	-4,276.10	4,679.63	4,629.56	50.07	93.471		
6,700.00	6,222.95	6,083.57	6,082.76	48.71	2.45	95.91	2,559.52	-4,277.57	4,685.59	4,634.72	50.87	92.110		
6,800.00	6,314.44	6,184.70	6,183.87	49.53	2.48	96.40	2,559.98	-4,279.34	4,691.72	4,640.05	51.67	90.799		
6,900.00	6,405.93	6,256.04	6,255.19	50.35	2.50	96.73	2,560.18	-4,280.90	4,698.23	4,645.78	52.45	89.571		
7,000.00	6,497.01	6,328.65	6,327.77	51.18	2.52	91.86	2,560.58	-4,282.90	4,704.83	4,651.58	53.25	88.358		
7,100.00	6,582.62	6,410.69	6,409.77	52.20	2.54	83.73	2,560.94	-4,285.67	4,704.14	4,649.91	54.23	86.737		
7,200.00	6,659.25	6,484.80	6,483.83	53.42	2.56	80.10	2,561.33	-4,288.20	4,694.63	4,639.19	55.44	84.683		
7,300.00	6,724.59	6,652.18	6,651.17	54.84	2.59	80.19	2,561.66	-4,291.83	4,676.46	4,619.58	56.88	82.219		
7,400.00	6,776.64	6,765.52	6,764.49	56.40	2.60	81.93	2,560.30	-4,292.51	4,649.95	4,591.51	58.43	79.580		
7,500.00	6,813.82	6,830.53	6,829.49	58.08	2.59	84.71	2,558.94	-4,292.85	4,617.52	4,557.42	60.10	76.835		
7,600.00	6,835.01	6,869.08	6,868.03	59.82	2.59	88.36	2,557.97	-4,292.95	4,580.69	4,518.86	61.83	74.081		
7,700.00	6,840.00	6,878.11	6,877.05	61.57	2.59	91.54	2,557.73	-4,292.96	4,541.01	4,477.42	63.58	71.417		
7,800.00	6,840.00	6,878.20	6,877.15	63.35	2.59	91.54	2,557.73	-4,292.96	4,501.96	4,436.59	65.37	68.871		
7,900.00	6,840.00	6,878.30	6,877.24	65.20	2.59	91.55	2,557.72	-4,292.96	4,464.81	4,397.61	67.20	66.440		
8,000.00	6,840.00	6,878.39	6,877.33	67.10	2.59	91.55	2,557.72	-4,292.96	4,429.61	4,360.53	69.08	64.125		
8,100.00	6,840.00	6,878.48	6,877.42	69.05	2.59	91.55	2,557.72	-4,292.96	4,396.40	4,325.40	71.00	61.925		
8,200.00	6,840.00	6,878.56	6,877.51	71.06	2.59	91.55	2,557.72	-4,292.96	4,365.23	4,292.28	72.95	59.840		
8,300.00	6,840.00	6,878.65	6,877.59	73.11	2.59	91.55	2,557.71	-4,292.96	4,336.14	4,261.21	74.93	57.868		
8,400.00	6,840.00	6,878.73	6,877.67	75.21	2.59	91.55	2,557.71	-4,292.96	4,309.17	4,232.23	76.94	56.008		
8,500.00	6,840.00	6,878.81	6,877.76	77.34	2.59	91.55	2,557.71	-4,292.96	4,284.37	4,205.41	78.97	54.256		
8,600.00	6,840.00	6,878.89	6,877.83	79.51	2.59	91.55	2,557.71	-4,292.96	4,261.78	4,180.77	81.01	52.611		
8,700.00	6,840.00	6,878.97	6,877.91	81.72	2.59	91.55	2,557.71	-4,292.96	4,241.42	4,158.36	83.05	51.068		
8,800.00	6,840.00	6,879.04	6,877.99	83.95	2.59	91.56	2,557.70	-4,292.96	4,223.33	4,138.22	85.11	49.624		
8,900.00	6,840.00	6,879.12	6,878.06	86.22	2.59	91.56	2,557.70	-4,292.96	4,207.54	4,120.39	87.15	48.277		
9,000.00	6,840.00	6,879.19	6,878.14	88.51	2.59	91.56	2,557.70	-4,292.96	4,194.08	4,104.88	89.19	47.022		
9,100.00	6,840.00	6,879.26	6,878.21	90.83	2.59	91.56	2,557.70	-4,292.96	4,182.96	4,091.74	91.22	45.855		
9,200.00	6,840.00	6,879.33	6,878.28	93.16	2.59	91.56	2,557.70	-4,292.96	4,174.21	4,080.99	93.23	44.774		
9,300.00	6,840.00	6,879.40	6,878.35	95.52	2.59	91.56	2,557.69	-4,292.96	4,167.85	4,072.64	95.21	43.775		
9,400.00	6,840.00	6,879.47	6,878.41	97.90	2.59	91.56	2,557.69	-4,292.96	4,163.87	4,066.71	97.16	42.854		
9,500.00	6,840.00	6,879.54	6,878.48	100.30	2.59	91.56	2,557.69	-4,292.96	4,162.30	4,063.21	99.08	42.008		
9,515.57	6,840.00	6,879.55	6,878.49	100.68	2.59	91.56	2,557.69	-4,292.96	4,162.27	4,062.89	99.38	41.882 CC		
9,600.00	6,840.00	6,879.60	6,878.54	102.72	2.59	91.56	2,557.69	-4,292.96	4,163.13	4,062.16	100.97	41.233 ES		
9,700.00	6,840.00	6,879.66	6,878.61	105.15	2.59	91.56	2,557.69	-4,292.96	4,166.35	4,063.55	102.81	40.527		
9,800.00	6,840.00	6,879.73	6,878.67	107.59	2.59	91.56	2,557.69	-4,292.96	4,171.98	4,067.38	104.60	39.886		
9,900.00	6,840.00	6,879.79	6,878.73	110.05	2.59	91.57	2,557.68	-4,292.96	4,179.99	4,073.64	106.34	39.307		
10,000.00	6,840.00	6,879.85	6,878.79	112.52	2.59	91.57	2,557.68	-4,292.96	4,190.37	4,082.34	108.03	38.789		
10,100.00	6,840.00	6,879.91	6,878.85	115.00	2.59	91.57	2,557.68	-4,292.96	4,203.10	4,093.44	109.67	38.327		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT RUPERT G 25-4 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,200.00	6,840.00	6,879.96	6,878.91	117.50	2.59	91.57	2,557.68	-4,292.96	4,218.17	4,106.93	111.24	37.919		
10,300.00	6,840.00	6,880.02	6,878.96	120.00	2.59	91.57	2,557.68	-4,292.96	4,235.54	4,122.78	112.76	37.563		
10,400.00	6,840.00	6,880.08	6,879.02	122.51	2.59	91.57	2,557.68	-4,292.96	4,255.20	4,140.98	114.21	37.256		
10,500.00	6,840.00	6,880.13	6,879.07	125.04	2.59	91.57	2,557.67	-4,292.96	4,277.10	4,161.49	115.61	36.997		
10,600.00	6,840.00	6,880.18	6,879.13	127.57	2.59	91.57	2,557.67	-4,292.96	4,301.22	4,184.28	116.94	36.782		
10,700.00	6,840.00	6,880.24	6,879.18	130.11	2.59	91.57	2,557.67	-4,292.96	4,327.51	4,209.31	118.20	36.611		
10,800.00	6,840.00	6,880.29	6,879.23	132.66	2.59	91.57	2,557.67	-4,292.96	4,355.95	4,236.54	119.41	36.480		
10,900.00	6,840.00	6,880.34	6,879.28	135.21	2.59	91.57	2,557.67	-4,292.96	4,386.47	4,265.93	120.54	36.389		
11,000.00	6,840.00	6,880.39	6,879.33	137.77	2.59	91.57	2,557.67	-4,292.96	4,419.05	4,297.43	121.62	36.335		
11,100.00	6,840.00	6,880.44	6,879.38	140.34	2.59	91.57	2,557.67	-4,292.96	4,453.64	4,331.01	122.63	36.317 SF		
11,200.00	6,840.00	6,880.49	6,879.43	142.91	2.59	91.58	2,557.66	-4,292.96	4,490.19	4,366.60	123.59	36.333		
11,300.00	6,840.00	6,880.53	6,879.48	145.49	2.59	91.58	2,557.66	-4,292.96	4,528.65	4,404.18	124.48	36.381		
11,400.00	6,840.00	6,880.58	6,879.52	148.07	2.59	91.58	2,557.66	-4,292.96	4,568.98	4,443.67	125.31	36.461		
11,500.00	6,840.00	6,880.63	6,879.57	150.66	2.59	91.58	2,557.66	-4,292.96	4,611.12	4,485.04	126.09	36.571		
11,600.00	6,840.00	6,880.67	6,879.62	153.25	2.59	91.58	2,557.66	-4,292.96	4,655.04	4,528.23	126.81	36.709		
11,700.00	6,840.00	6,880.72	6,879.66	155.85	2.59	91.58	2,557.66	-4,292.96	4,700.66	4,573.19	127.48	36.874		
11,800.00	6,840.00	6,880.76	6,879.70	158.45	2.59	91.58	2,557.66	-4,292.96	4,747.96	4,619.87	128.10	37.066		
11,900.00	6,840.00	6,880.80	6,879.75	161.06	2.59	91.58	2,557.66	-4,292.96	4,796.88	4,668.21	128.66	37.282		
12,000.00	6,840.00	6,880.85	6,879.79	163.67	2.59	91.58	2,557.65	-4,292.96	4,847.36	4,718.18	129.18	37.523		
12,100.00	6,840.00	6,880.89	6,879.83	166.28	2.59	91.58	2,557.65	-4,292.96	4,899.37	4,769.71	129.66	37.787		
12,200.00	6,840.00	6,880.93	6,879.87	168.90	2.59	91.58	2,557.65	-4,292.96	4,952.85	4,822.76	130.09	38.072		
12,300.00	6,840.00	6,880.97	6,879.91	171.52	2.59	91.58	2,557.65	-4,292.96	5,007.75	4,877.27	130.48	38.379		
12,400.00	6,840.00	6,881.01	6,879.95	174.15	2.59	91.58	2,557.65	-4,292.96	5,064.03	4,933.20	130.83	38.706		
12,500.00	6,840.00	6,881.05	6,879.99	176.77	2.59	91.58	2,557.65	-4,292.96	5,121.65	4,990.51	131.15	39.053		
12,600.00	6,840.00	6,881.09	6,880.03	179.40	2.59	91.58	2,557.65	-4,292.96	5,180.56	5,049.14	131.43	39.418		
12,700.00	6,840.00	6,881.13	6,880.07	182.04	2.59	91.58	2,557.65	-4,292.96	5,240.72	5,109.04	131.67	39.801		
12,800.00	6,840.00	6,881.16	6,880.11	184.67	2.59	91.58	2,557.65	-4,292.96	5,302.07	5,170.19	131.89	40.201		
12,900.00	6,840.00	6,881.20	6,880.14	187.31	2.59	91.59	2,557.65	-4,292.96	5,364.60	5,232.52	132.07	40.618		
13,000.00	6,840.00	6,881.24	6,880.18	189.95	2.59	91.59	2,557.64	-4,292.96	5,428.24	5,296.01	132.23	41.051		
13,100.00	6,840.00	6,881.27	6,880.22	192.59	2.59	91.59	2,557.64	-4,292.96	5,492.96	5,360.60	132.36	41.499		
13,200.00	6,840.00	6,881.31	6,880.25	195.24	2.59	91.59	2,557.64	-4,292.96	5,558.74	5,426.26	132.47	41.962		
13,300.00	6,840.00	6,881.34	6,880.29	197.88	2.59	91.59	2,557.64	-4,292.96	5,625.52	5,492.96	132.56	42.438		
13,400.00	6,840.00	6,881.38	6,880.32	200.53	2.59	91.59	2,557.64	-4,292.96	5,693.27	5,560.65	132.62	42.929		
13,500.00	6,840.00	6,881.41	6,880.35	203.18	2.59	91.59	2,557.64	-4,292.96	5,761.96	5,629.30	132.67	43.432		
13,600.00	6,840.00	6,881.45	6,880.39	205.83	2.59	91.59	2,557.64	-4,292.96	5,831.56	5,698.87	132.69	43.949		
13,700.00	6,840.00	6,881.48	6,880.42	208.49	2.59	91.59	2,557.64	-4,292.96	5,902.03	5,769.33	132.70	44.477		
13,800.00	6,840.00	6,881.51	6,880.45	211.14	2.59	91.59	2,557.64	-4,292.96	5,973.35	5,840.65	132.69	45.017		
13,900.00	6,840.00	6,881.54	6,880.49	213.80	2.59	91.59	2,557.64	-4,292.96	6,045.47	5,912.80	132.67	45.568		
14,000.00	6,840.00	6,881.57	6,880.52	216.46	2.59	91.59	2,557.63	-4,292.96	6,118.39	5,985.75	132.63	46.130		
14,100.00	6,840.00	6,881.61	6,880.55	219.12	2.59	91.59	2,557.63	-4,292.96	6,192.05	6,059.47	132.59	46.702		
14,200.00	6,840.00	6,881.64	6,880.58	221.78	2.59	91.59	2,557.63	-4,292.96	6,266.45	6,133.93	132.53	47.285		
14,300.00	6,840.00	6,881.67	6,880.61	224.45	2.59	91.59	2,557.63	-4,292.96	6,341.55	6,209.10	132.45	47.877		
14,400.00	6,840.00	6,881.70	6,880.64	227.11	2.59	91.59	2,557.63	-4,292.96	6,417.33	6,284.96	132.37	48.479		
14,500.00	6,840.00	6,881.73	6,880.67	229.78	2.59	91.59	2,557.63	-4,292.96	6,493.77	6,361.49	132.28	49.090		
14,600.00	6,840.00	6,881.76	6,880.70	232.45	2.59	91.59	2,557.63	-4,292.96	6,570.84	6,438.66	132.19	49.709		
14,700.00	6,840.00	6,881.78	6,880.73	235.12	2.59	91.59	2,557.63	-4,292.96	6,648.52	6,516.44	132.08	50.337		
14,800.00	6,840.00	6,881.81	6,880.76	237.79	2.59	91.59	2,557.63	-4,292.96	6,726.79	6,594.83	131.97	50.974		
14,900.00	6,840.00	6,881.84	6,880.78	240.46	2.59	91.59	2,557.63	-4,292.96	6,805.63	6,673.78	131.85	51.618		
15,000.00	6,840.00	6,881.87	6,880.81	243.13	2.59	91.59	2,557.63	-4,292.96	6,885.02	6,753.30	131.72	52.269		
15,100.00	6,840.00	6,881.90	6,880.84	245.80	2.59	91.59	2,557.63	-4,292.96	6,964.94	6,833.35	131.59	52.928		
15,200.00	6,840.00	6,881.92	6,880.87	248.48	2.59	91.60	2,557.63	-4,292.96	7,045.37	6,913.92	131.46	53.594		
15,300.00	6,840.00	6,881.95	6,880.89	251.15	2.59	91.60	2,557.62	-4,292.96	7,126.30	6,994.98	131.32	54.267		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT RUPERT G 25-4 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												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
15,400.00	6,840.00	6,881.98	6,880.92	253.83	2.59	91.60	2,557.62	-4,292.96	7,207.71	7,076.53	131.18	54.947	
15,500.00	6,840.00	6,882.00	6,880.95	256.51	2.59	91.60	2,557.62	-4,292.96	7,289.58	7,158.55	131.03	55.633	
15,600.00	6,840.00	6,882.03	6,880.97	259.19	2.59	91.60	2,557.62	-4,292.96	7,371.89	7,241.01	130.88	56.325	
15,700.00	6,840.00	6,882.05	6,881.00	261.87	2.59	91.60	2,557.62	-4,292.96	7,454.64	7,323.91	130.73	57.023	
15,800.00	6,840.00	6,882.08	6,881.02	264.55	2.59	91.60	2,557.62	-4,292.96	7,537.81	7,407.23	130.58	57.727	
15,900.00	6,840.00	6,882.10	6,881.05	267.23	2.59	91.60	2,557.62	-4,292.96	7,621.38	7,490.96	130.42	58.437	
16,000.00	6,840.00	6,882.13	6,881.07	269.91	2.59	91.60	2,557.62	-4,292.96	7,705.35	7,575.08	130.26	59.152	
16,100.00	6,840.00	6,882.15	6,881.10	272.59	2.59	91.60	2,557.62	-4,292.96	7,789.69	7,659.58	130.11	59.872	
16,200.00	6,840.00	6,882.18	6,881.12	275.28	2.59	91.60	2,557.62	-4,292.96	7,874.40	7,744.45	129.95	60.598	
16,300.00	6,840.00	6,882.20	6,881.14	277.96	2.59	91.60	2,557.62	-4,292.96	7,959.46	7,829.68	129.79	61.328	
16,400.00	6,840.00	6,882.22	6,881.17	280.64	2.59	91.60	2,557.62	-4,292.96	8,044.87	7,915.25	129.62	62.063	
16,500.00	6,840.00	6,882.25	6,881.19	283.33	2.59	91.60	2,557.62	-4,292.96	8,130.61	8,001.15	129.46	62.803	
16,600.00	6,840.00	6,882.27	6,881.21	286.02	2.59	91.60	2,557.62	-4,292.96	8,216.67	8,087.37	129.30	63.547	
16,700.00	6,840.00	6,882.29	6,881.23	288.70	2.59	91.60	2,557.62	-4,292.96	8,303.05	8,173.91	129.14	64.295	
16,800.00	6,840.00	6,882.31	6,881.26	291.39	2.59	91.60	2,557.61	-4,292.96	8,389.72	8,260.75	128.98	65.048	
16,900.00	6,840.00	6,882.34	6,881.28	294.08	2.59	91.60	2,557.61	-4,292.96	8,476.69	8,347.88	128.82	65.805	
17,000.00	6,840.00	6,882.36	6,881.30	296.77	2.59	91.60	2,557.61	-4,292.96	8,563.95	8,435.30	128.65	66.566	
17,100.00	6,840.00	6,882.38	6,881.32	299.46	2.59	91.60	2,557.61	-4,292.96	8,651.48	8,522.99	128.49	67.330	
17,200.00	6,840.00	6,882.40	6,881.34	302.14	2.59	91.60	2,557.61	-4,292.96	8,739.28	8,610.95	128.33	68.098	
17,300.00	6,840.00	6,882.42	6,881.36	304.84	2.59	91.60	2,557.61	-4,292.96	8,827.34	8,699.16	128.17	68.870	
17,400.00	6,840.00	6,882.44	6,881.39	307.53	2.59	91.60	2,557.61	-4,292.96	8,915.65	8,787.63	128.02	69.645	
17,500.00	6,840.00	6,882.46	6,881.41	310.22	2.59	91.60	2,557.61	-4,292.96	9,004.20	8,876.35	127.86	70.424	
17,600.00	6,840.00	6,882.48	6,881.43	312.91	2.59	91.60	2,557.61	-4,292.96	9,093.00	8,965.29	127.70	71.206	
17,700.00	6,840.00	6,882.50	6,881.45	315.60	2.59	91.60	2,557.61	-4,292.96	9,182.02	9,054.47	127.54	71.991	
17,800.00	6,840.00	6,882.52	6,881.47	318.29	2.59	91.60	2,557.61	-4,292.96	9,271.26	9,143.87	127.39	72.779	
17,900.00	6,840.00	6,882.54	6,881.49	320.99	2.59	91.60	2,557.61	-4,292.96	9,360.73	9,233.49	127.24	73.569	
18,000.00	6,840.00	6,882.56	6,881.51	323.68	2.59	91.60	2,557.61	-4,292.96	9,450.40	9,323.32	127.08	74.363	
18,100.00	6,840.00	6,882.58	6,881.53	326.38	2.59	91.60	2,557.61	-4,292.96	9,540.28	9,413.35	126.93	75.160	
18,200.00	6,840.00	6,882.60	6,881.54	329.07	2.59	91.60	2,557.61	-4,292.96	9,630.36	9,503.58	126.78	75.959	
18,300.00	6,840.00	6,882.62	6,881.56	331.77	2.59	91.60	2,557.61	-4,292.96	9,720.64	9,594.00	126.64	76.761	
18,400.00	6,840.00	6,882.64	6,881.58	334.46	2.59	91.61	2,557.61	-4,292.96	9,811.10	9,684.61	126.49	77.565	
18,500.00	6,840.00	6,882.66	6,881.60	337.16	2.59	91.61	2,557.61	-4,292.96	9,901.74	9,775.40	126.34	78.372	
18,600.00	6,840.00	6,882.68	6,881.62	339.85	2.59	91.61	2,557.60	-4,292.96	9,992.57	9,866.37	126.20	79.181	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT SHELTON 18-25XX GYRO - OWB - FINAL													Offset Site Error:	0.00 usft
Survey Program: 789-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	-62.69	1,782.77	-3,453.31	3,887.03					
100.00	100.00	26.77	26.77	0.13	0.05	-62.69	1,782.77	-3,453.32	3,886.34	3,886.16	0.18	N/A		
200.00	200.00	125.94	125.94	0.49	0.22	-62.70	1,782.74	-3,453.35	3,886.36	3,885.65	0.71	5,450.010		
300.00	300.00	225.10	225.10	0.85	0.39	-62.70	1,782.66	-3,453.44	3,886.40	3,885.15	1.24	3,121.745		
400.00	399.98	324.25	324.25	1.20	0.57	65.39	1,782.53	-3,453.57	3,885.73	3,883.97	1.76	2,202.440		
500.00	499.84	423.28	423.28	1.55	0.74	65.49	1,782.36	-3,453.74	3,883.63	3,881.35	2.28	1,700.619		
600.00	599.45	522.10	522.10	1.91	0.91	65.67	1,782.15	-3,453.97	3,880.12	3,877.30	2.82	1,376.753		
700.00	698.70	620.57	620.57	2.29	1.09	65.91	1,781.89	-3,454.24	3,875.21	3,871.84	3.37	1,149.644		
800.00	797.47	718.60	718.60	2.70	1.26	66.23	1,781.59	-3,454.55	3,868.95	3,865.00	3.95	980.662		
900.00	895.62	816.06	816.06	3.14	1.43	66.62	1,781.25	-3,454.91	3,861.36	3,856.81	4.55	849.346		
1,000.00	993.06	898.63	898.62	3.62	1.77	67.02	1,781.07	-3,455.41	3,852.73	3,847.38	5.35	719.954		
1,100.00	1,089.64	983.62	983.62	4.14	2.07	67.50	1,781.01	-3,456.13	3,843.15	3,837.00	6.15	624.532		
1,200.00	1,185.27	1,067.84	1,067.83	4.70	2.37	68.03	1,781.09	-3,457.05	3,832.70	3,825.71	7.00	547.918		
1,300.00	1,279.82	1,151.19	1,151.16	5.31	2.67	68.62	1,781.31	-3,458.18	3,821.45	3,813.57	7.88	484.996		
1,400.00	1,373.17	1,233.56	1,233.53	5.98	2.96	69.25	1,781.65	-3,459.51	3,809.47	3,800.66	8.81	432.397		
1,500.00	1,465.22	1,314.88	1,314.83	6.70	3.25	69.91	1,782.12	-3,461.02	3,796.85	3,787.06	9.79	387.823		
1,600.00	1,556.72	1,394.10	1,394.03	7.45	3.53	70.37	1,782.69	-3,462.71	3,784.39	3,773.59	10.80	350.532		
1,700.00	1,648.21	1,473.37	1,473.27	8.21	3.81	70.82	1,783.39	-3,464.64	3,772.61	3,760.79	11.82	319.208		
1,800.00	1,739.71	1,552.72	1,552.59	8.99	4.10	71.28	1,784.20	-3,466.82	3,761.51	3,748.65	12.85	292.621		
1,900.00	1,831.20	1,632.17	1,631.99	9.77	4.38	71.74	1,785.12	-3,469.24	3,751.09	3,737.19	13.90	269.835		
2,000.00	1,922.69	1,711.70	1,711.47	10.56	4.66	72.20	1,786.17	-3,471.91	3,741.36	3,726.40	14.96	250.133		
2,100.00	2,014.19	1,791.31	1,791.03	11.35	4.95	72.66	1,787.33	-3,474.83	3,732.32	3,716.30	16.02	232.958		
2,200.00	2,105.68	1,877.47	1,877.11	12.14	5.26	73.16	1,788.72	-3,478.23	3,723.94	3,706.83	17.11	217.586		
2,300.00	2,197.18	1,960.34	1,979.89	12.94	5.62	73.77	1,790.54	-3,482.02	3,715.84	3,697.56	18.27	203.346		
2,400.00	2,288.67	2,042.82	2,082.30	13.74	5.99	74.38	1,792.50	-3,485.32	3,707.86	3,688.42	19.44	190.765		
2,500.00	2,380.17	2,124.92	2,184.34	14.54	6.35	75.00	1,794.62	-3,488.15	3,700.03	3,679.43	20.60	179.588		
2,600.00	2,471.66	2,206.62	2,285.99	15.35	6.72	75.62	1,796.89	-3,490.49	3,692.36	3,670.59	21.77	169.596		
2,700.00	2,563.16	2,287.93	2,387.25	16.15	7.08	76.25	1,799.31	-3,492.37	3,684.86	3,661.92	22.94	160.616		
2,800.00	2,654.65	2,472.93	2,472.21	16.96	7.38	76.78	1,801.41	-3,493.87	3,677.78	3,653.72	24.06	152.865		
2,900.00	2,746.15	2,559.67	2,558.91	17.76	7.69	77.33	1,803.60	-3,495.50	3,671.25	3,646.06	25.18	145.772		
3,000.00	2,837.64	2,646.47	2,645.66	18.57	8.00	77.87	1,805.83	-3,497.24	3,665.27	3,638.95	26.31	139.294		
3,100.00	2,929.14	2,733.31	2,732.45	19.38	8.31	78.42	1,808.11	-3,499.09	3,659.84	3,632.40	27.44	133.359		
3,200.00	3,020.63	2,820.19	2,819.28	20.19	8.62	78.96	1,810.42	-3,501.05	3,654.97	3,626.39	28.58	127.904		
3,300.00	3,112.13	2,907.47	2,906.50	21.00	8.93	79.51	1,812.79	-3,503.13	3,650.65	3,620.93	29.71	122.871		
3,400.00	3,203.62	3,003.92	3,002.89	21.81	9.28	80.12	1,815.40	-3,505.41	3,646.75	3,615.87	30.88	118.084		
3,500.00	3,295.12	3,100.33	3,099.24	22.63	9.62	80.73	1,817.96	-3,507.57	3,643.18	3,611.12	32.05	113.654		
3,600.00	3,386.61	3,196.68	3,195.54	23.44	9.97	81.34	1,820.46	-3,509.60	3,639.93	3,606.70	33.23	109.545		
3,700.00	3,478.10	3,292.99	3,291.79	24.25	10.32	81.96	1,822.90	-3,511.50	3,637.00	3,602.60	34.40	105.724		
3,800.00	3,569.60	3,389.24	3,388.00	25.06	10.66	82.57	1,825.29	-3,513.27	3,634.40	3,598.83	35.57	102.164		
3,900.00	3,661.09	3,486.82	3,485.54	25.88	11.01	83.19	1,827.63	-3,514.96	3,632.12	3,595.37	36.75	98.826		
4,000.00	3,752.59	3,586.00	3,584.68	26.69	11.37	83.83	1,829.73	-3,516.66	3,630.11	3,592.17	37.94	95.687		
4,100.00	3,844.08	3,685.36	3,684.01	27.50	11.72	84.46	1,831.54	-3,518.38	3,628.35	3,589.22	39.12	92.745		
4,200.00	3,935.58	3,784.90	3,783.53	28.32	12.08	85.08	1,833.04	-3,520.11	3,626.83	3,586.52	40.31	89.982		
4,300.00	4,027.07	3,884.63	3,883.23	29.13	12.44	85.71	1,834.24	-3,521.85	3,625.55	3,584.06	41.49	87.384		
4,400.00	4,118.57	3,984.53	3,983.11	29.95	12.80	86.34	1,835.14	-3,523.60	3,624.50	3,581.83	42.67	84.936		
4,500.00	4,210.06	4,076.44	4,075.00	30.76	13.13	86.91	1,835.81	-3,525.24	3,623.79	3,579.96	43.83	82.684		
4,600.00	4,301.56	4,169.13	4,167.67	31.58	13.46	87.49	1,836.42	-3,526.95	3,623.49	3,578.51	44.98	80.554		
4,623.59	4,323.14	4,191.00	4,189.54	31.77	13.54	87.63	1,836.55	-3,527.36	3,623.48	3,578.23	45.25	80.070		
4,700.00	4,393.05	4,261.88	4,260.41	32.39	13.79	88.07	1,836.95	-3,528.71	3,623.60	3,577.46	46.14	78.543		
4,800.00	4,484.55	4,354.71	4,353.22	33.21	14.13	88.64	1,837.42	-3,530.52	3,624.11	3,576.82	47.29	76.641		
4,900.00	4,576.04	4,447.60	4,446.09	34.02	14.46	89.22	1,837.83	-3,532.37	3,625.02	3,576.59	48.44	74.842		
5,000.00	4,667.54	4,543.68	4,542.15	34.84	14.80	89.81	1,838.16	-3,534.34	3,626.33	3,576.74	49.59	73.121		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT SHELTON 18-25XX GYRO - OWB - FINAL													Offset Site Error:	0.00 usft
Survey Program: 789-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	4,759.03	4,649.62	4,648.07	35.65	15.18	90.46	1,838.20	-3,536.45	3,627.80	3,577.01	50.78	71.437		
5,200.00	4,850.53	4,755.71	4,754.13	36.47	15.56	91.11	1,837.82	-3,538.44	3,629.33	3,577.36	51.97	69.835		
5,300.00	4,942.02	4,856.01	4,854.42	37.28	15.91	91.72	1,837.14	-3,540.22	3,630.97	3,577.84	53.13	68.340		
5,400.00	5,033.51	4,954.05	4,952.44	38.10	16.26	92.32	1,836.36	-3,541.83	3,632.87	3,578.59	54.28	66.929		
5,500.00	5,125.01	5,052.06	5,050.44	38.92	16.61	92.92	1,835.48	-3,543.31	3,635.03	3,579.61	55.42	65.585		
5,600.00	5,216.50	5,144.33	5,142.70	39.73	16.93	93.48	1,834.65	-3,544.59	3,637.55	3,581.00	56.54	64.331		
5,700.00	5,308.00	6,038.93	6,025.56	40.55	19.96	98.47	1,734.53	-3,534.86	3,638.90	3,579.74	59.16	61.508		
5,800.00	5,399.49	5,800.00	6,117.77	41.36	19.16	98.92	1,711.11	-3,532.88	3,621.75	3,562.62	59.13	61.251		
5,900.00	5,490.99	6,223.01	6,203.76	42.18	20.61	99.33	1,688.53	-3,531.49	3,604.47	3,543.11	61.36	58.739		
6,000.00	5,582.48	6,272.00	6,251.30	43.00	20.79	99.57	1,676.72	-3,530.78	3,588.46	3,526.01	62.45	57.462		
6,100.00	5,673.98	6,329.58	6,307.41	43.81	21.01	99.86	1,663.85	-3,529.54	3,573.79	3,510.26	63.53	56.254		
6,200.00	5,765.47	6,400.00	6,376.27	44.63	21.27	100.23	1,649.30	-3,527.20	3,560.22	3,495.61	64.61	55.103		
6,300.00	5,856.97	6,464.00	6,439.01	45.45	21.50	100.59	1,636.98	-3,524.36	3,547.58	3,481.90	65.68	54.014		
6,400.00	5,948.46	6,528.00	6,501.90	46.26	21.74	100.97	1,625.63	-3,520.89	3,536.04	3,469.30	66.74	52.983		
6,500.00	6,039.96	6,564.86	6,538.21	47.08	21.87	101.19	1,619.73	-3,518.73	3,526.00	3,458.24	67.77	52.033		
6,600.00	6,131.45	6,607.03	6,579.87	47.90	22.02	101.46	1,613.60	-3,516.27	3,517.68	3,448.90	68.78	51.144		
6,700.00	6,222.95	6,649.05	6,621.46	48.71	22.18	101.72	1,608.16	-3,513.84	3,511.08	3,441.30	69.78	50.319		
6,800.00	6,314.44	6,686.00	6,658.11	49.53	22.31	101.96	1,603.92	-3,511.72	3,506.23	3,435.48	70.75	49.559		
6,900.00	6,405.93	6,747.44	6,719.14	50.35	22.53	102.37	1,597.73	-3,508.17	3,502.91	3,431.17	71.74	48.828		
7,000.00	6,497.01	6,782.00	6,753.49	51.18	22.65	97.65	1,594.62	-3,506.14	3,500.50	3,427.82	72.68	48.161		
7,100.00	6,582.62	6,846.00	6,817.21	52.20	22.87	90.18	1,589.88	-3,502.44	3,493.19	3,419.35	73.84	47.307		
7,200.00	6,659.25	6,846.00	6,817.21	53.42	22.87	86.37	1,589.88	-3,502.44	3,480.14	3,405.10	75.04	46.375		
7,300.00	6,724.59	6,846.00	6,817.21	54.84	22.87	84.95	1,589.88	-3,502.44	3,462.42	3,386.02	76.40	45.322		
7,400.00	6,776.64	6,846.00	6,817.21	56.40	22.87	85.11	1,589.88	-3,502.44	3,440.49	3,362.61	77.88	44.179		
7,500.00	6,813.82	6,846.00	6,817.21	58.08	22.87	86.44	1,589.88	-3,502.44	3,414.94	3,335.49	79.45	42.981		
7,600.00	6,835.01	6,846.00	6,817.21	59.82	22.87	88.67	1,589.88	-3,502.44	3,386.49	3,305.40	81.09	41.764		
7,700.00	6,840.00	6,846.00	6,817.21	61.57	22.87	90.90	1,589.88	-3,502.44	3,356.03	3,273.31	82.73	40.567		
7,800.00	6,840.00	6,846.00	6,817.21	63.35	22.87	90.90	1,589.88	-3,502.44	3,326.99	3,242.61	84.39	39.426		
7,900.00	6,840.00	6,846.00	6,817.21	65.20	22.87	90.90	1,589.88	-3,502.44	3,300.73	3,214.65	86.08	38.346		
8,000.00	6,840.00	6,846.00	6,817.21	67.10	22.87	90.90	1,589.88	-3,502.44	3,277.31	3,189.52	87.79	37.331		
8,100.00	6,840.00	6,846.00	6,817.21	69.05	22.87	90.90	1,589.88	-3,502.44	3,256.79	3,167.27	89.52	36.382		
8,200.00	6,840.00	6,846.00	6,817.21	71.06	22.87	90.90	1,589.88	-3,502.44	3,239.23	3,147.98	91.25	35.498		
8,300.00	6,840.00	6,846.00	6,817.21	73.11	22.87	90.90	1,589.88	-3,502.44	3,224.68	3,131.69	92.98	34.681		
8,400.00	6,840.00	6,846.00	6,817.21	75.21	22.87	90.90	1,589.88	-3,502.44	3,213.17	3,118.47	94.70	33.929		
8,500.00	6,840.00	6,846.00	6,817.21	77.34	22.87	90.90	1,589.88	-3,502.44	3,204.75	3,108.34	96.41	33.242		
8,600.00	6,840.00	6,846.00	6,817.21	79.51	22.87	90.90	1,589.88	-3,502.44	3,199.43	3,101.34	98.08	32.620		
8,700.00	6,840.00	6,846.00	6,817.21	81.72	22.87	90.90	1,589.88	-3,502.44	3,197.23	3,097.50	99.72	32.062		
8,720.35	6,840.00	6,846.00	6,817.21	82.17	22.87	90.90	1,589.88	-3,502.44	3,197.16	3,097.11	100.05	31.955 CC		
8,800.00	6,840.00	6,846.00	6,817.21	83.95	22.87	90.90	1,589.88	-3,502.44	3,198.15	3,096.83	101.32	31.565 ES		
8,900.00	6,840.00	6,846.00	6,817.21	86.22	22.87	90.90	1,589.88	-3,502.44	3,202.20	3,099.33	102.87	31.128		
9,000.00	6,840.00	6,846.00	6,817.21	88.51	22.87	90.90	1,589.88	-3,502.44	3,209.37	3,105.00	104.37	30.750		
9,100.00	6,840.00	6,846.00	6,817.21	90.83	22.87	90.90	1,589.88	-3,502.44	3,219.62	3,113.81	105.81	30.428		
9,200.00	6,840.00	6,846.00	6,817.21	93.16	22.87	90.90	1,589.88	-3,502.44	3,232.94	3,125.75	107.19	30.162		
9,300.00	6,840.00	6,846.00	6,817.21	95.52	22.87	90.90	1,589.88	-3,502.44	3,249.28	3,140.79	108.49	29.949		
9,400.00	6,840.00	6,846.00	6,817.21	97.90	22.87	90.90	1,589.88	-3,502.44	3,268.60	3,158.87	109.73	29.787		
9,500.00	6,840.00	6,846.00	6,817.21	100.30	22.87	90.90	1,589.88	-3,502.44	3,290.85	3,179.95	110.90	29.673		
9,600.00	6,840.00	6,846.00	6,817.21	102.72	22.87	90.90	1,589.88	-3,502.44	3,315.96	3,203.97	112.00	29.608		
9,700.00	6,840.00	6,846.00	6,817.21	105.15	22.87	90.90	1,589.88	-3,502.44	3,343.88	3,230.86	113.02	29.587 SF		
9,800.00	6,840.00	6,846.00	6,817.21	107.59	22.87	90.90	1,589.88	-3,502.44	3,374.53	3,260.57	113.97	29.610		
9,900.00	6,840.00	6,846.00	6,817.21	110.05	22.87	90.90	1,589.88	-3,502.44	3,407.84	3,293.00	114.84	29.674		
10,000.00	6,840.00	6,846.00	6,817.21	112.52	22.87	90.90	1,589.88	-3,502.44	3,443.74	3,328.09	115.65	29.777		
10,100.00	6,840.00	6,846.00	6,817.21	115.00	22.87	90.90	1,589.88	-3,502.44	3,482.13	3,365.75	116.39	29.919		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT SHELTON 18-25XX GYRO - OWB - FINAL													Offset Site Error:	0.00 usft
Survey Program: 789-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		
10,200.00	6,840.00	6,846.00	6,817.21	117.50	22.87	90.90	1,589.88	-3,502.44	3,522.95	3,405.90	117.05	30.097		
10,300.00	6,840.00	6,846.00	6,817.21	120.00	22.87	90.90	1,589.88	-3,502.44	3,566.11	3,448.45	117.66	30.309		
10,400.00	6,840.00	6,846.00	6,817.21	122.51	22.87	90.90	1,589.88	-3,502.44	3,611.52	3,493.32	118.20	30.554		
10,500.00	6,840.00	6,846.00	6,817.21	125.04	22.87	90.90	1,589.88	-3,502.44	3,659.10	3,540.41	118.68	30.831		
10,600.00	6,840.00	6,846.00	6,817.21	127.57	22.87	90.90	1,589.88	-3,502.44	3,708.76	3,589.65	119.11	31.137		
10,700.00	6,840.00	6,846.00	6,817.21	130.11	22.87	90.90	1,589.88	-3,502.44	3,760.43	3,640.94	119.49	31.472		
10,800.00	6,840.00	6,846.00	6,817.21	132.66	22.87	90.90	1,589.88	-3,502.44	3,814.02	3,694.21	119.81	31.834		
10,900.00	6,840.00	6,846.00	6,817.21	135.21	22.87	90.90	1,589.88	-3,502.44	3,869.46	3,749.37	120.09	32.221		
11,000.00	6,840.00	6,846.00	6,817.21	137.77	22.87	90.90	1,589.88	-3,502.44	3,926.66	3,806.33	120.33	32.634		
11,100.00	6,840.00	6,846.00	6,817.21	140.34	22.87	90.90	1,589.88	-3,502.44	3,985.54	3,865.02	120.52	33.069		
11,200.00	6,840.00	6,846.00	6,817.21	142.91	22.87	90.90	1,589.88	-3,502.44	4,046.05	3,925.37	120.68	33.528		
11,300.00	6,840.00	6,846.00	6,817.21	145.49	22.87	90.90	1,589.88	-3,502.44	4,108.09	3,987.29	120.80	34.007		
11,400.00	6,840.00	6,846.00	6,817.21	148.07	22.87	90.90	1,589.88	-3,502.44	4,171.61	4,050.72	120.89	34.506		
11,500.00	6,840.00	6,846.00	6,817.21	150.66	22.87	90.90	1,589.88	-3,502.44	4,236.54	4,115.58	120.96	35.025		
11,600.00	6,840.00	6,846.00	6,817.21	153.25	22.87	90.90	1,589.88	-3,502.44	4,302.81	4,181.82	120.99	35.563		
11,700.00	6,840.00	6,846.00	6,817.21	155.85	22.87	90.90	1,589.88	-3,502.44	4,370.37	4,249.36	121.00	36.117		
11,800.00	6,840.00	6,846.00	6,817.21	158.45	22.87	90.90	1,589.88	-3,502.44	4,439.15	4,318.16	121.00	36.689		
11,900.00	6,840.00	6,830.23	6,801.50	161.06	22.82	90.62	1,590.91	-3,503.33	4,509.04	4,388.13	120.91	37.291		
12,000.00	6,840.00	6,827.44	6,798.71	163.67	22.81	90.57	1,591.10	-3,503.49	4,580.09	4,459.23	120.86	37.896		
12,100.00	6,840.00	6,824.63	6,795.91	166.28	22.80	90.52	1,591.29	-3,503.65	4,652.19	4,531.41	120.79	38.516		
12,200.00	6,840.00	6,821.80	6,793.10	168.90	22.79	90.47	1,591.49	-3,503.82	4,725.31	4,604.62	120.70	39.150		
12,300.00	6,840.00	6,818.97	6,790.28	171.52	22.78	90.42	1,591.70	-3,503.98	4,799.40	4,678.80	120.60	39.797		
12,400.00	6,840.00	6,816.12	6,787.44	174.15	22.77	90.37	1,591.90	-3,504.14	4,874.41	4,753.92	120.49	40.456		
12,500.00	6,840.00	6,813.25	6,784.59	176.77	22.76	90.32	1,592.11	-3,504.31	4,950.29	4,829.93	120.36	41.128		
12,600.00	6,840.00	6,810.37	6,781.72	179.40	22.75	90.26	1,592.33	-3,504.47	5,027.02	4,906.79	120.23	41.811		
12,700.00	6,840.00	6,807.48	6,778.85	182.04	22.74	90.21	1,592.55	-3,504.64	5,104.55	4,984.46	120.09	42.505		
12,800.00	6,840.00	6,804.58	6,775.95	184.67	22.73	90.16	1,592.77	-3,504.81	5,182.85	5,062.90	119.95	43.209		
12,900.00	6,840.00	6,801.66	6,773.05	187.31	22.72	90.11	1,593.00	-3,504.98	5,261.88	5,142.08	119.80	43.924		
13,000.00	6,840.00	6,798.72	6,770.13	189.95	22.71	90.06	1,593.24	-3,505.15	5,341.61	5,221.97	119.64	44.648		
13,100.00	6,840.00	6,795.77	6,767.19	192.59	22.70	90.00	1,593.47	-3,505.32	5,422.00	5,302.53	119.48	45.381		
13,200.00	6,840.00	6,782.00	6,753.49	195.24	22.65	89.76	1,594.62	-3,506.14	5,503.06	5,383.78	119.28	46.135		
13,300.00	6,840.00	6,782.00	6,753.49	197.88	22.65	89.76	1,594.62	-3,506.14	5,584.70	5,465.58	119.12	46.882		
13,400.00	6,840.00	6,782.00	6,753.49	200.53	22.65	89.76	1,594.62	-3,506.14	5,666.93	5,547.97	118.96	47.637		
13,500.00	6,840.00	6,782.00	6,753.49	203.18	22.65	89.76	1,594.62	-3,506.14	5,749.72	5,630.92	118.80	48.400		
13,600.00	6,840.00	6,782.00	6,753.49	205.83	22.65	89.76	1,594.62	-3,506.14	5,833.05	5,714.42	118.63	49.170		
13,700.00	6,840.00	6,782.00	6,753.49	208.49	22.65	89.76	1,594.62	-3,506.14	5,916.89	5,798.43	118.46	49.948		
13,800.00	6,840.00	6,782.00	6,753.49	211.14	22.65	89.76	1,594.62	-3,506.14	6,001.23	5,882.94	118.29	50.731		
13,900.00	6,840.00	6,782.00	6,753.49	213.80	22.65	89.76	1,594.62	-3,506.14	6,086.05	5,967.92	118.13	51.522		
14,000.00	6,840.00	6,782.00	6,753.49	216.46	22.65	89.76	1,594.62	-3,506.14	6,171.32	6,053.36	117.96	52.318		
14,100.00	6,840.00	6,764.36	6,735.95	219.12	22.59	89.44	1,596.18	-3,507.18	6,256.98	6,139.24	117.74	53.141		
14,200.00	6,840.00	6,761.11	6,732.72	221.78	22.58	89.39	1,596.47	-3,507.37	6,343.09	6,225.52	117.57	53.953		
14,300.00	6,840.00	6,757.86	6,729.49	224.45	22.56	89.33	1,596.77	-3,507.56	6,429.59	6,312.20	117.39	54.770		
14,400.00	6,840.00	6,754.63	6,726.27	227.11	22.55	89.27	1,597.07	-3,507.75	6,516.48	6,399.26	117.22	55.593		
14,500.00	6,840.00	6,751.40	6,723.06	229.78	22.54	89.21	1,597.36	-3,507.94	6,603.74	6,486.69	117.05	56.420		
14,600.00	6,840.00	6,748.17	6,719.86	232.45	22.53	89.16	1,597.67	-3,508.13	6,691.35	6,574.48	116.87	57.253		
14,700.00	6,840.00	6,744.96	6,716.67	235.12	22.52	89.10	1,597.97	-3,508.31	6,779.30	6,662.60	116.70	58.089		
14,800.00	6,840.00	6,741.75	6,713.48	237.79	22.51	89.04	1,598.27	-3,508.50	6,867.58	6,751.05	116.54	58.931		
14,900.00	6,840.00	6,738.55	6,710.30	240.46	22.50	88.99	1,598.58	-3,508.69	6,956.18	6,839.81	116.37	59.776		
15,000.00	6,840.00	6,735.35	6,707.12	243.13	22.48	88.93	1,598.89	-3,508.87	7,045.07	6,928.87	116.21	60.626		
15,100.00	6,840.00	6,732.17	6,703.95	245.80	22.47	88.87	1,599.19	-3,509.06	7,134.26	7,018.21	116.04	61.479		
15,200.00	6,840.00	6,728.99	6,700.79	248.48	22.46	88.82	1,599.50	-3,509.24	7,223.73	7,107.84	115.88	62.336		
15,300.00	6,840.00	6,725.81	6,697.64	251.15	22.45	88.76	1,599.82	-3,509.43	7,313.46	7,197.74	115.73	63.197		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT SHELTON 18-25XX GYRO - OWB - FINAL													Offset Site Error: 0.00 usft	
Survey Program: 789-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)			
15,400.00	6,840.00	6,722.64	6,694.49	253.83	22.44	88.70	1,600.13	-3,509.61	7,403.46	7,287.89	115.57	64.061		
15,500.00	6,840.00	6,719.48	6,691.35	256.51	22.43	88.65	1,600.45	-3,509.80	7,493.71	7,378.30	115.42	64.928		
15,600.00	6,840.00	6,716.33	6,688.22	259.19	22.42	88.59	1,600.76	-3,509.98	7,584.21	7,468.94	115.26	65.799		
15,700.00	6,840.00	6,713.18	6,685.09	261.87	22.41	88.54	1,601.08	-3,510.16	7,674.93	7,559.82	115.11	66.672		
15,800.00	6,840.00	6,710.04	6,681.98	264.55	22.40	88.48	1,601.40	-3,510.34	7,765.88	7,650.91	114.97	67.548		
15,900.00	6,840.00	6,706.91	6,678.86	267.23	22.38	88.43	1,601.72	-3,510.52	7,857.05	7,742.23	114.82	68.427		
16,000.00	6,840.00	6,703.78	6,675.76	269.91	22.37	88.37	1,602.05	-3,510.70	7,948.43	7,833.75	114.68	69.309		
16,100.00	6,840.00	6,686.00	6,658.11	272.59	22.31	88.06	1,603.92	-3,511.72	8,040.04	7,925.53	114.51	70.213		
16,200.00	6,840.00	6,686.00	6,658.11	275.28	22.31	88.06	1,603.92	-3,511.72	8,131.80	8,017.42	114.38	71.095		
16,300.00	6,840.00	6,686.00	6,658.11	277.96	22.31	88.06	1,603.92	-3,511.72	8,223.76	8,109.51	114.25	71.980		
16,400.00	6,840.00	6,686.00	6,658.11	280.64	22.31	88.06	1,603.92	-3,511.72	8,315.91	8,201.78	114.12	72.867		
16,500.00	6,840.00	6,686.00	6,658.11	283.33	22.31	88.06	1,603.92	-3,511.72	8,408.23	8,294.23	114.00	73.756		
16,600.00	6,840.00	6,686.00	6,658.11	286.02	22.31	88.06	1,603.92	-3,511.72	8,500.73	8,386.85	113.88	74.647		
16,700.00	6,840.00	6,686.00	6,658.11	288.70	22.31	88.06	1,603.92	-3,511.72	8,593.40	8,479.64	113.76	75.539		
16,800.00	6,840.00	6,686.00	6,658.11	291.39	22.31	88.06	1,603.92	-3,511.72	8,686.23	8,572.59	113.64	76.434		
16,900.00	6,840.00	6,686.00	6,658.11	294.08	22.31	88.06	1,603.92	-3,511.72	8,779.22	8,665.69	113.53	77.330		
17,000.00	6,840.00	6,686.00	6,658.11	296.77	22.31	88.06	1,603.92	-3,511.72	8,872.36	8,758.94	113.42	78.228		
17,100.00	6,840.00	6,686.00	6,658.11	299.46	22.31	88.06	1,603.92	-3,511.72	8,965.64	8,852.34	113.31	79.128		
17,200.00	6,840.00	6,686.00	6,658.11	302.14	22.31	88.06	1,603.92	-3,511.72	9,059.07	8,945.88	113.20	80.028		
17,300.00	6,840.00	6,686.00	6,658.11	304.84	22.31	88.06	1,603.92	-3,511.72	9,152.64	9,039.55	113.09	80.931		
17,400.00	6,840.00	6,686.00	6,658.11	307.53	22.31	88.06	1,603.92	-3,511.72	9,246.35	9,133.36	112.99	81.834		
17,500.00	6,840.00	6,686.00	6,658.11	310.22	22.31	88.06	1,603.92	-3,511.72	9,340.18	9,227.30	112.89	82.739		
17,600.00	6,840.00	6,686.00	6,658.11	312.91	22.31	88.06	1,603.92	-3,511.72	9,434.14	9,321.36	112.79	83.645		
17,700.00	6,840.00	6,686.00	6,658.11	315.60	22.31	88.06	1,603.92	-3,511.72	9,528.23	9,415.54	112.69	84.552		
17,800.00	6,840.00	6,652.15	6,624.54	318.29	22.19	87.46	1,607.78	-3,513.66	9,622.31	9,509.78	112.53	85.509		
17,900.00	6,840.00	6,649.38	6,621.79	320.99	22.18	87.41	1,608.12	-3,513.82	9,716.61	9,604.17	112.43	86.422		
18,000.00	6,840.00	6,646.59	6,619.03	323.68	22.17	87.37	1,608.46	-3,513.98	9,811.02	9,698.68	112.34	87.336		
18,100.00	6,840.00	6,643.81	6,616.27	326.38	22.16	87.32	1,608.80	-3,514.15	9,905.54	9,793.29	112.24	88.251		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT SHELTON 18-25XX GYRO - STK - STK													Offset Site Error:	0.00 usft
Survey Program: 789-MWD OWSG, 1317-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	-62.69	1,782.77	-3,453.31	3,887.03					
100.00	100.00	26.77	26.77	0.13	0.05	-62.69	1,782.77	-3,453.32	3,886.34	3,886.16	0.18	N/A		
200.00	200.00	125.94	125.94	0.49	0.22	-62.70	1,782.74	-3,453.35	3,886.36	3,885.65	0.71	5,450.010		
300.00	300.00	225.10	225.10	0.85	0.39	-62.70	1,782.66	-3,453.44	3,886.40	3,885.15	1.24	3,121.745		
400.00	399.98	324.25	324.25	1.20	0.57	65.39	1,782.53	-3,453.57	3,885.73	3,883.97	1.76	2,202.440		
500.00	499.84	423.28	423.28	1.55	0.74	65.49	1,782.36	-3,453.74	3,883.63	3,881.35	2.28	1,700.619		
600.00	599.45	522.10	522.10	1.91	0.91	65.67	1,782.15	-3,453.97	3,880.12	3,877.30	2.82	1,376.753		
700.00	698.70	620.57	620.57	2.29	1.09	65.91	1,781.89	-3,454.24	3,875.21	3,871.84	3.37	1,149.644		
800.00	797.47	718.60	718.60	2.70	1.26	66.23	1,781.59	-3,454.55	3,868.95	3,865.00	3.95	980.662		
900.00	895.62	816.06	816.06	3.14	1.43	66.62	1,781.25	-3,454.91	3,861.36	3,856.81	4.55	849.346		
1,000.00	993.06	898.63	898.62	3.62	1.61	67.02	1,781.07	-3,455.41	3,852.73	3,847.53	5.20	741.305		
1,100.00	1,089.64	983.62	983.62	4.14	1.80	67.50	1,781.01	-3,456.13	3,843.15	3,837.27	5.88	653.595		
1,200.00	1,185.27	1,067.84	1,067.83	4.70	1.98	68.03	1,781.09	-3,457.05	3,832.70	3,826.10	6.60	580.448		
1,300.00	1,279.82	1,151.19	1,151.16	5.31	2.16	68.62	1,781.31	-3,458.18	3,821.45	3,814.08	7.37	518.503		
1,400.00	1,373.17	1,233.56	1,233.53	5.98	2.33	69.25	1,781.65	-3,459.51	3,809.47	3,801.28	8.19	465.413		
1,500.00	1,465.22	1,314.88	1,314.83	6.70	2.51	69.91	1,782.12	-3,461.02	3,796.85	3,787.80	9.05	419.502		
1,600.00	1,556.72	1,394.10	1,394.03	7.45	2.69	70.37	1,782.69	-3,462.71	3,784.39	3,774.44	9.95	380.346		
1,700.00	1,648.21	1,473.37	1,473.27	8.21	2.86	70.82	1,783.39	-3,464.64	3,772.61	3,761.74	10.87	347.204		
1,800.00	1,739.71	1,552.72	1,552.59	8.99	3.04	71.28	1,784.20	-3,466.82	3,761.51	3,749.71	11.79	318.909		
1,900.00	1,831.20	1,632.17	1,631.99	9.77	3.22	71.74	1,785.12	-3,469.24	3,751.09	3,738.36	12.74	294.546		
2,000.00	1,922.69	1,711.70	1,711.47	10.56	3.40	72.20	1,786.17	-3,471.91	3,741.36	3,727.68	13.68	273.404		
2,100.00	2,014.19	1,791.31	1,791.03	11.35	3.58	72.66	1,787.33	-3,474.83	3,732.32	3,717.68	14.64	254.920		
2,200.00	2,105.68	1,877.47	1,877.11	12.14	3.79	73.16	1,788.72	-3,478.23	3,723.94	3,708.30	15.64	238.067		
2,300.00	2,197.18	1,960.34	1,959.89	12.94	4.11	73.77	1,790.54	-3,482.02	3,715.84	3,699.09	16.75	221.865		
2,400.00	2,288.67	2,042.82	2,042.30	13.74	4.42	74.38	1,792.50	-3,485.32	3,707.86	3,690.00	17.86	207.629		
2,500.00	2,380.17	2,124.92	2,124.34	14.54	4.73	75.00	1,794.62	-3,488.15	3,700.03	3,681.06	18.97	195.030		
2,600.00	2,471.66	2,206.62	2,205.99	15.35	5.05	75.62	1,796.89	-3,490.49	3,692.36	3,672.27	20.09	183.807		
2,700.00	2,563.16	2,287.93	2,287.25	16.15	5.36	76.25	1,799.31	-3,492.37	3,684.86	3,663.65	21.21	173.753		
2,800.00	2,654.65	2,369.23	2,368.51	16.96	5.64	76.78	1,801.41	-3,493.87	3,677.78	3,655.47	22.31	164.872		
2,900.00	2,746.15	2,450.67	2,449.91	17.76	5.93	77.33	1,803.60	-3,495.50	3,671.25	3,647.84	23.41	156.813		
3,000.00	2,837.64	2,532.17	2,531.46	18.57	6.22	77.87	1,805.83	-3,497.24	3,665.27	3,640.75	24.52	149.487		
3,100.00	2,929.14	2,613.31	2,612.55	19.38	6.51	78.42	1,808.11	-3,499.09	3,659.84	3,634.21	25.63	142.804		
3,200.00	3,020.63	2,694.19	2,693.41	20.19	6.80	78.96	1,810.42	-3,501.05	3,654.97	3,628.23	26.74	136.686		
3,300.00	3,112.13	2,774.47	2,773.67	21.00	7.09	79.51	1,812.79	-3,503.13	3,650.65	3,622.79	27.85	131.062		
3,400.00	3,203.62	2,854.92	2,854.09	21.81	7.42	80.12	1,815.40	-3,505.41	3,646.75	3,617.74	29.01	125.697		
3,500.00	3,295.12	2,935.33	2,934.48	22.63	7.76	80.73	1,817.96	-3,507.57	3,643.18	3,613.01	30.17	120.750		
3,600.00	3,386.61	3,015.68	3,014.81	23.44	8.09	81.34	1,820.46	-3,509.60	3,639.93	3,608.60	31.33	116.178		
3,700.00	3,478.10	3,095.99	3,095.11	24.25	8.42	81.96	1,822.90	-3,511.50	3,637.00	3,604.51	32.49	111.941		
3,800.00	3,569.60	3,176.24	3,175.34	25.06	8.75	82.57	1,825.29	-3,513.27	3,634.40	3,600.75	33.65	108.006		
3,900.00	3,661.09	3,256.52	3,255.61	25.88	9.09	83.19	1,827.63	-3,514.96	3,632.12	3,597.30	34.82	104.320		
4,000.00	3,752.59	3,336.80	3,335.88	26.69	9.44	83.83	1,829.73	-3,516.66	3,630.11	3,594.11	35.99	100.858		
4,100.00	3,844.08	3,417.13	3,416.20	27.50	9.78	84.46	1,831.54	-3,518.38	3,628.35	3,591.18	37.17	97.623		
4,200.00	3,935.58	3,497.40	3,496.46	28.32	10.13	85.08	1,833.04	-3,520.11	3,626.83	3,588.49	38.34	94.592		
4,300.00	4,027.07	3,577.63	3,576.68	29.13	10.48	85.71	1,834.24	-3,521.85	3,625.55	3,586.03	39.52	91.749		
4,400.00	4,118.57	3,657.83	3,656.87	29.95	10.83	86.34	1,835.14	-3,523.60	3,624.50	3,583.81	40.69	89.077		
4,500.00	4,210.06	3,738.04	3,737.07	30.76	11.15	86.91	1,835.81	-3,525.24	3,623.79	3,581.95	41.84	86.618		
4,600.00	4,301.56	3,818.23	3,817.26	31.58	11.48	87.49	1,836.42	-3,526.95	3,623.49	3,580.51	42.98	84.298		
4,623.59	4,323.14	3,839.00	3,838.02	31.77	11.55	87.63	1,836.55	-3,527.36	3,623.48	3,580.22	43.25	83.771		
4,700.00	4,393.05	3,919.18	3,918.20	32.39	11.80	88.07	1,836.95	-3,528.71	3,623.60	3,579.47	44.13	82.111		
4,800.00	4,484.55	4,000.61	3,999.62	33.21	12.13	88.64	1,837.42	-3,530.52	3,624.11	3,578.84	45.27	80.048		
4,900.00	4,576.04	4,082.09	4,081.09	34.02	12.45	89.22	1,837.83	-3,532.37	3,625.02	3,578.61	46.42	78.098		
5,000.00	4,667.54	4,163.58	4,162.57	34.84	12.79	89.81	1,838.16	-3,534.34	3,626.33	3,578.76	47.57	76.237		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT SHELTON 18-25XX GYRO - STK - STK													Offset Site Error:	0.00 usft
Survey Program: 789-MWD OWSG, 1317-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	4,759.03	4,649.62	4,648.07	35.65	13.16	90.46	1,838.20	-3,536.45	3,627.80	3,579.05	48.75	74.419		
5,200.00	4,850.53	4,755.71	4,754.13	36.47	13.53	91.11	1,837.82	-3,538.44	3,629.33	3,579.40	49.93	72.692		
5,300.00	4,942.02	4,856.01	4,854.42	37.28	13.88	91.72	1,837.14	-3,540.22	3,630.97	3,579.89	51.08	71.082		
5,400.00	5,033.51	5,249.02	5,245.25	38.10	15.22	93.79	1,809.13	-3,556.59	3,630.53	3,577.44	53.09	68.384		
5,500.00	5,125.01	5,462.09	5,453.90	38.92	15.96	94.58	1,770.76	-3,575.74	3,623.37	3,568.86	54.51	66.468		
5,600.00	5,216.50	5,539.10	5,529.05	39.73	16.24	94.85	1,755.53	-3,582.87	3,615.10	3,559.48	55.62	64.991		
5,700.00	5,308.00	5,610.77	5,599.34	40.55	16.50	95.13	1,742.67	-3,588.39	3,607.60	3,550.87	56.72	63.603		
5,800.00	5,399.49	5,681.00	5,668.34	41.36	16.76	95.41	1,730.75	-3,593.81	3,601.02	3,543.21	57.81	62.289		
5,900.00	5,490.99	5,745.00	5,731.31	42.18	16.99	95.68	1,720.51	-3,598.90	3,595.49	3,536.60	58.89	61.059		
6,000.00	5,582.48	5,848.71	5,833.54	43.00	17.38	96.12	1,704.57	-3,606.03	3,590.16	3,530.10	60.06	59.781		
6,100.00	5,673.98	5,918.26	5,902.09	43.81	17.64	96.42	1,694.00	-3,611.14	3,585.43	3,524.29	61.14	58.645		
6,200.00	5,765.47	6,012.29	5,994.94	44.63	18.00	96.83	1,680.61	-3,617.55	3,581.41	3,519.13	62.28	57.504		
6,300.00	5,856.97	6,105.82	6,087.37	45.45	18.35	97.25	1,667.50	-3,623.32	3,577.45	3,514.03	63.42	56.411		
6,400.00	5,948.46	6,163.11	6,144.07	46.26	18.57	97.52	1,660.00	-3,626.59	3,574.30	3,509.85	64.45	55.457		
6,500.00	6,039.96	6,238.17	6,218.43	47.08	18.86	97.87	1,650.98	-3,631.30	3,572.44	3,506.91	65.53	54.516		
6,600.00	6,131.45	6,350.59	6,329.78	47.90	19.29	98.39	1,637.14	-3,638.33	3,570.61	3,503.89	66.71	53.522		
6,700.00	6,222.95	6,449.83	6,428.16	48.71	19.67	98.87	1,625.27	-3,643.63	3,568.89	3,501.04	67.85	52.600		
6,800.00	6,314.44	6,560.83	6,538.07	49.53	20.10	99.39	1,611.17	-3,650.15	3,567.03	3,498.01	69.02	51.681		
6,900.00	6,405.93	6,663.85	6,640.08	50.35	20.50	99.88	1,597.95	-3,655.95	3,565.21	3,495.05	70.16	50.812		
7,000.00	6,497.01	6,753.70	6,729.09	51.18	20.84	95.40	1,586.59	-3,660.33	3,562.80	3,491.51	71.28	49.982		
7,100.00	6,582.62	6,811.57	6,785.54	52.20	21.06	87.87	1,579.99	-3,662.54	3,554.21	3,481.74	72.48	49.039		
7,200.00	6,659.25	6,859.00	6,833.68	53.42	21.24	84.71	1,575.10	-3,664.37	3,538.73	3,464.89	73.84	47.927		
7,300.00	6,724.59	6,887.54	6,862.07	54.84	21.35	83.97	1,572.42	-3,665.60	3,517.27	3,441.95	75.31	46.702		
7,400.00	6,776.64	6,923.00	6,897.36	56.40	21.49	85.07	1,569.48	-3,667.37	3,490.86	3,413.91	76.95	45.364		
7,500.00	6,813.82	6,923.00	6,897.36	58.08	21.49	86.92	1,569.48	-3,667.37	3,460.38	3,381.80	78.58	44.038		
7,600.00	6,835.01	6,923.00	6,897.36	59.82	21.49	89.69	1,569.48	-3,667.37	3,427.09	3,346.84	80.25	42.704		
7,700.00	6,840.00	6,942.46	6,916.74	61.57	21.56	92.70	1,568.07	-3,668.42	3,391.87	3,309.88	82.00	41.366		
7,800.00	6,840.00	6,944.43	6,918.71	63.35	21.57	92.74	1,567.94	-3,668.53	3,358.21	3,274.51	83.70	40.123		
7,900.00	6,840.00	6,946.40	6,920.67	65.20	21.57	92.77	1,567.82	-3,668.64	3,327.20	3,241.76	85.44	38.944		
8,000.00	6,840.00	6,948.38	6,922.64	67.10	21.58	92.81	1,567.69	-3,668.74	3,298.93	3,211.73	87.20	37.831		
8,100.00	6,840.00	6,950.36	6,924.61	69.05	21.59	92.84	1,567.56	-3,668.85	3,273.48	3,184.49	88.99	36.785		
8,200.00	6,840.00	6,952.34	6,926.59	71.06	21.60	92.88	1,567.44	-3,668.96	3,250.89	3,160.11	90.79	35.808		
8,300.00	6,840.00	6,954.32	6,928.57	73.11	21.60	92.91	1,567.32	-3,669.07	3,231.25	3,138.66	92.59	34.898		
8,400.00	6,840.00	6,956.31	6,930.55	75.21	21.61	92.95	1,567.20	-3,669.17	3,214.59	3,120.20	94.39	34.057		
8,500.00	6,840.00	6,958.30	6,932.53	77.34	21.62	92.99	1,567.08	-3,669.28	3,200.96	3,104.79	96.17	33.283		
8,600.00	6,840.00	6,960.30	6,934.52	79.51	21.63	93.02	1,566.97	-3,669.39	3,190.41	3,092.48	97.94	32.576		
8,700.00	6,840.00	6,962.30	6,936.51	81.72	21.63	93.06	1,566.85	-3,669.50	3,182.97	3,083.30	99.67	31.935		
8,800.00	6,840.00	6,964.30	6,938.51	83.95	21.64	93.09	1,566.74	-3,669.61	3,178.65	3,077.28	101.37	31.358		
8,887.50	6,840.00	6,966.05	6,940.26	85.93	21.65	93.13	1,566.65	-3,669.70	3,177.45	3,074.63	102.82	30.904 CC		
8,900.00	6,840.00	6,966.30	6,940.51	86.22	21.65	93.13	1,566.63	-3,669.72	3,177.47	3,074.45	103.02	30.844 ES		
9,000.00	6,840.00	6,968.31	6,942.51	88.51	21.66	93.17	1,566.53	-3,669.83	3,179.43	3,074.82	104.62	30.391		
9,100.00	6,840.00	6,987.00	6,961.15	90.83	21.73	93.50	1,565.63	-3,670.85	3,184.65	3,078.43	106.23	29.980		
9,200.00	6,840.00	6,987.00	6,961.15	93.16	21.73	93.50	1,565.63	-3,670.85	3,192.85	3,085.15	107.70	29.646		
9,300.00	6,840.00	6,987.00	6,961.15	95.52	21.73	93.50	1,565.63	-3,670.85	3,204.15	3,095.04	109.11	29.367		
9,400.00	6,840.00	6,987.00	6,961.15	97.90	21.73	93.50	1,565.63	-3,670.85	3,218.51	3,108.07	110.44	29.142		
9,500.00	6,840.00	6,987.00	6,961.15	100.30	21.73	93.50	1,565.63	-3,670.85	3,235.91	3,124.21	111.70	28.969		
9,600.00	6,840.00	6,987.00	6,961.15	102.72	21.73	93.50	1,565.63	-3,670.85	3,256.28	3,143.40	112.88	28.846		
9,700.00	6,840.00	6,987.00	6,961.15	105.15	21.73	93.50	1,565.63	-3,670.85	3,279.58	3,165.59	113.99	28.770		
9,800.00	6,840.00	6,987.00	6,961.15	107.59	21.73	93.50	1,565.63	-3,670.85	3,305.74	3,190.72	115.02	28.741 SF		
9,900.00	6,840.00	6,987.00	6,961.15	110.05	21.73	93.50	1,565.63	-3,670.85	3,334.70	3,218.73	115.97	28.755		
10,000.00	6,840.00	6,987.00	6,961.15	112.52	21.73	93.50	1,565.63	-3,670.85	3,366.37	3,249.53	116.84	28.811		
10,100.00	6,840.00	6,987.00	6,961.15	115.00	21.73	93.50	1,565.63	-3,670.85	3,400.70	3,283.06	117.64	28.907		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT SHELTON 18-25XX GYRO - STK - STK													Offset Site Error:	0.00 usft
Survey Program: 789-MWD OWSG, 1317-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		
10,200.00	6,840.00	6,996.84	6,970.97	117.50	21.76	93.68	1,565.21	-3,671.39	3,437.57	3,319.16	118.41	29.031		
10,300.00	6,840.00	7,000.26	6,974.37	120.00	21.78	93.74	1,565.07	-3,671.57	3,476.92	3,357.85	119.08	29.199		
10,400.00	6,840.00	7,003.60	6,977.71	122.51	21.79	93.80	1,564.93	-3,671.74	3,518.68	3,399.00	119.68	29.401		
10,500.00	6,840.00	7,006.88	6,980.98	125.04	21.80	93.86	1,564.80	-3,671.91	3,562.75	3,442.54	120.21	29.637		
10,600.00	6,840.00	7,010.09	6,984.18	127.57	21.81	93.92	1,564.67	-3,672.08	3,609.05	3,488.37	120.68	29.905		
10,700.00	6,840.00	7,013.23	6,987.32	130.11	21.82	93.98	1,564.54	-3,672.24	3,657.49	3,536.40	121.10	30.203		
10,800.00	6,840.00	7,016.32	6,990.40	132.66	21.84	94.03	1,564.41	-3,672.39	3,708.00	3,586.54	121.45	30.530		
10,900.00	6,840.00	7,019.34	6,993.42	135.21	21.85	94.08	1,564.29	-3,672.55	3,760.48	3,638.72	121.76	30.885		
11,000.00	6,840.00	7,022.30	6,996.38	137.77	21.86	94.14	1,564.18	-3,672.69	3,814.85	3,692.84	122.01	31.266		
11,100.00	6,840.00	7,025.21	6,999.28	140.34	21.87	94.19	1,564.06	-3,672.83	3,871.04	3,748.82	122.22	31.672		
11,200.00	6,840.00	7,028.07	7,002.13	142.91	21.88	94.24	1,563.95	-3,672.97	3,928.98	3,806.59	122.39	32.102		
11,300.00	6,840.00	7,030.87	7,004.92	145.49	21.89	94.29	1,563.84	-3,673.11	3,988.57	3,866.05	122.52	32.555		
11,400.00	6,840.00	7,033.62	7,007.66	148.07	21.90	94.34	1,563.74	-3,673.24	4,049.75	3,927.14	122.61	33.029		
11,500.00	6,840.00	7,036.31	7,010.36	150.66	21.91	94.39	1,563.64	-3,673.37	4,112.45	3,989.78	122.67	33.524		
11,600.00	6,840.00	7,038.96	7,013.00	153.25	21.92	94.44	1,563.54	-3,673.49	4,176.61	4,053.90	122.70	34.038		
11,700.00	6,840.00	7,051.00	7,025.02	155.85	21.96	94.65	1,563.09	-3,674.04	4,242.16	4,119.41	122.75	34.559		
11,800.00	6,840.00	7,051.00	7,025.02	158.45	21.96	94.65	1,563.09	-3,674.04	4,309.01	4,186.29	122.72	35.113		
11,900.00	6,840.00	7,051.00	7,025.02	161.06	21.96	94.65	1,563.09	-3,674.04	4,377.12	4,254.46	122.66	35.685		
12,000.00	6,840.00	7,051.00	7,025.02	163.67	21.96	94.65	1,563.09	-3,674.04	4,446.44	4,323.86	122.58	36.272		
12,100.00	6,840.00	7,051.00	7,025.02	166.28	21.96	94.65	1,563.09	-3,674.04	4,516.91	4,394.42	122.49	36.876		
12,200.00	6,840.00	7,051.00	7,025.02	168.90	21.96	94.65	1,563.09	-3,674.04	4,588.48	4,466.10	122.38	37.494		
12,300.00	6,840.00	7,051.00	7,025.02	171.52	21.96	94.65	1,563.09	-3,674.04	4,661.09	4,538.83	122.25	38.126		
12,400.00	6,840.00	7,051.00	7,025.02	174.15	21.96	94.65	1,563.09	-3,674.04	4,734.70	4,612.58	122.12	38.772		
12,500.00	6,840.00	7,051.00	7,025.02	176.77	21.96	94.65	1,563.09	-3,674.04	4,809.26	4,687.30	121.97	39.431		
12,600.00	6,840.00	7,051.00	7,025.02	179.40	21.96	94.65	1,563.09	-3,674.04	4,884.74	4,762.93	121.81	40.102		
12,700.00	6,840.00	7,065.04	7,039.04	182.04	22.01	94.91	1,562.59	-3,674.65	4,961.04	4,839.33	121.71	40.761		
12,800.00	6,840.00	7,067.14	7,041.13	184.67	22.02	94.94	1,562.51	-3,674.73	5,038.20	4,916.65	121.54	41.451		
12,900.00	6,840.00	7,069.19	7,043.18	187.31	22.03	94.98	1,562.44	-3,674.82	5,116.14	4,994.77	121.37	42.152		
13,000.00	6,840.00	7,071.21	7,045.20	189.95	22.04	95.02	1,562.37	-3,674.90	5,194.84	5,073.65	121.20	42.863		
13,100.00	6,840.00	7,073.19	7,047.17	192.59	22.04	95.05	1,562.30	-3,674.98	5,274.26	5,153.25	121.01	43.584		
13,200.00	6,840.00	7,075.12	7,049.11	195.24	22.05	95.09	1,562.23	-3,675.06	5,354.37	5,233.54	120.83	44.314		
13,300.00	6,840.00	7,077.02	7,051.00	197.88	22.06	95.12	1,562.17	-3,675.13	5,435.14	5,314.50	120.64	45.053		
13,400.00	6,840.00	7,078.89	7,052.87	200.53	22.07	95.16	1,562.10	-3,675.21	5,516.53	5,396.08	120.45	45.800		
13,500.00	6,840.00	7,080.72	7,054.69	203.18	22.07	95.19	1,562.04	-3,675.28	5,598.53	5,478.27	120.25	46.556		
13,600.00	6,840.00	7,082.52	7,056.49	205.83	22.08	95.22	1,561.98	-3,675.35	5,681.10	5,561.04	120.06	47.319		
13,700.00	6,840.00	7,084.28	7,058.25	208.49	22.08	95.25	1,561.92	-3,675.41	5,764.22	5,644.36	119.86	48.090		
13,800.00	6,840.00	7,086.01	7,059.98	211.14	22.09	95.28	1,561.86	-3,675.48	5,847.87	5,728.20	119.67	48.867		
13,900.00	6,840.00	7,087.71	7,061.67	213.80	22.10	95.31	1,561.80	-3,675.54	5,932.03	5,812.56	119.47	49.652		
14,000.00	6,840.00	7,089.38	7,063.34	216.46	22.10	95.34	1,561.74	-3,675.60	6,016.67	5,897.39	119.28	50.443		
14,100.00	6,840.00	7,091.02	7,064.98	219.12	22.11	95.37	1,561.69	-3,675.66	6,101.77	5,982.69	119.08	51.241		
14,200.00	6,840.00	7,092.63	7,066.59	221.78	22.12	95.40	1,561.63	-3,675.72	6,187.32	6,068.43	118.89	52.044		
14,300.00	6,840.00	7,094.21	7,068.17	224.45	22.12	95.43	1,561.58	-3,675.78	6,273.29	6,154.60	118.69	52.853		
14,400.00	6,840.00	7,095.77	7,069.72	227.11	22.13	95.46	1,561.53	-3,675.84	6,359.68	6,241.18	118.50	53.668		
14,500.00	6,840.00	7,097.30	7,071.25	229.78	22.13	95.49	1,561.48	-3,675.89	6,446.45	6,328.14	118.31	54.488		
14,600.00	6,840.00	7,098.80	7,072.75	232.45	22.14	95.51	1,561.43	-3,675.94	6,533.61	6,415.49	118.12	55.313		
14,700.00	6,840.00	7,115.00	7,088.93	235.12	22.20	95.80	1,560.89	-3,676.49	6,621.16	6,503.16	118.01	56.109		
14,800.00	6,840.00	7,115.00	7,088.93	237.79	22.20	95.80	1,560.89	-3,676.49	6,709.02	6,591.21	117.81	56.946		
14,900.00	6,840.00	7,115.00	7,088.93	240.46	22.20	95.80	1,560.89	-3,676.49	6,797.21	6,679.59	117.62	57.788		
15,000.00	6,840.00	7,115.00	7,088.93	243.13	22.20	95.80	1,560.89	-3,676.49	6,885.73	6,768.29	117.44	58.634		
15,100.00	6,840.00	7,115.00	7,088.93	245.80	22.20	95.80	1,560.89	-3,676.49	6,974.55	6,857.30	117.25	59.484		
15,200.00	6,840.00	7,115.00	7,088.93	248.48	22.20	95.80	1,560.89	-3,676.49	7,063.68	6,946.61	117.07	60.338		
15,300.00	6,840.00	7,115.00	7,088.93	251.15	22.20	95.80	1,560.89	-3,676.49	7,153.09	7,036.20	116.89	61.195		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 25-T4N-R65W - SI VERT SHELTON 18-25XX GYRO - STK - STK													Offset Site Error:	0.00 usft
Survey Program: 789-MWD OWSG, 1317-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		
15,400.00	6,840.00	7,115.00	7,088.93	253.83	22.20	95.80	1,560.89	-3,676.49	7,242.78	7,126.07	116.71	62.057		
15,500.00	6,840.00	7,115.00	7,088.93	256.51	22.20	95.80	1,560.89	-3,676.49	7,332.73	7,216.20	116.54	62.921		
15,600.00	6,840.00	7,115.00	7,088.93	259.19	22.20	95.80	1,560.89	-3,676.49	7,422.95	7,306.58	116.37	63.789		
15,700.00	6,840.00	7,115.00	7,088.93	261.87	22.20	95.80	1,560.89	-3,676.49	7,513.41	7,397.21	116.20	64.661		
15,800.00	6,840.00	7,115.00	7,088.93	264.55	22.20	95.80	1,560.89	-3,676.49	7,604.11	7,488.08	116.03	65.535		
15,900.00	6,840.00	7,115.00	7,088.93	267.23	22.20	95.80	1,560.89	-3,676.49	7,695.04	7,579.17	115.87	66.412		
16,000.00	6,840.00	7,115.00	7,088.93	269.91	22.20	95.80	1,560.89	-3,676.49	7,786.19	7,670.48	115.71	67.292		
16,100.00	6,840.00	7,115.00	7,088.93	272.59	22.20	95.80	1,560.89	-3,676.49	7,877.56	7,762.01	115.55	68.175		
16,200.00	6,840.00	7,115.00	7,088.93	275.28	22.20	95.80	1,560.89	-3,676.49	7,969.13	7,853.74	115.39	69.060		
16,300.00	6,840.00	7,115.00	7,088.93	277.96	22.20	95.80	1,560.89	-3,676.49	8,060.90	7,945.66	115.24	69.947		
16,400.00	6,840.00	7,115.00	7,088.93	280.64	22.20	95.80	1,560.89	-3,676.49	8,152.87	8,037.78	115.09	70.837		
16,500.00	6,840.00	7,115.00	7,088.93	283.33	22.20	95.80	1,560.89	-3,676.49	8,245.03	8,130.08	114.95	71.729		
16,600.00	6,840.00	7,126.34	7,100.26	286.02	22.24	96.01	1,560.53	-3,676.84	8,337.35	8,222.49	114.86	72.589		
16,700.00	6,840.00	7,127.67	7,101.59	288.70	22.24	96.03	1,560.49	-3,676.88	8,429.85	8,315.13	114.72	73.480		
16,800.00	6,840.00	7,128.98	7,102.90	291.39	22.25	96.06	1,560.44	-3,676.92	8,522.53	8,407.94	114.59	74.374		
16,900.00	6,840.00	7,130.27	7,104.19	294.08	22.25	96.08	1,560.40	-3,676.95	8,615.37	8,500.91	114.46	75.269		
17,000.00	6,840.00	7,131.55	7,105.46	296.77	22.26	96.10	1,560.36	-3,676.99	8,708.36	8,594.03	114.33	76.166		
17,100.00	6,840.00	7,132.80	7,106.72	299.46	22.26	96.12	1,560.32	-3,677.03	8,801.51	8,687.30	114.21	77.064		
17,200.00	6,840.00	7,134.05	7,107.96	302.14	22.27	96.15	1,560.28	-3,677.07	8,894.81	8,780.72	114.09	77.964		
17,300.00	6,840.00	7,135.27	7,109.19	304.84	22.27	96.17	1,560.24	-3,677.10	8,988.25	8,874.29	113.97	78.866		
17,400.00	6,840.00	7,136.48	7,110.39	307.53	22.27	96.19	1,560.20	-3,677.14	9,081.84	8,967.98	113.85	79.769		
17,500.00	6,840.00	7,137.68	7,111.59	310.22	22.28	96.21	1,560.17	-3,677.17	9,175.55	9,061.81	113.74	80.673		
17,600.00	6,840.00	7,138.85	7,112.77	312.91	22.28	96.23	1,560.13	-3,677.20	9,269.40	9,155.77	113.63	81.579		
17,700.00	6,840.00	7,140.02	7,113.93	315.60	22.29	96.25	1,560.09	-3,677.24	9,363.37	9,249.86	113.52	82.485		
17,800.00	6,840.00	7,141.17	7,115.08	318.29	22.29	96.27	1,560.06	-3,677.27	9,457.47	9,344.06	113.41	83.393		
17,900.00	6,840.00	7,142.30	7,116.21	320.99	22.29	96.29	1,560.02	-3,677.30	9,551.69	9,438.39	113.30	84.302		
18,000.00	6,840.00	7,143.43	7,117.33	323.68	22.30	96.31	1,559.98	-3,677.33	9,646.02	9,532.82	113.20	85.212		
18,100.00	6,840.00	7,144.53	7,118.44	326.38	22.30	96.33	1,559.95	-3,677.36	9,740.47	9,627.37	113.10	86.122		
18,200.00	6,840.00	7,145.63	7,119.53	329.07	22.31	96.35	1,559.91	-3,677.39	9,835.02	9,722.02	113.00	87.034		
18,300.00	6,840.00	7,146.71	7,120.61	331.77	22.31	96.37	1,559.88	-3,677.42	9,929.69	9,816.78	112.91	87.946		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW G 26-23 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-95.99	-649.15	-6,188.28	6,222.92					
100.00	100.00	7.07	7.07	0.13	0.01	-95.99	-649.15	-6,188.28	6,222.24	6,222.10	0.14	N/A		
200.00	200.00	95.50	95.50	0.49	0.09	-95.99	-649.32	-6,188.36	6,222.35	6,221.77	0.58	N/A		
300.00	300.00	197.41	197.41	0.85	0.23	-95.99	-649.64	-6,188.53	6,222.54	6,221.46	1.08	5,772.206		
400.00	399.98	290.44	290.44	1.20	0.31	32.08	-649.87	-6,188.71	6,221.28	6,219.78	1.50	4,142.348		
500.00	499.84	417.20	417.20	1.55	0.38	32.15	-650.29	-6,188.74	6,216.90	6,214.99	1.91	3,256.586		
600.00	599.45	512.62	512.62	1.91	0.43	32.27	-650.75	-6,188.57	6,209.39	6,207.08	2.32	2,679.074		
700.00	698.70	602.16	602.15	2.29	0.48	32.43	-651.01	-6,188.54	6,199.07	6,196.35	2.72	2,277.058		
800.00	797.47	693.48	693.47	2.70	0.53	32.65	-651.13	-6,188.65	6,185.97	6,182.83	3.15	1,966.704		
900.00	895.62	785.15	785.15	3.14	0.57	32.91	-651.40	-6,188.85	6,170.09	6,166.51	3.58	1,724.625		
1,000.00	993.06	894.22	894.22	3.62	0.63	33.24	-651.92	-6,189.05	6,151.32	6,147.29	4.03	1,527.464		
1,100.00	1,089.64	997.63	997.62	4.14	0.67	33.62	-652.34	-6,189.06	6,129.55	6,125.06	4.49	1,366.029		
1,200.00	1,185.27	1,080.20	1,080.19	4.70	0.70	34.03	-652.56	-6,189.12	6,105.03	6,100.08	4.95	1,233.087		
1,300.00	1,279.82	1,166.02	1,166.01	5.31	0.74	34.50	-652.72	-6,189.36	6,077.95	6,072.51	5.44	1,116.331		
1,400.00	1,373.17	1,266.73	1,266.72	5.98	0.77	35.06	-652.93	-6,189.69	6,048.22	6,042.25	5.97	1,013.663		
1,500.00	1,465.22	1,365.12	1,365.11	6.70	0.80	35.64	-652.92	-6,189.85	6,015.68	6,009.16	6.51	923.359		
1,600.00	1,556.72	1,451.78	1,451.77	7.45	0.83	35.85	-652.81	-6,190.00	5,982.12	5,975.05	7.07	846.475		
1,700.00	1,648.21	1,540.69	1,540.68	8.21	0.85	36.06	-652.51	-6,190.26	5,948.75	5,941.12	7.63	779.497		
1,800.00	1,739.71	1,634.82	1,634.81	8.99	0.87	36.30	-652.19	-6,190.49	5,915.43	5,907.22	8.21	720.855		
1,900.00	1,831.20	1,721.19	1,721.18	9.77	0.89	36.51	-651.74	-6,190.74	5,882.22	5,873.43	8.79	669.395		
2,000.00	1,922.69	1,801.29	1,801.27	10.56	0.91	36.72	-651.26	-6,191.10	5,849.24	5,839.86	9.38	623.865		
2,100.00	2,014.19	1,865.89	1,865.87	11.35	0.92	36.88	-650.92	-6,191.59	5,816.65	5,806.68	9.97	583.358		
2,200.00	2,105.68	1,934.70	1,934.67	12.14	0.94	37.06	-650.66	-6,192.43	5,784.57	5,773.99	10.58	546.989		
2,300.00	2,197.18	2,010.45	2,010.42	12.94	0.97	37.26	-650.44	-6,193.60	5,752.89	5,741.70	11.19	514.185		
2,400.00	2,288.67	2,108.37	2,108.33	13.74	1.00	37.52	-649.96	-6,195.19	5,721.38	5,709.57	11.81	484.451		
2,500.00	2,380.17	2,184.04	2,183.98	14.54	1.02	37.72	-649.32	-6,196.51	5,690.06	5,677.62	12.43	457.603		
2,600.00	2,471.66	2,258.00	2,257.93	15.35	1.05	37.92	-648.63	-6,198.01	5,659.10	5,646.03	13.06	433.160		
2,700.00	2,563.16	2,324.86	2,324.76	16.15	1.07	38.10	-648.28	-6,199.58	5,628.57	5,614.87	13.70	410.844		
2,800.00	2,654.65	2,383.34	2,383.21	16.96	1.09	38.26	-648.27	-6,201.28	5,598.66	5,584.31	14.34	390.411		
2,900.00	2,746.15	2,469.53	2,469.36	17.76	1.12	38.49	-648.73	-6,204.15	5,569.24	5,554.25	14.99	371.599		
3,000.00	2,837.64	2,553.51	2,553.29	18.57	1.15	38.71	-649.63	-6,206.94	5,539.95	5,524.32	15.64	354.260		
3,100.00	2,929.14	2,634.63	2,634.35	19.38	1.18	38.92	-650.72	-6,209.84	5,510.98	5,494.69	16.29	338.241		
3,200.00	3,020.63	2,721.41	2,721.05	20.19	1.21	39.15	-652.28	-6,213.06	5,482.25	5,465.30	16.95	323.405		
3,300.00	3,112.13	2,818.02	2,817.57	21.00	1.24	39.40	-654.19	-6,216.71	5,453.68	5,436.07	17.61	309.627		
3,400.00	3,203.62	2,983.33	2,982.77	21.81	1.29	39.82	-657.94	-6,221.82	5,424.62	5,406.35	18.27	296.893		
3,500.00	3,295.12	3,100.53	3,099.90	22.63	1.33	40.13	-660.81	-6,224.27	5,394.65	5,375.72	18.93	284.953		
3,600.00	3,386.61	3,213.00	3,212.32	23.44	1.37	40.43	-663.72	-6,226.14	5,364.39	5,344.80	19.59	273.786		
3,700.00	3,478.10	3,284.73	3,284.02	24.25	1.39	40.62	-665.52	-6,227.38	5,334.30	5,314.03	20.27	263.187		
3,800.00	3,569.60	3,339.46	3,338.72	25.06	1.41	40.77	-666.71	-6,228.60	5,304.79	5,283.83	20.95	253.178		
3,900.00	3,661.09	3,400.00	3,399.22	25.88	1.42	40.94	-667.38	-6,230.49	5,276.13	5,254.49	21.64	243.787		
4,000.00	3,752.59	3,451.32	3,450.50	26.69	1.44	41.10	-667.35	-6,232.43	5,248.22	5,225.88	22.34	234.907		
4,100.00	3,844.08	3,523.89	3,523.00	27.50	1.46	41.33	-666.36	-6,235.51	5,220.94	5,197.90	23.05	226.551		
4,200.00	3,935.58	3,638.20	3,637.19	28.32	1.49	41.70	-664.37	-6,240.35	5,193.85	5,170.10	23.75	218.673		
4,300.00	4,027.07	3,763.49	3,762.39	29.13	1.53	42.10	-662.46	-6,244.72	5,166.13	5,141.67	24.46	211.206		
4,400.00	4,118.57	3,850.51	3,849.36	29.95	1.56	42.39	-661.41	-6,247.60	5,138.43	5,113.25	25.18	204.089		
4,500.00	4,210.06	3,940.42	3,939.21	30.76	1.58	42.68	-660.41	-6,250.73	5,111.02	5,085.12	25.90	197.345		
4,600.00	4,301.56	4,038.72	4,037.44	31.58	1.61	43.01	-659.05	-6,254.02	5,083.65	5,057.02	26.62	190.937		
4,700.00	4,393.05	4,131.15	4,129.81	32.39	1.64	43.32	-658.17	-6,257.12	5,056.41	5,029.05	27.36	184.840		
4,800.00	4,484.55	4,235.26	4,233.87	33.21	1.67	43.67	-657.50	-6,260.54	5,029.24	5,001.15	28.09	179.048		
4,900.00	4,576.04	4,336.43	4,334.99	34.02	1.71	44.00	-657.23	-6,263.53	5,001.88	4,973.05	28.83	173.519		
5,000.00	4,667.54	4,414.07	4,412.60	34.84	1.73	44.27	-656.83	-6,265.93	4,974.82	4,945.24	29.57	168.213		
5,100.00	4,759.03	4,491.17	4,489.65	35.65	1.76	44.53	-656.29	-6,268.54	4,948.19	4,917.86	30.33	163.153		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW G 26-23 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,850.53	4,612.92	4,611.34	36.47	1.80	44.95	-655.63	-6,272.50	4,921.57	4,890.50	31.08	158.368		
5,300.00	4,942.02	4,696.73	4,695.10	37.28	1.82	45.24	-655.18	-6,275.05	4,894.93	4,863.09	31.84	153.739		
5,400.00	5,033.51	4,767.93	4,766.26	38.10	1.84	45.50	-654.47	-6,277.39	4,868.71	4,836.10	32.61	149.298		
5,500.00	5,125.01	4,856.97	4,855.23	38.92	1.87	45.83	-652.89	-6,280.57	4,842.98	4,809.60	33.38	145.066		
5,600.00	5,216.50	4,944.88	4,943.07	39.73	1.90	46.16	-650.78	-6,283.57	4,817.36	4,783.19	34.17	141.001		
5,700.00	5,308.00	5,039.93	5,038.03	40.55	1.92	46.53	-648.53	-6,287.02	4,792.12	4,757.17	34.95	137.112		
5,800.00	5,399.49	5,169.59	5,167.61	41.36	1.96	47.02	-646.39	-6,291.06	4,766.50	4,730.77	35.73	133.403		
5,900.00	5,490.99	5,293.41	5,291.38	42.18	2.00	47.49	-645.31	-6,294.18	4,740.44	4,703.93	36.51	129.829		
6,000.00	5,582.48	5,426.89	5,424.84	43.00	2.04	47.99	-644.62	-6,296.52	4,713.81	4,676.52	37.29	126.393		
6,100.00	5,673.98	6,100.00	5,667.56	43.81	2.13	48.55	-643.60	-6,297.50	4,686.40	4,648.27	38.13	122.902		
6,200.00	5,765.47	5,664.84	5,662.76	44.63	2.08	48.94	-641.85	-6,297.27	4,658.50	4,619.65	38.86	119.891		
6,300.00	5,856.97	5,774.69	5,772.58	45.45	2.09	49.40	-639.43	-6,297.22	4,631.10	4,591.45	39.65	116.811		
6,400.00	5,948.46	5,892.22	5,890.08	46.26	2.09	49.89	-637.19	-6,296.25	4,603.10	4,562.68	40.43	113.859		
6,500.00	6,039.96	5,991.52	5,989.37	47.08	2.08	50.31	-636.10	-6,295.24	4,575.05	4,533.83	41.22	110.994		
6,600.00	6,131.45	6,113.03	6,110.87	47.90	2.07	50.82	-635.34	-6,293.48	4,546.71	4,504.72	41.99	108.285		
6,700.00	6,222.95	6,173.51	6,171.34	48.71	2.07	51.07	-635.22	-6,292.70	4,518.68	4,475.87	42.82	105.533		
6,800.00	6,314.44	6,258.26	6,256.09	49.53	2.06	51.42	-635.28	-6,292.11	4,491.34	4,447.71	43.63	102.946		
6,900.00	6,405.93	6,366.73	6,364.55	50.35	2.05	51.89	-634.85	-6,291.01	4,464.01	4,419.59	44.43	100.483		
7,000.00	6,497.01	6,453.97	6,451.78	51.18	2.04	52.48	-634.33	-6,289.86	4,435.46	4,390.20	45.26	98.004		
7,100.00	6,588.62	6,525.79	6,523.59	52.20	2.04	53.13	-633.85	-6,289.09	4,394.45	4,348.29	46.16	95.193		
7,200.00	6,659.25	6,589.43	6,587.23	53.42	2.04	53.77	-633.43	-6,288.61	4,339.09	4,291.98	47.11	92.099		
7,300.00	6,724.59	6,681.70	6,679.49	54.84	2.03	54.62	-632.76	-6,287.78	4,270.76	4,222.73	48.03	88.912		
7,400.00	6,776.64	6,729.54	6,727.33	56.40	2.03	55.64	-632.34	-6,287.11	4,191.37	4,142.41	48.96	85.610		
7,500.00	6,813.82	6,756.93	6,754.72	58.08	2.03	56.84	-632.09	-6,286.80	4,103.67	4,053.84	49.83	82.349		
7,600.00	6,835.01	6,772.36	6,770.15	59.82	2.03	58.25	-631.96	-6,286.65	4,010.21	3,959.59	50.61	79.230		
7,700.00	6,840.00	6,775.50	6,773.29	61.57	2.03	60.00	-631.93	-6,286.62	3,913.72	3,862.44	51.28	76.314		
7,800.00	6,840.00	6,774.81	6,772.60	63.35	2.03	62.00	-631.94	-6,286.63	3,816.87	3,764.92	51.94	73.484		
7,900.00	6,840.00	6,774.12	6,771.90	65.20	2.03	64.25	-631.95	-6,286.63	3,720.18	3,667.54	52.64	70.673		
8,000.00	6,840.00	6,773.41	6,771.20	67.10	2.03	66.75	-631.95	-6,286.64	3,623.67	3,570.29	53.38	67.883		
8,100.00	6,840.00	6,772.70	6,770.48	69.05	2.03	69.40	-631.96	-6,286.65	3,527.35	3,473.18	54.17	65.116		
8,200.00	6,840.00	6,771.97	6,769.76	71.06	2.03	72.25	-631.96	-6,286.65	3,431.25	3,376.24	55.01	62.373		
8,300.00	6,840.00	6,771.24	6,769.03	73.11	2.03	75.40	-631.97	-6,286.66	3,335.38	3,279.47	55.91	59.657		
8,400.00	6,840.00	6,770.50	6,768.28	75.21	2.03	78.75	-631.98	-6,286.67	3,239.75	3,182.88	56.87	56.970		
8,500.00	6,840.00	6,769.75	6,767.53	77.34	2.03	82.25	-631.98	-6,286.67	3,144.40	3,086.51	57.89	54.315		
8,600.00	6,840.00	6,768.98	6,766.77	79.51	2.03	85.90	-631.99	-6,286.68	3,049.34	2,990.35	58.99	51.694		
8,700.00	6,840.00	6,768.21	6,766.00	81.72	2.03	90.00	-632.00	-6,286.69	2,954.61	2,894.45	60.16	49.109		
8,800.00	6,840.00	6,767.43	6,765.22	83.95	2.03	94.60	-632.00	-6,286.70	2,860.24	2,798.82	61.43	46.564		
8,900.00	6,840.00	6,766.64	6,764.43	86.22	2.03	99.75	-632.01	-6,286.70	2,766.27	2,703.48	62.78	44.062		
9,000.00	6,840.00	6,765.84	6,763.62	88.51	2.03	105.50	-632.02	-6,286.71	2,672.73	2,608.49	64.24	41.605		
9,100.00	6,840.00	6,765.02	6,762.81	90.83	2.03	111.75	-632.02	-6,286.72	2,579.67	2,513.86	65.81	39.198		
9,200.00	6,840.00	6,764.20	6,761.99	93.16	2.03	118.50	-632.03	-6,286.73	2,487.16	2,419.65	67.51	36.843		
9,300.00	6,840.00	6,763.36	6,761.15	95.52	2.03	125.75	-632.04	-6,286.74	2,395.24	2,325.90	69.34	34.544		
9,400.00	6,840.00	6,762.52	6,760.30	97.90	2.03	133.50	-632.05	-6,286.74	2,304.00	2,232.68	71.32	32.305		
9,500.00	6,840.00	6,761.66	6,759.44	100.30	2.03	141.75	-632.05	-6,286.75	2,213.52	2,140.05	73.46	30.130		
9,600.00	6,840.00	6,760.79	6,758.57	102.72	2.03	150.00	-632.06	-6,286.76	2,123.88	2,048.09	75.79	28.023		
9,700.00	6,840.00	6,759.90	6,757.69	105.15	2.03	158.25	-632.07	-6,286.77	2,035.22	1,956.91	78.31	25.988		
9,800.00	6,840.00	6,759.01	6,756.80	107.59	2.03	166.50	-632.08	-6,286.78	1,947.65	1,866.60	81.05	24.029		
9,900.00	6,840.00	6,758.10	6,755.89	110.05	2.03	174.75	-632.08	-6,286.79	1,861.34	1,777.30	84.03	22.150		
10,000.00	6,840.00	6,757.18	6,754.97	112.52	2.03	183.00	-632.09	-6,286.80	1,776.46	1,689.19	87.27	20.357		
10,100.00	6,840.00	6,756.25	6,754.03	115.00	2.03	191.25	-632.10	-6,286.81	1,693.23	1,602.45	90.78	18.652		
10,200.00	6,840.00	6,755.30	6,753.09	117.50	2.03	199.50	-632.11	-6,286.82	1,611.91	1,517.32	94.59	17.042		
10,300.00	6,840.00	6,754.34	6,752.12	120.00	2.03	207.75	-632.12	-6,286.83	1,532.80	1,434.09	98.71	15.529		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW G 26-23 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,840.00	6,753.36	6,751.15	122.51	2.03	90.19	-632.13	-6,286.84	1,456.26	1,353.11	103.14	14.119		
10,500.00	6,840.00	6,752.37	6,750.16	125.04	2.03	90.13	-632.13	-6,286.85	1,382.71	1,274.82	107.90	12.815		
10,600.00	6,840.00	6,751.37	6,749.15	127.57	2.03	90.07	-632.14	-6,286.86	1,312.67	1,199.73	112.95	11.622		
10,700.00	6,840.00	6,750.35	6,748.13	130.11	2.03	90.01	-632.15	-6,286.87	1,246.72	1,128.48	118.24	10.544		
10,800.00	6,840.00	6,749.31	6,747.10	132.66	2.03	89.95	-632.16	-6,286.88	1,185.55	1,061.85	123.70	9.584		
10,900.00	6,840.00	6,748.26	6,746.05	135.21	2.03	89.88	-632.17	-6,286.89	1,129.93	1,000.72	129.20	8.745		
11,000.00	6,840.00	6,747.19	6,744.98	137.77	2.03	89.82	-632.18	-6,286.91	1,080.71	946.15	134.56	8.031		
11,100.00	6,840.00	6,746.11	6,743.90	140.34	2.03	89.76	-632.19	-6,286.92	1,038.82	899.29	139.53	7.445		
11,200.00	6,840.00	6,745.01	6,742.80	142.91	2.03	89.69	-632.20	-6,286.93	1,005.16	861.32	143.83	6.988		
11,300.00	6,840.00	6,743.89	6,741.68	145.49	2.03	89.62	-632.21	-6,286.94	980.58	833.41	147.17	6.663		
11,400.00	6,840.00	6,742.75	6,740.54	148.07	2.03	89.56	-632.22	-6,286.96	965.78	816.52	149.26	6.470		
11,494.05	6,840.00	6,741.67	6,739.46	150.51	2.03	89.49	-632.23	-6,286.97	961.19	811.26	149.93	6.411	CC, ES, SF	
11,500.00	6,840.00	6,741.60	6,739.39	150.66	2.03	89.49	-632.23	-6,286.97	961.21	811.28	149.93	6.411		
11,600.00	6,840.00	6,740.42	6,738.21	153.25	2.03	89.42	-632.24	-6,286.98	967.01	817.91	149.10	6.486		
11,700.00	6,840.00	6,739.23	6,737.02	155.85	2.03	89.35	-632.25	-6,287.00	983.00	836.14	146.86	6.694		
11,800.00	6,840.00	6,738.02	6,735.81	158.45	2.03	89.27	-632.26	-6,287.01	1,008.70	865.29	143.41	7.034		
11,900.00	6,840.00	6,736.79	6,734.58	161.06	2.03	89.20	-632.27	-6,287.03	1,043.39	904.36	139.03	7.505		
12,000.00	6,840.00	6,735.54	6,733.33	163.67	2.03	89.13	-632.28	-6,287.04	1,086.20	952.18	134.02	8.105		
12,100.00	6,840.00	6,734.26	6,732.05	166.28	2.03	89.05	-632.29	-6,287.06	1,136.23	1,007.56	128.66	8.831		
12,200.00	6,840.00	6,732.97	6,730.76	168.90	2.03	88.97	-632.31	-6,287.07	1,192.55	1,069.36	123.19	9.681		
12,300.00	6,840.00	6,731.65	6,729.44	171.52	2.03	88.89	-632.32	-6,287.09	1,254.33	1,136.56	117.77	10.650		
12,400.00	6,840.00	6,730.31	6,728.10	174.15	2.03	88.81	-632.33	-6,287.10	1,320.80	1,208.26	112.54	11.736		
12,500.00	6,840.00	6,728.95	6,726.74	176.77	2.03	88.73	-632.34	-6,287.12	1,391.29	1,283.72	107.56	12.935		
12,600.00	6,840.00	6,727.56	6,725.35	179.40	2.03	88.65	-632.35	-6,287.14	1,465.21	1,362.32	102.89	14.241		
12,700.00	6,840.00	6,726.15	6,723.94	182.04	2.03	88.57	-632.37	-6,287.16	1,542.07	1,443.54	98.53	15.651		
12,800.00	6,840.00	6,724.72	6,722.51	184.67	2.03	88.48	-632.38	-6,287.18	1,621.46	1,526.97	94.50	17.159		
12,900.00	6,840.00	6,723.25	6,721.05	187.31	2.03	88.39	-632.39	-6,287.20	1,703.02	1,612.25	90.77	18.761		
13,000.00	6,840.00	6,721.76	6,719.56	189.95	2.03	88.30	-632.41	-6,287.21	1,786.46	1,699.11	87.34	20.453		
13,100.00	6,840.00	6,720.25	6,718.04	192.59	2.03	88.21	-632.42	-6,287.23	1,871.52	1,787.32	84.19	22.228		
13,200.00	6,840.00	6,718.70	6,716.50	195.24	2.03	88.12	-632.43	-6,287.26	1,957.98	1,876.68	81.30	24.083		
13,300.00	6,840.00	6,717.13	6,714.92	197.88	2.03	88.03	-632.45	-6,287.28	2,045.69	1,967.04	78.64	26.012		
13,400.00	6,840.00	6,715.53	6,713.32	200.53	2.03	87.93	-632.46	-6,287.30	2,134.47	2,058.27	76.20	28.011		
13,500.00	6,840.00	6,713.89	6,711.69	203.18	2.03	87.84	-632.48	-6,287.32	2,224.20	2,150.25	73.96	30.074		
13,600.00	6,840.00	6,712.23	6,710.02	205.83	2.03	87.74	-632.49	-6,287.34	2,314.78	2,242.88	71.89	32.197		
13,700.00	6,840.00	6,710.53	6,708.32	208.49	2.03	87.64	-632.51	-6,287.37	2,406.10	2,336.11	69.99	34.376		
13,800.00	6,840.00	6,708.80	6,706.59	211.14	2.03	87.53	-632.52	-6,287.39	2,498.08	2,429.84	68.24	36.605		
13,900.00	6,840.00	6,707.04	6,704.83	213.80	2.03	87.43	-632.54	-6,287.42	2,590.66	2,524.03	66.63	38.882		
14,000.00	6,840.00	6,705.24	6,703.03	216.46	2.03	87.32	-632.55	-6,287.44	2,683.77	2,618.63	65.14	41.202		
14,100.00	6,840.00	6,703.40	6,701.19	219.12	2.03	87.21	-632.57	-6,287.47	2,777.36	2,713.60	63.76	43.560		
14,200.00	6,840.00	6,701.53	6,699.32	221.78	2.03	87.10	-632.59	-6,287.50	2,871.38	2,808.89	62.48	45.954		
14,300.00	6,840.00	6,700.00	6,697.79	224.45	2.03	87.01	-632.60	-6,287.52	2,965.79	2,904.48	61.30	48.378		
14,400.00	6,840.00	6,700.00	6,697.79	227.11	2.03	87.01	-632.60	-6,287.52	3,060.55	3,000.33	60.22	50.822		
14,500.00	6,840.00	6,700.00	6,697.79	229.78	2.03	87.01	-632.60	-6,287.52	3,155.64	3,096.42	59.22	53.290		
14,600.00	6,840.00	6,700.00	6,697.79	232.45	2.03	87.01	-632.60	-6,287.52	3,251.02	3,192.73	58.28	55.778		
14,700.00	6,840.00	6,700.00	6,697.79	235.12	2.03	87.01	-632.60	-6,287.52	3,346.67	3,289.25	57.42	58.285		
14,800.00	6,840.00	6,694.21	6,692.00	237.79	2.03	86.66	-632.65	-6,287.61	3,442.56	3,385.99	56.58	60.848		
14,900.00	6,840.00	6,693.14	6,690.94	240.46	2.03	86.60	-632.66	-6,287.62	3,538.69	3,482.87	55.82	63.394		
15,000.00	6,840.00	6,692.09	6,689.89	243.13	2.03	86.54	-632.67	-6,287.64	3,635.02	3,579.90	55.12	65.951		
15,100.00	6,840.00	6,691.05	6,688.85	245.80	2.03	86.48	-632.68	-6,287.65	3,731.54	3,677.08	54.46	68.518		
15,200.00	6,840.00	6,690.03	6,687.83	248.48	2.03	86.42	-632.69	-6,287.66	3,828.25	3,774.40	53.85	71.092		
15,300.00	6,840.00	6,689.02	6,686.82	251.15	2.03	86.36	-632.70	-6,287.68	3,925.11	3,871.84	53.28	73.672		
15,400.00	6,840.00	6,688.02	6,685.82	253.83	2.03	86.30	-632.71	-6,287.69	4,022.14	3,969.39	52.75	76.255		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW G 26-23 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	6,840.00	6,687.04	6,684.84	256.51	2.03	86.24	-632.72	-6,287.71	4,119.30	4,067.05	52.25	78.842		
15,600.00	6,840.00	6,686.07	6,683.87	259.19	2.03	86.18	-632.72	-6,287.72	4,216.59	4,164.81	51.78	81.429		
15,700.00	6,840.00	6,685.12	6,682.91	261.87	2.03	86.12	-632.73	-6,287.73	4,314.01	4,262.66	51.35	84.016		
15,800.00	6,840.00	6,684.17	6,681.97	264.55	2.03	86.07	-632.74	-6,287.74	4,411.55	4,360.60	50.94	86.601		
15,900.00	6,840.00	6,683.24	6,681.04	267.23	2.03	86.01	-632.75	-6,287.76	4,509.19	4,458.63	50.56	89.183		
16,000.00	6,840.00	6,682.32	6,680.12	269.91	2.03	85.96	-632.76	-6,287.77	4,606.93	4,556.72	50.21	91.762		
16,100.00	6,840.00	6,681.41	6,679.21	272.59	2.03	85.90	-632.77	-6,287.78	4,704.77	4,654.89	49.87	94.337		
16,200.00	6,840.00	6,680.51	6,678.31	275.28	2.03	85.85	-632.77	-6,287.79	4,802.69	4,753.13	49.56	96.905		
16,300.00	6,840.00	6,679.63	6,677.42	277.96	2.03	85.80	-632.78	-6,287.81	4,900.70	4,851.43	49.27	99.468		
16,400.00	6,840.00	6,678.75	6,676.55	280.64	2.03	85.75	-632.79	-6,287.82	4,998.79	4,949.79	49.00	102.023		
16,500.00	6,840.00	6,677.89	6,675.69	283.33	2.03	85.69	-632.79	-6,287.83	5,096.95	5,048.21	48.74	104.571		
16,600.00	6,840.00	6,677.04	6,674.83	286.02	2.03	85.64	-632.80	-6,287.84	5,195.18	5,146.68	48.50	107.110		
16,700.00	6,840.00	6,676.19	6,673.99	288.70	2.03	85.59	-632.81	-6,287.85	5,293.48	5,245.20	48.28	109.640		
16,800.00	6,840.00	6,675.36	6,673.16	291.39	2.03	85.54	-632.82	-6,287.86	5,391.84	5,343.77	48.07	112.162		
16,900.00	6,840.00	6,674.54	6,672.34	294.08	2.03	85.50	-632.82	-6,287.87	5,490.26	5,442.39	47.88	114.673		
17,000.00	6,840.00	6,673.73	6,671.53	296.77	2.03	85.45	-632.83	-6,287.88	5,588.74	5,541.04	47.70	117.174		
17,100.00	6,840.00	6,672.93	6,670.72	299.46	2.03	85.40	-632.84	-6,287.89	5,687.27	5,639.74	47.53	119.665		
17,200.00	6,840.00	6,672.13	6,669.93	302.14	2.03	85.35	-632.84	-6,287.90	5,785.85	5,738.48	47.37	122.145		
17,300.00	6,840.00	6,671.35	6,669.15	304.84	2.03	85.31	-632.85	-6,287.91	5,884.47	5,837.25	47.22	124.614		
17,400.00	6,840.00	6,670.58	6,668.37	307.53	2.03	85.26	-632.86	-6,287.92	5,983.14	5,936.06	47.08	127.072		
17,500.00	6,840.00	6,669.81	6,667.61	310.22	2.03	85.22	-632.86	-6,287.93	6,081.86	6,034.90	46.96	129.518		
17,600.00	6,840.00	6,669.05	6,666.85	312.91	2.03	85.17	-632.87	-6,287.94	6,180.62	6,133.78	46.84	131.952		
17,700.00	6,840.00	6,668.31	6,666.11	315.60	2.03	85.13	-632.87	-6,287.95	6,279.41	6,232.68	46.73	134.374		
17,800.00	6,840.00	6,667.57	6,665.37	318.29	2.03	85.08	-632.88	-6,287.96	6,378.24	6,331.61	46.63	136.784		
17,900.00	6,840.00	6,666.84	6,664.64	320.99	2.03	85.04	-632.89	-6,287.96	6,477.11	6,430.58	46.54	139.181		
18,000.00	6,840.00	6,666.12	6,663.92	323.68	2.03	85.00	-632.89	-6,287.97	6,576.02	6,529.56	46.45	141.567		
18,100.00	6,840.00	6,665.40	6,663.20	326.38	2.03	84.95	-632.90	-6,287.98	6,674.95	6,628.58	46.37	143.939		
18,200.00	6,840.00	6,664.70	6,662.50	329.07	2.04	84.91	-632.90	-6,287.99	6,773.92	6,727.62	46.30	146.299		
18,300.00	6,840.00	6,664.00	6,661.80	331.77	2.04	84.87	-632.91	-6,288.00	6,872.91	6,826.68	46.24	148.647		
18,400.00	6,840.00	6,663.31	6,661.11	334.46	2.04	84.83	-632.91	-6,288.01	6,971.94	6,925.76	46.18	150.982		
18,500.00	6,840.00	6,662.63	6,660.43	337.16	2.04	84.79	-632.92	-6,288.01	7,070.99	7,024.87	46.12	153.304		
18,600.00	6,840.00	6,661.95	6,659.75	339.85	2.04	84.75	-632.93	-6,288.02	7,170.07	7,123.99	46.08	155.613		
18,700.00	6,840.00	6,661.28	6,659.08	342.55	2.04	84.71	-632.93	-6,288.03	7,269.17	7,223.14	46.03	157.909		
18,800.00	6,840.00	6,660.62	6,658.42	345.25	2.04	84.67	-632.94	-6,288.04	7,368.30	7,322.30	46.00	160.193		
18,900.00	6,840.00	6,659.97	6,657.77	347.94	2.04	84.63	-632.94	-6,288.04	7,467.45	7,421.49	45.96	162.463		
19,000.00	6,840.00	6,659.32	6,657.12	350.64	2.04	84.59	-632.95	-6,288.05	7,566.62	7,520.69	45.94	164.721		
19,100.00	6,840.00	6,658.69	6,656.49	353.34	2.04	84.56	-632.95	-6,288.06	7,665.82	7,619.91	45.91	166.966		
19,200.00	6,840.00	6,658.05	6,655.85	356.04	2.04	84.52	-632.96	-6,288.06	7,765.03	7,719.14	45.89	169.198		
19,300.00	6,840.00	6,657.43	6,655.23	358.74	2.04	84.48	-632.96	-6,288.07	7,864.27	7,818.39	45.88	171.417		
19,400.00	6,840.00	6,656.81	6,654.61	361.44	2.04	84.45	-632.97	-6,288.08	7,963.52	7,917.66	45.87	173.623		
19,500.00	6,840.00	6,656.20	6,654.00	364.13	2.04	84.41	-632.97	-6,288.08	8,062.79	8,016.94	45.86	175.817		
19,600.00	6,840.00	6,655.59	6,653.39	366.83	2.04	84.37	-632.98	-6,288.09	8,162.08	8,116.23	45.86	177.997		
19,700.00	6,840.00	6,654.99	6,652.79	369.53	2.04	84.34	-632.98	-6,288.10	8,261.39	8,215.54	45.85	180.165		
19,800.00	6,840.00	6,654.40	6,652.20	372.23	2.04	84.30	-632.99	-6,288.10	8,360.72	8,314.86	45.86	182.321		
19,900.00	6,840.00	6,653.81	6,651.61	374.94	2.04	84.27	-632.99	-6,288.11	8,460.05	8,414.19	45.86	184.463		
20,000.00	6,840.00	6,653.23	6,651.03	377.64	2.04	84.23	-632.99	-6,288.12	8,559.41	8,513.54	45.87	186.593		
20,100.00	6,840.00	6,652.65	6,650.45	380.34	2.04	84.20	-633.00	-6,288.12	8,658.78	8,612.89	45.88	188.711		
20,200.00	6,840.00	6,652.08	6,649.88	383.04	2.04	84.17	-633.00	-6,288.13	8,758.16	8,712.26	45.90	190.816		
20,300.00	6,840.00	6,651.52	6,649.32	385.74	2.04	84.13	-633.01	-6,288.13	8,857.56	8,811.64	45.92	192.908		
20,400.00	6,840.00	6,650.96	6,648.76	388.44	2.04	84.10	-633.01	-6,288.14	8,956.97	8,911.03	45.94	194.988		
20,500.00	6,840.00	6,650.41	6,648.21	391.14	2.04	84.07	-633.02	-6,288.15	9,056.39	9,010.44	45.96	197.056		
20,552.28	6,840.00	6,650.12	6,647.92	392.56	2.04	84.05	-633.02	-6,288.15	9,108.37	9,062.40	45.97	198.132		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-11 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 102-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-90.82	-116.68	-8,200.37	8,202.32					
100.00	100.00	0.00	0.00	0.13	0.00	-90.82	-116.68	-8,200.37	8,201.28	8,201.14	0.14	N/A		
200.00	200.00	80.63	80.63	0.49	0.09	-90.81	-116.63	-8,200.29	8,201.13	8,200.55	0.58	N/A		
300.00	300.00	181.70	181.70	0.85	0.20	-90.81	-116.54	-8,200.05	8,200.90	8,199.84	1.05	7,778.153		
400.00	399.98	295.57	295.56	1.20	0.31	37.27	-116.52	-8,199.73	8,199.23	8,197.72	1.51	5,446.669		
500.00	499.84	382.46	382.46	1.55	0.37	37.34	-116.47	-8,199.46	8,194.75	8,192.84	1.91	4,279.553		
600.00	599.45	484.61	484.61	1.91	0.44	37.47	-116.44	-8,199.23	8,187.59	8,185.26	2.34	3,501.417		
700.00	698.70	580.01	580.01	2.29	0.49	37.64	-116.33	-8,199.00	8,177.66	8,174.90	2.76	2,963.682		
800.00	797.47	677.69	677.69	2.70	0.54	37.86	-116.13	-8,198.80	8,165.04	8,161.85	3.19	2,559.231		
900.00	895.62	780.20	780.20	3.14	0.59	38.14	-115.89	-8,198.58	8,149.68	8,146.04	3.64	2,241.530		
1,000.00	993.06	902.10	902.10	3.62	0.65	38.49	-115.57	-8,198.11	8,131.47	8,127.37	4.11	1,980.353		
1,100.00	1,089.64	1,010.40	1,010.39	4.14	0.70	38.89	-115.28	-8,197.44	8,110.38	8,105.80	4.59	1,767.762		
1,200.00	1,185.27	1,078.18	1,078.18	4.70	0.73	39.29	-115.10	-8,197.10	8,086.80	8,081.73	5.07	1,594.796		
1,300.00	1,279.82	1,157.77	1,157.76	5.31	0.76	39.76	-114.83	-8,196.91	8,060.88	8,055.30	5.58	1,444.337		
1,400.00	1,373.17	1,252.13	1,252.12	5.98	0.79	40.30	-114.51	-8,196.78	8,032.54	8,026.42	6.12	1,312.948		
1,500.00	1,465.22	1,347.61	1,347.60	6.70	0.82	40.86	-114.49	-8,196.55	8,001.64	7,994.95	6.69	1,195.961		
1,600.00	1,556.72	1,440.62	1,440.61	7.45	0.86	41.05	-114.56	-8,196.35	7,969.82	7,962.54	7.28	1,094.705		
1,700.00	1,648.21	1,559.02	1,559.01	8.21	0.90	41.28	-114.79	-8,195.91	7,937.95	7,930.06	7.89	1,006.107		
1,800.00	1,739.71	1,644.86	1,644.84	8.99	0.92	41.46	-115.16	-8,195.35	7,905.89	7,897.39	8.50	930.612		
1,900.00	1,831.20	1,709.82	1,709.81	9.77	0.94	41.59	-115.51	-8,195.13	7,874.19	7,865.09	9.10	865.087		
2,000.00	1,922.69	1,784.63	1,784.61	10.56	0.96	41.74	-115.96	-8,195.08	7,842.82	7,833.10	9.71	807.307		
2,100.00	2,014.19	1,847.55	1,847.53	11.35	0.97	41.87	-116.38	-8,195.21	7,811.77	7,801.44	10.33	756.321		
2,200.00	2,105.68	1,909.04	1,909.02	12.14	0.97	41.99	-116.81	-8,195.59	7,781.18	7,770.23	10.95	710.778		
2,300.00	2,197.18	2,132.61	2,132.57	12.94	1.00	42.45	-118.89	-8,196.17	7,750.74	7,739.18	11.57	670.182		
2,400.00	2,288.67	2,200.00	2,199.95	13.74	1.02	42.58	-119.96	-8,195.71	7,719.08	7,706.88	12.20	632.550		
2,500.00	2,380.17	2,250.15	2,250.09	14.54	1.03	42.68	-120.76	-8,195.58	7,687.89	7,675.04	12.84	598.683		
2,600.00	2,471.66	2,300.00	2,299.94	15.35	1.04	42.78	-121.47	-8,195.68	7,657.24	7,643.76	13.48	567.838		
2,700.00	2,563.16	2,366.10	2,366.03	16.15	1.05	42.92	-122.30	-8,196.12	7,627.08	7,612.95	14.13	539.796		
2,800.00	2,654.65	2,434.57	2,434.50	16.96	1.05	43.06	-123.03	-8,196.82	7,597.34	7,582.56	14.78	514.126		
2,900.00	2,746.15	2,510.43	2,510.35	17.76	1.06	43.22	-123.55	-8,197.77	7,567.91	7,552.48	15.43	490.554		
3,000.00	2,837.64	2,592.76	2,592.67	18.57	1.07	43.40	-123.79	-8,198.93	7,538.72	7,522.64	16.08	468.817		
3,100.00	2,929.14	2,688.72	2,688.62	19.38	1.08	43.61	-123.74	-8,200.29	7,509.67	7,492.94	16.74	448.709		
3,200.00	3,020.63	2,788.93	2,788.82	20.19	1.09	43.84	-123.37	-8,201.61	7,480.63	7,463.24	17.40	430.009		
3,300.00	3,112.13	2,896.67	2,896.55	21.00	1.10	44.09	-122.71	-8,202.85	7,451.55	7,433.48	18.06	412.580		
3,400.00	3,203.62	3,148.44	3,148.30	21.81	1.13	44.66	-122.32	-8,202.86	7,421.53	7,402.83	18.70	396.887		
3,500.00	3,295.12	3,214.41	3,214.27	22.63	1.15	44.81	-123.14	-8,202.33	7,390.73	7,371.35	19.38	381.322		
3,600.00	3,386.61	3,290.19	3,290.04	23.44	1.17	44.98	-124.20	-8,201.92	7,360.27	7,340.20	20.07	366.798		
3,700.00	3,478.10	3,358.84	3,358.68	24.25	1.18	45.13	-125.24	-8,201.73	7,330.14	7,309.38	20.75	353.194		
3,800.00	3,569.60	3,425.20	3,425.03	25.06	1.19	45.28	-126.25	-8,201.77	7,300.40	7,278.95	21.44	340.428		
3,900.00	3,661.09	3,489.62	3,489.44	25.88	1.21	45.42	-127.27	-8,202.05	7,271.09	7,248.95	22.14	328.435		
4,000.00	3,752.59	3,550.41	3,550.22	26.69	1.22	45.56	-128.20	-8,202.56	7,242.25	7,219.41	22.84	317.150		
4,100.00	3,844.08	3,612.93	3,612.73	27.50	1.23	45.70	-128.99	-8,203.34	7,213.91	7,190.37	23.54	306.516		
4,200.00	3,935.58	3,686.67	3,686.46	28.32	1.24	45.87	-129.64	-8,204.48	7,185.96	7,161.72	24.24	296.504		
4,300.00	4,027.07	3,754.95	3,754.73	29.13	1.25	46.03	-129.97	-8,205.70	7,158.37	7,133.43	24.94	287.010		
4,400.00	4,118.57	3,828.18	3,827.94	29.95	1.26	46.21	-129.97	-8,207.23	7,131.20	7,105.55	25.65	278.021		
4,500.00	4,210.06	3,929.21	3,928.95	30.76	1.27	46.46	-129.41	-8,209.39	7,104.27	7,077.91	26.36	269.538		
4,600.00	4,301.56	4,119.04	4,118.76	31.58	1.29	46.93	-128.71	-8,211.82	7,076.59	7,049.54	27.05	261.644		
4,700.00	4,393.05	4,203.23	4,202.95	32.39	1.30	47.14	-128.34	-8,212.38	7,048.52	7,020.75	27.77	253.859		
4,800.00	4,484.55	4,260.50	4,260.22	33.21	1.31	47.29	-127.79	-8,212.91	7,020.84	6,992.35	28.50	246.373		
4,900.00	4,576.04	4,317.25	4,316.95	34.02	1.32	47.44	-126.91	-8,213.65	6,993.73	6,964.50	29.23	239.244		
5,000.00	4,667.54	4,371.02	4,370.70	34.84	1.33	47.58	-125.99	-8,214.64	6,967.22	6,937.25	29.97	232.449		
5,100.00	4,759.03	4,480.58	4,480.02	35.65	1.40	48.98	-116.89	-8,212.36	6,940.84	6,910.25	30.58	226.945		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-11 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 102-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,850.53	4,900.00	4,899.41	36.47	1.40	49.03	-116.67	-8,211.59	6,909.73	6,878.38	31.35	220.430		
5,300.00	4,942.02	4,900.00	4,899.41	37.28	1.40	49.03	-116.67	-8,211.59	6,879.92	6,847.80	32.12	214.194		
5,400.00	5,033.51	4,946.33	4,945.73	38.10	1.41	49.17	-115.88	-8,210.42	6,850.57	6,817.69	32.88	208.366		
5,500.00	5,125.01	5,000.00	4,999.36	38.92	1.41	49.32	-114.27	-8,210.78	6,823.28	6,789.65	33.64	202.858		
5,600.00	5,216.50	5,000.00	4,999.36	39.73	1.41	49.32	-114.27	-8,210.78	6,796.18	6,761.76	34.42	197.456		
5,700.00	5,308.00	5,000.00	4,999.36	40.55	1.41	49.32	-114.27	-8,210.78	6,770.44	6,735.24	35.20	192.321		
5,800.00	5,399.49	5,229.13	5,228.33	41.36	1.45	50.01	-105.94	-8,212.77	6,744.35	6,708.42	35.94	187.681		
5,900.00	5,490.99	5,900.00	5,362.60	42.18	1.55	50.41	-102.00	-8,212.41	6,717.42	6,680.65	36.77	182.698		
6,000.00	5,582.48	5,552.14	5,551.21	43.00	1.50	50.97	-97.80	-8,209.61	6,689.21	6,651.79	37.43	178.732		
6,100.00	5,673.98	5,639.82	5,638.86	43.81	1.51	51.23	-96.68	-8,208.03	6,660.95	6,622.75	38.20	174.373		
6,200.00	5,765.47	5,731.26	5,730.29	44.63	1.53	51.49	-96.31	-8,206.58	6,632.89	6,593.92	38.97	170.191		
6,300.00	5,856.97	5,822.97	5,821.99	45.45	1.54	51.76	-96.18	-8,205.06	6,604.86	6,565.11	39.75	166.156		
6,400.00	5,948.46	5,886.75	5,885.77	46.26	1.55	51.94	-96.22	-8,204.21	6,577.23	6,536.69	40.54	162.221		
6,500.00	6,039.96	5,943.02	5,942.03	47.08	1.56	52.10	-96.30	-8,203.73	6,550.16	6,508.82	41.34	158.438		
6,600.00	6,131.45	6,000.00	5,999.01	47.90	1.57	52.27	-96.20	-8,203.54	6,523.75	6,481.61	42.14	154.804		
6,700.00	6,222.95	6,082.45	6,081.46	48.71	1.58	52.51	-95.85	-8,203.51	6,497.80	6,454.87	42.94	151.331		
6,800.00	6,314.44	6,181.67	6,180.68	49.53	1.60	52.81	-95.41	-8,203.46	6,472.00	6,428.28	43.73	148.002		
6,900.00	6,405.93	6,271.36	6,270.37	50.35	1.62	53.08	-95.15	-8,203.37	6,446.28	6,401.75	44.53	144.766		
7,000.00	6,497.01	6,367.93	6,366.94	51.18	1.64	48.59	-94.91	-8,203.29	6,419.51	6,374.18	45.33	141.603		
7,100.00	6,588.62	6,461.17	6,460.17	52.20	1.65	41.24	-94.78	-8,203.11	6,379.85	6,333.65	46.20	138.084		
7,200.00	6,659.25	6,542.82	6,541.83	53.42	1.67	38.31	-94.75	-8,202.89	6,325.41	6,278.29	47.12	134.252		
7,300.00	6,724.59	6,611.79	6,610.80	54.84	1.68	38.47	-94.82	-8,202.67	6,257.89	6,209.85	48.04	130.274		
7,400.00	6,776.64	6,660.48	6,659.49	56.40	1.69	41.73	-94.87	-8,202.53	6,179.40	6,130.47	48.93	126.283		
7,500.00	6,813.82	6,695.98	6,694.98	58.08	1.70	49.68	-94.90	-8,202.43	6,092.32	6,042.55	49.77	122.419		
7,600.00	6,835.01	6,721.18	6,720.18	59.82	1.70	66.88	-94.91	-8,202.35	5,999.24	5,948.73	50.50	118.789		
7,700.00	6,840.00	6,727.03	6,726.04	61.57	1.70	90.85	-94.92	-8,202.33	5,902.96	5,851.83	51.13	115.453		
7,800.00	6,840.00	6,726.58	6,725.58	63.35	1.70	90.83	-94.92	-8,202.33	5,806.25	5,754.52	51.73	112.232		
7,900.00	6,840.00	6,726.12	6,725.13	65.20	1.70	90.81	-94.92	-8,202.33	5,709.66	5,657.29	52.37	109.032		
8,000.00	6,840.00	6,725.68	6,724.68	67.10	1.70	90.80	-94.92	-8,202.33	5,613.18	5,560.15	53.03	105.853		
8,100.00	6,840.00	6,725.23	6,724.24	69.05	1.70	90.78	-94.92	-8,202.34	5,516.83	5,463.11	53.72	102.698		
8,200.00	6,840.00	6,724.79	6,723.80	71.06	1.70	90.76	-94.92	-8,202.34	5,420.61	5,366.16	54.44	99.568		
8,300.00	6,840.00	6,724.35	6,723.36	73.11	1.70	90.74	-94.92	-8,202.34	5,324.52	5,269.33	55.20	96.465		
8,400.00	6,840.00	6,723.92	6,722.92	75.21	1.70	90.73	-94.92	-8,202.34	5,228.59	5,172.60	55.99	93.390		
8,500.00	6,840.00	6,723.49	6,722.49	77.34	1.70	90.71	-94.92	-8,202.34	5,132.81	5,076.00	56.81	90.345		
8,600.00	6,840.00	6,723.06	6,722.07	79.51	1.70	90.70	-94.92	-8,202.34	5,037.20	4,979.52	57.68	87.331		
8,700.00	6,840.00	6,722.64	6,721.64	81.72	1.70	90.68	-94.92	-8,202.35	4,941.76	4,883.17	58.59	84.350		
8,800.00	6,840.00	6,722.21	6,721.22	83.95	1.70	90.66	-94.92	-8,202.35	4,846.50	4,786.96	59.54	81.405		
8,900.00	6,840.00	6,721.80	6,720.80	86.22	1.70	90.65	-94.92	-8,202.35	4,751.44	4,690.91	60.53	78.496		
9,000.00	6,840.00	6,721.38	6,720.39	88.51	1.70	90.63	-94.92	-8,202.35	4,656.58	4,595.01	61.57	75.625		
9,100.00	6,840.00	6,720.97	6,719.98	90.83	1.70	90.61	-94.91	-8,202.35	4,561.94	4,499.28	62.67	72.795		
9,200.00	6,840.00	6,720.57	6,719.57	93.16	1.70	90.60	-94.91	-8,202.35	4,467.54	4,403.73	63.82	70.006		
9,300.00	6,840.00	6,720.16	6,719.17	95.52	1.70	90.58	-94.91	-8,202.35	4,373.39	4,308.37	65.02	67.260		
9,400.00	6,840.00	6,719.76	6,718.77	97.90	1.70	90.57	-94.91	-8,202.36	4,279.50	4,213.21	66.29	64.560		
9,500.00	6,840.00	6,719.36	6,718.37	100.30	1.70	90.55	-94.91	-8,202.36	4,185.90	4,118.28	67.62	61.906		
9,600.00	6,840.00	6,718.97	6,717.98	102.72	1.70	90.54	-94.91	-8,202.36	4,092.59	4,023.58	69.01	59.301		
9,700.00	6,840.00	6,718.58	6,717.59	105.15	1.70	90.52	-94.91	-8,202.36	3,999.61	3,929.13	70.48	56.746		
9,800.00	6,840.00	6,718.19	6,717.20	107.59	1.70	90.51	-94.91	-8,202.36	3,906.98	3,834.95	72.03	54.242		
9,900.00	6,840.00	6,717.81	6,716.81	110.05	1.70	90.49	-94.91	-8,202.36	3,814.72	3,741.07	73.66	51.791		
10,000.00	6,840.00	6,717.42	6,716.43	112.52	1.70	90.48	-94.91	-8,202.36	3,722.86	3,647.49	75.37	49.395		
10,100.00	6,840.00	6,717.04	6,716.05	115.00	1.70	90.46	-94.91	-8,202.36	3,631.43	3,554.26	77.17	47.056		
10,200.00	6,840.00	6,716.67	6,715.67	117.50	1.70	90.45	-94.91	-8,202.37	3,540.46	3,461.39	79.07	44.774		
10,300.00	6,840.00	6,716.29	6,715.30	120.00	1.70	90.43	-94.91	-8,202.37	3,450.00	3,368.92	81.08	42.550		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-11 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 102-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,840.00	6,715.92	6,714.93	122.51	1.70	90.42	-94.91	-8,202.37	3,360.07	3,276.87	83.20	40.388		
10,500.00	6,840.00	6,715.55	6,714.56	125.04	1.70	90.41	-94.91	-8,202.37	3,270.73	3,185.30	85.43	38.287		
10,600.00	6,840.00	6,715.19	6,714.19	127.57	1.70	90.39	-94.91	-8,202.37	3,182.02	3,094.24	87.78	36.248		
10,700.00	6,840.00	6,714.83	6,713.83	130.11	1.70	90.38	-94.91	-8,202.37	3,094.00	3,003.73	90.27	34.274		
10,800.00	6,840.00	6,714.47	6,713.47	132.66	1.70	90.36	-94.91	-8,202.37	3,006.73	2,913.83	92.90	32.365		
10,900.00	6,840.00	6,714.11	6,713.12	135.21	1.70	90.35	-94.91	-8,202.37	2,920.28	2,824.60	95.68	30.522		
11,000.00	6,840.00	6,713.75	6,712.76	137.77	1.70	90.34	-94.91	-8,202.37	2,834.72	2,736.11	98.61	28.746		
11,100.00	6,840.00	6,713.40	6,712.41	140.34	1.70	90.32	-94.91	-8,202.38	2,750.13	2,648.42	101.71	27.039		
11,200.00	6,840.00	6,713.05	6,712.06	142.91	1.70	90.31	-94.91	-8,202.38	2,666.61	2,561.62	104.98	25.400		
11,300.00	6,840.00	6,712.71	6,711.71	145.49	1.70	90.30	-94.91	-8,202.38	2,584.26	2,475.82	108.44	23.831		
11,400.00	6,840.00	6,712.36	6,711.37	148.07	1.70	90.28	-94.91	-8,202.38	2,503.19	2,391.10	112.09	22.332		
11,500.00	6,840.00	6,712.02	6,711.03	150.66	1.70	90.27	-94.91	-8,202.38	2,423.55	2,307.61	115.94	20.904		
11,600.00	6,840.00	6,711.68	6,710.69	153.25	1.70	90.26	-94.91	-8,202.38	2,345.46	2,225.47	119.99	19.547		
11,700.00	6,840.00	6,711.34	6,710.35	155.85	1.70	90.24	-94.91	-8,202.38	2,269.09	2,144.84	124.25	18.262		
11,800.00	6,840.00	6,711.01	6,710.02	158.45	1.70	90.23	-94.91	-8,202.38	2,194.62	2,065.90	128.72	17.049		
11,900.00	6,840.00	6,710.68	6,709.68	161.06	1.70	90.22	-94.91	-8,202.38	2,122.25	1,988.85	133.40	15.909		
12,000.00	6,840.00	6,710.35	6,709.35	163.67	1.70	90.21	-94.91	-8,202.39	2,052.20	1,913.92	138.28	14.841		
12,100.00	6,840.00	6,710.02	6,709.03	166.28	1.70	90.19	-94.91	-8,202.39	1,984.72	1,841.38	143.34	13.846		
12,200.00	6,840.00	6,709.70	6,708.70	168.90	1.70	90.18	-94.91	-8,202.39	1,920.08	1,771.51	148.57	12.924		
12,300.00	6,840.00	6,709.37	6,708.38	171.52	1.70	90.17	-94.91	-8,202.39	1,858.57	1,704.63	153.94	12.074		
12,400.00	6,840.00	6,709.05	6,708.06	174.15	1.70	90.16	-94.91	-8,202.39	1,800.52	1,641.13	159.39	11.296		
12,500.00	6,840.00	6,708.73	6,707.74	176.77	1.70	90.14	-94.91	-8,202.39	1,746.27	1,581.39	164.89	10.591		
12,600.00	6,840.00	6,708.42	6,707.42	179.40	1.70	90.13	-94.91	-8,202.39	1,696.19	1,525.84	170.35	9.957		
12,700.00	6,840.00	6,708.10	6,707.11	182.04	1.70	90.12	-94.91	-8,202.39	1,650.65	1,474.96	175.69	9.395		
12,800.00	6,840.00	6,707.79	6,706.80	184.67	1.70	90.11	-94.91	-8,202.39	1,610.04	1,429.23	180.81	8.905		
12,900.00	6,840.00	6,707.48	6,706.49	187.31	1.70	90.10	-94.90	-8,202.39	1,574.74	1,389.13	185.61	8.484		
13,000.00	6,840.00	6,707.18	6,706.18	189.95	1.70	90.08	-94.90	-8,202.40	1,545.12	1,355.16	189.96	8.134		
13,100.00	6,840.00	6,706.87	6,705.88	192.59	1.70	90.07	-94.90	-8,202.40	1,521.51	1,327.75	193.76	7.853		
13,200.00	6,840.00	6,706.57	6,705.57	195.24	1.70	90.06	-94.90	-8,202.40	1,504.19	1,307.30	196.89	7.640		
13,300.00	6,840.00	6,706.27	6,705.27	197.88	1.70	90.05	-94.90	-8,202.40	1,493.37	1,294.12	199.26	7.495		
13,400.00	6,840.00	6,705.97	6,704.97	200.53	1.70	90.04	-94.90	-8,202.40	1,489.21	1,288.41	200.80	7.416		
13,412.07	6,840.00	6,705.93	6,704.94	200.85	1.70	90.04	-94.90	-8,202.40	1,489.16	1,288.24	200.93	7.411	CC, ES	
13,500.00	6,840.00	6,705.67	6,704.68	203.18	1.70	90.03	-94.90	-8,202.40	1,491.76	1,290.28	201.48	7.404	SF	
13,600.00	6,840.00	6,705.38	6,704.38	205.83	1.70	90.01	-94.90	-8,202.40	1,500.97	1,299.68	201.29	7.457		
13,700.00	6,840.00	6,705.08	6,704.09	208.49	1.70	90.00	-94.90	-8,202.40	1,516.74	1,316.46	200.28	7.573		
13,800.00	6,840.00	6,704.79	6,703.80	211.14	1.70	89.99	-94.90	-8,202.40	1,538.86	1,340.36	198.50	7.752		
13,900.00	6,840.00	6,704.50	6,703.51	213.80	1.70	89.98	-94.90	-8,202.40	1,567.06	1,371.01	196.05	7.993		
14,000.00	6,840.00	6,704.21	6,703.22	216.46	1.70	89.97	-94.90	-8,202.40	1,601.02	1,408.00	193.02	8.295		
14,100.00	6,840.00	6,703.93	6,702.94	219.12	1.70	89.96	-94.90	-8,202.40	1,640.38	1,450.86	189.52	8.655		
14,200.00	6,840.00	6,703.66	6,702.66	221.78	1.70	89.95	-94.90	-8,202.41	1,684.77	1,499.10	185.66	9.074		
14,300.00	6,840.00	6,703.39	6,702.39	224.45	1.70	89.94	-94.90	-8,202.41	1,733.79	1,552.24	181.54	9.550		
14,400.00	6,840.00	6,703.12	6,702.12	227.11	1.70	89.93	-94.90	-8,202.41	1,787.07	1,609.81	177.26	10.082		
14,500.00	6,840.00	6,702.85	6,701.85	229.78	1.70	89.92	-94.90	-8,202.41	1,844.23	1,671.35	172.88	10.667		
14,600.00	6,840.00	6,702.58	6,701.58	232.45	1.70	89.91	-94.90	-8,202.41	1,904.94	1,736.45	168.48	11.306		
14,700.00	6,840.00	6,702.31	6,701.31	235.12	1.70	89.90	-94.90	-8,202.41	1,968.85	1,804.74	164.11	11.997		
14,800.00	6,840.00	6,702.04	6,701.04	237.79	1.70	89.89	-94.90	-8,202.41	2,035.67	1,875.86	159.81	12.738		
14,900.00	6,840.00	6,701.76	6,700.77	240.46	1.70	89.88	-94.90	-8,202.41	2,105.12	1,949.51	155.61	13.528		
15,000.00	6,840.00	6,701.49	6,700.50	243.13	1.70	89.87	-94.90	-8,202.41	2,176.95	2,025.42	151.53	14.367		
15,100.00	6,840.00	6,701.22	6,700.23	245.80	1.70	89.85	-94.90	-8,202.41	2,250.93	2,103.34	147.59	15.251		
15,200.00	6,840.00	6,700.95	6,699.96	248.48	1.70	89.84	-94.90	-8,202.41	2,326.86	2,183.06	143.80	16.181		
15,300.00	6,840.00	6,700.68	6,699.68	251.15	1.70	89.83	-94.90	-8,202.41	2,404.55	2,264.39	140.16	17.155		
15,400.00	6,840.00	6,700.40	6,699.41	253.83	1.70	89.82	-94.90	-8,202.41	2,483.84	2,347.15	136.69	18.172		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-11 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 102-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	6,840.00	6,700.13	6,699.14	256.51	1.70	89.81	-94.90	-8,202.42	2,564.57	2,431.21	133.37	19.230		
15,600.00	6,840.00	6,699.86	6,698.87	259.19	1.70	89.80	-94.90	-8,202.42	2,646.62	2,516.43	130.20	20.328		
15,700.00	6,840.00	6,699.59	6,698.59	261.87	1.70	89.79	-94.90	-8,202.42	2,729.87	2,602.69	127.18	21.465		
15,800.00	6,840.00	6,699.31	6,698.32	264.55	1.70	89.78	-94.90	-8,202.42	2,814.21	2,689.90	124.31	22.639		
15,900.00	6,840.00	6,699.04	6,698.04	267.23	1.70	89.77	-94.90	-8,202.42	2,899.55	2,777.97	121.57	23.850		
16,000.00	6,840.00	6,698.76	6,697.77	269.91	1.70	89.76	-94.90	-8,202.42	2,985.79	2,866.82	118.97	25.097		
16,100.00	6,840.00	6,698.49	6,697.50	272.59	1.70	89.75	-94.90	-8,202.42	3,072.87	2,956.37	116.50	26.377		
16,200.00	6,840.00	6,698.22	6,697.22	275.28	1.70	89.74	-94.90	-8,202.42	3,160.71	3,046.57	114.15	27.690		
16,300.00	6,840.00	6,697.94	6,696.95	277.96	1.70	89.73	-94.90	-8,202.42	3,249.26	3,137.35	111.91	29.035		
16,400.00	6,840.00	6,697.67	6,696.67	280.64	1.70	89.72	-94.90	-8,202.42	3,338.45	3,228.67	109.78	30.410		
16,500.00	6,840.00	6,697.39	6,696.40	283.33	1.70	89.71	-94.90	-8,202.42	3,428.24	3,320.49	107.76	31.815		
16,600.00	6,840.00	6,697.11	6,696.12	286.02	1.70	89.70	-94.90	-8,202.42	3,518.59	3,412.76	105.83	33.248		
16,700.00	6,840.00	6,696.84	6,695.84	288.70	1.70	89.69	-94.90	-8,202.42	3,609.44	3,505.44	103.99	34.709		
16,800.00	6,840.00	6,696.56	6,695.57	291.39	1.70	89.68	-94.90	-8,202.43	3,700.76	3,598.51	102.24	36.195		
16,900.00	6,840.00	6,696.29	6,695.29	294.08	1.70	89.66	-94.90	-8,202.43	3,792.52	3,691.94	100.58	37.707		
17,000.00	6,840.00	6,696.01	6,695.02	296.77	1.70	89.65	-94.90	-8,202.43	3,884.68	3,785.69	98.99	39.244		
17,100.00	6,840.00	6,695.73	6,694.74	299.46	1.70	89.64	-94.90	-8,202.43	3,977.23	3,879.76	97.47	40.803		
17,200.00	6,840.00	6,695.45	6,694.46	302.14	1.70	89.63	-94.90	-8,202.43	4,070.13	3,974.10	96.03	42.385		
17,300.00	6,840.00	6,695.18	6,694.18	304.84	1.70	89.62	-94.90	-8,202.43	4,163.35	4,068.71	94.65	43.988		
17,400.00	6,840.00	6,694.90	6,693.91	307.53	1.69	89.61	-94.90	-8,202.43	4,256.89	4,163.56	93.33	45.612		
17,500.00	6,840.00	6,694.62	6,693.63	310.22	1.69	89.60	-94.90	-8,202.43	4,350.71	4,258.64	92.07	47.255		
17,600.00	6,840.00	6,694.34	6,693.35	312.91	1.69	89.59	-94.90	-8,202.43	4,444.80	4,353.94	90.86	48.917		
17,700.00	6,840.00	6,694.06	6,693.07	315.60	1.69	89.58	-94.90	-8,202.43	4,539.14	4,449.43	89.71	50.597		
17,800.00	6,840.00	6,693.79	6,692.79	318.29	1.69	89.57	-94.90	-8,202.43	4,633.73	4,545.12	88.61	52.294		
17,900.00	6,840.00	6,693.51	6,692.51	320.99	1.69	89.56	-94.90	-8,202.43	4,728.53	4,640.97	87.55	54.007		
18,000.00	6,840.00	6,693.23	6,692.23	323.68	1.69	89.55	-94.90	-8,202.43	4,823.54	4,737.00	86.54	55.735		
18,100.00	6,840.00	6,692.95	6,691.95	326.38	1.69	89.54	-94.90	-8,202.44	4,918.75	4,833.18	85.58	57.478		
18,200.00	6,840.00	6,692.67	6,691.67	329.07	1.69	89.53	-94.90	-8,202.44	5,014.15	4,929.50	84.65	59.235		
18,300.00	6,840.00	6,692.39	6,691.39	331.77	1.69	89.51	-94.90	-8,202.44	5,109.73	5,025.97	83.76	61.005		
18,400.00	6,840.00	6,692.11	6,691.11	334.46	1.69	89.50	-94.90	-8,202.44	5,205.47	5,122.56	82.91	62.788		
18,500.00	6,840.00	6,691.83	6,690.83	337.16	1.69	89.49	-94.90	-8,202.44	5,301.36	5,219.28	82.09	64.583		
18,600.00	6,840.00	6,691.54	6,690.55	339.85	1.69	89.48	-94.90	-8,202.44	5,397.41	5,316.11	81.30	66.389		
18,700.00	6,840.00	6,691.26	6,690.27	342.55	1.69	89.47	-94.89	-8,202.44	5,493.60	5,413.05	80.55	68.205		
18,800.00	6,840.00	6,690.98	6,689.99	345.25	1.69	89.46	-94.89	-8,202.44	5,589.92	5,510.10	79.82	70.031		
18,900.00	6,840.00	6,690.70	6,689.71	347.94	1.69	89.45	-94.89	-8,202.44	5,686.37	5,607.24	79.12	71.867		
19,000.00	6,840.00	6,690.42	6,689.42	350.64	1.69	89.44	-94.89	-8,202.44	5,782.94	5,704.48	78.45	73.711		
19,100.00	6,840.00	6,690.13	6,689.14	353.34	1.69	89.43	-94.89	-8,202.44	5,879.62	5,801.81	77.81	75.563		
19,200.00	6,840.00	6,689.85	6,688.86	356.04	1.69	89.42	-94.89	-8,202.44	5,976.41	5,899.22	77.19	77.423		
19,300.00	6,840.00	6,689.57	6,688.58	358.74	1.69	89.41	-94.89	-8,202.44	6,073.31	5,996.71	76.60	79.290		
19,400.00	6,840.00	6,689.29	6,688.29	361.44	1.69	89.40	-94.89	-8,202.45	6,170.31	6,094.28	76.02	81.164		
19,500.00	6,840.00	6,689.00	6,688.01	364.13	1.69	89.38	-94.89	-8,202.45	6,267.40	6,191.92	75.47	83.043		
19,600.00	6,840.00	6,688.72	6,687.72	366.83	1.69	89.37	-94.89	-8,202.45	6,364.58	6,289.64	74.94	84.929		
19,700.00	6,840.00	6,688.43	6,687.44	369.53	1.69	89.36	-94.89	-8,202.45	6,461.84	6,387.41	74.43	86.819		
19,800.00	6,840.00	6,688.15	6,687.16	372.23	1.69	89.35	-94.89	-8,202.45	6,559.19	6,485.25	73.94	88.714		
19,900.00	6,840.00	6,687.86	6,686.87	374.94	1.69	89.34	-94.89	-8,202.45	6,656.62	6,583.15	73.46	90.612		
20,000.00	6,840.00	6,687.58	6,686.59	377.64	1.69	89.33	-94.89	-8,202.45	6,754.12	6,681.11	73.01	92.515		
20,100.00	6,840.00	6,687.29	6,686.30	380.34	1.69	89.32	-94.89	-8,202.45	6,851.69	6,779.13	72.57	94.421		
20,200.00	6,840.00	6,687.01	6,686.02	383.04	1.69	89.31	-94.89	-8,202.45	6,949.34	6,877.20	72.14	96.330		
20,300.00	6,840.00	6,686.72	6,685.73	385.74	1.69	89.30	-94.89	-8,202.45	7,047.05	6,975.31	71.73	98.242		
20,400.00	6,840.00	6,686.44	6,685.44	388.44	1.69	89.29	-94.89	-8,202.45	7,144.82	7,073.48	71.34	100.155		
20,500.00	6,840.00	6,686.15	6,685.16	391.14	1.69	89.28	-94.89	-8,202.45	7,242.65	7,171.69	70.96	102.070		
20,552.28	6,840.00	6,686.00	6,685.01	392.56	1.69	89.27	-94.89	-8,202.45	7,293.82	7,223.05	70.76	103.072		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-12 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-90.00	0.36	-9,503.30	9,504.33					
100.00	100.00	0.00	0.00	0.13	0.00	-90.00	0.36	-9,503.30	9,503.38	9,503.25	0.13	N/A		
200.00	200.00	129.29	129.28	0.49	0.15	-90.00	0.82	-9,502.66	9,502.91	9,502.27	0.64	N/A		
300.00	300.00	200.00	200.00	0.85	0.24	-89.99	1.07	-9,502.22	9,502.31	9,501.22	1.09	8,727.956		
400.00	399.98	259.95	259.94	1.20	0.24	38.08	1.16	-9,502.07	9,500.70	9,499.26	1.44	6,617.499		
500.00	499.84	335.27	335.26	1.55	0.26	38.15	1.09	-9,502.24	9,496.78	9,494.98	1.80	5,267.995		
600.00	599.45	446.46	446.45	1.91	0.33	38.26	0.66	-9,502.42	9,490.08	9,487.85	2.23	4,257.237		
700.00	698.70	534.07	534.06	2.29	0.38	38.42	0.29	-9,502.58	9,480.67	9,478.02	2.65	3,574.185		
800.00	797.47	617.46	617.45	2.70	0.43	38.61	-0.11	-9,502.89	9,468.74	9,465.66	3.08	3,074.442		
900.00	895.62	728.88	728.87	3.14	0.49	38.88	-0.70	-9,503.28	9,454.10	9,450.56	3.53	2,676.300		
1,000.00	993.06	835.14	835.12	3.62	0.54	39.19	-1.11	-9,503.52	9,436.67	9,432.67	4.00	2,361.484		
1,100.00	1,089.64	925.13	925.11	4.14	0.58	39.54	-1.45	-9,503.69	9,416.57	9,412.11	4.47	2,106.997		
1,200.00	1,185.27	1,000.00	999.99	4.70	0.61	39.92	-1.73	-9,503.99	9,394.07	9,389.12	4.96	1,895.240		
1,300.00	1,279.82	1,086.42	1,086.40	5.31	0.65	40.37	-1.91	-9,504.47	9,369.16	9,363.69	5.47	1,711.493		
1,400.00	1,373.17	1,166.41	1,166.40	5.98	0.68	40.85	-1.91	-9,504.98	9,341.81	9,335.79	6.02	1,552.018		
1,500.00	1,465.22	1,260.85	1,260.83	6.70	0.71	41.38	-1.85	-9,505.68	9,312.10	9,305.50	6.60	1,410.635		
1,600.00	1,556.72	1,360.18	1,360.15	7.45	0.75	41.55	-1.67	-9,506.31	9,281.35	9,274.15	7.20	1,289.711		
1,700.00	1,648.21	1,437.02	1,436.99	8.21	0.78	41.69	-1.53	-9,506.80	9,250.67	9,242.88	7.80	1,186.528		
1,800.00	1,739.71	1,501.65	1,501.62	8.99	0.80	41.80	-1.34	-9,507.39	9,220.32	9,211.92	8.40	1,097.255		
1,900.00	1,831.20	1,615.37	1,615.33	9.77	0.84	42.00	-0.93	-9,508.42	9,190.03	9,181.00	9.03	1,017.446		
2,000.00	1,922.69	1,694.61	1,694.57	10.56	0.86	42.15	-0.61	-9,509.12	9,159.80	9,150.14	9.66	948.326		
2,100.00	2,014.19	1,778.90	1,778.86	11.35	0.89	42.30	-0.18	-9,509.96	9,129.74	9,119.45	10.29	887.007		
2,200.00	2,105.68	1,912.52	1,912.47	12.14	0.93	42.54	0.81	-9,511.07	9,099.65	9,088.71	10.94	831.694		
2,300.00	2,197.18	2,050.39	2,050.33	12.94	0.97	42.80	2.38	-9,511.57	9,069.23	9,057.64	11.59	782.823		
2,400.00	2,288.67	2,156.86	2,156.79	13.74	0.99	43.01	3.91	-9,511.37	9,038.35	9,026.13	12.23	739.322		
2,500.00	2,380.17	2,225.57	2,225.49	14.54	1.00	43.14	4.86	-9,511.34	9,007.71	8,994.84	12.87	700.066		
2,600.00	2,471.66	2,287.16	2,287.08	15.35	1.02	43.26	5.65	-9,511.51	8,977.42	8,963.91	13.51	664.316		
2,700.00	2,563.16	2,342.45	2,342.36	16.15	1.03	43.37	6.29	-9,511.86	8,947.55	8,933.38	14.17	631.609		
2,800.00	2,654.65	2,400.00	2,399.91	16.96	1.05	43.48	6.85	-9,512.48	8,918.15	8,903.32	14.82	601.615		
2,900.00	2,746.15	2,480.56	2,480.46	17.76	1.08	43.63	7.56	-9,513.56	8,889.07	8,873.58	15.49	573.825		
3,000.00	2,837.64	2,582.19	2,582.08	18.57	1.11	43.83	8.48	-9,514.91	8,860.07	8,843.90	16.16	548.121		
3,100.00	2,929.14	2,683.80	2,683.67	19.38	1.14	44.03	9.35	-9,516.12	8,831.03	8,814.19	16.84	524.380		
3,200.00	3,020.63	2,844.09	2,843.95	20.19	1.19	44.34	10.53	-9,517.41	8,801.75	8,784.23	17.52	502.328		
3,300.00	3,112.13	2,981.19	2,981.05	21.00	1.22	44.61	11.05	-9,517.51	8,771.79	8,753.60	18.19	482.212		
3,400.00	3,203.62	3,125.80	3,125.66	21.81	1.24	44.89	11.69	-9,516.84	8,741.47	8,722.62	18.85	463.835		
3,500.00	3,295.12	3,232.50	3,232.35	22.63	1.25	45.11	12.24	-9,515.98	8,710.93	8,691.42	19.51	446.533		
3,600.00	3,386.61	3,379.93	3,379.77	23.44	1.27	45.41	13.38	-9,514.14	8,680.12	8,659.95	20.17	430.443		
3,700.00	3,478.10	3,602.67	3,602.41	24.25	1.30	45.88	16.65	-9,508.54	8,648.16	8,627.35	20.81	415.555		
3,800.00	3,569.60	3,678.46	3,678.15	25.06	1.31	46.05	18.16	-9,506.16	8,615.90	8,594.41	21.49	400.911		
3,900.00	3,661.09	3,766.17	3,765.80	25.88	1.32	46.24	19.94	-9,503.49	8,583.83	8,561.66	22.17	387.153		
4,000.00	3,752.59	3,856.00	3,855.58	26.69	1.33	46.44	21.34	-9,500.79	8,551.86	8,529.01	22.85	374.179		
4,100.00	3,844.08	3,943.58	3,943.10	27.50	1.35	46.63	22.58	-9,498.19	8,520.01	8,496.47	23.54	361.905		
4,200.00	3,935.58	4,024.40	4,023.89	28.32	1.36	46.81	23.61	-9,495.84	8,488.31	8,464.07	24.23	350.263		
4,300.00	4,027.07	4,094.66	4,094.12	29.13	1.37	46.96	24.16	-9,493.97	8,456.88	8,431.95	24.93	339.202		
4,400.00	4,118.57	4,204.99	4,204.41	29.95	1.38	47.20	24.79	-9,491.07	8,425.56	8,399.94	25.62	328.841		
4,500.00	4,210.06	4,303.60	4,302.98	30.76	1.40	47.42	25.48	-9,488.30	8,394.19	8,367.87	26.32	318.936		
4,600.00	4,301.56	4,417.70	4,417.02	31.58	1.42	47.67	26.40	-9,484.85	8,362.74	8,335.72	27.02	309.547		
4,700.00	4,393.05	4,490.98	4,490.27	32.39	1.43	47.83	26.85	-9,482.65	8,331.39	8,303.66	27.73	300.475		
4,800.00	4,484.55	4,800.00	4,596.40	33.21	1.48	48.07	27.35	-9,479.36	8,300.03	8,271.57	28.46	291.621		
4,900.00	4,576.04	4,655.55	4,654.76	34.02	1.46	48.20	27.79	-9,477.57	8,268.89	8,239.73	29.16	283.613		
5,000.00	4,667.54	4,700.00	4,699.19	34.84	1.46	48.30	28.35	-9,476.43	8,238.32	8,208.43	29.89	275.650		
5,100.00	4,759.03	4,750.08	4,749.26	35.65	1.48	48.42	29.12	-9,475.38	8,208.33	8,177.71	30.62	268.064		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-12 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,850.53	4,800.00	4,799.16	36.47	1.49	48.54	29.98	-9,474.61	8,178.94	8,147.59	31.36	260.828		
5,300.00	4,942.02	4,878.64	4,877.78	37.28	1.50	48.72	31.41	-9,473.64	8,149.97	8,117.88	32.09	253.963		
5,400.00	5,033.51	4,963.14	4,962.26	38.10	1.53	48.92	32.98	-9,472.66	8,121.19	8,088.36	32.83	247.397		
5,500.00	5,125.01	5,050.05	5,049.15	38.92	1.55	49.13	34.69	-9,471.70	8,092.59	8,059.02	33.56	241.104		
5,600.00	5,216.50	5,133.94	5,133.02	39.73	1.57	49.33	36.17	-9,470.83	8,064.14	8,029.84	34.31	235.061		
5,700.00	5,308.00	5,211.72	5,210.79	40.55	1.59	49.52	37.42	-9,470.15	8,035.94	8,000.89	35.05	229.250		
5,800.00	5,399.49	5,290.66	5,289.71	41.36	1.61	49.71	38.47	-9,469.62	8,008.00	7,972.20	35.80	223.673		
5,900.00	5,490.99	5,364.46	5,363.51	42.18	1.63	49.88	39.28	-9,469.29	7,980.35	7,943.79	36.56	218.307		
6,000.00	5,582.48	5,437.74	5,436.78	43.00	1.65	50.06	40.07	-9,469.13	7,953.01	7,915.70	37.31	213.147		
6,100.00	5,673.98	5,522.29	5,521.33	43.81	1.67	50.26	40.97	-9,469.13	7,925.99	7,887.92	38.07	208.205		
6,200.00	5,765.47	5,672.39	5,671.43	44.63	1.71	50.62	42.35	-9,468.58	7,898.74	7,859.94	38.80	203.556		
6,300.00	5,856.97	5,786.66	5,785.69	45.45	1.73	50.90	43.16	-9,467.55	7,871.09	7,831.53	39.55	198.993		
6,400.00	5,948.46	5,868.21	5,867.23	46.26	1.75	51.10	43.79	-9,466.75	7,843.50	7,803.18	40.32	194.526		
6,500.00	6,039.96	5,964.33	5,963.34	47.08	1.78	51.34	44.66	-9,465.87	7,816.12	7,775.03	41.09	190.240		
6,600.00	6,131.45	6,058.22	6,057.23	47.90	1.80	51.57	45.31	-9,464.92	7,788.75	7,746.89	41.85	186.094		
6,700.00	6,222.95	6,137.18	6,136.19	48.71	1.82	51.76	45.66	-9,464.22	7,761.56	7,718.93	42.63	182.066		
6,800.00	6,314.44	6,210.76	6,209.76	49.53	1.84	51.95	46.10	-9,463.71	7,734.70	7,691.29	43.41	178.167		
6,900.00	6,405.93	6,298.09	6,297.09	50.35	1.86	52.17	46.68	-9,463.21	7,708.09	7,663.90	44.19	174.419		
7,000.00	6,497.01	6,375.29	6,374.29	51.18	1.88	47.56	47.07	-9,462.88	7,680.50	7,635.51	44.99	170.730		
7,100.00	6,582.62	6,458.90	6,457.89	52.20	1.90	40.07	47.33	-9,462.67	7,640.19	7,594.36	45.83	166.705		
7,200.00	6,659.25	6,531.48	6,530.48	53.42	1.92	36.93	47.60	-9,462.46	7,585.13	7,538.42	46.71	162.388		
7,300.00	6,724.59	6,586.94	6,585.93	54.84	1.94	36.75	47.72	-9,462.39	7,517.07	7,469.48	47.59	157.957		
7,400.00	6,776.64	6,685.43	6,684.42	56.40	1.96	40.02	47.82	-9,462.09	7,437.91	7,389.52	48.40	153.679		
7,500.00	6,813.82	6,727.41	6,726.40	58.08	1.96	47.84	47.87	-9,461.77	7,349.95	7,300.79	49.16	149.506		
7,600.00	6,835.01	6,746.05	6,745.04	59.82	1.97	65.45	47.86	-9,461.63	7,256.10	7,206.27	49.83	145.621		
7,700.00	6,840.00	6,749.96	6,748.95	61.57	1.97	91.72	47.86	-9,461.61	7,159.18	7,108.80	50.38	142.113		
7,800.00	6,840.00	6,749.33	6,748.32	63.35	1.97	91.70	47.86	-9,461.61	7,061.83	7,010.93	50.90	138.745		
7,900.00	6,840.00	6,748.70	6,747.69	65.20	1.97	91.68	47.86	-9,461.62	6,964.55	6,913.11	51.44	135.393		
8,000.00	6,840.00	6,748.06	6,747.05	67.10	1.97	91.66	47.86	-9,461.62	6,867.36	6,815.36	52.00	132.060		
8,100.00	6,840.00	6,747.42	6,746.41	69.05	1.97	91.64	47.86	-9,461.62	6,770.25	6,717.66	52.59	128.747		
8,200.00	6,840.00	6,746.78	6,745.77	71.06	1.97	91.61	47.86	-9,461.63	6,673.22	6,620.03	53.19	125.454		
8,300.00	6,840.00	6,746.14	6,745.13	73.11	1.97	91.59	47.86	-9,461.63	6,576.28	6,522.46	53.82	122.184		
8,400.00	6,840.00	6,745.49	6,744.48	75.21	1.97	91.57	47.87	-9,461.64	6,479.43	6,424.95	54.48	118.937		
8,500.00	6,840.00	6,744.84	6,743.83	77.34	1.97	91.54	47.87	-9,461.64	6,382.68	6,327.52	55.16	115.714		
8,600.00	6,840.00	6,744.18	6,743.17	79.51	1.97	91.52	47.87	-9,461.65	6,286.04	6,230.17	55.87	112.518		
8,700.00	6,840.00	6,743.53	6,742.52	81.72	1.97	91.50	47.87	-9,461.65	6,189.49	6,132.89	56.60	109.350		
8,800.00	6,840.00	6,742.87	6,741.86	83.95	1.97	91.47	47.87	-9,461.66	6,093.07	6,035.70	57.37	106.210		
8,900.00	6,840.00	6,742.21	6,741.20	86.22	1.97	91.45	47.87	-9,461.66	5,996.75	5,938.59	58.16	103.100		
9,000.00	6,840.00	6,741.54	6,740.53	88.51	1.97	91.43	47.87	-9,461.67	5,900.56	5,841.57	58.99	100.021		
9,100.00	6,840.00	6,740.88	6,739.87	90.83	1.96	91.40	47.87	-9,461.67	5,804.50	5,744.65	59.86	96.976		
9,200.00	6,840.00	6,740.20	6,739.19	93.16	1.96	91.38	47.87	-9,461.68	5,708.58	5,647.82	60.75	93.964		
9,300.00	6,840.00	6,739.53	6,738.52	95.52	1.96	91.36	47.87	-9,461.68	5,612.79	5,551.10	61.69	90.988		
9,400.00	6,840.00	6,738.85	6,737.85	97.90	1.96	91.33	47.87	-9,461.68	5,517.16	5,454.50	62.66	88.048		
9,500.00	6,840.00	6,738.18	6,737.17	100.30	1.96	91.31	47.87	-9,461.69	5,421.68	5,358.01	63.67	85.146		
9,600.00	6,840.00	6,737.49	6,736.48	102.72	1.96	91.29	47.87	-9,461.69	5,326.37	5,261.64	64.73	82.284		
9,700.00	6,840.00	6,736.81	6,735.80	105.15	1.96	91.26	47.87	-9,461.70	5,231.23	5,165.40	65.83	79.462		
9,800.00	6,840.00	6,736.12	6,735.11	107.59	1.96	91.24	47.87	-9,461.70	5,136.28	5,069.30	66.98	76.682		
9,900.00	6,840.00	6,735.43	6,734.42	110.05	1.96	91.21	47.87	-9,461.71	5,041.53	4,973.35	68.18	73.944		
10,000.00	6,840.00	6,734.73	6,733.72	112.52	1.96	91.19	47.87	-9,461.71	4,946.98	4,877.54	69.43	71.251		
10,100.00	6,840.00	6,734.04	6,733.03	115.00	1.96	91.16	47.87	-9,461.72	4,852.64	4,781.91	70.74	68.602		
10,200.00	6,840.00	6,733.34	6,732.33	117.50	1.96	91.14	47.87	-9,461.72	4,758.54	4,686.44	72.10	66.000		
10,300.00	6,840.00	6,732.63	6,731.62	120.00	1.96	91.11	47.87	-9,461.73	4,664.69	4,591.17	73.52	63.446		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-12 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,840.00	6,731.92	6,730.91	122.51	1.96	91.09	47.87	-9,461.73	4,571.09	4,496.08	75.01	60.939		
10,500.00	6,840.00	6,731.21	6,730.20	125.04	1.96	91.06	47.87	-9,461.74	4,477.78	4,401.21	76.57	58.483		
10,600.00	6,840.00	6,730.50	6,729.49	127.57	1.96	91.04	47.87	-9,461.75	4,384.75	4,306.56	78.19	56.076		
10,700.00	6,840.00	6,729.78	6,728.77	130.11	1.96	91.01	47.87	-9,461.75	4,292.05	4,212.15	79.89	53.721		
10,800.00	6,840.00	6,729.06	6,728.05	132.66	1.96	90.99	47.87	-9,461.76	4,199.67	4,117.99	81.68	51.419		
10,900.00	6,840.00	6,728.34	6,727.33	135.21	1.96	90.96	47.87	-9,461.76	4,107.65	4,024.11	83.54	49.169		
11,000.00	6,840.00	6,727.61	6,726.60	137.77	1.96	90.94	47.87	-9,461.77	4,016.02	3,930.52	85.49	46.974		
11,100.00	6,840.00	6,726.88	6,725.87	140.34	1.96	90.91	47.86	-9,461.77	3,924.79	3,837.25	87.54	44.833		
11,200.00	6,840.00	6,726.15	6,725.14	142.91	1.96	90.89	47.86	-9,461.78	3,834.00	3,744.31	89.69	42.748		
11,300.00	6,840.00	6,725.41	6,724.41	145.49	1.96	90.86	47.86	-9,461.78	3,743.68	3,651.74	91.94	40.719		
11,400.00	6,840.00	6,724.67	6,723.67	148.07	1.96	90.83	47.86	-9,461.79	3,653.86	3,559.56	94.30	38.746		
11,500.00	6,840.00	6,723.93	6,722.92	150.66	1.96	90.81	47.86	-9,461.79	3,564.58	3,467.80	96.78	36.831		
11,600.00	6,840.00	6,723.18	6,722.18	153.25	1.96	90.78	47.86	-9,461.80	3,475.89	3,376.51	99.38	34.974		
11,700.00	6,840.00	6,722.43	6,721.43	155.85	1.96	90.76	47.86	-9,461.81	3,387.83	3,285.71	102.12	33.176		
11,800.00	6,840.00	6,721.68	6,720.67	158.45	1.96	90.73	47.86	-9,461.81	3,300.45	3,195.46	104.99	31.436		
11,900.00	6,840.00	6,720.92	6,719.91	161.06	1.96	90.70	47.86	-9,461.82	3,213.80	3,105.80	108.01	29.756		
12,000.00	6,840.00	6,720.16	6,719.15	163.67	1.96	90.67	47.86	-9,461.82	3,127.96	3,016.78	111.18	28.135		
12,100.00	6,840.00	6,719.40	6,718.39	166.28	1.96	90.65	47.86	-9,461.83	3,042.97	2,928.46	114.51	26.575		
12,200.00	6,840.00	6,718.63	6,717.62	168.90	1.96	90.62	47.86	-9,461.83	2,958.92	2,840.92	118.01	25.074		
12,300.00	6,840.00	6,717.86	6,716.85	171.52	1.96	90.59	47.86	-9,461.84	2,875.90	2,754.21	121.69	23.634		
12,400.00	6,840.00	6,720.28	6,719.28	174.15	1.96	90.68	47.87	-9,461.80	2,793.98	2,668.43	125.55	22.255		
12,500.00	6,840.00	6,719.13	6,718.12	176.77	1.96	90.64	47.87	-9,461.81	2,713.28	2,583.68	129.60	20.935		
12,600.00	6,840.00	6,718.00	6,716.99	179.40	1.96	90.60	47.87	-9,461.82	2,633.90	2,500.05	133.86	19.677		
12,700.00	6,840.00	6,716.88	6,715.87	182.04	1.96	90.56	47.87	-9,461.83	2,555.98	2,417.66	138.31	18.480		
12,800.00	6,840.00	6,715.79	6,714.78	184.67	1.96	90.52	47.86	-9,461.84	2,479.63	2,336.65	142.98	17.343		
12,900.00	6,840.00	6,714.72	6,713.71	187.31	1.96	90.48	47.86	-9,461.85	2,405.02	2,257.17	147.85	16.266		
13,000.00	6,840.00	6,713.67	6,712.66	189.95	1.96	90.45	47.86	-9,461.86	2,332.31	2,179.38	152.93	15.251		
13,100.00	6,840.00	6,712.64	6,711.63	192.59	1.96	90.41	47.86	-9,461.87	2,261.69	2,103.48	158.21	14.295		
13,200.00	6,840.00	6,711.62	6,710.61	195.24	1.96	90.37	47.86	-9,461.88	2,193.35	2,029.67	163.69	13.400		
13,300.00	6,840.00	6,710.63	6,709.62	197.88	1.96	90.34	47.86	-9,461.89	2,127.52	1,958.19	169.33	12.564		
13,400.00	6,840.00	6,709.65	6,708.64	200.53	1.96	90.30	47.85	-9,461.90	2,064.44	1,889.31	175.13	11.788		
13,500.00	6,840.00	6,708.69	6,707.68	203.18	1.96	90.27	47.85	-9,461.91	2,004.36	1,823.32	181.04	11.071		
13,600.00	6,840.00	6,707.74	6,706.73	205.83	1.96	90.24	47.85	-9,461.92	1,947.56	1,760.54	187.03	10.413		
13,700.00	6,840.00	6,706.81	6,705.81	208.49	1.96	90.20	47.85	-9,461.92	1,894.35	1,701.32	193.03	9.814		
13,800.00	6,840.00	6,705.90	6,704.89	211.14	1.96	90.17	47.85	-9,461.93	1,845.02	1,646.03	198.99	9.272		
13,900.00	6,840.00	6,705.00	6,704.00	213.80	1.96	90.14	47.85	-9,461.94	1,799.90	1,595.08	204.82	8.788		
14,000.00	6,840.00	6,704.17	6,703.16	216.46	1.96	90.11	47.85	-9,461.95	1,759.31	1,548.88	210.44	8.360		
14,100.00	6,840.00	6,703.33	6,702.32	219.12	1.96	90.08	47.84	-9,461.95	1,723.58	1,507.84	215.74	7.989		
14,200.00	6,840.00	6,702.48	6,701.47	221.78	1.96	90.05	47.84	-9,461.96	1,693.00	1,472.39	220.61	7.674		
14,300.00	6,840.00	6,701.63	6,700.62	224.45	1.96	90.02	47.84	-9,461.97	1,667.87	1,442.91	224.96	7.414		
14,400.00	6,840.00	6,700.78	6,699.77	227.11	1.96	89.99	47.84	-9,461.97	1,648.44	1,419.75	228.68	7.208		
14,500.00	6,840.00	6,699.92	6,698.92	229.78	1.96	89.96	47.84	-9,461.98	1,634.89	1,403.21	231.68	7.057		
14,600.00	6,840.00	6,699.13	6,698.12	232.45	1.96	89.93	47.84	-9,461.99	1,627.39	1,393.51	233.89	6.958		
14,672.34	6,840.00	6,698.56	6,697.55	234.38	1.96	89.91	47.84	-9,461.99	1,625.78	1,390.82	234.96	6.919 CC		
14,700.00	6,840.00	6,698.34	6,697.33	235.12	1.96	89.91	47.84	-9,461.99	1,626.02	1,390.77	235.25	6.912 ES, SF		
14,800.00	6,840.00	6,697.56	6,696.56	237.79	1.96	89.88	47.84	-9,462.00	1,630.79	1,395.03	235.76	6.917		
14,900.00	6,840.00	6,696.80	6,695.79	240.46	1.96	89.85	47.84	-9,462.01	1,641.65	1,406.23	235.41	6.973		
15,000.00	6,840.00	6,696.05	6,695.04	243.13	1.96	89.83	47.83	-9,462.01	1,658.47	1,424.22	234.26	7.080		
15,100.00	6,840.00	6,695.31	6,694.30	245.80	1.96	89.80	47.83	-9,462.02	1,681.09	1,448.74	232.35	7.235		
15,200.00	6,840.00	6,694.58	6,693.58	248.48	1.96	89.77	47.83	-9,462.02	1,709.26	1,479.50	229.76	7.439		
15,300.00	6,840.00	6,693.87	6,692.86	251.15	1.96	89.75	47.83	-9,462.03	1,742.73	1,516.13	226.60	7.691		
15,400.00	6,840.00	6,693.16	6,692.15	253.83	1.96	89.72	47.83	-9,462.03	1,781.19	1,558.24	222.95	7.989		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-12 GYRO - OWB - GYRO													Offset Site Error: 0.00 usft	
Survey Program: 100-GYD_CT													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	6,840.00	6,692.47	6,691.46	256.51	1.96	89.70	47.83	-9,462.04	1,824.32	1,605.40	218.92	8.333		
15,600.00	6,840.00	6,691.78	6,690.77	259.19	1.96	89.67	47.83	-9,462.04	1,871.81	1,657.22	214.60	8.722		
15,700.00	6,840.00	6,691.11	6,690.10	261.87	1.96	89.65	47.83	-9,462.05	1,923.33	1,713.26	210.07	9.156		
15,800.00	6,840.00	6,690.44	6,689.43	264.55	1.96	89.63	47.83	-9,462.05	1,978.57	1,773.16	205.41	9.632		
15,900.00	6,840.00	6,689.78	6,688.78	267.23	1.96	89.60	47.83	-9,462.06	2,037.21	1,836.53	200.69	10.151		
16,000.00	6,840.00	6,689.14	6,688.13	269.91	1.96	89.58	47.82	-9,462.06	2,098.99	1,903.03	195.96	10.711		
16,100.00	6,840.00	6,688.50	6,687.49	272.59	1.96	89.56	47.82	-9,462.07	2,163.63	1,972.36	191.26	11.312		
16,200.00	6,840.00	6,687.87	6,686.86	275.28	1.96	89.54	47.82	-9,462.07	2,230.87	2,044.23	186.64	11.953		
16,300.00	6,840.00	6,687.25	6,686.25	277.96	1.96	89.52	47.82	-9,462.08	2,300.50	2,118.39	182.11	12.632		
16,400.00	6,840.00	6,686.64	6,685.63	280.64	1.96	89.49	47.82	-9,462.08	2,372.30	2,194.60	177.71	13.350		
16,500.00	6,840.00	6,686.04	6,685.03	283.33	1.96	89.47	47.82	-9,462.09	2,446.09	2,272.65	173.43	14.104		
16,600.00	6,840.00	6,685.45	6,684.44	286.02	1.96	89.45	47.82	-9,462.09	2,521.68	2,352.37	169.30	14.894		
16,700.00	6,840.00	6,684.86	6,683.85	288.70	1.96	89.43	47.82	-9,462.09	2,598.92	2,433.59	165.32	15.720		
16,800.00	6,840.00	6,684.28	6,683.27	291.39	1.96	89.41	47.82	-9,462.10	2,677.66	2,516.17	161.50	16.580		
16,900.00	6,840.00	6,683.71	6,682.70	294.08	1.96	89.39	47.82	-9,462.10	2,757.79	2,599.96	157.82	17.474		
17,000.00	6,840.00	6,683.15	6,682.14	296.77	1.96	89.37	47.82	-9,462.11	2,839.17	2,684.87	154.30	18.400		
17,100.00	6,840.00	6,682.60	6,681.59	299.46	1.96	89.35	47.82	-9,462.11	2,921.71	2,770.79	150.92	19.359		
17,200.00	6,840.00	6,682.05	6,681.04	302.14	1.96	89.33	47.81	-9,462.11	3,005.31	2,857.62	147.69	20.348		
17,300.00	6,840.00	6,681.51	6,680.50	304.84	1.96	89.31	47.81	-9,462.12	3,089.89	2,945.28	144.61	21.368		
17,400.00	6,840.00	6,680.97	6,679.97	307.53	1.96	89.29	47.81	-9,462.12	3,175.36	3,033.71	141.65	22.417		
17,500.00	6,840.00	6,680.45	6,679.44	310.22	1.96	89.28	47.81	-9,462.12	3,261.66	3,122.83	138.83	23.494		
17,600.00	6,840.00	6,679.93	6,678.92	312.91	1.96	89.26	47.81	-9,462.13	3,348.72	3,212.59	136.13	24.600		
17,700.00	6,840.00	6,679.41	6,678.41	315.60	1.96	89.24	47.81	-9,462.13	3,436.49	3,302.94	133.55	25.732		
17,800.00	6,840.00	6,678.91	6,677.90	318.29	1.96	89.22	47.81	-9,462.13	3,524.90	3,393.82	131.08	26.890		
17,900.00	6,840.00	6,678.41	6,677.40	320.99	1.95	89.20	47.81	-9,462.14	3,613.92	3,485.20	128.73	28.075		
18,000.00	6,840.00	6,677.91	6,676.91	323.68	1.95	89.19	47.81	-9,462.14	3,703.51	3,577.03	126.47	29.283		
18,100.00	6,840.00	6,677.43	6,676.42	326.38	1.95	89.17	47.81	-9,462.14	3,793.61	3,669.29	124.32	30.516		
18,200.00	6,840.00	6,676.94	6,675.94	329.07	1.95	89.15	47.81	-9,462.15	3,884.19	3,761.94	122.25	31.772		
18,300.00	6,840.00	6,676.47	6,675.46	331.77	1.95	89.14	47.81	-9,462.15	3,975.23	3,854.95	120.28	33.051		
18,400.00	6,840.00	6,676.00	6,674.99	334.46	1.95	89.12	47.81	-9,462.15	4,066.69	3,948.30	118.39	34.351		
18,500.00	6,840.00	6,675.53	6,674.53	337.16	1.95	89.10	47.81	-9,462.15	4,158.54	4,041.96	116.58	35.672		
18,600.00	6,840.00	6,675.08	6,674.07	339.85	1.95	89.09	47.81	-9,462.16	4,250.76	4,135.92	114.84	37.014		
18,700.00	6,840.00	6,674.62	6,673.62	342.55	1.95	89.07	47.80	-9,462.16	4,343.32	4,230.15	113.18	38.376		
18,800.00	6,840.00	6,674.18	6,673.17	345.25	1.95	89.05	47.80	-9,462.16	4,436.21	4,324.63	111.58	39.757		
18,900.00	6,840.00	6,673.73	6,672.73	347.94	1.95	89.04	47.80	-9,462.16	4,529.40	4,419.35	110.05	41.156		
19,000.00	6,840.00	6,673.30	6,672.29	350.64	1.95	89.02	47.80	-9,462.17	4,622.87	4,514.29	108.59	42.573		
19,100.00	6,840.00	6,672.86	6,671.86	353.34	1.95	89.01	47.80	-9,462.17	4,716.61	4,609.44	107.18	44.008		
19,200.00	6,840.00	6,672.44	6,671.43	356.04	1.95	88.99	47.80	-9,462.17	4,810.61	4,704.78	105.82	45.459		
19,300.00	6,840.00	6,672.02	6,671.01	358.74	1.95	88.98	47.80	-9,462.17	4,904.84	4,800.32	104.52	46.926		
19,400.00	6,840.00	6,671.60	6,670.59	361.44	1.95	88.96	47.80	-9,462.18	4,999.29	4,896.02	103.27	48.408		
19,500.00	6,840.00	6,671.19	6,670.18	364.13	1.95	88.95	47.80	-9,462.18	5,093.96	4,991.89	102.07	49.905		
19,600.00	6,840.00	6,670.78	6,669.77	366.83	1.95	88.93	47.80	-9,462.18	5,188.83	5,087.91	100.92	51.417		
19,700.00	6,840.00	6,670.38	6,669.37	369.53	1.95	88.92	47.80	-9,462.18	5,283.88	5,184.08	99.81	52.942		
19,800.00	6,840.00	6,669.98	6,668.97	372.23	1.95	88.91	47.80	-9,462.19	5,379.12	5,280.38	98.73	54.480		
19,900.00	6,840.00	6,669.58	6,668.57	374.94	1.95	88.89	47.80	-9,462.19	5,474.52	5,376.82	97.70	56.032		
20,000.00	6,840.00	6,669.19	6,668.18	377.64	1.95	88.88	47.80	-9,462.19	5,570.09	5,473.38	96.71	57.595		
20,100.00	6,840.00	6,668.81	6,667.80	380.34	1.95	88.87	47.80	-9,462.19	5,665.81	5,570.05	95.76	59.170		
20,200.00	6,840.00	6,668.43	6,667.42	383.04	1.95	88.85	47.80	-9,462.20	5,761.67	5,666.84	94.83	60.756		
20,300.00	6,840.00	6,668.05	6,667.04	385.74	1.95	88.84	47.80	-9,462.20	5,857.68	5,763.73	93.94	62.353		
20,400.00	6,840.00	6,667.68	6,666.67	388.44	1.95	88.83	47.80	-9,462.20	5,953.81	5,860.72	93.09	63.960		
20,500.00	6,840.00	6,667.31	6,666.30	391.14	1.95	88.81	47.80	-9,462.20	6,050.07	5,957.81	92.26	65.576		
20,552.28	6,840.00	6,667.12	6,666.11	392.56	1.95	88.81	47.80	-9,462.20	6,100.44	6,008.60	91.84	66.425		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-14 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-99.74	-1,413.59	-8,234.28	8,355.79					
100.00	100.00	0.00	0.00	0.13	0.00	-99.74	-1,413.59	-8,234.28	8,354.80	8,354.67	0.13	N/A		
200.00	200.00	130.22	130.22	0.49	0.15	-99.74	-1,413.22	-8,233.57	8,354.21	8,353.57	0.64	N/A		
300.00	300.00	200.00	200.00	0.85	0.24	-99.74	-1,413.04	-8,233.26	8,353.70	8,352.61	1.09	7,666.184		
400.00	399.98	284.24	284.23	1.20	0.31	28.34	-1,412.91	-8,233.11	8,351.95	8,350.44	1.51	5,540.880		
500.00	499.84	362.34	362.33	1.55	0.33	28.39	-1,412.88	-8,233.03	8,347.24	8,345.37	1.87	4,465.756		
600.00	599.45	452.20	452.20	1.91	0.36	28.49	-1,413.11	-8,233.14	8,339.73	8,337.48	2.26	3,694.537		
700.00	698.70	552.13	552.13	2.29	0.39	28.63	-1,413.29	-8,233.26	8,329.16	8,326.50	2.66	3,130.258		
800.00	797.47	644.68	644.67	2.70	0.42	28.81	-1,413.18	-8,233.47	8,315.60	8,312.53	3.07	2,711.263		
900.00	895.62	754.52	754.52	3.14	0.45	29.05	-1,413.06	-8,233.75	8,299.06	8,295.58	3.48	2,384.249		
1,000.00	993.06	861.75	861.74	3.62	0.47	29.33	-1,413.10	-8,233.72	8,279.28	8,275.38	3.90	2,121.840		
1,100.00	1,089.64	949.85	949.84	4.14	0.50	29.63	-1,413.16	-8,233.73	8,256.59	8,252.25	4.34	1,902.860		
1,200.00	1,185.27	1,034.49	1,034.48	4.70	0.52	29.99	-1,413.17	-8,233.85	8,231.09	8,226.30	4.79	1,717.318		
1,300.00	1,279.82	1,120.54	1,120.54	5.31	0.56	30.38	-1,413.20	-8,234.10	8,202.84	8,197.57	5.28	1,554.817		
1,400.00	1,373.17	1,218.84	1,218.83	5.98	0.60	30.85	-1,413.25	-8,234.38	8,171.76	8,165.98	5.78	1,413.861		
1,500.00	1,465.22	1,317.53	1,317.52	6.70	0.63	31.33	-1,413.53	-8,234.55	8,137.82	8,131.52	6.30	1,291.647		
1,600.00	1,556.72	1,410.47	1,410.47	7.45	0.66	31.48	-1,413.77	-8,234.68	8,102.75	8,095.92	6.83	1,186.805		
1,700.00	1,648.21	1,480.45	1,480.44	8.21	0.69	31.59	-1,413.90	-8,234.88	8,067.86	8,060.50	7.36	1,096.477		
1,800.00	1,739.71	1,579.90	1,579.89	8.99	0.73	31.75	-1,414.02	-8,235.29	8,033.12	8,025.21	7.91	1,015.950		
1,900.00	1,831.20	1,664.40	1,664.39	9.77	0.76	31.88	-1,413.99	-8,235.59	7,998.36	7,989.90	8.46	945.440		
2,000.00	1,922.69	1,745.08	1,745.07	10.56	0.78	32.02	-1,413.89	-8,236.01	7,963.78	7,954.77	9.02	883.023		
2,100.00	2,014.19	1,856.96	1,856.95	11.35	0.82	32.20	-1,413.67	-8,236.65	7,929.32	7,919.73	9.58	827.464		
2,200.00	2,105.68	1,964.17	1,964.15	12.14	0.84	32.39	-1,412.82	-8,236.90	7,894.49	7,884.34	10.15	778.044		
2,300.00	2,197.18	2,073.78	2,073.75	12.94	0.87	32.58	-1,411.59	-8,237.12	7,859.67	7,848.95	10.72	733.488		
2,400.00	2,288.67	2,158.73	2,158.70	13.74	0.89	32.74	-1,410.32	-8,237.17	7,824.73	7,813.44	11.29	693.278		
2,500.00	2,380.17	2,247.29	2,247.25	14.54	0.91	32.90	-1,408.94	-8,237.38	7,790.00	7,778.14	11.86	656.757		
2,600.00	2,471.66	2,352.27	2,352.21	15.35	0.94	33.09	-1,407.22	-8,237.51	7,755.21	7,742.77	12.44	623.412		
2,700.00	2,563.16	2,517.62	2,517.54	16.15	0.98	33.40	-1,404.50	-8,236.93	7,720.14	7,707.13	13.02	593.172		
2,800.00	2,654.65	2,572.23	2,572.14	16.96	0.99	33.51	-1,403.75	-8,236.61	7,684.82	7,671.23	13.60	565.127		
2,900.00	2,746.15	2,665.81	2,665.71	17.76	1.02	33.68	-1,402.66	-8,236.17	7,649.76	7,635.57	14.18	539.415		
3,000.00	2,837.64	2,766.94	2,766.84	18.57	1.04	33.87	-1,401.87	-8,235.48	7,614.59	7,599.82	14.77	515.682		
3,100.00	2,929.14	2,842.84	2,842.73	19.38	1.05	34.01	-1,401.40	-8,234.95	7,579.49	7,564.13	15.36	493.555		
3,200.00	3,020.63	2,928.79	2,928.68	20.19	1.07	34.17	-1,400.78	-8,234.62	7,544.73	7,528.78	15.95	473.039		
3,300.00	3,112.13	3,052.01	3,051.90	21.00	1.10	34.40	-1,399.97	-8,233.57	7,509.56	7,493.02	16.54	454.065		
3,400.00	3,203.62	3,124.99	3,124.87	21.81	1.11	34.54	-1,399.48	-8,232.99	7,474.56	7,457.42	17.14	436.120		
3,500.00	3,295.12	3,193.78	3,193.66	22.63	1.11	34.67	-1,399.45	-8,232.60	7,439.88	7,422.14	17.74	419.405		
3,600.00	3,386.61	3,256.88	3,256.76	23.44	1.12	34.79	-1,399.44	-8,232.41	7,405.57	7,387.22	18.35	403.599		
3,700.00	3,478.10	3,327.40	3,327.27	24.25	1.13	34.92	-1,400.58	-8,232.44	7,371.67	7,352.70	18.96	388.768		
3,800.00	3,569.60	3,421.43	3,421.29	25.06	1.14	35.09	-1,401.57	-8,232.59	7,337.94	7,318.36	19.57	374.879		
3,900.00	3,661.09	3,531.16	3,531.03	25.88	1.15	35.29	-1,402.73	-8,232.52	7,304.04	7,283.86	20.18	361.865		
4,000.00	3,752.59	3,612.19	3,612.04	26.69	1.16	35.44	-1,403.80	-8,232.44	7,270.21	7,249.41	20.80	349.450		
4,100.00	3,844.08	3,679.92	3,679.77	27.50	1.17	35.57	-1,404.78	-8,232.54	7,236.68	7,215.25	21.43	337.657		
4,200.00	3,935.58	3,753.06	3,752.90	28.32	1.19	35.70	-1,405.83	-8,232.87	7,203.48	7,181.42	22.06	326.516		
4,300.00	4,027.07	3,833.31	3,833.14	29.13	1.20	35.85	-1,406.95	-8,233.42	7,170.56	7,147.86	22.69	315.984		
4,400.00	4,118.57	3,916.45	3,916.27	29.95	1.22	36.01	-1,408.04	-8,234.07	7,137.78	7,114.46	23.33	305.993		
4,500.00	4,210.06	3,984.12	3,983.93	30.76	1.23	36.14	-1,408.94	-8,234.78	7,105.31	7,081.34	23.97	296.438		
4,600.00	4,301.56	4,045.68	4,045.47	31.58	1.24	36.26	-1,409.81	-8,235.65	7,073.25	7,048.63	24.62	287.331		
4,700.00	4,393.05	4,100.00	4,099.78	32.39	1.25	36.36	-1,410.61	-8,236.66	7,041.68	7,016.41	25.27	278.644		
4,800.00	4,484.55	4,151.19	4,150.95	33.21	1.26	36.46	-1,411.39	-8,237.89	7,010.71	6,984.78	25.93	270.365		
4,900.00	4,576.04	4,200.00	4,199.73	34.02	1.28	36.56	-1,412.19	-8,239.41	6,980.40	6,953.81	26.59	262.481		
5,000.00	4,667.54	4,268.72	4,268.39	34.84	1.29	36.69	-1,413.18	-8,241.88	6,950.62	6,923.37	27.26	255.020		
5,100.00	4,759.03	4,370.78	4,370.38	35.65	1.32	36.90	-1,414.13	-8,245.77	6,921.09	6,893.18	27.91	247.973		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-14 GYRO - OWB - GYRO													Offset Site Error: 0.00 usft	
Survey Program: 100-GYD_CT													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,850.53	4,499.22	4,498.75	36.47	1.35	37.17	-1,415.09	-8,250.14	6,891.24	6,862.68	28.56	241.280		
5,300.00	4,942.02	4,564.30	4,563.78	37.28	1.36	37.30	-1,415.78	-8,252.30	6,861.41	6,832.17	29.24	234.696		
5,400.00	5,033.51	4,694.10	4,693.50	38.10	1.39	37.58	-1,416.59	-8,256.80	6,831.83	6,801.94	29.89	228.550		
5,500.00	5,125.01	5,500.00	4,880.58	38.92	1.58	37.99	-1,415.65	-8,260.91	6,800.90	6,770.22	30.68	221.681		
5,600.00	5,216.50	5,036.76	5,036.10	39.73	1.47	38.35	-1,414.73	-8,262.48	6,768.99	6,737.81	31.19	217.056		
5,700.00	5,308.00	5,138.58	5,137.92	40.55	1.50	38.58	-1,414.44	-8,263.11	6,736.94	6,705.08	31.86	211.451		
5,800.00	5,399.49	5,244.86	5,244.20	41.36	1.52	38.82	-1,413.97	-8,263.64	6,704.87	6,672.33	32.53	206.085		
5,900.00	5,490.99	5,348.91	5,348.24	42.18	1.54	39.07	-1,413.36	-8,263.84	6,672.59	6,639.39	33.21	200.930		
6,000.00	5,582.48	5,433.59	5,432.92	43.00	1.55	39.27	-1,413.27	-8,264.00	6,640.41	6,606.52	33.90	195.897		
6,100.00	5,673.98	5,518.74	5,518.07	43.81	1.58	39.46	-1,413.31	-8,264.28	6,608.46	6,573.87	34.60	191.023		
6,200.00	5,765.47	5,620.99	5,620.32	44.63	1.60	39.71	-1,413.30	-8,264.51	6,576.49	6,541.20	35.29	186.370		
6,300.00	5,856.97	5,698.61	5,697.94	45.45	1.62	39.89	-1,413.28	-8,264.73	6,544.68	6,508.68	36.00	181.815		
6,400.00	5,948.46	5,781.52	5,780.85	46.26	1.64	40.09	-1,413.11	-8,265.12	6,513.12	6,476.41	36.71	177.444		
6,500.00	6,039.96	5,866.37	5,865.70	47.08	1.66	40.30	-1,412.86	-8,265.62	6,481.77	6,444.35	37.42	173.236		
6,600.00	6,131.45	5,947.84	5,947.17	47.90	1.68	40.50	-1,413.07	-8,266.19	6,450.62	6,412.48	38.13	169.162		
6,700.00	6,222.95	6,029.17	6,028.49	48.71	1.70	40.69	-1,413.37	-8,266.91	6,419.73	6,380.88	38.85	165.223		
6,800.00	6,314.44	6,129.84	6,129.15	49.53	1.72	40.94	-1,413.21	-8,267.89	6,389.03	6,349.46	39.57	161.455		
6,900.00	6,405.93	6,274.50	6,273.81	50.35	1.75	41.31	-1,413.10	-8,268.40	6,357.82	6,317.57	40.25	157.950		
7,000.00	6,497.01	6,362.48	6,361.79	51.18	1.75	36.51	-1,413.03	-8,268.35	6,325.16	6,284.20	40.96	154.408		
7,100.00	6,582.62	6,440.55	6,439.87	52.20	1.76	28.13	-1,413.12	-8,268.45	6,279.79	6,238.09	41.70	150.596		
7,200.00	6,659.25	6,513.84	6,513.16	53.42	1.77	23.53	-1,413.14	-8,268.58	6,219.79	6,177.38	42.42	146.641		
7,300.00	6,724.59	6,574.14	6,573.45	54.84	1.79	21.02	-1,413.01	-8,268.73	6,146.96	6,103.89	43.07	142.726		
7,400.00	6,776.64	6,635.95	6,635.26	56.40	1.79	20.09	-1,412.81	-8,268.89	6,063.43	6,019.83	43.60	139.058		
7,500.00	6,813.82	6,691.09	6,690.40	58.08	1.79	20.99	-1,412.85	-8,268.88	5,971.59	5,927.60	44.00	135.723		
7,600.00	6,835.01	6,712.13	6,711.44	59.82	1.79	26.84	-1,412.93	-8,268.84	5,874.33	5,830.06	44.27	132.698		
7,700.00	6,840.00	6,716.06	6,715.37	61.57	1.79	92.81	-1,412.94	-8,268.84	5,774.64	5,730.24	44.39	130.083		
7,800.00	6,840.00	6,715.95	6,715.27	63.35	1.79	92.77	-1,412.94	-8,268.84	5,674.68	5,630.21	44.47	127.606		
7,900.00	6,840.00	6,715.84	6,715.16	65.20	1.79	92.73	-1,412.94	-8,268.84	5,574.73	5,530.17	44.55	125.129		
8,000.00	6,840.00	6,715.73	6,715.05	67.10	1.79	92.70	-1,412.94	-8,268.84	5,474.77	5,430.14	44.64	122.654		
8,100.00	6,840.00	6,715.62	6,714.93	69.05	1.79	92.66	-1,412.94	-8,268.84	5,374.82	5,330.10	44.72	120.179		
8,200.00	6,840.00	6,715.51	6,714.82	71.06	1.79	92.62	-1,412.94	-8,268.84	5,274.88	5,230.06	44.81	117.705		
8,300.00	6,840.00	6,715.40	6,714.71	73.11	1.79	92.58	-1,412.94	-8,268.84	5,174.93	5,130.02	44.91	115.231		
8,400.00	6,840.00	6,715.28	6,714.60	75.21	1.79	92.55	-1,412.94	-8,268.84	5,074.98	5,029.98	45.01	112.759		
8,500.00	6,840.00	6,715.17	6,714.48	77.34	1.79	92.51	-1,412.94	-8,268.84	4,975.04	4,929.93	45.11	110.288		
8,600.00	6,840.00	6,715.06	6,714.37	79.51	1.79	92.47	-1,412.94	-8,268.84	4,875.10	4,829.89	45.22	107.819		
8,700.00	6,840.00	6,714.94	6,714.25	81.72	1.79	92.43	-1,412.94	-8,268.84	4,775.17	4,729.84	45.33	105.350		
8,800.00	6,840.00	6,714.82	6,714.14	83.95	1.79	92.39	-1,412.94	-8,268.84	4,675.23	4,629.79	45.44	102.884		
8,900.00	6,840.00	6,714.71	6,714.02	86.22	1.79	92.35	-1,412.94	-8,268.84	4,575.30	4,529.74	45.56	100.419		
9,000.00	6,840.00	6,714.59	6,713.90	88.51	1.79	92.31	-1,412.94	-8,268.84	4,475.37	4,429.68	45.69	97.956		
9,100.00	6,840.00	6,714.47	6,713.78	90.83	1.79	92.27	-1,412.94	-8,268.84	4,375.45	4,329.63	45.82	95.494		
9,200.00	6,840.00	6,714.35	6,713.66	93.16	1.79	92.23	-1,412.94	-8,268.84	4,275.52	4,229.57	45.96	93.035		
9,300.00	6,840.00	6,714.23	6,713.54	95.52	1.79	92.19	-1,412.94	-8,268.84	4,175.61	4,129.51	46.10	90.578		
9,400.00	6,840.00	6,714.11	6,713.42	97.90	1.79	92.15	-1,412.94	-8,268.84	4,075.69	4,029.44	46.25	88.123		
9,500.00	6,840.00	6,713.99	6,713.30	100.30	1.79	92.11	-1,412.93	-8,268.84	3,975.78	3,929.37	46.41	85.671		
9,600.00	6,840.00	6,720.40	6,719.71	102.72	1.79	94.26	-1,412.97	-8,268.81	3,875.86	3,829.31	46.55	83.257		
9,700.00	6,840.00	6,720.01	6,719.32	105.15	1.79	94.13	-1,412.97	-8,268.82	3,775.96	3,729.24	46.73	80.809		
9,800.00	6,840.00	6,719.63	6,718.94	107.59	1.79	94.00	-1,412.97	-8,268.82	3,676.07	3,629.16	46.91	78.364		
9,900.00	6,840.00	6,719.25	6,718.57	110.05	1.79	93.87	-1,412.97	-8,268.82	3,576.18	3,529.08	47.10	75.921		
10,000.00	6,840.00	6,718.88	6,718.20	112.52	1.79	93.75	-1,412.97	-8,268.82	3,476.30	3,428.99	47.31	73.482		
10,100.00	6,840.00	6,718.52	6,717.83	115.00	1.79	93.63	-1,412.96	-8,268.82	3,376.42	3,328.90	47.52	71.047		
10,200.00	6,840.00	6,718.16	6,717.47	117.50	1.79	93.51	-1,412.96	-8,268.82	3,276.56	3,228.80	47.75	68.615		
10,300.00	6,840.00	6,717.80	6,717.11	120.00	1.79	93.39	-1,412.96	-8,268.82	3,176.70	3,128.70	48.00	66.187		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-14 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,840.00	6,717.45	6,716.76	122.51	1.79	93.27	-1,412.96	-8,268.82	3,076.85	3,028.59	48.25	63.763		
10,500.00	6,840.00	6,717.10	6,716.41	125.04	1.79	93.15	-1,412.96	-8,268.82	2,977.01	2,928.48	48.53	61.343		
10,600.00	6,840.00	6,716.75	6,716.07	127.57	1.79	93.04	-1,412.95	-8,268.83	2,877.18	2,828.35	48.83	58.928		
10,700.00	6,840.00	6,716.42	6,715.73	130.11	1.79	92.93	-1,412.95	-8,268.83	2,777.36	2,728.22	49.14	56.517		
10,800.00	6,840.00	6,716.08	6,715.39	132.66	1.79	92.81	-1,412.95	-8,268.83	2,677.56	2,628.08	49.48	54.112		
10,900.00	6,840.00	6,715.75	6,715.06	135.21	1.79	92.70	-1,412.95	-8,268.83	2,577.77	2,527.92	49.85	51.712		
11,000.00	6,840.00	6,715.42	6,714.74	137.77	1.79	92.59	-1,412.95	-8,268.83	2,478.00	2,427.75	50.24	49.318		
11,100.00	6,840.00	6,715.10	6,714.41	140.34	1.79	92.48	-1,412.95	-8,268.83	2,378.25	2,327.57	50.68	46.931		
11,200.00	6,840.00	6,714.78	6,714.09	142.91	1.79	92.38	-1,412.94	-8,268.83	2,278.52	2,227.37	51.14	44.551		
11,300.00	6,840.00	6,714.46	6,713.78	145.49	1.79	92.27	-1,412.94	-8,268.83	2,178.81	2,127.15	51.66	42.178		
11,400.00	6,840.00	6,714.15	6,713.47	148.07	1.79	92.17	-1,412.94	-8,268.83	2,079.13	2,026.91	52.22	39.813		
11,500.00	6,840.00	6,713.84	6,713.16	150.66	1.79	92.06	-1,412.94	-8,268.83	1,979.49	1,926.65	52.85	37.458		
11,600.00	6,840.00	6,713.54	6,712.85	153.25	1.79	91.96	-1,412.94	-8,268.83	1,879.88	1,826.35	53.54	35.114		
11,700.00	6,840.00	6,713.24	6,712.55	155.85	1.79	91.86	-1,412.94	-8,268.84	1,780.32	1,726.01	54.31	32.780		
11,800.00	6,840.00	6,712.94	6,712.26	158.45	1.79	91.76	-1,412.94	-8,268.84	1,680.81	1,625.63	55.18	30.460		
11,900.00	6,840.00	6,712.65	6,711.96	161.06	1.79	91.66	-1,412.93	-8,268.84	1,581.36	1,525.20	56.17	28.155		
12,000.00	6,840.00	6,712.36	6,711.67	163.67	1.79	91.57	-1,412.93	-8,268.84	1,481.99	1,424.70	57.29	25.868		
12,100.00	6,840.00	6,712.07	6,711.38	166.28	1.79	91.47	-1,412.93	-8,268.84	1,382.70	1,324.11	58.59	23.600		
12,200.00	6,840.00	6,711.79	6,711.10	168.90	1.79	91.37	-1,412.93	-8,268.84	1,283.53	1,223.43	60.10	21.357		
12,300.00	6,840.00	6,711.50	6,710.82	171.52	1.79	91.28	-1,412.93	-8,268.84	1,184.49	1,122.61	61.88	19.142		
12,400.00	6,840.00	6,711.23	6,710.54	174.15	1.79	91.19	-1,412.93	-8,268.84	1,085.63	1,021.63	64.00	16.962		
12,500.00	6,840.00	6,710.95	6,710.27	176.77	1.79	91.10	-1,412.93	-8,268.84	987.01	920.43	66.58	14.825		
12,600.00	6,840.00	6,710.68	6,709.99	179.40	1.79	91.00	-1,412.93	-8,268.84	888.68	818.93	69.76	12.740		
12,700.00	6,840.00	6,710.41	6,709.73	182.04	1.79	90.91	-1,412.92	-8,268.84	790.78	717.02	73.76	10.721		
12,800.00	6,840.00	6,710.15	6,709.46	184.67	1.79	90.82	-1,412.92	-8,268.84	693.48	614.54	78.94	8.785		
12,900.00	6,840.00	6,709.88	6,709.20	187.31	1.79	90.74	-1,412.92	-8,268.84	597.07	511.24	85.83	6.957		
13,000.00	6,840.00	6,709.62	6,708.94	189.95	1.79	90.65	-1,412.92	-8,268.84	502.07	406.74	95.33	5.267		
13,100.00	6,840.00	6,709.37	6,708.68	192.59	1.79	90.56	-1,412.92	-8,268.84	409.46	300.48	108.97	3.757		
13,200.00	6,840.00	6,709.11	6,708.42	195.24	1.79	90.48	-1,412.92	-8,268.85	321.30	191.97	129.33	2.484		
13,300.00	6,840.00	6,708.86	6,708.17	197.88	1.79	90.39	-1,412.92	-8,268.85	242.51	82.87	159.64	1.519		
13,400.00	6,840.00	6,708.61	6,707.92	200.53	1.79	90.31	-1,412.92	-8,268.85	185.44	-9.63	195.07	0.951	Level 1	
13,472.11	6,840.00	6,708.43	6,707.75	202.44	1.79	90.25	-1,412.92	-8,268.85	170.85	-31.61	202.45	0.844	Level 1, CC, ES, SF	
13,500.00	6,840.00	6,708.36	6,707.68	203.18	1.79	90.23	-1,412.92	-8,268.85	173.11	-23.54	196.65	0.880	Level 1	
13,600.00	6,840.00	6,708.13	6,707.44	205.83	1.79	90.15	-1,412.91	-8,268.85	213.41	61.56	151.85	1.405	Level 3	
13,700.00	6,840.00	6,707.96	6,707.27	208.49	1.79	90.09	-1,412.91	-8,268.85	284.82	174.96	109.86	2.593		
13,800.00	6,840.00	6,707.79	6,707.10	211.14	1.79	90.03	-1,412.91	-8,268.85	369.73	286.64	83.09	4.450		
13,900.00	6,840.00	6,707.62	6,706.93	213.80	1.79	89.98	-1,412.91	-8,268.85	460.73	394.05	66.68	6.909		
14,000.00	6,840.00	6,707.45	6,706.76	216.46	1.79	89.92	-1,412.91	-8,268.85	554.84	498.41	56.43	9.833		
14,100.00	6,840.00	6,707.27	6,706.59	219.12	1.79	89.86	-1,412.91	-8,268.85	650.71	600.83	49.88	13.045		
14,200.00	6,840.00	6,707.10	6,706.41	221.78	1.79	89.80	-1,412.91	-8,268.85	747.67	702.03	45.64	16.383		
14,300.00	6,840.00	6,706.92	6,706.24	224.45	1.79	89.74	-1,412.91	-8,268.85	845.33	802.46	42.87	19.719		
14,400.00	6,840.00	6,706.74	6,706.06	227.11	1.79	89.68	-1,412.91	-8,268.85	943.48	902.42	41.06	22.978		
14,500.00	6,840.00	6,706.57	6,705.88	229.78	1.79	89.62	-1,412.91	-8,268.85	1,041.99	1,002.10	39.89	26.123		
14,600.00	6,840.00	6,706.38	6,705.70	232.45	1.79	89.56	-1,412.91	-8,268.85	1,140.75	1,101.61	39.14	29.145		
14,700.00	6,840.00	6,706.20	6,705.52	235.12	1.79	89.50	-1,412.90	-8,268.85	1,239.71	1,201.03	38.68	32.049		
14,800.00	6,840.00	6,706.02	6,705.33	237.79	1.79	89.44	-1,412.90	-8,268.85	1,338.83	1,300.41	38.42	34.847		
14,900.00	6,840.00	6,705.83	6,705.15	240.46	1.79	89.38	-1,412.90	-8,268.85	1,438.07	1,399.77	38.29	37.553		
15,000.00	6,840.00	6,705.65	6,704.96	243.13	1.79	89.32	-1,412.90	-8,268.86	1,537.41	1,499.14	38.26	40.181		
15,100.00	6,840.00	6,705.46	6,704.77	245.80	1.79	89.25	-1,412.90	-8,268.86	1,636.82	1,598.53	38.30	42.742		
15,200.00	6,840.00	6,705.27	6,704.58	248.48	1.79	89.19	-1,412.90	-8,268.86	1,736.31	1,697.94	38.37	45.246		
15,300.00	6,840.00	6,705.07	6,704.39	251.15	1.79	89.12	-1,412.90	-8,268.86	1,835.85	1,797.37	38.49	47.703		
15,400.00	6,840.00	6,704.88	6,704.20	253.83	1.79	89.06	-1,412.90	-8,268.86	1,935.44	1,896.82	38.62	50.118		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-14 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	6,840.00	6,704.69	6,704.00	256.51	1.79	88.99	-1,412.90	-8,268.86	2,035.07	1,996.30	38.76	52.498		
15,600.00	6,840.00	6,704.49	6,703.80	259.19	1.79	88.93	-1,412.90	-8,268.86	2,134.73	2,095.81	38.92	54.847		
15,700.00	6,840.00	6,704.29	6,703.60	261.87	1.79	88.86	-1,412.90	-8,268.86	2,234.42	2,195.34	39.08	57.168		
15,800.00	6,840.00	6,704.09	6,703.40	264.55	1.79	88.79	-1,412.90	-8,268.86	2,334.14	2,294.89	39.25	59.466		
15,900.00	6,840.00	6,703.89	6,703.20	267.23	1.79	88.73	-1,412.90	-8,268.86	2,433.89	2,394.47	39.42	61.743		
16,000.00	6,840.00	6,703.68	6,703.00	269.91	1.79	88.66	-1,412.90	-8,268.86	2,533.65	2,494.06	39.59	64.000		
16,100.00	6,840.00	6,703.48	6,702.79	272.59	1.79	88.59	-1,412.89	-8,268.86	2,633.43	2,593.67	39.76	66.240		
16,200.00	6,840.00	6,703.27	6,702.58	275.28	1.79	88.52	-1,412.89	-8,268.86	2,733.23	2,693.30	39.92	68.464		
16,300.00	6,840.00	6,703.06	6,702.37	277.96	1.79	88.45	-1,412.89	-8,268.86	2,833.04	2,792.95	40.09	70.673		
16,400.00	6,840.00	6,702.85	6,702.16	280.64	1.79	88.38	-1,412.89	-8,268.86	2,932.86	2,892.61	40.25	72.868		
16,500.00	6,840.00	6,702.63	6,701.95	283.33	1.79	88.31	-1,412.89	-8,268.86	3,032.70	2,992.29	40.41	75.050		
16,600.00	6,840.00	6,702.42	6,701.73	286.02	1.79	88.23	-1,412.89	-8,268.86	3,132.54	3,091.98	40.57	77.220		
16,700.00	6,840.00	6,702.20	6,701.51	288.70	1.79	88.16	-1,412.89	-8,268.86	3,232.40	3,191.68	40.72	79.378		
16,800.00	6,840.00	6,701.98	6,701.29	291.39	1.79	88.09	-1,412.89	-8,268.86	3,332.26	3,291.39	40.87	81.525		
16,900.00	6,840.00	6,701.76	6,701.07	294.08	1.79	88.01	-1,412.89	-8,268.86	3,432.14	3,391.11	41.02	83.662		
17,000.00	6,840.00	6,701.53	6,700.85	296.77	1.79	87.94	-1,412.89	-8,268.86	3,532.02	3,490.84	41.17	85.788		
17,100.00	6,840.00	6,701.31	6,700.62	299.46	1.79	87.86	-1,412.89	-8,268.86	3,631.90	3,590.58	41.32	87.904		
17,200.00	6,840.00	6,701.08	6,700.39	302.14	1.79	87.78	-1,412.89	-8,268.86	3,731.79	3,690.33	41.46	90.011		
17,300.00	6,840.00	6,700.85	6,700.16	304.84	1.79	87.71	-1,412.88	-8,268.86	3,831.69	3,790.09	41.60	92.108		
17,400.00	6,840.00	6,700.61	6,699.93	307.53	1.79	87.63	-1,412.88	-8,268.86	3,931.59	3,889.86	41.74	94.196		
17,500.00	6,840.00	6,700.38	6,699.69	310.22	1.79	87.55	-1,412.88	-8,268.86	4,031.50	3,989.63	41.87	96.275		
17,600.00	6,840.00	6,700.14	6,699.45	312.91	1.79	87.47	-1,412.88	-8,268.87	4,131.41	4,089.40	42.01	98.345		
17,700.00	6,840.00	6,700.00	6,699.31	315.60	1.79	87.42	-1,412.88	-8,268.87	4,231.33	4,189.19	42.14	100.404		
17,800.00	6,840.00	6,700.00	6,699.31	318.29	1.79	87.42	-1,412.88	-8,268.87	4,331.25	4,288.97	42.28	102.453		
17,900.00	6,840.00	6,700.00	6,699.31	320.99	1.79	87.42	-1,412.88	-8,268.87	4,431.17	4,388.77	42.41	104.492		
18,000.00	6,840.00	6,700.00	6,699.31	323.68	1.79	87.42	-1,412.88	-8,268.87	4,531.10	4,488.56	42.54	106.523		
18,100.00	6,840.00	6,700.00	6,699.31	326.38	1.79	87.42	-1,412.88	-8,268.87	4,631.03	4,588.37	42.66	108.546		
18,200.00	6,840.00	6,700.00	6,699.31	329.07	1.79	87.42	-1,412.88	-8,268.87	4,730.96	4,688.17	42.79	110.561		
18,300.00	6,840.00	6,700.00	6,699.31	331.77	1.79	87.42	-1,412.88	-8,268.87	4,830.90	4,787.98	42.92	112.567		
18,400.00	6,840.00	6,700.00	6,699.31	334.46	1.79	87.42	-1,412.88	-8,268.87	4,930.84	4,887.80	43.04	114.566		
18,500.00	6,840.00	6,700.00	6,699.31	337.16	1.79	87.42	-1,412.88	-8,268.87	5,030.78	4,987.62	43.16	116.556		
18,600.00	6,840.00	6,700.00	6,699.31	339.85	1.79	87.42	-1,412.88	-8,268.87	5,130.72	5,087.44	43.28	118.539		
18,700.00	6,840.00	6,700.00	6,699.31	342.55	1.79	87.42	-1,412.88	-8,268.87	5,230.67	5,187.27	43.40	120.513		
18,800.00	6,840.00	6,700.00	6,699.31	345.25	1.79	87.42	-1,412.88	-8,268.87	5,330.62	5,287.09	43.52	122.480		
18,900.00	6,840.00	6,700.00	6,699.31	347.94	1.79	87.42	-1,412.88	-8,268.87	5,430.57	5,386.93	43.64	124.439		
19,000.00	6,840.00	6,700.00	6,699.31	350.64	1.79	87.42	-1,412.88	-8,268.87	5,530.52	5,486.76	43.76	126.390		
19,100.00	6,840.00	6,700.00	6,699.31	353.34	1.79	87.42	-1,412.88	-8,268.87	5,630.47	5,586.60	43.87	128.333		
19,200.00	6,840.00	6,700.00	6,699.31	356.04	1.79	87.42	-1,412.88	-8,268.87	5,730.42	5,686.44	43.99	130.268		
19,300.00	6,840.00	6,700.00	6,699.31	358.74	1.79	87.42	-1,412.88	-8,268.87	5,830.38	5,786.28	44.10	132.196		
19,400.00	6,840.00	6,700.00	6,699.31	361.44	1.79	87.42	-1,412.88	-8,268.87	5,930.34	5,886.12	44.22	134.115		
19,500.00	6,840.00	6,700.00	6,699.31	364.13	1.79	87.42	-1,412.88	-8,268.87	6,030.30	5,985.97	44.33	136.028		
19,600.00	6,840.00	6,700.00	6,699.31	366.83	1.79	87.42	-1,412.88	-8,268.87	6,130.26	6,085.81	44.44	137.932		
19,700.00	6,840.00	6,700.00	6,699.31	369.53	1.79	87.42	-1,412.88	-8,268.87	6,230.22	6,185.66	44.56	139.829		
19,800.00	6,840.00	6,700.00	6,699.31	372.23	1.79	87.42	-1,412.88	-8,268.87	6,330.18	6,285.52	44.67	141.718		
19,900.00	6,840.00	6,700.00	6,699.31	374.94	1.79	87.42	-1,412.88	-8,268.87	6,430.15	6,385.37	44.78	143.599		
20,000.00	6,840.00	6,700.00	6,699.31	377.64	1.79	87.42	-1,412.88	-8,268.87	6,530.11	6,485.22	44.89	145.473		
20,100.00	6,840.00	6,700.00	6,699.31	380.34	1.79	87.42	-1,412.88	-8,268.87	6,630.08	6,585.08	45.00	147.340		
20,200.00	6,840.00	6,700.00	6,699.31	383.04	1.79	87.42	-1,412.88	-8,268.87	6,730.05	6,684.94	45.11	149.198		
20,300.00	6,840.00	6,700.00	6,699.31	385.74	1.79	87.42	-1,412.88	-8,268.87	6,830.01	6,784.80	45.22	151.049		
20,400.00	6,840.00	6,700.00	6,699.31	388.44	1.79	87.42	-1,412.88	-8,268.87	6,929.98	6,884.66	45.33	152.893		
20,500.00	6,840.00	6,700.00	6,699.31	391.14	1.79	87.42	-1,412.88	-8,268.87	7,029.95	6,984.52	45.43	154.729		
20,552.28	6,840.00	6,700.00	6,699.31	392.56	1.79	87.42	-1,412.88	-8,268.87	7,082.21	7,036.72	45.49	155.685		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-15 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-101.82	-1,443.15	-6,894.97	7,045.40					
100.00	100.00	0.00	0.00	0.13	0.00	-101.82	-1,443.15	-6,894.97	7,044.41	7,044.28	0.13	N/A		
120.48	120.48	0.43	0.43	0.21	0.00	-101.82	-1,443.15	-6,894.97	7,044.38	7,044.17	0.21	N/A		
200.00	200.00	72.21	72.21	0.49	0.08	-101.82	-1,443.07	-6,895.03	7,044.43	7,043.86	0.57	N/A		
300.00	300.00	174.69	174.69	0.85	0.20	-101.82	-1,442.76	-6,895.22	7,044.55	7,043.49	1.05	6,696.301		
400.00	399.98	268.71	268.71	1.20	0.29	26.25	-1,442.48	-6,895.37	7,043.08	7,041.59	1.48	4,744.647		
500.00	499.84	373.04	373.04	1.55	0.37	26.32	-1,442.10	-6,895.62	7,038.55	7,036.65	1.90	3,703.404		
600.00	599.45	479.38	479.38	1.91	0.44	26.43	-1,441.48	-6,895.79	7,030.77	7,028.45	2.32	3,033.655		
700.00	698.70	580.11	580.11	2.29	0.50	26.57	-1,440.94	-6,895.89	7,019.83	7,017.10	2.73	2,568.471		
800.00	797.47	678.94	678.93	2.70	0.55	26.76	-1,440.52	-6,895.95	7,005.80	7,002.65	3.15	2,222.934		
900.00	895.62	775.93	775.92	3.14	0.60	26.99	-1,440.19	-6,896.01	6,988.70	6,985.13	3.58	1,954.450		
1,000.00	993.06	870.40	870.39	3.62	0.64	27.26	-1,439.89	-6,896.08	6,968.59	6,964.58	4.01	1,738.790		
1,100.00	1,089.64	964.65	964.64	4.14	0.68	27.58	-1,439.68	-6,896.18	6,945.51	6,941.06	4.45	1,561.183		
1,200.00	1,185.27	1,060.59	1,060.58	4.70	0.71	27.94	-1,439.64	-6,896.26	6,919.47	6,914.57	4.89	1,413.806		
1,300.00	1,279.82	1,151.56	1,151.55	5.31	0.72	28.35	-1,439.72	-6,896.32	6,890.49	6,885.13	5.36	1,285.991		
1,400.00	1,373.17	1,240.16	1,240.15	5.98	0.75	28.80	-1,439.84	-6,896.44	6,858.70	6,852.86	5.85	1,173.313		
1,500.00	1,465.22	1,331.14	1,331.14	6.70	0.77	29.27	-1,440.12	-6,896.58	6,824.12	6,817.77	6.36	1,073.576		
1,600.00	1,556.72	1,422.26	1,422.25	7.45	0.79	29.43	-1,440.46	-6,896.70	6,788.43	6,781.57	6.87	988.297		
1,700.00	1,648.21	1,511.83	1,511.82	8.21	0.81	29.59	-1,440.81	-6,896.85	6,752.82	6,745.43	7.39	913.697		
1,800.00	1,739.71	1,604.73	1,604.72	8.99	0.83	29.76	-1,441.21	-6,897.00	6,717.25	6,709.33	7.92	847.999		
1,900.00	1,831.20	1,686.51	1,686.50	9.77	0.85	29.90	-1,441.58	-6,897.18	6,681.80	6,673.35	8.46	790.078		
2,000.00	1,922.69	1,773.33	1,773.31	10.56	0.88	30.06	-1,441.95	-6,897.47	6,646.51	6,637.50	9.00	738.366		
2,100.00	2,014.19	1,870.18	1,870.17	11.35	0.90	30.24	-1,442.27	-6,897.83	6,611.27	6,601.72	9.55	691.977		
2,200.00	2,105.68	1,964.18	1,964.16	12.14	0.93	30.42	-1,442.47	-6,898.11	6,576.01	6,565.90	10.11	650.318		
2,300.00	2,197.18	2,075.30	2,075.29	12.94	0.94	30.63	-1,442.64	-6,898.34	6,540.71	6,530.06	10.65	614.055		
2,400.00	2,288.67	2,173.96	2,173.95	13.74	0.96	30.82	-1,442.59	-6,898.29	6,505.20	6,494.00	11.20	580.969		
2,500.00	2,380.17	2,267.16	2,267.15	14.54	0.96	31.00	-1,442.53	-6,898.21	6,469.72	6,457.97	11.75	550.768		
2,600.00	2,471.66	2,351.00	2,350.99	15.35	0.97	31.17	-1,442.55	-6,898.14	6,434.31	6,422.01	12.30	523.239		
2,700.00	2,563.16	2,422.32	2,422.30	16.15	0.97	31.31	-1,442.54	-6,898.23	6,399.15	6,386.29	12.86	497.597		
2,800.00	2,654.65	2,481.66	2,481.64	16.96	0.99	31.43	-1,442.53	-6,898.58	6,364.46	6,351.02	13.44	473.446		
2,900.00	2,746.15	2,561.32	2,561.30	17.76	1.02	31.60	-1,442.49	-6,899.38	6,330.20	6,316.17	14.03	451.196		
3,000.00	2,837.64	2,648.41	2,648.38	18.57	1.05	31.78	-1,442.36	-6,900.33	6,296.08	6,281.46	14.62	430.626		
3,100.00	2,929.14	2,737.87	2,737.84	19.38	1.07	31.96	-1,442.24	-6,901.38	6,262.09	6,246.87	15.22	411.562		
3,200.00	3,020.63	2,832.71	2,832.67	20.19	1.10	32.16	-1,442.27	-6,902.44	6,228.14	6,212.33	15.81	393.853		
3,300.00	3,112.13	2,986.72	2,986.67	21.00	1.13	32.49	-1,442.51	-6,903.64	6,194.10	6,177.70	16.39	377.866		
3,400.00	3,203.62	3,100.51	3,100.46	21.81	1.15	32.72	-1,443.56	-6,903.33	6,159.12	6,142.14	16.98	362.827		
3,500.00	3,295.12	3,167.74	3,167.68	22.63	1.16	32.86	-1,444.75	-6,903.12	6,124.28	6,106.70	17.58	348.442		
3,600.00	3,386.61	3,232.69	3,232.61	23.44	1.17	32.99	-1,446.17	-6,903.15	6,089.87	6,071.69	18.18	334.936		
3,700.00	3,478.10	3,300.00	3,299.91	24.25	1.19	33.12	-1,447.63	-6,903.52	6,055.97	6,037.17	18.79	322.244		
3,800.00	3,569.60	3,365.72	3,365.61	25.06	1.21	33.26	-1,448.97	-6,904.17	6,022.51	6,003.10	19.41	310.266		
3,900.00	3,661.09	3,445.70	3,445.57	25.88	1.23	33.42	-1,450.37	-6,905.24	5,989.41	5,969.38	20.03	299.029		
4,000.00	3,752.59	3,538.49	3,538.34	26.69	1.25	33.62	-1,451.30	-6,906.64	5,956.45	5,935.80	20.65	288.439		
4,100.00	3,844.08	3,636.92	3,636.76	27.50	1.28	33.85	-1,451.38	-6,908.14	5,923.48	5,902.21	21.28	278.405		
4,200.00	3,935.58	3,736.08	3,735.91	28.32	1.31	34.09	-1,451.10	-6,909.59	5,890.51	5,868.60	21.91	268.885		
4,300.00	4,027.07	3,839.02	3,838.84	29.13	1.34	34.33	-1,450.61	-6,910.94	5,857.45	5,834.91	22.54	259.868		
4,400.00	4,118.57	3,941.41	3,941.22	29.95	1.37	34.58	-1,450.26	-6,912.09	5,824.32	5,801.15	23.18	251.303		
4,500.00	4,210.06	4,050.07	4,049.88	30.76	1.40	34.85	-1,450.06	-6,913.03	5,791.05	5,767.24	23.81	243.183		
4,600.00	4,301.56	4,143.70	4,143.51	31.58	1.43	35.07	-1,450.21	-6,913.60	5,757.65	5,733.19	24.46	235.403		
4,700.00	4,393.05	4,234.45	4,234.25	32.39	1.46	35.29	-1,450.47	-6,914.24	5,724.45	5,699.34	25.11	227.986		
4,800.00	4,484.55	4,346.86	4,346.66	33.21	1.49	35.57	-1,450.86	-6,914.76	5,691.09	5,665.34	25.75	221.014		
4,900.00	4,576.04	4,450.75	4,450.55	34.02	1.51	35.83	-1,451.26	-6,914.92	5,657.55	5,631.16	26.39	214.366		
5,000.00	4,667.54	4,590.44	4,590.24	34.84	1.52	36.18	-1,451.64	-6,914.59	5,623.78	5,596.79	27.00	208.305		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-15 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,759.03	4,854.58	4,854.27	35.65	1.52	36.86	-1,452.64	-6,907.43	5,587.16	5,559.67	27.49	203.276		
5,200.00	4,850.53	4,938.62	4,938.23	36.47	1.53	37.07	-1,453.58	-6,904.12	5,550.21	5,522.08	28.13	197.321		
5,300.00	4,942.02	5,000.00	4,999.57	37.28	1.53	37.23	-1,454.32	-6,901.84	5,513.59	5,484.80	28.80	191.472		
5,400.00	5,033.51	5,054.94	5,054.48	38.10	1.53	37.37	-1,455.01	-6,900.13	5,477.60	5,448.13	29.48	185.832		
5,500.00	5,125.01	5,104.41	5,103.93	38.92	1.53	37.50	-1,455.62	-6,899.02	5,442.44	5,412.27	30.17	180.413		
5,600.00	5,216.50	5,199.92	5,199.42	39.73	1.54	37.75	-1,456.73	-6,897.18	5,407.65	5,376.83	30.82	175.457		
5,700.00	5,308.00	5,255.37	5,254.86	40.55	1.54	37.90	-1,457.26	-6,896.28	5,373.22	5,341.70	31.52	170.486		
5,800.00	5,399.49	5,318.79	5,318.27	41.36	1.55	38.08	-1,457.69	-6,895.69	5,339.48	5,307.26	32.21	165.758		
5,900.00	5,490.99	5,411.08	5,410.55	42.18	1.56	38.33	-1,458.41	-6,894.96	5,305.99	5,273.10	32.89	161.338		
6,000.00	5,582.48	5,486.04	5,485.51	43.00	1.57	38.54	-1,459.14	-6,894.49	5,272.75	5,239.17	33.58	157.003		
6,100.00	5,673.98	5,563.78	5,563.24	43.81	1.58	38.75	-1,459.98	-6,894.22	5,239.89	5,205.60	34.28	152.835		
6,200.00	5,765.47	5,643.42	5,642.88	44.63	1.60	38.98	-1,460.81	-6,894.15	5,207.35	5,172.36	34.99	148.822		
6,300.00	5,856.97	5,727.80	5,727.26	45.45	1.61	39.22	-1,461.23	-6,894.27	5,175.10	5,139.40	35.70	144.973		
6,400.00	5,948.46	5,833.10	5,832.56	46.26	1.61	39.55	-1,460.71	-6,894.42	5,142.97	5,106.58	36.39	141.336		
6,500.00	6,039.96	5,979.86	5,979.31	47.08	1.62	40.01	-1,459.35	-6,893.53	5,110.26	5,073.21	37.05	137.935		
6,600.00	6,131.45	6,084.00	6,083.44	47.90	1.62	40.34	-1,458.64	-6,892.14	5,077.00	5,039.26	37.75	134.494		
6,700.00	6,222.95	6,175.12	6,174.55	48.71	1.63	40.63	-1,458.12	-6,890.84	5,043.80	5,005.33	38.47	131.118		
6,800.00	6,314.44	6,257.97	6,257.38	49.53	1.63	40.90	-1,457.76	-6,889.71	5,010.78	4,971.58	39.20	127.826		
6,900.00	6,405.93	6,338.32	6,337.73	50.35	1.63	41.16	-1,457.62	-6,888.79	4,978.09	4,938.15	39.94	124.638		
7,000.00	6,497.01	6,421.65	6,421.06	51.18	1.64	36.41	-1,457.60	-6,888.01	4,944.50	4,903.81	40.68	121.532		
7,100.00	6,588.62	6,510.26	6,509.67	52.20	1.65	28.12	-1,457.66	-6,887.19	4,898.15	4,856.73	41.43	118.232		
7,200.00	6,659.25	6,592.50	6,591.90	53.42	1.65	23.64	-1,457.74	-6,886.35	4,837.18	4,795.04	42.14	114.783		
7,300.00	6,724.59	6,656.63	6,656.02	54.84	1.66	21.27	-1,457.82	-6,885.65	4,763.43	4,720.64	42.80	111.299		
7,400.00	6,776.64	6,707.06	6,706.45	56.40	1.66	20.47	-1,457.90	-6,885.12	4,679.19	4,635.83	43.36	107.924		
7,500.00	6,813.82	6,743.32	6,742.71	58.08	1.67	21.55	-1,458.03	-6,884.73	4,586.96	4,543.18	43.78	104.761		
7,600.00	6,835.01	6,763.54	6,762.93	59.82	1.67	28.69	-1,458.15	-6,884.52	4,489.52	4,445.45	44.07	101.883		
7,700.00	6,840.00	6,767.50	6,766.89	61.57	1.67	109.51	-1,458.17	-6,884.48	4,389.78	4,345.59	44.19	99.331		
7,800.00	6,840.00	6,766.45	6,765.84	63.35	1.67	109.11	-1,458.17	-6,884.49	4,289.84	4,245.56	44.28	96.887		
7,900.00	6,840.00	6,765.40	6,764.79	65.20	1.67	108.70	-1,458.16	-6,884.50	4,189.89	4,145.53	44.36	94.444		
8,000.00	6,840.00	6,764.35	6,763.74	67.10	1.67	108.29	-1,458.15	-6,884.51	4,089.95	4,045.49	44.46	92.002		
8,100.00	6,840.00	6,763.30	6,762.69	69.05	1.67	107.88	-1,458.15	-6,884.52	3,990.01	3,945.46	44.55	89.560		
8,200.00	6,840.00	6,762.24	6,761.63	71.06	1.67	107.46	-1,458.14	-6,884.53	3,890.07	3,845.42	44.65	87.119		
8,300.00	6,840.00	6,761.19	6,760.58	73.11	1.67	107.05	-1,458.13	-6,884.55	3,790.13	3,745.38	44.76	84.680		
8,400.00	6,840.00	6,760.14	6,759.53	75.21	1.67	106.63	-1,458.13	-6,884.56	3,690.20	3,645.33	44.87	82.241		
8,500.00	6,840.00	6,759.09	6,758.48	77.34	1.67	106.21	-1,458.12	-6,884.57	3,590.27	3,545.29	44.99	79.804		
8,600.00	6,840.00	6,758.03	6,757.42	79.51	1.67	105.79	-1,458.11	-6,884.58	3,490.35	3,445.24	45.11	77.368		
8,700.00	6,840.00	6,756.98	6,756.37	81.72	1.67	105.36	-1,458.11	-6,884.59	3,390.43	3,345.18	45.25	74.933		
8,800.00	6,840.00	6,755.93	6,755.32	83.95	1.67	104.94	-1,458.10	-6,884.60	3,290.51	3,245.13	45.39	72.501		
8,900.00	6,840.00	6,754.87	6,754.26	86.22	1.67	104.51	-1,458.09	-6,884.61	3,190.60	3,145.07	45.53	70.070		
9,000.00	6,840.00	6,753.82	6,753.21	88.51	1.67	104.08	-1,458.09	-6,884.62	3,090.70	3,045.01	45.69	67.641		
9,100.00	6,840.00	6,752.76	6,752.15	90.83	1.67	103.65	-1,458.08	-6,884.63	2,990.80	2,944.94	45.86	65.214		
9,200.00	6,840.00	6,751.71	6,751.10	93.16	1.67	103.22	-1,458.07	-6,884.64	2,890.91	2,844.87	46.04	62.789		
9,300.00	6,840.00	6,750.65	6,750.04	95.52	1.67	102.78	-1,458.07	-6,884.66	2,791.02	2,744.79	46.23	60.367		
9,400.00	6,840.00	6,749.59	6,748.98	97.90	1.67	102.35	-1,458.06	-6,884.67	2,691.14	2,644.70	46.44	57.948		
9,500.00	6,840.00	6,748.54	6,747.93	100.30	1.67	101.91	-1,458.06	-6,884.68	2,591.28	2,544.61	46.66	55.531		
9,600.00	6,840.00	6,747.48	6,746.87	102.72	1.67	101.47	-1,458.05	-6,884.69	2,491.42	2,444.51	46.90	53.118		
9,700.00	6,840.00	6,746.42	6,745.81	105.15	1.67	101.03	-1,458.05	-6,884.70	2,391.57	2,344.41	47.16	50.708		
9,800.00	6,840.00	6,745.36	6,744.75	107.59	1.67	100.59	-1,458.04	-6,884.71	2,291.74	2,244.29	47.45	48.302		
9,900.00	6,840.00	6,744.30	6,743.70	110.05	1.67	100.14	-1,458.03	-6,884.72	2,191.92	2,144.16	47.76	45.899		
10,000.00	6,840.00	6,743.25	6,742.64	112.52	1.67	99.70	-1,458.03	-6,884.73	2,092.11	2,044.02	48.09	43.501		
10,100.00	6,840.00	6,742.19	6,741.58	115.00	1.67	99.25	-1,458.02	-6,884.74	1,992.33	1,943.86	48.47	41.108		
10,200.00	6,840.00	6,741.13	6,740.52	117.50	1.67	98.80	-1,458.02	-6,884.76	1,892.57	1,843.69	48.88	38.720		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-15 GYRO - OWB - GYRO													Offset Site Error: 0.00 usft	
Survey Program: 100-GYD_CT													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	6,740.07	6,739.46	120.00	1.67	98.36	-1,458.01	-6,884.77	1,792.83	1,743.50	49.34	36.337		
10,400.00	6,840.00	6,739.01	6,738.40	122.51	1.67	97.91	-1,458.01	-6,884.78	1,693.13	1,643.28	49.85	33.962		
10,500.00	6,840.00	6,737.94	6,737.34	125.04	1.67	97.46	-1,458.00	-6,884.79	1,593.46	1,543.03	50.44	31.594		
10,600.00	6,840.00	6,736.88	6,736.28	127.57	1.67	97.00	-1,458.00	-6,884.80	1,493.84	1,442.74	51.10	29.234		
10,700.00	6,840.00	6,735.82	6,735.21	130.11	1.67	96.55	-1,457.99	-6,884.81	1,394.26	1,342.40	51.86	26.885		
10,800.00	6,840.00	6,734.76	6,734.15	132.66	1.67	96.10	-1,457.99	-6,884.82	1,294.76	1,242.01	52.75	24.547		
10,900.00	6,840.00	6,733.70	6,733.09	135.21	1.67	95.64	-1,457.98	-6,884.83	1,195.33	1,141.55	53.79	22.224		
11,000.00	6,840.00	6,732.63	6,732.03	137.77	1.67	95.19	-1,457.98	-6,884.85	1,096.01	1,040.99	55.03	19.918		
11,100.00	6,840.00	6,731.57	6,730.96	140.34	1.67	94.73	-1,457.98	-6,884.86	996.82	940.30	56.53	17.635		
11,200.00	6,840.00	6,730.51	6,729.90	142.91	1.67	94.27	-1,457.97	-6,884.87	897.82	839.44	58.38	15.379		
11,300.00	6,840.00	6,729.44	6,728.83	145.49	1.67	93.81	-1,457.97	-6,884.88	799.05	738.33	60.72	13.160		
11,400.00	6,840.00	6,728.38	6,727.77	148.07	1.67	93.36	-1,457.96	-6,884.89	700.64	636.89	63.76	10.989		
11,500.00	6,840.00	6,727.31	6,726.70	150.66	1.67	92.90	-1,457.96	-6,884.90	602.75	534.92	67.83	8.886		
11,600.00	6,840.00	6,726.25	6,725.64	153.25	1.67	92.44	-1,457.95	-6,884.91	505.68	432.15	73.53	6.877		
11,700.00	6,840.00	6,725.18	6,724.57	155.85	1.67	91.98	-1,457.95	-6,884.92	410.02	328.08	81.94	5.004		
11,800.00	6,840.00	6,724.11	6,723.51	158.45	1.67	91.52	-1,457.95	-6,884.93	317.05	221.89	95.16	3.332		
11,900.00	6,840.00	6,723.05	6,722.44	161.06	1.67	91.05	-1,457.94	-6,884.95	230.04	112.82	117.22	1.963		
12,000.00	6,840.00	6,721.98	6,721.37	163.67	1.67	90.59	-1,457.94	-6,884.96	159.11	7.73	151.39	1.051	Level 2	
12,088.03	6,840.00	6,721.04	6,720.43	165.97	1.67	90.19	-1,457.94	-6,884.97	132.55	-33.10	165.65	0.800	Level 1, CC, ES, SF	
12,100.00	6,840.00	6,720.91	6,720.31	166.28	1.67	90.13	-1,457.94	-6,884.97	133.09	-29.99	163.08	0.816	Level 1	
12,200.00	6,840.00	6,719.84	6,719.24	168.90	1.67	89.67	-1,457.93	-6,884.98	173.51	58.22	115.29	1.505		
12,300.00	6,840.00	6,718.78	6,718.17	171.52	1.67	89.21	-1,457.93	-6,884.99	249.99	173.58	76.41	3.272		
12,400.00	6,840.00	6,717.71	6,717.10	174.15	1.67	88.75	-1,457.93	-6,885.00	338.95	282.61	56.34	6.017		
12,500.00	6,840.00	6,716.64	6,716.03	176.77	1.67	88.29	-1,457.92	-6,885.01	432.75	386.55	46.20	9.367		
12,600.00	6,840.00	6,715.57	6,714.96	179.40	1.66	87.82	-1,457.92	-6,885.03	528.82	487.79	41.04	12.886		
12,700.00	6,840.00	6,714.50	6,713.89	182.04	1.66	87.36	-1,457.92	-6,885.04	626.13	587.70	38.43	16.293		
12,800.00	6,840.00	6,713.43	6,712.82	184.67	1.66	86.90	-1,457.91	-6,885.05	724.17	687.01	37.16	19.488		
12,900.00	6,840.00	6,712.36	6,711.75	187.31	1.66	86.44	-1,457.91	-6,885.06	822.67	786.07	36.61	22.474		
13,000.00	6,840.00	6,711.29	6,710.68	189.95	1.66	85.98	-1,457.91	-6,885.07	921.50	885.07	36.44	25.291		
13,100.00	6,840.00	6,710.21	6,709.61	192.59	1.66	85.52	-1,457.90	-6,885.08	1,020.56	984.08	36.48	27.978		
13,200.00	6,840.00	6,709.14	6,708.54	195.24	1.66	85.06	-1,457.90	-6,885.09	1,119.78	1,083.15	36.63	30.568		
13,300.00	6,840.00	6,708.07	6,707.46	197.88	1.66	84.60	-1,457.90	-6,885.10	1,219.13	1,182.28	36.85	33.085		
13,400.00	6,840.00	6,707.00	6,706.39	200.53	1.66	84.14	-1,457.90	-6,885.12	1,318.58	1,281.48	37.09	35.547		
13,500.00	6,840.00	6,705.92	6,705.32	203.18	1.66	83.68	-1,457.89	-6,885.13	1,418.10	1,380.75	37.35	37.967		
13,600.00	6,840.00	6,704.85	6,704.24	205.83	1.66	83.22	-1,457.89	-6,885.14	1,517.69	1,480.08	37.61	40.354		
13,700.00	6,840.00	6,703.77	6,703.17	208.49	1.66	82.77	-1,457.89	-6,885.15	1,617.32	1,579.46	37.86	42.714		
13,800.00	6,840.00	6,702.70	6,702.09	211.14	1.66	82.31	-1,457.89	-6,885.16	1,717.00	1,678.89	38.11	45.052		
13,900.00	6,840.00	6,701.62	6,701.02	213.80	1.66	81.85	-1,457.89	-6,885.17	1,816.71	1,778.36	38.35	47.371		
14,000.00	6,840.00	6,700.55	6,699.94	216.46	1.66	81.40	-1,457.88	-6,885.18	1,916.45	1,877.87	38.58	49.674		
14,100.00	6,840.00	6,699.48	6,698.87	219.12	1.66	80.95	-1,457.88	-6,885.20	2,016.22	1,977.42	38.80	51.963		
14,200.00	6,840.00	6,698.41	6,697.80	221.78	1.66	80.50	-1,457.88	-6,885.21	2,116.01	2,077.00	39.01	54.239		
14,300.00	6,840.00	6,697.33	6,696.73	224.45	1.66	80.05	-1,457.88	-6,885.22	2,215.81	2,176.60	39.22	56.504		
14,400.00	6,840.00	6,696.26	6,695.66	227.11	1.66	79.60	-1,457.88	-6,885.23	2,315.64	2,276.23	39.41	58.758		
14,500.00	6,840.00	6,695.19	6,694.58	229.78	1.66	79.15	-1,457.88	-6,885.24	2,415.47	2,375.88	39.60	61.003		
14,600.00	6,840.00	6,694.12	6,693.51	232.45	1.66	78.70	-1,457.87	-6,885.25	2,515.32	2,475.55	39.77	63.239		
14,700.00	6,840.00	6,693.04	6,692.44	235.12	1.66	78.26	-1,457.87	-6,885.26	2,615.19	2,575.24	39.95	65.466		
14,800.00	6,840.00	6,691.97	6,691.36	237.79	1.66	77.81	-1,457.87	-6,885.28	2,715.06	2,674.94	40.11	67.685		
14,900.00	6,840.00	6,690.89	6,690.29	240.46	1.66	77.37	-1,457.87	-6,885.29	2,814.93	2,774.66	40.27	69.895		
15,000.00	6,840.00	6,689.81	6,689.21	243.13	1.66	76.93	-1,457.87	-6,885.30	2,914.82	2,874.39	40.43	72.098		
15,100.00	6,840.00	6,688.74	6,688.13	245.80	1.66	76.49	-1,457.86	-6,885.31	3,014.72	2,974.14	40.58	74.293		
15,200.00	6,840.00	6,687.66	6,687.05	248.48	1.66	76.05	-1,457.86	-6,885.32	3,114.62	3,073.89	40.72	76.481		
15,300.00	6,840.00	6,686.58	6,685.97	251.15	1.66	75.61	-1,457.86	-6,885.33	3,214.52	3,173.66	40.87	78.661		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-15 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,400.00	6,840.00	6,685.50	6,684.89	253.83	1.66	75.17	-1,457.86	-6,885.34	3,314.44	3,273.43	41.00	80.834		
15,500.00	6,840.00	6,684.42	6,683.81	256.51	1.66	74.74	-1,457.86	-6,885.36	3,414.35	3,373.22	41.14	83.000		
15,600.00	6,840.00	6,683.33	6,682.73	259.19	1.66	74.30	-1,457.86	-6,885.37	3,514.27	3,473.01	41.27	85.159		
15,700.00	6,840.00	6,682.25	6,681.65	261.87	1.66	73.87	-1,457.85	-6,885.38	3,614.20	3,572.80	41.39	87.311		
15,800.00	6,840.00	6,681.17	6,680.56	264.55	1.66	73.44	-1,457.85	-6,885.39	3,714.13	3,672.61	41.52	89.455		
15,900.00	6,840.00	6,680.08	6,679.48	267.23	1.66	73.01	-1,457.85	-6,885.40	3,814.06	3,772.42	41.64	91.593		
16,000.00	6,840.00	6,679.00	6,678.39	269.91	1.66	72.58	-1,457.85	-6,885.41	3,913.99	3,872.23	41.76	93.723		
16,100.00	6,840.00	6,677.91	6,677.31	272.59	1.66	72.16	-1,457.85	-6,885.42	4,013.93	3,972.05	41.88	95.846		
16,200.00	6,840.00	6,676.83	6,676.22	275.28	1.66	71.73	-1,457.85	-6,885.44	4,113.87	4,071.88	41.99	97.963		
16,300.00	6,840.00	6,675.74	6,675.13	277.96	1.66	71.31	-1,457.84	-6,885.45	4,213.82	4,171.71	42.11	100.072		
16,400.00	6,840.00	6,674.65	6,674.05	280.64	1.66	70.89	-1,457.84	-6,885.46	4,313.76	4,271.54	42.22	102.175		
16,500.00	6,840.00	6,673.56	6,672.96	283.33	1.66	70.47	-1,457.84	-6,885.47	4,413.71	4,371.38	42.33	104.270		
16,600.00	6,840.00	6,672.47	6,671.87	286.02	1.66	70.06	-1,457.84	-6,885.48	4,513.66	4,471.22	42.44	106.359		
16,700.00	6,840.00	6,671.38	6,670.78	288.70	1.66	69.64	-1,457.84	-6,885.49	4,613.61	4,571.07	42.55	108.440		
16,800.00	6,840.00	6,670.29	6,669.68	291.39	1.66	69.23	-1,457.84	-6,885.51	4,713.57	4,670.92	42.65	110.515		
16,900.00	6,840.00	6,669.19	6,668.59	294.08	1.66	68.82	-1,457.83	-6,885.52	4,813.52	4,770.77	42.76	112.582		
17,000.00	6,840.00	6,668.10	6,667.50	296.77	1.66	68.41	-1,457.83	-6,885.53	4,913.48	4,870.62	42.86	114.643		
17,100.00	6,840.00	6,667.01	6,666.40	299.46	1.66	68.00	-1,457.83	-6,885.54	5,013.44	4,970.48	42.96	116.696		
17,200.00	6,840.00	6,665.91	6,665.31	302.14	1.66	67.59	-1,457.83	-6,885.55	5,113.40	5,070.34	43.06	118.742		
17,300.00	6,840.00	6,664.82	6,664.21	304.84	1.66	67.19	-1,457.83	-6,885.57	5,213.36	5,170.20	43.16	120.781		
17,400.00	6,840.00	6,663.72	6,663.12	307.53	1.66	66.79	-1,457.83	-6,885.58	5,313.32	5,270.06	43.26	122.813		
17,500.00	6,840.00	6,662.62	6,662.02	310.22	1.66	66.39	-1,457.82	-6,885.59	5,413.29	5,369.92	43.36	124.838		
17,600.00	6,840.00	6,661.52	6,660.92	312.91	1.66	65.99	-1,457.82	-6,885.60	5,513.25	5,469.79	43.46	126.856		
17,700.00	6,840.00	6,660.42	6,659.82	315.60	1.66	65.60	-1,457.82	-6,885.61	5,613.22	5,569.66	43.56	128.867		
17,800.00	6,840.00	6,659.32	6,658.72	318.29	1.66	65.21	-1,457.82	-6,885.62	5,713.18	5,669.53	43.66	130.871		
17,900.00	6,840.00	6,658.22	6,657.62	320.99	1.66	64.82	-1,457.82	-6,885.64	5,813.15	5,769.40	43.75	132.867		
18,000.00	6,840.00	6,657.12	6,656.52	323.68	1.66	64.43	-1,457.82	-6,885.65	5,913.12	5,869.27	43.85	134.856		
18,100.00	6,840.00	6,656.02	6,655.41	326.38	1.66	64.04	-1,457.82	-6,885.66	6,013.09	5,969.15	43.94	136.839		
18,200.00	6,840.00	6,654.91	6,654.31	329.07	1.66	63.66	-1,457.81	-6,885.67	6,113.06	6,069.02	44.04	138.814		
18,300.00	6,840.00	6,653.81	6,653.21	331.77	1.66	63.28	-1,457.81	-6,885.68	6,213.03	6,168.90	44.13	140.781		
18,400.00	6,840.00	6,652.70	6,652.10	334.46	1.66	62.90	-1,457.81	-6,885.70	6,313.00	6,268.78	44.23	142.742		
18,500.00	6,840.00	6,651.60	6,650.99	337.16	1.66	62.52	-1,457.81	-6,885.71	6,412.98	6,368.65	44.32	144.695		
18,600.00	6,840.00	6,650.49	6,649.89	339.85	1.66	62.15	-1,457.81	-6,885.72	6,512.95	6,468.53	44.41	146.641		
18,700.00	6,840.00	6,649.38	6,648.78	342.55	1.66	61.77	-1,457.81	-6,885.73	6,612.92	6,568.41	44.51	148.580		
18,800.00	6,840.00	6,648.27	6,647.67	345.25	1.66	61.40	-1,457.80	-6,885.74	6,712.90	6,668.30	44.60	150.511		
18,900.00	6,840.00	6,647.16	6,646.56	347.94	1.66	61.04	-1,457.80	-6,885.76	6,812.87	6,768.18	44.69	152.436		
19,000.00	6,840.00	6,646.05	6,645.45	350.64	1.66	60.67	-1,457.80	-6,885.77	6,912.85	6,868.06	44.79	154.353		
19,100.00	6,840.00	6,644.94	6,644.34	353.34	1.66	60.31	-1,457.80	-6,885.78	7,012.82	6,967.94	44.88	156.262		
19,200.00	6,840.00	6,643.83	6,643.23	356.04	1.66	59.95	-1,457.80	-6,885.79	7,112.80	7,067.83	44.97	158.165		
19,300.00	6,840.00	6,642.72	6,642.11	358.74	1.66	59.59	-1,457.80	-6,885.80	7,212.78	7,167.71	45.06	160.060		
19,400.00	6,840.00	6,641.60	6,641.00	361.44	1.66	59.23	-1,457.80	-6,885.82	7,312.75	7,267.60	45.16	161.947		
19,500.00	6,840.00	6,640.49	6,639.89	364.13	1.66	58.88	-1,457.79	-6,885.83	7,412.73	7,367.48	45.25	163.828		
19,600.00	6,840.00	6,639.37	6,638.77	366.83	1.66	58.53	-1,457.79	-6,885.84	7,512.71	7,467.37	45.34	165.701		
19,700.00	6,840.00	6,638.26	6,637.65	369.53	1.66	58.18	-1,457.79	-6,885.85	7,612.69	7,567.26	45.43	167.567		
19,800.00	6,840.00	6,637.14	6,636.54	372.23	1.66	57.83	-1,457.79	-6,885.86	7,712.67	7,667.15	45.52	169.426		
19,900.00	6,840.00	6,636.02	6,635.42	374.94	1.66	57.49	-1,457.79	-6,885.88	7,812.65	7,767.03	45.61	171.277		
20,000.00	6,840.00	6,634.90	6,634.30	377.64	1.66	57.14	-1,457.79	-6,885.89	7,912.63	7,866.92	45.71	173.121		
20,100.00	6,840.00	6,633.78	6,633.18	380.34	1.66	56.80	-1,457.79	-6,885.90	8,012.61	7,966.81	45.80	174.957		
20,200.00	6,840.00	6,632.66	6,632.06	383.04	1.66	56.47	-1,457.78	-6,885.91	8,112.59	8,066.70	45.89	176.786		
20,300.00	6,840.00	6,631.54	6,630.94	385.74	1.66	56.13	-1,457.78	-6,885.92	8,212.57	8,166.59	45.98	178.608		
20,400.00	6,840.00	6,630.42	6,629.81	388.44	1.66	55.80	-1,457.78	-6,885.94	8,312.55	8,266.48	46.07	180.423		
20,500.00	6,840.00	6,629.29	6,628.69	391.14	1.66	55.47	-1,457.78	-6,885.95	8,412.53	8,366.37	46.16	182.230		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-15 GYRO - OWB - GYRO		Offset Site Error:		0.00 usft	
Survey Program:				100-GYD_CT								Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis			Distance					Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
20,552.28	6,840.00	6,628.70	6,628.10	392.56	1.66	55.30	-1,457.78	-6,885.96	8,464.80	8,418.59	46.21	183.172					

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-16 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 101-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-104.33	-1,409.25	-5,514.63	5,692.67					
100.00	100.00	2.87	2.87	0.13	0.00	-104.33	-1,409.25	-5,514.63	5,691.85	5,691.71	0.14	N/A		
200.00	200.00	98.50	98.50	0.49	0.10	-104.34	-1,409.43	-5,514.63	5,691.89	5,691.29	0.60	9,548.015		
300.00	300.00	185.70	185.70	0.85	0.20	-104.34	-1,409.70	-5,514.73	5,692.08	5,691.03	1.05	5,409.013		
400.00	399.98	296.33	296.33	1.20	0.30	23.73	-1,409.93	-5,514.94	5,690.73	5,689.23	1.50	3,800.694		
500.00	499.84	395.48	395.48	1.55	0.33	23.79	-1,409.91	-5,515.07	5,686.05	5,684.18	1.87	3,035.631		
600.00	599.45	481.40	481.39	1.91	0.38	23.88	-1,409.79	-5,515.32	5,678.32	5,676.04	2.28	2,492.703		
700.00	698.70	606.78	606.78	2.29	0.40	24.04	-1,409.80	-5,515.58	5,667.39	5,664.73	2.67	2,126.378		
800.00	797.47	745.75	745.74	2.70	0.45	24.25	-1,409.72	-5,514.91	5,652.59	5,649.51	3.09	1,831.931		
900.00	895.62	854.24	854.22	3.14	0.50	24.48	-1,410.35	-5,513.70	5,634.22	5,630.71	3.51	1,605.054		
1,000.00	993.06	941.45	941.43	3.62	0.54	24.74	-1,411.21	-5,512.63	5,612.76	5,608.82	3.94	1,425.231		
1,100.00	1,089.64	1,019.20	1,019.17	4.14	0.57	25.03	-1,412.25	-5,511.86	5,588.51	5,584.14	4.37	1,278.359		
1,200.00	1,185.27	1,095.93	1,095.89	4.70	0.61	25.35	-1,413.32	-5,511.35	5,561.55	5,556.74	4.82	1,154.527		
1,300.00	1,279.82	1,174.48	1,174.42	5.31	0.64	25.73	-1,414.42	-5,511.09	5,531.89	5,526.62	5.28	1,048.378		
1,400.00	1,373.17	1,261.69	1,261.63	5.98	0.68	26.17	-1,415.64	-5,511.01	5,499.49	5,493.74	5.75	955.757		
1,500.00	1,465.22	1,350.29	1,350.22	6.70	0.71	26.63	-1,416.69	-5,511.02	5,464.25	5,458.00	6.25	874.006		
1,600.00	1,556.72	1,436.45	1,436.38	7.45	0.75	26.80	-1,417.43	-5,511.18	5,427.95	5,421.20	6.75	804.584		
1,700.00	1,648.21	1,532.87	1,532.80	8.21	0.77	26.99	-1,417.74	-5,511.56	5,391.77	5,384.53	7.24	744.210		
1,800.00	1,739.71	1,634.76	1,634.69	8.99	0.77	27.21	-1,417.61	-5,511.73	5,355.34	5,347.60	7.74	691.617		
1,900.00	1,831.20	1,712.15	1,712.08	9.77	0.78	27.37	-1,417.68	-5,511.97	5,319.14	5,310.89	8.25	644.559		
2,000.00	1,922.69	1,813.98	1,813.90	10.56	0.82	27.59	-1,417.85	-5,512.20	5,282.95	5,274.16	8.78	601.459		
2,100.00	2,014.19	1,882.20	1,882.13	11.35	0.84	27.74	-1,418.05	-5,512.47	5,246.98	5,237.66	9.32	563.076		
2,200.00	2,105.68	1,963.18	1,963.10	12.14	0.87	27.92	-1,418.47	-5,513.05	5,211.40	5,201.54	9.86	528.490		
2,300.00	2,197.18	2,037.72	2,037.64	12.94	0.89	28.08	-1,418.98	-5,513.69	5,176.06	5,165.65	10.41	497.288		
2,400.00	2,288.67	2,105.27	2,105.18	13.74	0.92	28.23	-1,419.32	-5,514.63	5,141.20	5,130.24	10.96	469.010		
2,500.00	2,380.17	2,190.59	2,190.48	14.54	0.94	28.42	-1,419.61	-5,516.09	5,106.67	5,095.15	11.52	443.210		
2,600.00	2,471.66	2,274.36	2,274.24	15.35	0.97	28.62	-1,419.81	-5,517.67	5,072.34	5,060.25	12.09	419.645		
2,700.00	2,563.16	2,360.18	2,360.04	16.15	1.00	28.87	-1,419.76	-5,519.73	5,038.09	5,025.44	12.65	398.112		
2,800.00	2,654.65	2,517.35	2,517.19	16.96	1.02	29.22	-1,418.45	-5,521.74	5,003.31	4,990.09	13.22	378.466		
2,900.00	2,746.15	2,619.86	2,619.69	17.76	1.04	29.49	-1,417.04	-5,522.69	4,968.05	4,954.26	13.79	360.248		
3,000.00	2,837.64	2,702.45	2,702.27	18.57	1.06	29.70	-1,416.00	-5,523.46	4,932.89	4,918.52	14.37	343.303		
3,100.00	2,929.14	2,791.86	2,791.66	19.38	1.08	29.94	-1,414.94	-5,524.39	4,897.92	4,882.97	14.95	327.598		
3,200.00	3,020.63	2,879.90	2,879.69	20.19	1.10	30.18	-1,413.87	-5,525.35	4,863.08	4,847.54	15.54	312.981		
3,300.00	3,112.13	2,966.88	2,966.66	21.00	1.11	30.42	-1,412.76	-5,526.38	4,828.40	4,812.27	16.13	299.347		
3,400.00	3,203.62	3,069.12	3,068.89	21.81	1.14	30.71	-1,411.23	-5,527.62	4,793.81	4,777.09	16.72	286.697		
3,500.00	3,295.12	3,271.83	3,271.54	22.63	1.17	31.30	-1,406.98	-5,527.50	4,758.04	4,740.78	17.26	275.605		
3,600.00	3,386.61	3,367.09	3,366.77	23.44	1.18	31.58	-1,405.29	-5,526.14	4,721.20	4,703.35	17.85	264.498		
3,700.00	3,478.10	3,443.21	3,442.89	24.25	1.18	31.80	-1,404.35	-5,525.12	4,684.63	4,666.18	18.45	253.908		
3,800.00	3,569.60	3,519.16	3,518.83	25.06	1.19	32.02	-1,403.63	-5,524.37	4,648.49	4,629.43	19.06	243.938		
3,900.00	3,661.09	3,620.08	3,619.74	25.88	1.20	32.32	-1,402.74	-5,523.47	4,612.54	4,592.89	19.65	234.713		
4,000.00	3,752.59	3,748.26	3,747.89	26.69	1.22	32.71	-1,401.04	-5,521.39	4,575.91	4,555.68	20.23	226.142		
4,100.00	3,844.08	3,831.81	3,831.42	27.50	1.23	32.97	-1,400.07	-5,519.87	4,539.29	4,518.44	20.85	217.697		
4,200.00	3,935.58	3,912.57	3,912.16	28.32	1.24	33.22	-1,399.36	-5,518.56	4,502.97	4,481.49	21.47	209.685		
4,300.00	4,027.07	4,006.98	4,006.56	29.13	1.25	33.51	-1,398.74	-5,517.05	4,466.79	4,444.70	22.09	202.175		
4,400.00	4,118.57	4,086.70	4,086.27	29.95	1.26	33.76	-1,398.59	-5,515.80	4,430.81	4,408.08	22.73	194.955		
4,500.00	4,210.06	4,162.45	4,162.02	30.76	1.27	33.99	-1,398.80	-5,514.79	4,395.17	4,371.80	23.37	188.068		
4,600.00	4,301.56	4,253.28	4,252.83	31.58	1.29	34.27	-1,399.12	-5,513.82	4,359.89	4,335.88	24.01	181.614		
4,700.00	4,393.05	4,340.38	4,339.93	32.39	1.30	34.55	-1,399.26	-5,512.78	4,324.58	4,299.93	24.65	175.426		
4,800.00	4,484.55	4,413.39	4,412.94	33.21	1.31	34.78	-1,399.33	-5,512.20	4,289.71	4,264.39	25.32	169.448		
4,900.00	4,576.04	4,491.30	4,490.85	34.02	1.32	35.04	-1,399.34	-5,511.85	4,255.27	4,229.29	25.98	163.777		
5,000.00	4,667.54	4,613.41	4,612.96	34.84	1.34	35.45	-1,399.11	-5,511.14	4,220.81	4,194.20	26.62	158.579		
5,100.00	4,759.03	4,715.99	4,715.52	35.65	1.36	35.81	-1,398.58	-5,509.95	4,185.89	4,158.62	27.27	153.474		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-16 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 101-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,850.53	4,786.15	4,785.69	36.47	1.37	36.06	-1,397.95	-5,509.27	4,151.27	4,123.30	27.97	148.428		
5,300.00	4,942.02	4,852.24	4,851.76	37.28	1.38	36.30	-1,397.06	-5,509.02	4,117.26	4,088.59	28.67	143.591		
5,400.00	5,033.51	4,925.21	4,924.72	38.10	1.39	36.58	-1,395.59	-5,509.23	4,083.95	4,054.56	29.38	138.996		
5,500.00	5,125.01	5,017.05	5,016.54	38.92	1.41	36.94	-1,393.78	-5,509.59	4,050.88	4,020.80	30.08	134.671		
5,600.00	5,216.50	5,098.26	5,097.74	39.73	1.43	37.26	-1,392.27	-5,510.01	4,018.10	3,987.30	30.79	130.482		
5,700.00	5,308.00	5,169.76	5,169.22	40.55	1.44	37.55	-1,390.93	-5,510.65	3,985.80	3,954.28	31.52	126.434		
5,800.00	5,399.49	5,249.49	5,248.93	41.36	1.45	37.87	-1,389.47	-5,511.71	3,954.06	3,921.81	32.25	122.590		
5,900.00	5,490.99	5,339.71	5,339.13	42.18	1.47	38.23	-1,388.04	-5,513.04	3,922.63	3,889.65	32.98	118.938		
6,000.00	5,582.48	5,459.03	5,458.43	43.00	1.49	38.72	-1,386.53	-5,514.51	3,891.18	3,857.50	33.68	115.529		
6,100.00	5,673.98	5,631.24	5,630.60	43.81	1.52	39.45	-1,383.48	-5,513.65	3,858.11	3,823.78	34.33	112.380		
6,200.00	5,765.47	5,706.16	5,705.50	44.63	1.54	39.78	-1,381.62	-5,512.82	3,824.81	3,789.71	35.10	108.977		
6,300.00	5,856.97	5,807.11	5,806.41	45.45	1.56	40.24	-1,379.17	-5,511.75	3,791.73	3,755.88	35.84	105.786		
6,400.00	5,948.46	5,904.50	5,903.78	46.26	1.58	40.68	-1,377.33	-5,510.49	3,758.63	3,722.03	36.60	102.700		
6,500.00	6,039.96	5,980.12	5,979.39	47.08	1.60	41.02	-1,376.22	-5,509.60	3,725.83	3,688.45	37.38	99.662		
6,600.00	6,131.45	6,062.81	6,062.07	47.90	1.61	41.40	-1,375.15	-5,508.90	3,693.50	3,655.33	38.17	96.763		
6,700.00	6,222.95	6,142.30	6,141.54	48.71	1.63	41.76	-1,374.24	-5,508.39	3,661.56	3,622.60	38.97	93.965		
6,800.00	6,314.44	6,220.28	6,219.52	49.53	1.65	42.12	-1,373.46	-5,508.20	3,630.17	3,590.40	39.77	91.270		
6,900.00	6,405.93	6,306.43	6,305.67	50.35	1.67	42.52	-1,372.69	-5,508.19	3,599.18	3,558.61	40.58	88.698		
7,000.00	6,497.01	6,392.06	6,391.30	51.18	1.69	37.95	-1,371.93	-5,508.31	3,567.31	3,525.92	41.39	86.183		
7,100.00	6,582.62	6,478.64	6,477.87	52.20	1.71	29.94	-1,371.18	-5,508.48	3,522.70	3,480.48	42.22	83.439		
7,200.00	6,659.25	6,551.99	6,551.22	53.42	1.72	25.82	-1,370.66	-5,508.64	3,463.45	3,420.41	43.04	80.479		
7,300.00	6,724.59	6,613.71	6,612.94	54.84	1.74	24.04	-1,370.33	-5,508.85	3,391.38	3,347.58	43.80	77.428		
7,400.00	6,776.64	6,664.45	6,663.67	56.40	1.75	24.24	-1,370.11	-5,509.07	3,308.60	3,264.12	44.48	74.390		
7,500.00	6,813.82	6,700.90	6,700.13	58.08	1.75	27.25	-1,369.96	-5,509.25	3,217.52	3,172.49	45.04	71.444		
7,600.00	6,835.01	6,721.01	6,720.24	59.82	1.76	38.80	-1,369.88	-5,509.35	3,120.86	3,075.41	45.45	68.660		
7,700.00	6,840.00	6,726.17	6,725.40	61.57	1.76	85.57	-1,369.87	-5,509.38	3,021.50	2,975.78	45.72	66.090		
7,800.00	6,840.00	6,726.69	6,725.92	63.35	1.76	85.70	-1,369.86	-5,509.38	2,921.79	2,875.85	45.94	63.598		
7,900.00	6,840.00	6,727.22	6,726.44	65.20	1.76	85.83	-1,369.86	-5,509.38	2,822.11	2,775.92	46.18	61.109		
8,000.00	6,840.00	6,727.74	6,726.97	67.10	1.76	85.97	-1,369.86	-5,509.39	2,722.45	2,676.01	46.44	58.623		
8,100.00	6,840.00	6,728.27	6,727.50	69.05	1.76	86.10	-1,369.86	-5,509.39	2,622.81	2,576.09	46.72	56.141		
8,200.00	6,840.00	6,728.80	6,728.03	71.06	1.76	86.23	-1,369.86	-5,509.39	2,523.20	2,476.18	47.02	53.663		
8,300.00	6,840.00	6,729.34	6,728.56	73.11	1.76	86.37	-1,369.85	-5,509.40	2,423.63	2,376.28	47.35	51.189		
8,400.00	6,840.00	6,729.87	6,729.10	75.21	1.76	86.50	-1,369.85	-5,509.40	2,324.09	2,276.39	47.70	48.721		
8,500.00	6,840.00	6,730.41	6,729.64	77.34	1.76	86.64	-1,369.85	-5,509.40	2,224.59	2,176.50	48.09	46.258		
8,600.00	6,840.00	6,730.95	6,730.18	79.51	1.76	86.77	-1,369.85	-5,509.40	2,125.14	2,076.62	48.52	43.802		
8,700.00	6,840.00	6,731.50	6,730.72	81.72	1.76	86.91	-1,369.85	-5,509.41	2,025.75	1,976.76	48.99	41.352		
8,800.00	6,840.00	6,732.04	6,731.27	83.95	1.76	87.05	-1,369.85	-5,509.41	1,926.41	1,876.90	49.51	38.911		
8,900.00	6,840.00	6,732.59	6,731.82	86.22	1.76	87.18	-1,369.84	-5,509.41	1,827.15	1,777.06	50.09	36.479		
9,000.00	6,840.00	6,733.14	6,732.37	88.51	1.76	87.32	-1,369.84	-5,509.42	1,727.97	1,677.24	50.74	34.057		
9,100.00	6,840.00	6,733.70	6,732.92	90.83	1.76	87.46	-1,369.84	-5,509.42	1,628.90	1,577.43	51.47	31.647		
9,200.00	6,840.00	6,734.25	6,733.48	93.16	1.76	87.60	-1,369.84	-5,509.42	1,529.94	1,477.64	52.30	29.251		
9,300.00	6,840.00	6,734.81	6,734.04	95.52	1.76	87.74	-1,369.84	-5,509.43	1,431.13	1,377.87	53.26	26.871		
9,400.00	6,840.00	6,735.37	6,734.60	97.90	1.76	87.88	-1,369.83	-5,509.43	1,332.50	1,278.14	54.36	24.511		
9,500.00	6,840.00	6,735.94	6,735.16	100.30	1.76	88.03	-1,369.83	-5,509.43	1,234.08	1,178.43	55.65	22.175		
9,600.00	6,840.00	6,736.51	6,735.73	102.72	1.76	88.17	-1,369.83	-5,509.44	1,135.95	1,078.77	57.18	19.868		
9,700.00	6,840.00	6,737.08	6,736.30	105.15	1.76	88.31	-1,369.83	-5,509.44	1,038.16	979.16	59.00	17.596		
9,800.00	6,840.00	6,737.65	6,736.87	107.59	1.76	88.46	-1,369.83	-5,509.44	940.85	879.63	61.22	15.369		
9,900.00	6,840.00	6,738.23	6,737.45	110.05	1.76	88.60	-1,369.82	-5,509.45	844.16	780.20	63.96	13.198		
10,000.00	6,840.00	6,738.80	6,738.03	112.52	1.76	88.75	-1,369.82	-5,509.45	748.34	680.92	67.42	11.099		
10,100.00	6,840.00	6,739.39	6,738.61	115.00	1.76	88.89	-1,369.82	-5,509.45	653.78	581.89	71.89	9.095		
10,200.00	6,840.00	6,739.97	6,739.19	117.50	1.76	89.04	-1,369.82	-5,509.46	561.10	483.33	77.77	7.215		
10,300.00	6,840.00	6,740.56	6,739.78	120.00	1.76	89.19	-1,369.82	-5,509.46	471.42	385.71	85.71	5.500		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-16 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 101-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,840.00	6,741.15	6,740.37	122.51	1.76	89.34	-1,369.81	-5,509.46	386.84	290.32	96.52	4.008		
10,500.00	6,840.00	6,741.74	6,740.97	125.04	1.76	89.49	-1,369.81	-5,509.47	311.53	200.84	110.70	2.814		
10,600.00	6,840.00	6,742.34	6,741.56	127.57	1.76	89.64	-1,369.81	-5,509.47	253.88	128.19	125.69	2.020		
10,700.00	6,840.00	6,742.93	6,742.16	130.11	1.76	89.79	-1,369.81	-5,509.47	227.73	97.29	130.45	1.746 ES, SF		
10,712.98	6,840.00	6,743.01	6,742.24	130.44	1.76	89.81	-1,369.81	-5,509.47	227.36	97.82	129.54	1.755 CC		
10,800.00	6,840.00	6,743.54	6,742.76	132.66	1.76	89.94	-1,369.81	-5,509.48	243.44	128.58	114.86	2.119		
10,900.00	6,840.00	6,744.14	6,743.37	135.21	1.76	90.09	-1,369.80	-5,509.48	294.39	203.52	90.87	3.240		
11,000.00	6,840.00	6,744.75	6,743.97	137.77	1.76	90.25	-1,369.80	-5,509.49	366.16	294.79	71.37	5.131		
11,100.00	6,840.00	6,745.36	6,744.59	140.34	1.76	90.40	-1,369.80	-5,509.49	448.86	390.63	58.23	7.709		
11,200.00	6,840.00	6,745.97	6,745.20	142.91	1.76	90.55	-1,369.80	-5,509.49	537.47	487.66	49.81	10.790		
11,300.00	6,840.00	6,746.59	6,745.82	145.49	1.76	90.71	-1,369.80	-5,509.50	629.50	585.02	44.48	14.151		
11,400.00	6,840.00	6,747.21	6,746.44	148.07	1.76	90.87	-1,369.79	-5,509.50	723.65	682.52	41.13	17.595		
11,500.00	6,840.00	6,747.84	6,747.06	150.66	1.76	91.02	-1,369.79	-5,509.50	819.19	780.16	39.03	20.988		
11,600.00	6,840.00	6,748.46	6,747.69	153.25	1.76	91.18	-1,369.79	-5,509.51	915.68	877.94	37.73	24.266		
11,700.00	6,840.00	6,749.09	6,748.32	155.85	1.76	91.34	-1,369.79	-5,509.51	1,012.85	975.90	36.95	27.409		
11,800.00	6,840.00	6,749.72	6,748.95	158.45	1.76	91.50	-1,369.78	-5,509.52	1,110.52	1,074.02	36.51	30.420		
11,900.00	6,840.00	6,750.36	6,749.59	161.06	1.76	91.66	-1,369.78	-5,509.52	1,208.58	1,172.30	36.28	33.316		
12,000.00	6,840.00	6,751.00	6,750.23	163.67	1.76	91.82	-1,369.78	-5,509.52	1,306.92	1,270.73	36.19	36.113		
12,100.00	6,840.00	6,751.64	6,750.87	166.28	1.76	91.98	-1,369.78	-5,509.53	1,405.51	1,369.31	36.20	38.829		
12,200.00	6,840.00	6,752.29	6,751.51	168.90	1.76	92.14	-1,369.78	-5,509.53	1,504.27	1,468.01	36.27	41.477		
12,300.00	6,840.00	6,752.94	6,752.16	171.52	1.76	92.31	-1,369.77	-5,509.54	1,603.19	1,566.82	36.38	44.070		
12,400.00	6,840.00	6,753.59	6,752.82	174.15	1.76	92.47	-1,369.77	-5,509.54	1,702.24	1,665.72	36.52	46.616		
12,500.00	6,840.00	6,754.25	6,753.47	176.77	1.76	92.64	-1,369.77	-5,509.54	1,801.39	1,764.72	36.67	49.124		
12,600.00	6,840.00	6,754.91	6,754.13	179.40	1.76	92.80	-1,369.77	-5,509.55	1,900.63	1,863.80	36.83	51.599		
12,700.00	6,840.00	6,755.57	6,754.80	182.04	1.76	92.97	-1,369.77	-5,509.55	1,999.95	1,962.94	37.00	54.047		
12,800.00	6,840.00	6,756.24	6,755.46	184.67	1.76	93.14	-1,369.76	-5,509.56	2,099.33	2,062.15	37.18	56.470		
12,900.00	6,840.00	6,756.91	6,756.13	187.31	1.76	93.30	-1,369.76	-5,509.56	2,198.76	2,161.42	37.35	58.872		
13,000.00	6,840.00	6,757.58	6,756.81	189.95	1.76	93.47	-1,369.76	-5,509.56	2,298.25	2,260.73	37.52	61.255		
13,100.00	6,840.00	6,758.26	6,757.48	192.59	1.76	93.64	-1,369.76	-5,509.57	2,397.78	2,360.09	37.69	63.621		
13,200.00	6,840.00	6,758.94	6,758.16	195.24	1.76	93.81	-1,369.76	-5,509.57	2,497.34	2,459.49	37.85	65.972		
13,300.00	6,840.00	6,759.62	6,758.85	197.88	1.76	93.99	-1,369.75	-5,509.58	2,596.94	2,558.92	38.02	68.308		
13,400.00	6,840.00	6,760.31	6,759.54	200.53	1.76	94.16	-1,369.75	-5,509.58	2,696.57	2,658.39	38.18	70.632		
13,500.00	6,840.00	6,761.00	6,760.23	203.18	1.76	94.33	-1,369.75	-5,509.59	2,796.22	2,757.89	38.33	72.944		
13,600.00	6,840.00	6,761.70	6,760.92	205.83	1.76	94.51	-1,369.75	-5,509.59	2,895.90	2,857.42	38.49	75.244		
13,700.00	6,840.00	6,762.40	6,761.62	208.49	1.76	94.68	-1,369.74	-5,509.60	2,995.60	2,956.97	38.64	77.533		
13,800.00	6,840.00	6,763.10	6,762.32	211.14	1.76	94.86	-1,369.74	-5,509.60	3,095.32	3,056.54	38.78	79.812		
13,900.00	6,840.00	6,763.81	6,763.03	213.80	1.76	95.03	-1,369.74	-5,509.60	3,195.06	3,156.13	38.93	82.081		
14,000.00	6,840.00	6,764.52	6,763.74	216.46	1.76	95.21	-1,369.74	-5,509.61	3,294.81	3,255.74	39.07	84.341		
14,100.00	6,840.00	6,765.23	6,764.46	219.12	1.76	95.39	-1,369.74	-5,509.61	3,394.58	3,355.37	39.20	86.591		
14,200.00	6,840.00	6,765.95	6,765.17	221.78	1.76	95.57	-1,369.73	-5,509.62	3,494.36	3,455.02	39.34	88.832		
14,300.00	6,840.00	6,766.67	6,765.90	224.45	1.76	95.75	-1,369.73	-5,509.62	3,594.15	3,554.68	39.47	91.064		
14,400.00	6,840.00	6,767.40	6,766.62	227.11	1.76	95.93	-1,369.73	-5,509.63	3,693.95	3,654.35	39.60	93.288		
14,500.00	6,840.00	6,768.13	6,767.35	229.78	1.76	96.11	-1,369.73	-5,509.63	3,793.76	3,754.04	39.72	95.502		
14,600.00	6,840.00	6,768.86	6,768.09	232.45	1.76	96.29	-1,369.72	-5,509.64	3,893.59	3,853.74	39.85	97.709		
14,700.00	6,840.00	6,769.60	6,768.82	235.12	1.76	96.48	-1,369.72	-5,509.64	3,993.42	3,953.45	39.97	99.907		
14,800.00	6,840.00	6,770.34	6,769.57	237.79	1.76	96.66	-1,369.72	-5,509.65	4,093.26	4,053.17	40.09	102.097		
14,900.00	6,840.00	6,771.09	6,770.31	240.46	1.76	96.85	-1,369.72	-5,509.65	4,193.10	4,152.89	40.21	104.278		
15,000.00	6,840.00	6,771.84	6,771.06	243.13	1.77	97.03	-1,369.72	-5,509.66	4,292.96	4,252.63	40.33	106.452		
15,100.00	6,840.00	6,772.59	6,771.82	245.80	1.77	97.22	-1,369.71	-5,509.66	4,392.82	4,352.38	40.44	108.617		
15,200.00	6,840.00	6,773.35	6,772.58	248.48	1.77	97.41	-1,369.71	-5,509.67	4,492.69	4,452.13	40.56	110.774		
15,300.00	6,840.00	6,774.11	6,773.34	251.15	1.77	97.60	-1,369.71	-5,509.67	4,592.56	4,551.89	40.67	112.923		
15,400.00	6,840.00	6,774.88	6,774.11	253.83	1.77	97.79	-1,369.71	-5,509.68	4,692.44	4,651.65	40.78	115.065		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-16 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 101-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	6,840.00	6,775.65	6,774.88	256.51	1.77	97.98	-1,369.70	-5,509.68	4,792.32	4,751.43	40.89	117.198		
15,600.00	6,840.00	6,776.43	6,775.65	259.19	1.77	98.17	-1,369.70	-5,509.69	4,892.21	4,851.21	41.00	119.323		
15,700.00	6,840.00	6,777.21	6,776.43	261.87	1.77	98.36	-1,369.70	-5,509.69	4,992.10	4,950.99	41.11	121.441		
15,800.00	6,840.00	6,778.00	6,777.22	264.55	1.77	98.56	-1,369.70	-5,509.70	5,091.99	5,050.78	41.21	123.550		
15,900.00	6,840.00	6,778.78	6,778.01	267.23	1.77	98.75	-1,369.69	-5,509.70	5,191.89	5,150.57	41.32	125.652		
16,000.00	6,840.00	6,779.58	6,778.80	269.91	1.77	98.94	-1,369.69	-5,509.71	5,291.80	5,250.37	41.42	127.745		
16,100.00	6,840.00	6,780.38	6,779.60	272.59	1.77	99.14	-1,369.69	-5,509.72	5,391.70	5,350.18	41.53	129.831		
16,200.00	6,840.00	6,781.18	6,780.40	275.28	1.77	99.34	-1,369.69	-5,509.72	5,491.61	5,449.98	41.63	131.909		
16,300.00	6,840.00	6,781.99	6,781.21	277.96	1.77	99.54	-1,369.69	-5,509.73	5,591.53	5,549.79	41.73	133.979		
16,400.00	6,840.00	6,782.80	6,782.02	280.64	1.77	99.73	-1,369.68	-5,509.73	5,691.44	5,649.61	41.84	136.041		
16,500.00	6,840.00	6,783.62	6,782.84	283.33	1.77	99.93	-1,369.68	-5,509.74	5,791.36	5,749.43	41.94	138.095		
16,600.00	6,840.00	6,784.44	6,783.66	286.02	1.77	100.13	-1,369.68	-5,509.74	5,891.28	5,849.25	42.04	140.141		
16,700.00	6,840.00	6,785.27	6,784.49	288.70	1.77	100.34	-1,369.68	-5,509.75	5,991.21	5,949.07	42.14	142.179		
16,800.00	6,840.00	6,786.10	6,785.32	291.39	1.77	100.54	-1,369.67	-5,509.76	6,091.14	6,048.90	42.24	144.210		
16,900.00	6,840.00	6,786.93	6,786.16	294.08	1.77	100.74	-1,369.67	-5,509.76	6,191.06	6,148.73	42.34	146.232		
17,000.00	6,840.00	6,787.77	6,787.00	296.77	1.77	100.95	-1,369.67	-5,509.77	6,291.00	6,248.56	42.44	148.247		
17,100.00	6,840.00	6,788.62	6,787.84	299.46	1.77	101.15	-1,369.67	-5,509.77	6,390.93	6,348.39	42.53	150.253		
17,200.00	6,840.00	6,789.47	6,788.70	302.14	1.77	101.36	-1,369.66	-5,509.78	6,490.86	6,448.23	42.63	152.252		
17,300.00	6,840.00	6,790.33	6,789.55	304.84	1.77	101.56	-1,369.66	-5,509.79	6,590.80	6,548.07	42.73	154.242		
17,400.00	6,840.00	6,791.19	6,790.41	307.53	1.77	101.77	-1,369.66	-5,509.79	6,690.74	6,647.91	42.83	156.225		
17,500.00	6,840.00	6,792.06	6,791.28	310.22	1.77	101.98	-1,369.66	-5,509.80	6,790.68	6,747.76	42.92	158.200		
17,600.00	6,840.00	6,792.93	6,792.15	312.91	1.77	102.19	-1,369.65	-5,509.80	6,890.62	6,847.60	43.02	160.166		
17,700.00	6,840.00	6,793.80	6,793.03	315.60	1.77	102.40	-1,369.65	-5,509.81	6,990.57	6,947.45	43.12	162.125		
17,800.00	6,840.00	6,794.69	6,793.91	318.29	1.77	102.61	-1,369.65	-5,509.82	7,090.51	7,047.30	43.21	164.076		
17,900.00	6,840.00	6,795.57	6,794.80	320.99	1.77	102.83	-1,369.65	-5,509.82	7,190.46	7,147.15	43.31	166.019		
18,000.00	6,840.00	6,796.47	6,795.69	323.68	1.77	103.04	-1,369.64	-5,509.83	7,290.41	7,247.00	43.41	167.953		
18,100.00	6,840.00	6,797.37	6,796.59	326.38	1.77	103.25	-1,369.64	-5,509.84	7,390.36	7,346.85	43.50	169.880		
18,200.00	6,840.00	6,798.27	6,797.49	329.07	1.77	103.47	-1,369.64	-5,509.84	7,490.31	7,446.71	43.60	171.799		
18,300.00	6,840.00	6,799.18	6,798.40	331.77	1.77	103.69	-1,369.64	-5,509.85	7,590.26	7,546.56	43.70	173.710		
18,400.00	6,840.00	6,800.10	6,799.32	334.46	1.77	103.90	-1,369.63	-5,509.86	7,690.21	7,646.42	43.79	175.613		
18,500.00	6,840.00	6,801.06	6,800.29	337.16	1.77	104.13	-1,369.63	-5,509.86	7,790.16	7,746.28	43.89	177.507		
18,600.00	6,840.00	6,802.04	6,801.26	339.85	1.77	104.36	-1,369.63	-5,509.87	7,890.12	7,846.14	43.98	179.392		
18,700.00	6,840.00	6,803.02	6,802.24	342.55	1.77	104.59	-1,369.63	-5,509.88	7,990.08	7,946.00	44.08	181.270		
18,800.00	6,840.00	6,804.00	6,803.23	345.25	1.77	104.83	-1,369.62	-5,509.89	8,090.03	8,045.86	44.17	183.140		
18,900.00	6,840.00	6,805.00	6,804.22	347.94	1.77	105.06	-1,369.62	-5,509.89	8,189.99	8,145.72	44.27	185.002		
19,000.00	6,840.00	6,806.00	6,805.23	350.64	1.77	105.29	-1,369.62	-5,509.90	8,289.95	8,245.58	44.37	186.856		
19,100.00	6,840.00	6,807.02	6,806.24	353.34	1.77	105.53	-1,369.62	-5,509.91	8,389.91	8,345.45	44.46	188.702		
19,200.00	6,840.00	6,808.04	6,807.26	356.04	1.77	105.77	-1,369.61	-5,509.92	8,489.87	8,445.31	44.56	190.539		
19,300.00	6,840.00	6,809.07	6,808.29	358.74	1.77	106.01	-1,369.61	-5,509.92	8,589.83	8,545.18	44.65	192.369		
19,400.00	6,840.00	6,810.10	6,809.33	361.44	1.77	106.25	-1,369.61	-5,509.93	8,689.80	8,645.05	44.75	194.191		
19,500.00	6,840.00	6,811.15	6,810.37	364.13	1.77	106.49	-1,369.60	-5,509.94	8,789.76	8,744.91	44.84	196.004		
19,600.00	6,840.00	6,812.20	6,811.42	366.83	1.77	106.74	-1,369.60	-5,509.95	8,889.72	8,844.78	44.94	197.810		
19,700.00	6,840.00	6,813.26	6,812.49	369.53	1.77	106.98	-1,369.60	-5,509.96	8,989.69	8,944.65	45.04	199.608		
19,800.00	6,840.00	6,814.34	6,813.56	372.23	1.77	107.23	-1,369.60	-5,509.96	9,089.65	9,044.52	45.13	201.397		
19,900.00	6,840.00	6,815.42	6,814.64	374.94	1.77	107.47	-1,369.59	-5,509.97	9,189.62	9,144.39	45.23	203.179		
20,000.00	6,840.00	6,816.51	6,815.73	377.64	1.77	107.72	-1,369.59	-5,509.98	9,289.58	9,244.26	45.33	204.952		
20,100.00	6,840.00	6,817.60	6,816.83	380.34	1.77	107.97	-1,369.59	-5,509.99	9,389.55	9,344.13	45.42	206.718		
20,200.00	6,840.00	6,818.71	6,817.93	383.04	1.77	108.22	-1,369.58	-5,510.00	9,489.52	9,444.00	45.52	208.476		
20,300.00	6,840.00	6,819.83	6,819.05	385.74	1.77	108.48	-1,369.58	-5,510.01	9,589.49	9,543.87	45.62	210.225		
20,400.00	6,840.00	6,820.96	6,820.18	388.44	1.77	108.73	-1,369.58	-5,510.02	9,689.46	9,643.75	45.71	211.967		
20,500.00	6,840.00	6,822.09	6,821.31	391.14	1.77	108.99	-1,369.57	-5,510.03	9,789.43	9,743.62	45.81	213.701		
20,552.28	6,840.00	6,822.69	6,821.91	392.56	1.77	109.12	-1,369.57	-5,510.03	9,841.69	9,795.83	45.86	214.604		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-9 - 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	-91.28	-124.70	-5,583.26	5,585.30					
100.00	100.00	15.00	15.00	0.13	0.12	-91.28	-124.70	-5,583.26	5,584.65	5,584.40	0.25	N/A		
200.00	200.00	115.00	115.00	0.49	1.05	-91.28	-124.70	-5,583.26	5,584.65	5,583.11	1.54	3,626.169		
300.00	300.00	215.00	215.00	0.85	2.79	-91.28	-124.70	-5,583.26	5,584.65	5,581.01	3.64	1,532.604		
400.00	399.98	314.98	314.98	1.20	4.54	36.80	-124.70	-5,583.26	5,583.25	5,577.52	5.74	973.511		
500.00	499.84	414.84	414.84	1.55	6.28	36.88	-124.70	-5,583.26	5,579.06	5,571.24	7.82	713.012		
600.00	599.45	514.45	514.45	1.91	8.02	37.02	-124.70	-5,583.26	5,572.09	5,562.17	9.92	561.626		
700.00	698.70	613.70	613.70	2.29	9.75	37.21	-124.70	-5,583.26	5,562.35	5,550.32	12.02	462.648		
800.00	797.47	712.47	712.47	2.70	11.47	37.46	-124.70	-5,583.26	5,549.85	5,535.72	14.13	392.812		
900.00	895.62	810.62	810.62	3.14	13.19	37.77	-124.70	-5,583.26	5,534.63	5,518.39	16.24	340.836		
1,000.00	993.06	908.06	908.06	3.62	14.89	38.14	-124.70	-5,583.26	5,516.72	5,498.37	18.35	300.591		
1,100.00	1,089.64	1,004.64	1,004.64	4.14	16.57	38.56	-124.70	-5,583.26	5,496.16	5,475.69	20.47	268.462		
1,200.00	1,185.27	1,100.27	1,100.27	4.70	18.24	39.05	-124.70	-5,583.26	5,472.98	5,450.38	22.60	242.185		
1,300.00	1,279.82	1,205.18	1,194.82	5.31	20.07	39.60	-124.70	-5,583.26	5,447.24	5,422.33	24.91	218.663		
1,400.00	1,373.17	1,288.17	1,288.17	5.98	21.52	40.21	-124.70	-5,583.26	5,419.00	5,392.13	26.87	201.674		
1,500.00	1,465.22	1,380.22	1,380.22	6.70	23.13	40.85	-124.70	-5,583.26	5,388.31	5,359.29	29.02	185.676		
1,600.00	1,556.72	1,471.72	1,471.72	7.45	24.73	41.12	-124.70	-5,583.26	5,356.72	5,325.55	31.17	171.840		
1,700.00	1,648.21	1,563.21	1,563.21	8.21	26.32	41.40	-124.70	-5,583.26	5,325.25	5,291.91	33.34	159.727		
1,800.00	1,739.71	1,654.71	1,654.71	8.99	27.92	41.68	-124.70	-5,583.26	5,293.89	5,258.38	35.52	149.046		
1,900.00	1,831.20	1,746.20	1,746.20	9.77	29.52	41.96	-124.70	-5,583.26	5,262.66	5,224.96	37.71	139.565		
2,000.00	1,922.69	1,837.69	1,837.69	10.56	31.11	42.24	-124.70	-5,583.26	5,231.56	5,191.65	39.91	131.098		
2,100.00	2,014.19	1,929.19	1,929.19	11.35	32.71	42.53	-124.70	-5,583.26	5,200.58	5,158.47	42.11	123.494		
2,200.00	2,105.68	2,020.68	2,020.68	12.14	34.31	42.82	-124.70	-5,583.26	5,169.73	5,125.41	44.33	116.629		
2,300.00	2,197.18	2,112.18	2,112.18	12.94	35.90	43.11	-124.70	-5,583.26	5,139.02	5,092.47	46.55	110.404		
2,400.00	2,288.67	2,203.67	2,203.67	13.74	37.50	43.41	-124.70	-5,583.26	5,108.43	5,059.66	48.78	104.734		
2,500.00	2,380.17	2,304.83	2,295.17	14.54	39.27	43.71	-124.70	-5,583.26	5,077.99	5,026.81	51.18	99.222		
2,600.00	2,471.66	2,386.66	2,386.66	15.35	40.70	44.01	-124.70	-5,583.26	5,047.68	4,994.43	53.25	94.793		
2,700.00	2,563.16	2,478.16	2,478.16	16.15	42.29	44.32	-124.70	-5,583.26	5,017.52	4,962.02	55.50	90.413		
2,800.00	2,654.65	2,569.65	2,569.65	16.96	43.89	44.63	-124.70	-5,583.26	4,987.49	4,929.75	57.75	86.367		
2,900.00	2,746.15	2,661.15	2,661.15	17.76	45.49	44.95	-124.70	-5,583.26	4,957.62	4,897.61	60.01	82.619		
3,000.00	2,837.64	2,752.64	2,752.64	18.57	47.08	45.26	-124.70	-5,583.26	4,927.89	4,865.63	62.27	79.139		
3,100.00	2,929.14	2,844.14	2,844.14	19.38	48.68	45.59	-124.70	-5,583.26	4,898.32	4,833.78	64.54	75.898		
3,200.00	3,020.63	2,935.63	2,935.63	20.19	50.28	45.91	-124.70	-5,583.26	4,868.90	4,802.09	66.81	72.874		
3,300.00	3,112.13	3,027.13	3,027.13	21.00	51.87	46.24	-124.70	-5,583.26	4,839.64	4,770.55	69.09	70.046		
3,400.00	3,203.62	3,118.62	3,118.62	21.81	53.47	46.57	-124.70	-5,583.26	4,810.54	4,739.16	71.38	67.395		
3,500.00	3,295.12	3,210.12	3,210.12	22.63	55.07	46.91	-124.70	-5,583.26	4,781.61	4,707.94	73.67	64.907		
3,600.00	3,386.61	3,301.61	3,301.61	23.44	56.66	47.25	-124.70	-5,583.26	4,752.84	4,676.87	75.97	62.566		
3,700.00	3,478.10	3,406.90	3,393.10	24.25	58.50	47.59	-124.70	-5,583.26	4,724.24	4,645.73	78.51	60.175		
3,800.00	3,569.60	3,484.60	3,484.60	25.06	59.86	47.93	-124.70	-5,583.26	4,695.81	4,615.23	80.57	58.279		
3,900.00	3,661.09	3,576.09	3,576.09	25.88	61.45	48.29	-124.70	-5,583.26	4,667.56	4,584.67	82.89	56.312		
4,000.00	3,752.59	3,667.59	3,667.59	26.69	63.05	48.64	-124.70	-5,583.26	4,639.48	4,554.28	85.21	54.450		
4,100.00	3,844.08	3,759.08	3,759.08	27.50	64.65	49.00	-124.70	-5,583.26	4,611.59	4,524.06	87.53	52.686		
4,200.00	3,935.58	3,850.58	3,850.58	28.32	66.25	49.36	-124.70	-5,583.26	4,583.89	4,494.03	89.86	51.012		
4,300.00	4,027.07	3,942.07	3,942.07	29.13	67.84	49.73	-124.70	-5,583.26	4,556.37	4,464.18	92.19	49.421		
4,400.00	4,118.57	4,033.57	4,033.57	29.95	69.44	50.10	-124.70	-5,583.26	4,529.05	4,434.51	94.54	47.909		
4,500.00	4,210.06	4,125.06	4,125.06	30.76	71.04	50.47	-124.70	-5,583.26	4,501.92	4,405.04	96.88	46.468		
4,600.00	4,301.56	4,216.56	4,216.56	31.58	72.63	50.85	-124.70	-5,583.26	4,474.99	4,375.76	99.23	45.096		
4,700.00	4,393.05	4,308.05	4,308.05	32.39	74.23	51.23	-124.70	-5,583.26	4,448.27	4,346.68	101.59	43.786		
4,800.00	4,484.55	4,400.45	4,399.55	33.21	75.84	51.62	-124.70	-5,583.26	4,421.75	4,317.78	103.97	42.529		
4,900.00	4,576.04	4,508.96	4,491.04	34.02	77.44	52.01	-124.70	-5,583.26	4,395.44	4,288.81	106.64	41.219		
5,000.00	4,667.54	4,582.54	4,582.54	34.84	79.02	52.41	-124.70	-5,583.26	4,369.35	4,260.65	108.70	40.197		
5,100.00	4,759.03	4,674.03	4,674.03	35.65	80.62	52.81	-124.70	-5,583.26	4,343.47	4,232.40	111.08	39.103		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-9 - 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	4,850.53	4,765.53	4,765.53	36.47	82.21	53.21	-124.70	-5,583.26	4,317.82	4,204.36	113.46	38.055		
5,300.00	4,942.02	4,857.02	4,857.02	37.28	83.81	53.62	-124.70	-5,583.26	4,292.40	4,176.54	115.85	37.050		
5,400.00	5,033.51	4,948.51	4,948.51	38.10	85.41	54.03	-124.70	-5,583.26	4,267.20	4,148.95	118.25	36.086		
5,500.00	5,125.01	5,040.01	5,040.01	38.92	87.00	54.45	-124.70	-5,583.26	4,242.24	4,121.58	120.65	35.160		
5,600.00	5,216.50	5,131.50	5,131.50	39.73	88.60	54.87	-124.70	-5,583.26	4,217.51	4,094.45	123.06	34.271		
5,700.00	5,308.00	5,223.00	5,223.00	40.55	90.20	55.29	-124.70	-5,583.26	4,193.03	4,067.56	125.48	33.417		
5,800.00	5,399.49	5,314.49	5,314.49	41.36	91.80	55.72	-124.70	-5,583.26	4,168.80	4,040.90	127.90	32.595		
5,900.00	5,490.99	5,405.99	5,405.99	42.18	93.39	56.16	-124.70	-5,583.26	4,144.82	4,014.49	130.32	31.804		
6,000.00	5,582.48	5,502.52	5,497.48	43.00	95.08	56.60	-124.70	-5,583.26	4,121.09	3,988.25	132.84	31.023		
6,100.00	5,673.98	5,588.98	5,588.98	43.81	96.59	57.04	-124.70	-5,583.26	4,097.62	3,962.43	135.19	30.310		
6,200.00	5,765.47	5,680.47	5,680.47	44.63	98.18	57.49	-124.70	-5,583.26	4,074.42	3,936.79	137.63	29.604		
6,300.00	5,856.97	5,771.97	5,771.97	45.45	99.78	57.94	-124.70	-5,583.26	4,051.49	3,911.41	140.08	28.923		
6,400.00	5,948.46	5,863.46	5,863.46	46.26	101.38	58.40	-124.70	-5,583.26	4,028.83	3,886.29	142.53	28.266		
6,500.00	6,039.96	5,954.96	5,954.96	47.08	102.97	58.86	-124.70	-5,583.26	4,006.45	3,861.45	144.99	27.632		
6,600.00	6,131.45	6,046.45	6,046.45	47.90	104.57	59.32	-124.70	-5,583.26	3,984.35	3,836.89	147.45	27.021		
6,700.00	6,222.95	6,137.95	6,137.95	48.71	106.17	59.79	-124.70	-5,583.26	3,962.54	3,812.61	149.92	26.431		
6,800.00	6,314.44	6,229.44	6,229.44	49.53	107.76	60.27	-124.70	-5,583.26	3,941.02	3,788.62	152.40	25.860		
6,900.00	6,405.93	6,320.93	6,320.93	50.35	109.36	60.75	-124.70	-5,583.26	3,919.80	3,764.92	154.88	25.309		
7,000.00	6,497.01	6,412.01	6,412.01	51.18	110.95	61.23	-124.70	-5,583.26	3,897.71	3,740.35	157.36	24.769		
7,100.00	6,588.50	6,503.50	6,497.62	52.00	112.53	61.70	-124.70	-5,583.26	3,876.34	3,716.40	159.84	24.155		
7,200.00	6,679.99	6,594.99	6,594.99	52.82	114.12	62.17	-124.70	-5,583.26	3,854.97	3,692.47	162.30	23.504		
7,300.00	6,771.48	6,686.48	6,686.48	53.64	115.71	62.64	-124.70	-5,583.26	3,833.60	3,668.64	164.76	22.853		
7,400.00	6,862.97	6,777.97	6,777.97	54.46	117.30	63.11	-124.70	-5,583.26	3,812.23	3,644.81	167.22	22.202		
7,500.00	6,954.46	6,869.46	6,869.46	55.28	118.89	63.58	-124.70	-5,583.26	3,790.86	3,621.00	169.68	21.551		
7,600.00	7,045.95	6,960.95	6,960.95	56.10	120.48	64.05	-124.70	-5,583.26	3,769.49	3,597.17	172.14	20.900		
7,700.00	7,137.44	7,052.44	7,052.44	56.92	122.07	64.52	-124.70	-5,583.26	3,748.12	3,573.34	174.60	20.249		
7,800.00	7,228.93	7,143.93	7,143.93	57.74	123.66	64.99	-124.70	-5,583.26	3,726.75	3,549.51	177.06	19.598		
7,900.00	7,320.42	7,235.42	7,235.42	58.56	125.25	65.46	-124.70	-5,583.26	3,705.38	3,525.68	179.52	18.947		
8,000.00	7,411.91	7,326.91	7,326.91	59.38	126.84	65.93	-124.70	-5,583.26	3,684.01	3,501.85	181.98	18.296		
8,100.00	7,503.40	7,417.40	7,417.40	60.20	128.43	66.40	-124.70	-5,583.26	3,662.64	3,478.02	184.44	17.645		
8,200.00	7,594.89	7,509.89	7,509.89	61.02	130.02	66.87	-124.70	-5,583.26	3,641.27	3,454.19	186.90	16.994		
8,300.00	7,686.38	7,601.38	7,601.38	61.84	131.61	67.34	-124.70	-5,583.26	3,619.90	3,430.36	189.36	16.343		
8,400.00	7,777.87	7,692.87	7,692.87	62.66	133.20	67.81	-124.70	-5,583.26	3,598.53	3,406.53	191.82	15.692		
8,500.00	7,869.36	7,784.36	7,784.36	63.48	134.79	68.28	-124.70	-5,583.26	3,577.16	3,382.70	194.28	15.041		
8,600.00	7,960.85	7,875.85	7,875.85	64.30	136.38	68.75	-124.70	-5,583.26	3,555.79	3,358.87	196.74	14.390		
8,700.00	8,052.34	7,966.34	7,966.34	65.12	137.97	69.22	-124.70	-5,583.26	3,534.42	3,335.04	199.20	13.739		
8,800.00	8,143.83	8,057.83	8,057.83	65.94	139.56	69.69	-124.70	-5,583.26	3,513.05	3,311.21	201.66	13.088		
8,900.00	8,235.32	8,149.32	8,149.32	66.76	141.15	70.16	-124.70	-5,583.26	3,491.68	3,287.38	204.12	12.437		
9,000.00	8,326.81	8,240.81	8,240.81	67.58	142.74	70.63	-124.70	-5,583.26	3,470.31	3,263.55	206.58	11.786		
9,100.00	8,418.30	8,332.30	8,332.30	68.40	144.33	71.10	-124.70	-5,583.26	3,448.94	3,239.72	209.04	11.135		
9,200.00	8,509.79	8,423.79	8,423.79	69.22	145.92	71.57	-124.70	-5,583.26	3,427.57	3,215.89	211.50	10.484		
9,300.00	8,601.28	8,515.28	8,515.28	70.04	147.51	72.04	-124.70	-5,583.26	3,406.20	3,192.06	213.96	9.833		
9,400.00	8,692.77	8,606.77	8,606.77	70.86	149.10	72.51	-124.70	-5,583.26	3,384.83	3,168.23	216.42	9.182		
9,500.00	8,784.26	8,698.26	8,698.26	71.68	150.69	72.98	-124.70	-5,583.26	3,363.46	3,144.40	218.88	8.531		
9,600.00	8,875.75	8,789.75	8,789.75	72.50	152.28	73.45	-124.70	-5,583.26	3,342.09	3,120.57	221.34	7.880		
9,700.00	8,967.24	8,881.24	8,881.24	73.32	153.87	73.92	-124.70	-5,583.26	3,320.72	3,096.74	223.80	7.229		
9,800.00	9,058.73	8,972.73	8,972.73	74.14	155.46	74.39	-124.70	-5,583.26	3,299.35	3,072.91	226.26	6.578		
9,900.00	9,150.22	9,064.22	9,064.22	74.96	157.05	74.86	-124.70	-5,583.26	3,277.98	3,049.08	228.72	5.927		
10,000.00	9,241.71	9,155.71	9,155.71	75.78	158.64	75.33	-124.70	-5,583.26	3,256.61	3,025.25	231.18	5.276		
10,100.00	9,333.20	9,247.20	9,247.20	76.60	160.23	75.80	-124.70	-5,583.26	3,235.24	3,001.42	233.64	4.625		
10,200.00	9,424.69	9,338.69	9,338.69	77.42	161.82	76.27	-124.70	-5,583.26	3,213.87	2,977.59	236.10	3.974		
10,300.00	9,516.18	9,430.18	9,430.18	78.24	163.41	76.74	-124.70	-5,583.26	3,192.50	2,953.76	238.56	3.323		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-9 - 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		
10,400.00	6,840.00	6,755.00	6,755.00	122.51	116.94	90.00	-124.70	-5,583.26	1,523.60	1,284.22	239.38	6.365		
10,500.00	6,840.00	6,755.00	6,755.00	125.04	116.94	90.00	-124.70	-5,583.26	1,500.93	1,258.99	241.94	6.204		
10,600.00	6,840.00	6,755.00	6,755.00	127.57	116.94	90.00	-124.70	-5,583.26	1,484.67	1,240.58	244.09	6.083		
10,700.00	6,840.00	6,755.00	6,755.00	130.11	116.94	90.00	-124.70	-5,583.26	1,475.02	1,229.27	245.75	6.002		
10,792.81	6,840.00	6,755.00	6,755.00	132.47	116.94	90.00	-124.70	-5,583.26	1,472.10	1,225.28	246.81	5.964 CC		
10,800.00	6,840.00	6,755.00	6,755.00	132.66	116.94	90.00	-124.70	-5,583.26	1,472.11	1,225.24	246.88	5.963 ES, SF		
10,900.00	6,840.00	6,755.00	6,755.00	135.21	116.94	90.00	-124.70	-5,583.26	1,475.99	1,228.53	247.46	5.965		
11,000.00	6,840.00	6,755.00	6,755.00	137.77	116.94	90.00	-124.70	-5,583.26	1,486.60	1,239.12	247.49	6.007		
11,100.00	6,840.00	6,755.00	6,755.00	140.34	116.94	90.00	-124.70	-5,583.26	1,503.80	1,256.81	246.99	6.089		
11,200.00	6,840.00	6,755.00	6,755.00	142.91	116.94	90.00	-124.70	-5,583.26	1,527.37	1,281.36	246.01	6.209		
11,300.00	6,840.00	6,755.00	6,755.00	145.49	116.94	90.00	-124.70	-5,583.26	1,557.02	1,312.42	244.60	6.366		
11,400.00	6,840.00	6,755.00	6,755.00	148.07	116.94	90.00	-124.70	-5,583.26	1,592.40	1,349.57	242.83	6.558		
11,500.00	6,840.00	6,755.00	6,755.00	150.66	116.94	90.00	-124.70	-5,583.26	1,633.15	1,392.39	240.76	6.783		
11,600.00	6,840.00	6,755.00	6,755.00	153.25	116.94	90.00	-124.70	-5,583.26	1,678.87	1,440.40	238.48	7.040		
11,700.00	6,840.00	6,755.00	6,755.00	155.85	116.94	90.00	-124.70	-5,583.26	1,729.18	1,493.15	236.03	7.326		
11,800.00	6,840.00	6,755.00	6,755.00	158.45	116.94	90.00	-124.70	-5,583.26	1,783.67	1,550.19	233.48	7.640		
11,900.00	6,840.00	6,755.00	6,755.00	161.06	116.94	90.00	-124.70	-5,583.26	1,841.99	1,611.11	230.88	7.978		
12,000.00	6,840.00	6,755.00	6,755.00	163.67	116.94	90.00	-124.70	-5,583.26	1,903.78	1,675.51	228.26	8.340		
12,100.00	6,840.00	6,755.00	6,755.00	166.28	116.94	90.00	-124.70	-5,583.26	1,968.70	1,743.04	225.66	8.724		
12,200.00	6,840.00	6,755.00	6,755.00	168.90	116.94	90.00	-124.70	-5,583.26	2,036.48	1,813.36	223.11	9.128		
12,300.00	6,840.00	6,755.00	6,755.00	171.52	116.94	90.00	-124.70	-5,583.26	2,106.82	1,886.19	220.62	9.549		
12,400.00	6,840.00	6,755.00	6,755.00	174.15	116.94	90.00	-124.70	-5,583.26	2,179.47	1,961.26	218.21	9.988		
12,500.00	6,840.00	6,755.00	6,755.00	176.77	116.94	90.00	-124.70	-5,583.26	2,254.23	2,038.34	215.89	10.442		
12,600.00	6,840.00	6,755.00	6,755.00	179.40	116.94	90.00	-124.70	-5,583.26	2,330.88	2,117.22	213.66	10.909		
12,700.00	6,840.00	6,755.00	6,755.00	182.04	116.94	90.00	-124.70	-5,583.26	2,409.24	2,197.71	211.52	11.390		
12,800.00	6,840.00	6,755.00	6,755.00	184.67	116.94	90.00	-124.70	-5,583.26	2,489.15	2,279.67	209.48	11.882		
12,900.00	6,840.00	6,755.00	6,755.00	187.31	116.94	90.00	-124.70	-5,583.26	2,570.47	2,362.93	207.54	12.385		
13,000.00	6,840.00	6,755.00	6,755.00	189.95	116.94	90.00	-124.70	-5,583.26	2,653.06	2,447.37	205.69	12.898		
13,100.00	6,840.00	6,755.00	6,755.00	192.59	116.94	90.00	-124.70	-5,583.26	2,736.82	2,532.88	203.93	13.420		
13,200.00	6,840.00	6,755.00	6,755.00	195.24	116.94	90.00	-124.70	-5,583.26	2,821.63	2,619.37	202.26	13.950		
13,300.00	6,840.00	6,755.00	6,755.00	197.88	116.94	90.00	-124.70	-5,583.26	2,907.41	2,706.73	200.68	14.488		
13,400.00	6,840.00	6,755.00	6,755.00	200.53	116.94	90.00	-124.70	-5,583.26	2,994.07	2,794.90	199.18	15.032		
13,500.00	6,840.00	6,755.00	6,755.00	203.18	116.94	90.00	-124.70	-5,583.26	3,081.54	2,883.79	197.75	15.583		
13,600.00	6,840.00	6,755.00	6,755.00	205.83	116.94	90.00	-124.70	-5,583.26	3,169.76	2,973.36	196.40	16.140		
13,700.00	6,840.00	6,755.00	6,755.00	208.49	116.94	90.00	-124.70	-5,583.26	3,258.65	3,063.53	195.11	16.701		
13,800.00	6,840.00	6,755.00	6,755.00	211.14	116.94	90.00	-124.70	-5,583.26	3,348.17	3,154.27	193.90	17.268		
13,900.00	6,840.00	6,755.00	6,755.00	213.80	116.94	90.00	-124.70	-5,583.26	3,438.26	3,245.52	192.74	17.839		
14,000.00	6,840.00	6,755.00	6,755.00	216.46	116.94	90.00	-124.70	-5,583.26	3,528.90	3,337.25	191.65	18.414		
14,100.00	6,840.00	6,755.00	6,755.00	219.12	116.94	90.00	-124.70	-5,583.26	3,620.02	3,429.41	190.60	18.992		
14,200.00	6,840.00	6,755.00	6,755.00	221.78	116.94	90.00	-124.70	-5,583.26	3,711.60	3,521.98	189.62	19.574		
14,300.00	6,840.00	6,755.00	6,755.00	224.45	116.94	90.00	-124.70	-5,583.26	3,803.61	3,614.93	188.68	20.159		
14,400.00	6,840.00	6,755.00	6,755.00	227.11	116.94	90.00	-124.70	-5,583.26	3,896.00	3,708.22	187.78	20.747		
14,500.00	6,840.00	6,755.00	6,755.00	229.78	116.94	90.00	-124.70	-5,583.26	3,988.77	3,801.83	186.94	21.338		
14,600.00	6,840.00	6,755.00	6,755.00	232.45	116.94	90.00	-124.70	-5,583.26	4,081.88	3,895.75	186.13	21.930		
14,700.00	6,840.00	6,755.00	6,755.00	235.12	116.94	90.00	-124.70	-5,583.26	4,175.30	3,989.94	185.36	22.525		
14,800.00	6,840.00	6,755.00	6,755.00	237.79	116.94	90.00	-124.70	-5,583.26	4,269.03	4,084.40	184.63	23.122		
14,900.00	6,840.00	6,755.00	6,755.00	240.46	116.94	90.00	-124.70	-5,583.26	4,363.03	4,179.10	183.93	23.721		
15,000.00	6,840.00	6,755.00	6,755.00	243.13	116.94	90.00	-124.70	-5,583.26	4,457.29	4,274.03	183.27	24.321		
15,100.00	6,840.00	6,755.00	6,755.00	245.80	116.94	90.00	-124.70	-5,583.26	4,551.80	4,369.17	182.64	24.923		
15,200.00	6,840.00	6,755.00	6,755.00	248.48	116.94	90.00	-124.70	-5,583.26	4,646.54	4,464.51	182.03	25.526		
15,300.00	6,840.00	6,755.00	6,755.00	251.15	116.94	90.00	-124.70	-5,583.26	4,741.50	4,560.04	181.46	26.130		
15,400.00	6,840.00	6,755.00	6,755.00	253.83	116.94	90.00	-124.70	-5,583.26	4,836.65	4,655.74	180.91	26.735		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT BEEBE DRAW R G 26-9 - 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		
15,500.00	6,840.00	6,755.00	6,755.00	256.51	116.94	90.00	-124.70	-5,583.26	4,932.00	4,751.62	180.39	27.341		
15,600.00	6,840.00	6,755.00	6,755.00	259.19	116.94	90.00	-124.70	-5,583.26	5,027.53	4,847.65	179.89	27.948		
15,700.00	6,840.00	6,755.00	6,755.00	261.87	116.94	90.00	-124.70	-5,583.26	5,123.23	4,943.83	179.41	28.556		
15,800.00	6,840.00	6,755.00	6,755.00	264.55	116.94	90.00	-124.70	-5,583.26	5,219.10	5,040.14	178.95	29.165		
15,900.00	6,840.00	6,755.00	6,755.00	267.23	116.94	90.00	-124.70	-5,583.26	5,315.11	5,136.59	178.52	29.774		
16,000.00	6,840.00	6,755.00	6,755.00	269.91	116.94	90.00	-124.70	-5,583.26	5,411.27	5,233.17	178.10	30.383		
16,100.00	6,840.00	6,755.00	6,755.00	272.59	116.94	90.00	-124.70	-5,583.26	5,507.57	5,329.86	177.70	30.993		
16,200.00	6,840.00	6,755.00	6,755.00	275.28	116.94	90.00	-124.70	-5,583.26	5,603.99	5,426.67	177.32	31.604		
16,300.00	6,840.00	6,755.00	6,755.00	277.96	116.94	90.00	-124.70	-5,583.26	5,700.54	5,523.58	176.96	32.214		
16,400.00	6,840.00	6,755.00	6,755.00	280.64	116.94	90.00	-124.70	-5,583.26	5,797.21	5,620.60	176.61	32.825		
16,500.00	6,840.00	6,755.00	6,755.00	283.33	116.94	90.00	-124.70	-5,583.26	5,893.98	5,717.71	176.28	33.436		
16,600.00	6,840.00	6,755.00	6,755.00	286.02	116.94	90.00	-124.70	-5,583.26	5,990.87	5,814.91	175.96	34.047		
16,700.00	6,840.00	6,755.00	6,755.00	288.70	116.94	90.00	-124.70	-5,583.26	6,087.85	5,912.20	175.65	34.659		
16,800.00	6,840.00	6,755.00	6,755.00	291.39	116.94	90.00	-124.70	-5,583.26	6,184.93	6,009.57	175.36	35.270		
16,900.00	6,840.00	6,755.00	6,755.00	294.08	116.94	90.00	-124.70	-5,583.26	6,282.10	6,107.02	175.08	35.881		
17,000.00	6,840.00	6,755.00	6,755.00	296.77	116.94	90.00	-124.70	-5,583.26	6,379.36	6,204.55	174.81	36.493		
17,100.00	6,840.00	6,755.00	6,755.00	299.46	116.94	90.00	-124.70	-5,583.26	6,476.70	6,302.14	174.56	37.104		
17,200.00	6,840.00	6,755.00	6,755.00	302.14	116.94	90.00	-124.70	-5,583.26	6,574.12	6,399.81	174.31	37.715		
17,300.00	6,840.00	6,755.00	6,755.00	304.84	116.94	90.00	-124.70	-5,583.26	6,671.62	6,497.55	174.08	38.326		
17,400.00	6,840.00	6,755.00	6,755.00	307.53	116.94	90.00	-124.70	-5,583.26	6,769.19	6,595.34	173.85	38.937		
17,500.00	6,840.00	6,755.00	6,755.00	310.22	116.94	90.00	-124.70	-5,583.26	6,866.83	6,693.20	173.64	39.547		
17,600.00	6,840.00	6,755.00	6,755.00	312.91	116.94	90.00	-124.70	-5,583.26	6,964.54	6,791.11	173.43	40.158		
17,700.00	6,840.00	6,755.00	6,755.00	315.60	116.94	90.00	-124.70	-5,583.26	7,062.31	6,889.08	173.23	40.768		
17,800.00	6,840.00	6,755.00	6,755.00	318.29	116.94	90.00	-124.70	-5,583.26	7,160.15	6,987.10	173.04	41.377		
17,900.00	6,840.00	6,755.00	6,755.00	320.99	116.94	90.00	-124.70	-5,583.26	7,258.04	7,085.18	172.86	41.987		
18,000.00	6,840.00	6,755.00	6,755.00	323.68	116.94	90.00	-124.70	-5,583.26	7,355.99	7,183.30	172.69	42.596		
18,100.00	6,840.00	6,755.00	6,755.00	326.38	116.94	90.00	-124.70	-5,583.26	7,453.99	7,281.47	172.53	43.205		
18,200.00	6,840.00	6,755.00	6,755.00	329.07	116.94	90.00	-124.70	-5,583.26	7,552.05	7,379.68	172.37	43.813		
18,300.00	6,840.00	6,755.00	6,755.00	331.77	116.94	90.00	-124.70	-5,583.26	7,650.16	7,477.94	172.22	44.421		
18,400.00	6,840.00	6,755.00	6,755.00	334.46	116.94	90.00	-124.70	-5,583.26	7,748.31	7,576.24	172.07	45.029		
18,500.00	6,840.00	6,755.00	6,755.00	337.16	116.94	90.00	-124.70	-5,583.26	7,846.51	7,674.58	171.94	45.636		
18,600.00	6,840.00	6,755.00	6,755.00	339.85	116.94	90.00	-124.70	-5,583.26	7,944.76	7,772.95	171.81	46.243		
18,700.00	6,840.00	6,755.00	6,755.00	342.55	116.94	90.00	-124.70	-5,583.26	8,043.05	7,871.37	171.68	46.849		
18,800.00	6,840.00	6,755.00	6,755.00	345.25	116.94	90.00	-124.70	-5,583.26	8,141.38	7,969.82	171.56	47.454		
18,900.00	6,840.00	6,755.00	6,755.00	347.94	116.94	90.00	-124.70	-5,583.26	8,239.75	8,068.30	171.45	48.060		
19,000.00	6,840.00	6,755.00	6,755.00	350.64	116.94	90.00	-124.70	-5,583.26	8,338.16	8,166.82	171.34	48.664		
19,100.00	6,840.00	6,755.00	6,755.00	353.34	116.94	90.00	-124.70	-5,583.26	8,436.61	8,265.37	171.24	49.269		
19,200.00	6,840.00	6,755.00	6,755.00	356.04	116.94	90.00	-124.70	-5,583.26	8,535.09	8,363.96	171.14	49.872		
19,300.00	6,840.00	6,755.00	6,755.00	358.74	116.94	90.00	-124.70	-5,583.26	8,633.61	8,462.57	171.05	50.476		
19,400.00	6,840.00	6,755.00	6,755.00	361.44	116.94	90.00	-124.70	-5,583.26	8,732.17	8,561.21	170.96	51.078		
19,500.00	6,840.00	6,755.00	6,755.00	364.13	116.94	90.00	-124.70	-5,583.26	8,830.75	8,659.88	170.87	51.680		
19,600.00	6,840.00	6,755.00	6,755.00	366.83	116.94	90.00	-124.70	-5,583.26	8,929.37	8,758.57	170.79	52.282		
19,700.00	6,840.00	6,755.00	6,755.00	369.53	116.94	90.00	-124.70	-5,583.26	9,028.01	8,857.29	170.72	52.882		
19,800.00	6,840.00	6,755.00	6,755.00	372.23	116.94	90.00	-124.70	-5,583.26	9,126.69	8,956.04	170.65	53.483		
19,900.00	6,840.00	6,755.00	6,755.00	374.94	116.94	90.00	-124.70	-5,583.26	9,225.39	9,054.81	170.58	54.082		
20,000.00	6,840.00	6,755.00	6,755.00	377.64	116.94	90.00	-124.70	-5,583.26	9,324.13	9,153.61	170.52	54.681		
20,100.00	6,840.00	6,755.00	6,755.00	380.34	116.94	90.00	-124.70	-5,583.26	9,422.89	9,252.43	170.46	55.280		
20,200.00	6,840.00	6,755.00	6,755.00	383.04	116.94	90.00	-124.70	-5,583.26	9,521.67	9,351.27	170.40	55.878		
20,300.00	6,840.00	6,755.00	6,755.00	385.74	116.94	90.00	-124.70	-5,583.26	9,620.48	9,450.13	170.35	56.475		
20,400.00	6,840.00	6,755.00	6,755.00	388.44	116.94	90.00	-124.70	-5,583.26	9,719.31	9,549.01	170.30	57.071		
20,500.00	6,840.00	6,755.00	6,755.00	391.14	116.94	90.00	-124.70	-5,583.26	9,818.17	9,647.92	170.26	57.667		
20,552.28	6,840.00	6,755.00	6,755.00	392.56	116.94	90.00	-124.70	-5,583.26	9,869.86	9,699.63	170.23	57.978		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT DUPPER 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	-74.93	2,572.37	-9,552.52	9,893.74					
100.00	100.00	0.00	0.00	0.13	0.00	-74.93	2,572.37	-9,552.52	9,892.88	9,892.74	0.13	N/A		
151.28	151.28	16.28	16.28	0.32	0.13	-74.93	2,572.37	-9,552.52	9,892.82	9,892.37	0.45	N/A		
200.00	200.00	65.00	65.00	0.49	0.51	-74.93	2,572.37	-9,552.52	9,892.82	9,891.81	1.00	9,859.217		
300.00	300.00	165.00	165.00	0.85	1.92	-74.93	2,572.37	-9,552.52	9,892.82	9,890.05	2.77	3,569.825		
400.00	399.98	264.98	264.98	1.20	3.66	53.15	2,572.37	-9,552.52	9,891.77	9,886.91	4.86	2,034.381		
500.00	499.84	364.84	364.84	1.55	5.41	53.22	2,572.37	-9,552.52	9,888.63	9,881.68	6.95	1,422.517		
600.00	599.45	464.45	464.45	1.91	7.15	53.35	2,572.37	-9,552.52	9,883.41	9,874.36	9.05	1,092.031		
700.00	698.70	563.70	563.70	2.29	8.88	53.52	2,572.37	-9,552.52	9,876.11	9,864.95	11.16	885.064		
800.00	797.47	662.47	662.47	2.70	10.60	53.74	2,572.37	-9,552.52	9,866.76	9,853.48	13.28	743.147		
900.00	895.62	760.62	760.62	3.14	12.32	54.02	2,572.37	-9,552.52	9,855.38	9,839.97	15.41	639.661		
1,000.00	993.06	858.06	858.06	3.62	14.02	54.34	2,572.37	-9,552.52	9,841.99	9,824.43	17.55	560.767		
1,100.00	1,089.64	954.64	954.64	4.14	15.70	54.71	2,572.37	-9,552.52	9,826.62	9,806.91	19.71	498.561		
1,200.00	1,185.27	1,050.27	1,050.27	4.70	17.37	55.14	2,572.37	-9,552.52	9,809.32	9,787.43	21.89	448.205		
1,300.00	1,279.82	1,144.82	1,144.82	5.31	19.02	55.61	2,572.37	-9,552.52	9,790.11	9,766.03	24.08	406.570		
1,400.00	1,373.17	1,238.17	1,238.17	5.98	20.65	56.13	2,572.37	-9,552.52	9,769.06	9,742.77	26.29	371.546		
1,500.00	1,465.22	1,330.22	1,330.22	6.70	22.26	56.67	2,572.37	-9,552.52	9,746.21	9,717.68	28.53	341.645		
1,600.00	1,556.72	1,421.72	1,421.72	7.45	23.85	56.85	2,572.37	-9,552.52	9,722.71	9,691.93	30.78	315.927		
1,700.00	1,648.21	1,513.21	1,513.21	8.21	25.45	57.04	2,572.37	-9,552.52	9,699.32	9,666.28	33.04	293.589		
1,800.00	1,739.71	1,604.71	1,604.71	8.99	27.05	57.23	2,572.37	-9,552.52	9,676.04	9,640.73	35.31	274.028		
1,900.00	1,831.20	1,703.80	1,696.20	9.77	28.78	57.42	2,572.37	-9,552.52	9,652.87	9,615.15	37.73	255.871		
2,000.00	1,922.69	1,787.69	1,787.69	10.56	30.24	57.61	2,572.37	-9,552.52	9,629.82	9,589.94	39.88	241.451		
2,100.00	2,014.19	1,879.19	1,879.19	11.35	31.84	57.80	2,572.37	-9,552.52	9,606.88	9,564.70	42.18	227.758		
2,200.00	2,105.68	1,970.68	1,970.68	12.14	33.44	57.99	2,572.37	-9,552.52	9,584.06	9,539.57	44.48	215.454		
2,300.00	2,197.18	2,062.18	2,062.18	12.94	35.03	58.18	2,572.37	-9,552.52	9,561.35	9,514.56	46.79	204.341		
2,400.00	2,288.67	2,153.67	2,153.67	13.74	36.63	58.38	2,572.37	-9,552.52	9,538.76	9,489.65	49.10	194.257		
2,500.00	2,380.17	2,245.17	2,245.17	14.54	38.23	58.57	2,572.37	-9,552.52	9,516.28	9,464.86	51.42	185.067		
2,600.00	2,471.66	2,336.66	2,336.66	15.35	39.82	58.77	2,572.37	-9,552.52	9,493.93	9,440.19	53.74	176.658		
2,700.00	2,563.16	2,428.16	2,428.16	16.15	41.42	58.96	2,572.37	-9,552.52	9,471.69	9,415.62	56.07	168.936		
2,800.00	2,654.65	2,519.65	2,519.65	16.96	43.02	59.16	2,572.37	-9,552.52	9,449.58	9,391.18	58.40	161.822		
2,900.00	2,746.15	2,611.15	2,611.15	17.76	44.61	59.36	2,572.37	-9,552.52	9,427.58	9,366.85	60.73	155.246		
3,000.00	2,837.64	2,702.64	2,702.64	18.57	46.21	59.55	2,572.37	-9,552.52	9,405.71	9,342.64	63.06	149.151		
3,100.00	2,929.14	2,805.86	2,794.14	19.38	48.01	59.75	2,572.37	-9,552.52	9,383.95	9,318.35	65.60	143.039		
3,200.00	3,020.63	2,885.63	2,885.63	20.19	49.40	59.95	2,572.37	-9,552.52	9,362.33	9,294.59	67.74	138.209		
3,300.00	3,112.13	2,977.13	2,977.13	21.00	51.00	60.15	2,572.37	-9,552.52	9,340.82	9,270.74	70.08	133.280		
3,400.00	3,203.62	3,068.62	3,068.62	21.81	52.60	60.36	2,572.37	-9,552.52	9,319.45	9,247.02	72.43	128.667		
3,500.00	3,295.12	3,160.12	3,160.12	22.63	54.19	60.56	2,572.37	-9,552.52	9,298.19	9,223.41	74.78	124.341		
3,600.00	3,386.61	3,251.61	3,251.61	23.44	55.79	60.76	2,572.37	-9,552.52	9,277.07	9,199.94	77.13	120.275		
3,700.00	3,478.10	3,343.10	3,343.10	24.25	57.39	60.97	2,572.37	-9,552.52	9,256.07	9,176.58	79.49	116.448		
3,800.00	3,569.60	3,434.60	3,434.60	25.06	58.99	61.17	2,572.37	-9,552.52	9,235.20	9,153.36	81.84	112.839		
3,900.00	3,661.09	3,526.09	3,526.09	25.88	60.58	61.38	2,572.37	-9,552.52	9,214.46	9,130.26	84.20	109.431		
4,000.00	3,752.59	3,617.59	3,617.59	26.69	62.18	61.58	2,572.37	-9,552.52	9,193.85	9,107.29	86.57	106.207		
4,100.00	3,844.08	3,709.08	3,709.08	27.50	63.78	61.79	2,572.37	-9,552.52	9,173.38	9,084.45	88.93	103.153		
4,200.00	3,935.58	3,800.58	3,800.58	28.32	65.37	62.00	2,572.37	-9,552.52	9,153.03	9,061.73	91.30	100.255		
4,300.00	4,027.07	3,907.93	3,892.07	29.13	67.25	62.21	2,572.37	-9,552.52	9,132.82	9,038.87	93.94	97.216		
4,400.00	4,118.57	3,983.57	3,983.57	29.95	68.57	62.42	2,572.37	-9,552.52	9,112.74	9,016.70	96.04	94.887		
4,500.00	4,210.06	4,075.06	4,075.06	30.76	70.16	62.63	2,572.37	-9,552.52	9,092.79	8,994.38	98.41	92.395		
4,600.00	4,301.56	4,166.56	4,166.56	31.58	71.76	62.84	2,572.37	-9,552.52	9,072.99	8,972.20	100.79	90.020		
4,700.00	4,393.05	4,258.05	4,258.05	32.39	73.36	63.05	2,572.37	-9,552.52	9,053.31	8,950.15	103.17	87.754		
4,800.00	4,484.55	4,349.55	4,349.55	33.21	74.95	63.26	2,572.37	-9,552.52	9,033.78	8,928.23	105.55	85.589		
4,900.00	4,576.04	4,441.04	4,441.04	34.02	76.55	63.48	2,572.37	-9,552.52	9,014.38	8,906.45	107.93	83.520		
5,000.00	4,667.54	4,532.54	4,532.54	34.84	78.15	63.69	2,572.37	-9,552.52	8,995.13	8,884.81	110.32	81.539		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT DUPPER 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	4,759.03	4,624.03	4,624.03	35.65	79.74	63.91	2,572.37	-9,552.52	8,976.01	8,863.31	112.70	79.643		
5,200.00	4,850.53	4,715.53	4,715.53	36.47	81.34	64.12	2,572.37	-9,552.52	8,957.04	8,841.94	115.09	77.824		
5,300.00	4,942.02	4,807.02	4,807.02	37.28	82.94	64.34	2,572.37	-9,552.52	8,938.20	8,820.72	117.48	76.080		
5,400.00	5,033.51	4,901.49	4,898.51	38.10	84.59	64.56	2,572.37	-9,552.52	8,919.51	8,799.58	119.93	74.372		
5,500.00	5,125.01	5,009.99	4,990.01	38.92	86.48	64.77	2,572.37	-9,552.52	8,900.96	8,778.34	122.62	72.588		
5,600.00	5,216.50	5,081.50	5,081.50	39.73	87.73	64.99	2,572.37	-9,552.52	8,882.56	8,757.89	124.67	71.247		
5,700.00	5,308.00	5,173.00	5,173.00	40.55	89.33	65.21	2,572.37	-9,552.52	8,864.30	8,737.23	127.07	69.758		
5,800.00	5,399.49	5,264.49	5,264.49	41.36	90.92	65.43	2,572.37	-9,552.52	8,846.19	8,716.72	129.47	68.324		
5,900.00	5,490.99	5,355.99	5,355.99	42.18	92.52	65.66	2,572.37	-9,552.52	8,828.23	8,696.35	131.88	66.942		
6,000.00	5,582.48	5,447.48	5,447.48	43.00	94.12	65.88	2,572.37	-9,552.52	8,810.42	8,676.13	134.28	65.610		
6,100.00	5,673.98	5,538.98	5,538.98	43.81	95.71	66.10	2,572.37	-9,552.52	8,792.75	8,656.06	136.69	64.325		
6,200.00	5,765.47	5,630.47	5,630.47	44.63	97.31	66.33	2,572.37	-9,552.52	8,775.23	8,636.13	139.10	63.085		
6,300.00	5,856.97	5,721.97	5,721.97	45.45	98.91	66.55	2,572.37	-9,552.52	8,757.87	8,616.36	141.51	61.887		
6,400.00	5,948.46	5,813.46	5,813.46	46.26	100.50	66.78	2,572.37	-9,552.52	8,740.66	8,596.73	143.93	60.730		
6,500.00	6,039.96	5,904.96	5,904.96	47.08	102.10	67.00	2,572.37	-9,552.52	8,723.60	8,577.26	146.34	59.611		
6,600.00	6,131.45	6,003.55	5,996.45	47.90	103.82	67.23	2,572.37	-9,552.52	8,706.69	8,557.81	148.88	58.480		
6,700.00	6,222.95	6,087.95	6,087.95	48.71	105.29	67.46	2,572.37	-9,552.52	8,689.94	8,538.76	151.18	57.481		
6,800.00	6,314.44	6,179.44	6,179.44	49.53	106.89	67.68	2,572.37	-9,552.52	8,673.34	8,519.74	153.60	56.467		
6,900.00	6,405.93	6,270.93	6,270.93	50.35	108.49	67.91	2,572.37	-9,552.52	8,656.90	8,500.88	156.02	55.485		
7,000.00	6,497.01	6,362.01	6,362.01	51.18	110.08	63.46	2,572.37	-9,552.52	8,639.50	8,481.05	158.45	54.525		
7,100.00	6,588.62	6,447.62	6,447.62	52.20	111.57	56.51	2,572.37	-9,552.52	8,610.16	8,449.25	160.90	53.511		
7,200.00	6,659.25	6,524.25	6,524.25	53.42	112.91	54.28	2,572.37	-9,552.52	8,566.93	8,403.60	163.33	52.453		
7,300.00	6,724.59	6,589.59	6,589.59	54.84	114.05	55.34	2,572.37	-9,552.52	8,511.19	8,345.55	165.64	51.383		
7,400.00	6,776.64	6,641.64	6,641.64	56.40	114.96	59.41	2,572.37	-9,552.52	8,444.70	8,276.92	167.78	50.332		
7,500.00	6,813.82	6,678.82	6,678.82	58.08	115.61	66.87	2,572.37	-9,552.52	8,369.51	8,199.84	169.67	49.327		
7,600.00	6,835.01	6,700.01	6,700.01	59.82	115.98	78.34	2,572.37	-9,552.52	8,287.89	8,116.63	171.26	48.394		
7,700.00	6,840.00	6,705.00	6,705.00	61.57	116.06	90.00	2,572.37	-9,552.52	8,202.37	8,029.87	172.50	47.551		
7,800.00	6,840.00	6,705.00	6,705.00	63.35	116.06	90.00	2,572.37	-9,552.52	8,116.27	7,942.62	173.65	46.739		
7,900.00	6,840.00	6,705.00	6,705.00	65.20	116.06	90.00	2,572.37	-9,552.52	8,030.49	7,855.65	174.84	45.930		
8,000.00	6,840.00	6,705.00	6,705.00	67.10	116.06	90.00	2,572.37	-9,552.52	7,945.04	7,768.97	176.08	45.123		
8,100.00	6,840.00	6,705.00	6,705.00	69.05	116.06	90.00	2,572.37	-9,552.52	7,859.94	7,682.59	177.35	44.318		
8,200.00	6,840.00	6,705.00	6,705.00	71.06	116.06	90.00	2,572.37	-9,552.52	7,775.19	7,596.52	178.67	43.517		
8,300.00	6,840.00	6,705.00	6,705.00	73.11	116.06	90.00	2,572.37	-9,552.52	7,690.81	7,510.78	180.03	42.719		
8,400.00	6,840.00	6,705.00	6,705.00	75.21	116.06	90.00	2,572.37	-9,552.52	7,606.81	7,425.37	181.44	41.925		
8,500.00	6,840.00	6,705.00	6,705.00	77.34	116.06	90.00	2,572.37	-9,552.52	7,523.20	7,340.31	182.89	41.135		
8,600.00	6,840.00	6,705.00	6,705.00	79.51	116.06	90.00	2,572.37	-9,552.52	7,440.00	7,255.61	184.38	40.350		
8,700.00	6,840.00	6,705.00	6,705.00	81.72	116.06	90.00	2,572.37	-9,552.52	7,357.21	7,171.28	185.93	39.571		
8,800.00	6,840.00	6,705.00	6,705.00	83.95	116.06	90.00	2,572.37	-9,552.52	7,274.85	7,087.34	187.51	38.796		
8,900.00	6,840.00	6,705.00	6,705.00	86.22	116.06	90.00	2,572.37	-9,552.52	7,192.95	7,003.80	189.15	38.028		
9,000.00	6,840.00	6,705.00	6,705.00	88.51	116.06	90.00	2,572.37	-9,552.52	7,111.50	6,920.67	190.83	37.266		
9,100.00	6,840.00	6,705.00	6,705.00	90.83	116.06	90.00	2,572.37	-9,552.52	7,030.53	6,837.97	192.56	36.511		
9,200.00	6,840.00	6,705.00	6,705.00	93.16	116.06	90.00	2,572.37	-9,552.52	6,950.06	6,755.73	194.34	35.763		
9,300.00	6,840.00	6,705.00	6,705.00	95.52	116.06	90.00	2,572.37	-9,552.52	6,870.11	6,673.94	196.17	35.022		
9,400.00	6,840.00	6,705.00	6,705.00	97.90	116.06	90.00	2,572.37	-9,552.52	6,790.68	6,592.64	198.04	34.289		
9,500.00	6,840.00	6,705.00	6,705.00	100.30	116.06	90.00	2,572.37	-9,552.52	6,711.80	6,511.83	199.97	33.564		
9,600.00	6,840.00	6,705.00	6,705.00	102.72	116.06	90.00	2,572.37	-9,552.52	6,633.50	6,431.54	201.95	32.847		
9,700.00	6,840.00	6,705.00	6,705.00	105.15	116.06	90.00	2,572.37	-9,552.52	6,555.78	6,351.79	203.98	32.139		
9,800.00	6,840.00	6,705.00	6,705.00	107.59	116.06	90.00	2,572.37	-9,552.52	6,478.67	6,272.60	206.07	31.439		
9,900.00	6,840.00	6,705.00	6,705.00	110.05	116.06	90.00	2,572.37	-9,552.52	6,402.20	6,193.99	208.21	30.749		
10,000.00	6,840.00	6,705.00	6,705.00	112.52	116.06	90.00	2,572.37	-9,552.52	6,326.39	6,115.99	210.40	30.069		
10,100.00	6,840.00	6,705.00	6,705.00	115.00	116.06	90.00	2,572.37	-9,552.52	6,251.25	6,038.61	212.64	29.398		
10,200.00	6,840.00	6,705.00	6,705.00	117.50	116.06	90.00	2,572.37	-9,552.52	6,176.82	5,961.88	214.94	28.737		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT DUPPER 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		
10,300.00	6,840.00	6,705.00	6,705.00	120.00	116.06	90.00	2,572.37	-9,552.52	6,103.12	5,885.82	217.30	28.086		
10,400.00	6,840.00	6,705.00	6,705.00	122.51	116.06	90.00	2,572.37	-9,552.52	6,030.18	5,810.47	219.71	27.446		
10,500.00	6,840.00	6,705.00	6,705.00	125.04	116.06	90.00	2,572.37	-9,552.52	5,958.02	5,735.85	222.17	26.817		
10,600.00	6,840.00	6,705.00	6,705.00	127.57	116.06	90.00	2,572.37	-9,552.52	5,886.68	5,661.99	224.69	26.199		
10,700.00	6,840.00	6,705.00	6,705.00	130.11	116.06	90.00	2,572.37	-9,552.52	5,816.18	5,588.91	227.27	25.591		
10,800.00	6,840.00	6,705.00	6,705.00	132.66	116.06	90.00	2,572.37	-9,552.52	5,746.56	5,516.66	229.90	24.996		
10,900.00	6,840.00	6,705.00	6,705.00	135.21	116.06	90.00	2,572.37	-9,552.52	5,677.84	5,445.25	232.59	24.411		
11,000.00	6,840.00	6,705.00	6,705.00	137.77	116.06	90.00	2,572.37	-9,552.52	5,610.07	5,374.74	235.33	23.839		
11,100.00	6,840.00	6,705.00	6,705.00	140.34	116.06	90.00	2,572.37	-9,552.52	5,543.27	5,305.14	238.13	23.278		
11,200.00	6,840.00	6,705.00	6,705.00	142.91	116.06	90.00	2,572.37	-9,552.52	5,477.48	5,236.50	240.98	22.730		
11,300.00	6,840.00	6,705.00	6,705.00	145.49	116.06	90.00	2,572.37	-9,552.52	5,412.74	5,168.86	243.89	22.193		
11,400.00	6,840.00	6,705.00	6,705.00	148.07	116.06	90.00	2,572.37	-9,552.52	5,349.09	5,102.24	246.85	21.670		
11,500.00	6,840.00	6,705.00	6,705.00	150.66	116.06	90.00	2,572.37	-9,552.52	5,286.56	5,036.71	249.86	21.158		
11,600.00	6,840.00	6,705.00	6,705.00	153.25	116.06	90.00	2,572.37	-9,552.52	5,225.20	4,972.29	252.91	20.660		
11,700.00	6,840.00	6,705.00	6,705.00	155.85	116.06	90.00	2,572.37	-9,552.52	5,165.04	4,909.02	256.02	20.174		
11,800.00	6,840.00	6,705.00	6,705.00	158.45	116.06	90.00	2,572.37	-9,552.52	5,106.14	4,846.96	259.17	19.702		
11,900.00	6,840.00	6,705.00	6,705.00	161.06	116.06	90.00	2,572.37	-9,552.52	5,048.53	4,786.16	262.37	19.242		
12,000.00	6,840.00	6,705.00	6,705.00	163.67	116.06	90.00	2,572.37	-9,552.52	4,992.25	4,726.64	265.61	18.795		
12,100.00	6,840.00	6,705.00	6,705.00	166.28	116.06	90.00	2,572.37	-9,552.52	4,937.37	4,668.48	268.89	18.362		
12,200.00	6,840.00	6,705.00	6,705.00	168.90	116.06	90.00	2,572.37	-9,552.52	4,883.91	4,611.71	272.20	17.942		
12,300.00	6,840.00	6,705.00	6,705.00	171.52	116.06	90.00	2,572.37	-9,552.52	4,831.93	4,556.38	275.54	17.536		
12,400.00	6,840.00	6,705.00	6,705.00	174.15	116.06	90.00	2,572.37	-9,552.52	4,781.47	4,502.56	278.92	17.143		
12,500.00	6,840.00	6,705.00	6,705.00	176.77	116.06	90.00	2,572.37	-9,552.52	4,732.60	4,450.29	282.31	16.764		
12,600.00	6,840.00	6,705.00	6,705.00	179.40	116.06	90.00	2,572.37	-9,552.52	4,685.34	4,399.62	285.73	16.398		
12,700.00	6,840.00	6,705.00	6,705.00	182.04	116.06	90.00	2,572.37	-9,552.52	4,639.76	4,350.61	289.15	16.046		
12,800.00	6,840.00	6,705.00	6,705.00	184.67	116.06	90.00	2,572.37	-9,552.52	4,595.91	4,303.32	292.59	15.708		
12,900.00	6,840.00	6,705.00	6,705.00	187.31	116.06	90.00	2,572.37	-9,552.52	4,553.83	4,257.80	296.03	15.383		
13,000.00	6,840.00	6,705.00	6,705.00	189.95	116.06	90.00	2,572.37	-9,552.52	4,513.57	4,214.11	299.46	15.072		
13,100.00	6,840.00	6,705.00	6,705.00	192.59	116.06	90.00	2,572.37	-9,552.52	4,475.19	4,172.30	302.89	14.775		
13,200.00	6,840.00	6,705.00	6,705.00	195.24	116.06	90.00	2,572.37	-9,552.52	4,438.72	4,132.43	306.30	14.491		
13,300.00	6,840.00	6,705.00	6,705.00	197.88	116.06	90.00	2,572.37	-9,552.52	4,404.23	4,094.55	309.68	14.222		
13,400.00	6,840.00	6,705.00	6,705.00	200.53	116.06	90.00	2,572.37	-9,552.52	4,371.75	4,058.72	313.04	13.966		
13,500.00	6,840.00	6,705.00	6,705.00	203.18	116.06	90.00	2,572.37	-9,552.52	4,341.34	4,024.99	316.35	13.723		
13,600.00	6,840.00	6,705.00	6,705.00	205.83	116.06	90.00	2,572.37	-9,552.52	4,313.02	3,993.41	319.62	13.494		
13,700.00	6,840.00	6,705.00	6,705.00	208.49	116.06	90.00	2,572.37	-9,552.52	4,286.86	3,964.03	322.83	13.279		
13,800.00	6,840.00	6,705.00	6,705.00	211.14	116.06	90.00	2,572.37	-9,552.52	4,262.88	3,936.90	325.98	13.077		
13,900.00	6,840.00	6,705.00	6,705.00	213.80	116.06	90.00	2,572.37	-9,552.52	4,241.12	3,912.06	329.06	12.889		
14,000.00	6,840.00	6,705.00	6,705.00	216.46	116.06	90.00	2,572.37	-9,552.52	4,221.62	3,889.56	332.06	12.713		
14,100.00	6,840.00	6,705.00	6,705.00	219.12	116.06	90.00	2,572.37	-9,552.52	4,204.41	3,869.43	334.97	12.552		
14,200.00	6,840.00	6,705.00	6,705.00	221.78	116.06	90.00	2,572.37	-9,552.52	4,189.51	3,851.72	337.79	12.403		
14,300.00	6,840.00	6,705.00	6,705.00	224.45	116.06	90.00	2,572.37	-9,552.52	4,176.96	3,836.44	340.51	12.267		
14,400.00	6,840.00	6,705.00	6,705.00	227.11	116.06	90.00	2,572.37	-9,552.52	4,166.77	3,823.64	343.13	12.144		
14,500.00	6,840.00	6,705.00	6,705.00	229.78	116.06	90.00	2,572.37	-9,552.52	4,158.96	3,813.33	345.62	12.033		
14,600.00	6,840.00	6,705.00	6,705.00	232.45	116.06	90.00	2,572.37	-9,552.52	4,153.54	3,805.54	348.00	11.935		
14,700.00	6,840.00	6,705.00	6,705.00	235.12	116.06	90.00	2,572.37	-9,552.52	4,150.53	3,800.27	350.26	11.850		
14,775.14	6,840.00	6,705.00	6,705.00	237.12	116.06	90.00	2,572.37	-9,552.52	4,149.85	3,797.98	351.87	11.794 CC		
14,800.00	6,840.00	6,705.00	6,705.00	237.79	116.06	90.00	2,572.37	-9,552.52	4,149.92	3,797.54	352.38	11.777		
14,900.00	6,840.00	6,705.00	6,705.00	240.46	116.06	90.00	2,572.37	-9,552.52	4,151.72	3,797.35	354.37	11.716 ES		
15,000.00	6,840.00	6,705.00	6,705.00	243.13	116.06	90.00	2,572.37	-9,552.52	4,155.93	3,799.70	356.23	11.666		
15,100.00	6,840.00	6,705.00	6,705.00	245.80	116.06	90.00	2,572.37	-9,552.52	4,162.54	3,804.60	357.95	11.629		
15,200.00	6,840.00	6,705.00	6,705.00	248.48	116.06	90.00	2,572.37	-9,552.52	4,171.54	3,812.02	359.52	11.603		
15,300.00	6,840.00	6,705.00	6,705.00	251.15	116.06	90.00	2,572.37	-9,552.52	4,182.91	3,821.95	360.96	11.588		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT DUPPER 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		
15,400.00	6,840.00	6,705.00	6,705.00	253.83	116.06	90.00	2,572.37	-9,552.52	4,196.63	3,834.38	362.25	11.585 SF		
15,500.00	6,840.00	6,705.00	6,705.00	256.51	116.06	90.00	2,572.37	-9,552.52	4,212.68	3,849.28	363.40	11.592		
15,600.00	6,840.00	6,705.00	6,705.00	259.19	116.06	90.00	2,572.37	-9,552.52	4,231.03	3,866.62	364.41	11.611		
15,700.00	6,840.00	6,705.00	6,705.00	261.87	116.06	90.00	2,572.37	-9,552.52	4,251.66	3,886.37	365.28	11.639		
15,800.00	6,840.00	6,705.00	6,705.00	264.55	116.06	90.00	2,572.37	-9,552.52	4,274.52	3,908.50	366.02	11.678		
15,900.00	6,840.00	6,705.00	6,705.00	267.23	116.06	90.00	2,572.37	-9,552.52	4,299.60	3,932.97	366.62	11.728		
16,000.00	6,840.00	6,705.00	6,705.00	269.91	116.06	90.00	2,572.37	-9,552.52	4,326.84	3,959.74	367.10	11.787		
16,100.00	6,840.00	6,705.00	6,705.00	272.59	116.06	90.00	2,572.37	-9,552.52	4,356.20	3,988.75	367.45	11.855		
16,200.00	6,840.00	6,705.00	6,705.00	275.28	116.06	90.00	2,572.37	-9,552.52	4,387.65	4,019.97	367.68	11.933		
16,300.00	6,840.00	6,705.00	6,705.00	277.96	116.06	90.00	2,572.37	-9,552.52	4,421.13	4,053.34	367.79	12.021		
16,400.00	6,840.00	6,705.00	6,705.00	280.64	116.06	90.00	2,572.37	-9,552.52	4,456.61	4,088.82	367.79	12.117		
16,500.00	6,840.00	6,705.00	6,705.00	283.33	116.06	90.00	2,572.37	-9,552.52	4,494.04	4,126.35	367.69	12.222		
16,600.00	6,840.00	6,705.00	6,705.00	286.02	116.06	90.00	2,572.37	-9,552.52	4,533.36	4,165.87	367.49	12.336		
16,700.00	6,840.00	6,705.00	6,705.00	288.70	116.06	90.00	2,572.37	-9,552.52	4,574.53	4,207.34	367.19	12.458		
16,800.00	6,840.00	6,705.00	6,705.00	291.39	116.06	90.00	2,572.37	-9,552.52	4,617.50	4,250.70	366.80	12.589		
16,900.00	6,840.00	6,705.00	6,705.00	294.08	116.06	90.00	2,572.37	-9,552.52	4,662.22	4,295.89	366.33	12.727		
17,000.00	6,840.00	6,705.00	6,705.00	296.77	116.06	90.00	2,572.37	-9,552.52	4,708.63	4,342.86	365.78	12.873		
17,100.00	6,840.00	6,705.00	6,705.00	299.46	116.06	90.00	2,572.37	-9,552.52	4,756.70	4,391.55	365.15	13.027		
17,200.00	6,840.00	6,705.00	6,705.00	302.14	116.06	90.00	2,572.37	-9,552.52	4,806.37	4,441.91	364.46	13.188		
17,300.00	6,840.00	6,705.00	6,705.00	304.84	116.06	90.00	2,572.37	-9,552.52	4,857.59	4,493.88	363.71	13.356		
17,400.00	6,840.00	6,705.00	6,705.00	307.53	116.06	90.00	2,572.37	-9,552.52	4,910.31	4,547.41	362.90	13.531		
17,500.00	6,840.00	6,705.00	6,705.00	310.22	116.06	90.00	2,572.37	-9,552.52	4,964.48	4,602.45	362.04	13.713		
17,600.00	6,840.00	6,705.00	6,705.00	312.91	116.06	90.00	2,572.37	-9,552.52	5,020.07	4,658.94	361.13	13.901		
17,700.00	6,840.00	6,705.00	6,705.00	315.60	116.06	90.00	2,572.37	-9,552.52	5,077.01	4,716.84	360.17	14.096		
17,800.00	6,840.00	6,705.00	6,705.00	318.29	116.06	90.00	2,572.37	-9,552.52	5,135.27	4,776.09	359.18	14.297		
17,900.00	6,840.00	6,705.00	6,705.00	320.99	116.06	90.00	2,572.37	-9,552.52	5,194.80	4,836.65	358.16	14.504		
18,000.00	6,840.00	6,705.00	6,705.00	323.68	116.06	90.00	2,572.37	-9,552.52	5,255.56	4,898.46	357.10	14.717		
18,100.00	6,840.00	6,705.00	6,705.00	326.38	116.06	90.00	2,572.37	-9,552.52	5,317.51	4,961.50	356.02	14.936		
18,200.00	6,840.00	6,705.00	6,705.00	329.07	116.06	90.00	2,572.37	-9,552.52	5,380.60	5,025.70	354.91	15.161		
18,300.00	6,840.00	6,705.00	6,705.00	331.77	116.06	90.00	2,572.37	-9,552.52	5,444.80	5,091.02	353.78	15.390		
18,400.00	6,840.00	6,705.00	6,705.00	334.46	116.06	90.00	2,572.37	-9,552.52	5,510.07	5,157.43	352.63	15.625		
18,500.00	6,840.00	6,705.00	6,705.00	337.16	116.06	90.00	2,572.37	-9,552.52	5,576.36	5,224.89	351.47	15.866		
18,600.00	6,840.00	6,705.00	6,705.00	339.85	116.06	90.00	2,572.37	-9,552.52	5,643.65	5,293.35	350.30	16.111		
18,700.00	6,840.00	6,705.00	6,705.00	342.55	116.06	90.00	2,572.37	-9,552.52	5,711.90	5,362.78	349.12	16.361		
18,800.00	6,840.00	6,705.00	6,705.00	345.25	116.06	90.00	2,572.37	-9,552.52	5,781.07	5,433.13	347.93	16.615		
18,900.00	6,840.00	6,705.00	6,705.00	347.94	116.06	90.00	2,572.37	-9,552.52	5,851.13	5,504.39	346.74	16.875		
19,000.00	6,840.00	6,705.00	6,705.00	350.64	116.06	90.00	2,572.37	-9,552.52	5,922.05	5,576.51	345.54	17.138		
19,100.00	6,840.00	6,705.00	6,705.00	353.34	116.06	90.00	2,572.37	-9,552.52	5,993.80	5,649.46	344.35	17.406		
19,200.00	6,840.00	6,705.00	6,705.00	356.04	116.06	90.00	2,572.37	-9,552.52	6,066.35	5,723.20	343.15	17.679		
19,300.00	6,840.00	6,705.00	6,705.00	358.74	116.06	90.00	2,572.37	-9,552.52	6,139.67	5,797.72	341.95	17.955		
19,400.00	6,840.00	6,705.00	6,705.00	361.44	116.06	90.00	2,572.37	-9,552.52	6,213.74	5,872.98	340.76	18.235		
19,500.00	6,840.00	6,705.00	6,705.00	364.13	116.06	90.00	2,572.37	-9,552.52	6,288.52	5,948.95	339.57	18.519		
19,600.00	6,840.00	6,705.00	6,705.00	366.83	116.06	90.00	2,572.37	-9,552.52	6,364.00	6,025.61	338.39	18.807		
19,700.00	6,840.00	6,705.00	6,705.00	369.53	116.06	90.00	2,572.37	-9,552.52	6,440.15	6,102.93	337.21	19.098		
19,800.00	6,840.00	6,705.00	6,705.00	372.23	116.06	90.00	2,572.37	-9,552.52	6,516.94	6,180.89	336.04	19.393		
19,900.00	6,840.00	6,705.00	6,705.00	374.94	116.06	90.00	2,572.37	-9,552.52	6,594.35	6,259.46	334.88	19.691		
20,000.00	6,840.00	6,705.00	6,705.00	377.64	116.06	90.00	2,572.37	-9,552.52	6,672.36	6,338.63	333.73	19.993		
20,100.00	6,840.00	6,705.00	6,705.00	380.34	116.06	90.00	2,572.37	-9,552.52	6,750.95	6,418.36	332.59	20.298		
20,200.00	6,840.00	6,705.00	6,705.00	383.04	116.06	90.00	2,572.37	-9,552.52	6,830.11	6,498.65	331.46	20.606		
20,300.00	6,840.00	6,705.00	6,705.00	385.74	116.06	90.00	2,572.37	-9,552.52	6,909.80	6,579.46	330.34	20.917		
20,400.00	6,840.00	6,705.00	6,705.00	388.44	116.06	90.00	2,572.37	-9,552.52	6,990.01	6,660.78	329.23	21.231		
20,500.00	6,840.00	6,705.00	6,705.00	391.14	116.06	90.00	2,572.37	-9,552.52	7,070.73	6,742.60	328.13	21.548		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT DUPPER 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	
20,552.28	6,840.00	6,705.00	6,705.00	392.56	116.06	90.00	2,572.37	-9,552.52	7,113.12	6,785.56	327.56	21.715	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT DUPPER R G 26-5 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-82.95	1,180.73	-9,550.27	9,623.96					
100.00	100.00	0.00	0.00	0.13	0.00	-82.95	1,180.73	-9,550.27	9,623.05	9,622.92	0.13	N/A		
200.00	200.00	83.29	83.29	0.49	0.09	-82.95	1,180.76	-9,550.18	9,622.92	9,622.34	0.58	N/A		
300.00	300.00	194.17	194.17	0.85	0.20	-82.95	1,180.65	-9,549.88	9,622.64	9,621.59	1.05	9,162.466		
400.00	399.98	313.38	313.38	1.20	0.31	45.13	1,180.27	-9,549.42	9,620.98	9,619.48	1.50	6,394.023		
500.00	499.84	388.50	388.50	1.55	0.33	45.21	1,180.38	-9,549.13	9,616.92	9,615.05	1.88	5,128.971		
600.00	599.45	512.10	512.09	1.91	0.38	45.35	1,180.51	-9,548.66	9,610.42	9,608.14	2.28	4,216.876		
700.00	698.70	578.32	578.32	2.29	0.41	45.51	1,180.22	-9,548.50	9,601.52	9,598.83	2.68	3,576.248		
800.00	797.47	676.99	676.98	2.70	0.46	45.73	1,179.49	-9,548.46	9,590.38	9,587.25	3.12	3,070.971		
900.00	895.62	761.86	761.85	3.14	0.50	45.99	1,178.62	-9,548.46	9,576.83	9,573.26	3.57	2,683.247		
1,000.00	993.06	836.51	836.49	3.62	0.54	46.29	1,177.65	-9,548.64	9,561.11	9,557.08	4.03	2,372.936		
1,100.00	1,089.64	914.46	914.43	4.14	0.57	46.63	1,176.58	-9,549.05	9,543.30	9,538.78	4.51	2,114.438		
1,200.00	1,185.27	1,029.18	1,029.14	4.70	0.62	47.07	1,174.91	-9,549.56	9,523.07	9,518.03	5.04	1,890.595		
1,300.00	1,279.82	1,109.48	1,109.43	5.31	0.66	47.52	1,173.49	-9,549.97	9,500.60	9,495.03	5.58	1,703.064		
1,400.00	1,373.17	1,186.11	1,186.03	5.98	0.69	48.01	1,171.94	-9,550.53	9,476.06	9,469.91	6.15	1,540.489		
1,500.00	1,465.22	1,237.20	1,237.11	6.70	0.71	48.47	1,170.88	-9,551.04	9,449.61	9,442.86	6.75	1,399.285		
1,600.00	1,556.72	1,300.00	1,299.90	7.45	0.73	48.58	1,169.78	-9,552.02	9,422.81	9,415.44	7.38	1,277.588		
1,700.00	1,648.21	1,412.57	1,412.44	8.21	0.77	48.78	1,167.96	-9,553.75	9,396.16	9,388.14	8.02	1,171.112		
1,800.00	1,739.71	1,474.35	1,474.20	8.99	0.79	48.89	1,166.98	-9,554.65	9,369.50	9,360.83	8.67	1,080.696		
1,900.00	1,831.20	1,533.44	1,533.28	9.77	0.81	49.00	1,166.09	-9,555.71	9,343.24	9,333.91	9.32	1,001.962		
2,000.00	1,922.69	1,600.00	1,599.82	10.56	0.84	49.12	1,165.16	-9,557.16	9,317.40	9,307.41	9.99	932.679		
2,100.00	2,014.19	1,675.08	1,674.87	11.35	0.86	49.26	1,164.23	-9,558.95	9,291.88	9,281.22	10.66	871.394		
2,200.00	2,105.68	1,742.73	1,742.49	12.14	0.88	49.39	1,163.49	-9,560.62	9,266.56	9,255.22	11.34	817.079		
2,300.00	2,197.18	1,800.00	1,799.74	12.94	0.90	49.50	1,162.85	-9,562.24	9,241.65	9,229.62	12.02	768.692		
2,400.00	2,288.67	1,862.78	1,862.49	13.74	0.92	49.61	1,162.30	-9,564.22	9,217.15	9,204.44	12.71	725.181		
2,500.00	2,380.17	1,919.73	1,919.40	14.54	0.94	49.72	1,162.06	-9,566.17	9,193.07	9,179.67	13.40	685.972		
2,600.00	2,471.66	1,970.81	1,970.44	15.35	0.95	49.82	1,162.03	-9,568.12	9,169.48	9,155.38	14.10	650.474		
2,700.00	2,563.16	2,069.53	2,069.08	16.15	0.98	50.02	1,162.47	-9,572.13	9,146.30	9,131.50	14.80	617.804		
2,800.00	2,654.65	2,232.64	2,232.09	16.96	1.01	50.35	1,164.95	-9,577.43	9,122.62	9,107.09	15.53	587.495		
2,900.00	2,746.15	2,553.97	2,553.31	17.76	1.07	51.03	1,170.67	-9,582.21	9,097.33	9,081.06	16.27	559.090		
3,000.00	2,837.64	2,640.16	2,639.48	18.57	1.08	51.22	1,172.34	-9,582.47	9,071.33	9,054.34	16.98	534.091		
3,100.00	2,929.14	2,739.09	2,738.40	19.38	1.10	51.43	1,174.08	-9,582.79	9,045.41	9,027.71	17.70	510.995		
3,200.00	3,020.63	2,828.88	2,828.16	20.19	1.11	51.63	1,176.06	-9,582.91	9,019.52	9,001.10	18.42	489.634		
3,300.00	3,112.13	2,900.00	2,899.27	21.00	1.12	51.79	1,177.66	-9,583.13	8,993.91	8,974.77	19.14	469.843		
3,400.00	3,203.62	3,070.52	3,069.77	21.81	1.15	52.16	1,180.16	-9,583.16	8,967.94	8,948.07	19.87	451.374		
3,500.00	3,295.12	3,230.43	3,229.66	22.63	1.17	52.52	1,182.02	-9,582.03	8,941.43	8,920.85	20.59	434.310		
3,600.00	3,386.61	3,300.00	3,299.23	23.44	1.18	52.67	1,182.60	-9,581.35	8,914.79	8,893.48	21.31	418.284		
3,700.00	3,478.10	3,367.02	3,366.24	24.25	1.19	52.82	1,183.35	-9,580.84	8,888.50	8,866.46	22.04	403.260		
3,800.00	3,569.60	3,427.43	3,426.64	25.06	1.20	52.95	1,184.41	-9,580.55	8,862.68	8,839.91	22.78	389.135		
3,900.00	3,661.09	3,500.00	3,499.20	25.88	1.21	53.12	1,185.78	-9,580.41	8,837.26	8,813.74	23.51	375.833		
4,000.00	3,752.59	3,634.46	3,633.64	26.69	1.23	53.42	1,187.56	-9,580.08	8,811.81	8,787.56	24.25	363.362		
4,100.00	3,844.08	3,736.70	3,735.88	27.50	1.25	53.65	1,188.56	-9,579.53	8,786.14	8,761.15	24.99	351.579		
4,200.00	3,935.58	3,826.05	3,825.22	28.32	1.27	53.86	1,189.39	-9,579.06	8,760.60	8,734.86	25.73	340.430		
4,300.00	4,027.07	3,937.39	3,936.55	29.13	1.29	54.11	1,190.60	-9,578.35	8,735.12	8,708.65	26.48	329.905		
4,400.00	4,118.57	4,117.78	4,116.92	29.95	1.32	54.52	1,191.66	-9,576.12	8,709.10	8,681.89	27.21	320.064		
4,500.00	4,210.06	4,200.32	4,199.46	30.76	1.33	54.71	1,191.79	-9,574.81	8,682.81	8,654.85	27.96	310.541		
4,600.00	4,301.56	4,258.60	4,257.73	31.58	1.34	54.85	1,192.13	-9,573.96	8,656.86	8,628.14	28.72	301.458		
4,700.00	4,393.05	4,330.58	4,329.69	32.39	1.35	55.02	1,193.21	-9,573.03	8,631.36	8,601.88	29.48	292.830		
4,800.00	4,484.55	4,418.41	4,417.49	33.21	1.37	55.23	1,195.31	-9,571.67	8,605.98	8,575.75	30.24	284.606		
4,900.00	4,576.04	4,472.34	4,471.39	34.02	1.38	55.37	1,196.94	-9,570.91	8,581.02	8,550.01	31.01	276.732		
5,000.00	4,667.54	4,547.24	4,546.24	34.84	1.40	55.56	1,199.51	-9,570.06	8,556.53	8,524.75	31.78	269.242		
5,100.00	4,759.03	5,100.00	4,677.04	35.65	1.55	55.89	1,203.57	-9,568.33	8,531.92	8,499.34	32.58	261.855		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT DUPPER R G 26-5 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,850.53	4,821.95	4,820.83	36.47	1.45	56.24	1,206.28	-9,565.94	8,506.82	8,473.51	33.31	255.366		
5,300.00	4,942.02	4,925.07	4,923.92	37.28	1.48	56.49	1,207.44	-9,564.22	8,481.75	8,447.66	34.08	248.847		
5,400.00	5,033.51	5,050.71	5,049.54	38.10	1.50	56.80	1,208.35	-9,561.86	8,456.52	8,421.67	34.85	242.630		
5,500.00	5,125.01	5,151.15	5,149.95	38.92	1.52	57.04	1,208.66	-9,559.77	8,431.14	8,395.51	35.63	236.628		
5,600.00	5,216.50	5,226.86	5,225.65	39.73	1.53	57.23	1,209.04	-9,558.18	8,405.95	8,369.54	36.42	230.832		
5,700.00	5,308.00	5,290.36	5,289.14	40.55	1.55	57.39	1,209.36	-9,557.04	8,381.15	8,343.94	37.21	225.259		
5,800.00	5,399.49	5,416.83	5,415.59	41.36	1.57	57.70	1,209.68	-9,554.86	8,356.49	8,318.51	37.99	219.984		
5,900.00	5,490.99	5,518.52	5,517.26	42.18	1.59	57.95	1,209.75	-9,552.81	8,331.65	8,292.88	38.78	214.870		
6,000.00	5,582.48	5,596.55	5,595.27	43.00	1.60	58.14	1,209.56	-9,551.33	8,306.97	8,267.40	39.57	209.923		
6,100.00	5,673.98	5,691.08	5,689.78	43.81	1.62	58.37	1,209.06	-9,549.68	8,282.48	8,242.11	40.37	205.180		
6,200.00	5,765.47	5,776.32	5,775.01	44.63	1.63	58.58	1,208.43	-9,548.26	8,258.13	8,216.96	41.17	200.602		
6,300.00	5,856.97	5,839.13	5,837.81	45.45	1.64	58.73	1,207.73	-9,547.39	8,234.07	8,192.10	41.97	196.173		
6,400.00	5,948.46	5,900.00	5,898.67	46.26	1.65	58.88	1,206.83	-9,546.93	8,210.54	8,167.76	42.78	191.914		
6,500.00	6,039.96	5,974.09	5,972.75	47.08	1.65	59.05	1,205.42	-9,546.70	8,187.42	8,143.83	43.59	187.830		
6,600.00	6,131.45	6,058.13	6,056.77	47.90	1.66	59.25	1,203.57	-9,546.61	8,164.52	8,120.13	44.40	183.904		
6,700.00	6,222.95	6,127.45	6,126.08	48.71	1.66	59.42	1,202.17	-9,546.59	8,141.88	8,096.67	45.21	180.097		
6,800.00	6,314.44	6,182.21	6,180.82	49.53	1.67	59.55	1,201.15	-9,546.78	8,119.74	8,073.72	46.03	176.411		
6,900.00	6,405.93	6,293.64	6,292.24	50.35	1.67	59.81	1,199.32	-9,547.34	8,097.94	8,051.11	46.83	172.916		
7,000.00	6,497.01	6,358.06	6,356.65	51.18	1.68	55.26	1,198.39	-9,547.57	8,075.01	8,027.35	47.66	169.424		
7,100.00	6,582.62	6,423.95	6,422.54	52.20	1.68	48.08	1,197.52	-9,548.03	8,039.85	7,991.27	48.58	165.503		
7,200.00	6,659.25	6,507.50	6,506.07	53.42	1.69	45.57	1,196.38	-9,548.68	7,990.22	7,940.65	49.57	161.206		
7,300.00	6,724.59	6,617.88	6,616.45	54.84	1.70	46.54	1,194.91	-9,549.06	7,927.31	7,876.72	50.58	156.718		
7,400.00	6,776.64	6,664.99	6,663.55	56.40	1.70	50.55	1,194.34	-9,549.11	7,853.31	7,801.68	51.63	152.117		
7,500.00	6,813.82	6,698.72	6,697.28	58.08	1.70	58.83	1,193.95	-9,549.16	7,770.61	7,717.97	52.64	147.618		
7,600.00	6,835.01	6,719.16	6,717.72	59.82	1.71	73.54	1,193.71	-9,549.19	7,681.66	7,628.07	53.59	143.349		
7,700.00	6,840.00	6,724.12	6,722.68	61.57	1.71	90.41	1,193.66	-9,549.20	7,589.18	7,534.74	54.44	139.401		
7,800.00	6,840.00	6,724.29	6,722.85	63.35	1.71	90.41	1,193.65	-9,549.20	7,496.17	7,440.89	55.28	135.597		
7,900.00	6,840.00	6,724.46	6,723.01	65.20	1.71	90.41	1,193.65	-9,549.20	7,403.35	7,347.19	56.16	131.835		
8,000.00	6,840.00	6,724.62	6,723.18	67.10	1.71	90.42	1,193.65	-9,549.20	7,310.71	7,253.65	57.06	128.119		
8,100.00	6,840.00	6,724.79	6,723.35	69.05	1.71	90.42	1,193.65	-9,549.20	7,218.28	7,160.27	58.00	124.449		
8,200.00	6,840.00	6,724.96	6,723.51	71.06	1.71	90.42	1,193.65	-9,549.20	7,126.04	7,067.07	58.98	120.828		
8,300.00	6,840.00	6,725.12	6,723.68	73.11	1.71	90.43	1,193.64	-9,549.20	7,034.02	6,974.03	59.99	117.259		
8,400.00	6,840.00	6,725.29	6,723.85	75.21	1.71	90.43	1,193.64	-9,549.20	6,942.22	6,881.19	61.03	113.742		
8,500.00	6,840.00	6,725.46	6,724.02	77.34	1.71	90.43	1,193.64	-9,549.21	6,850.65	6,788.53	62.12	110.280		
8,600.00	6,840.00	6,725.63	6,724.18	79.51	1.71	90.44	1,193.64	-9,549.21	6,759.32	6,696.07	63.25	106.875		
8,700.00	6,840.00	6,725.80	6,724.35	81.72	1.71	90.44	1,193.64	-9,549.21	6,668.24	6,603.82	64.41	103.527		
8,800.00	6,840.00	6,725.96	6,724.52	83.95	1.71	90.44	1,193.63	-9,549.21	6,577.41	6,511.79	65.62	100.239		
8,900.00	6,840.00	6,726.13	6,724.69	86.22	1.71	90.45	1,193.63	-9,549.21	6,486.86	6,419.99	66.87	97.011		
9,000.00	6,840.00	6,726.30	6,724.86	88.51	1.71	90.45	1,193.63	-9,549.21	6,396.58	6,328.42	68.16	93.844		
9,100.00	6,840.00	6,726.47	6,725.03	90.83	1.71	90.46	1,193.63	-9,549.21	6,306.61	6,237.10	69.50	90.740		
9,200.00	6,840.00	6,726.64	6,725.20	93.16	1.71	90.46	1,193.63	-9,549.21	6,216.93	6,146.04	70.89	87.699		
9,300.00	6,840.00	6,726.81	6,725.37	95.52	1.71	90.46	1,193.62	-9,549.21	6,127.58	6,055.25	72.32	84.723		
9,400.00	6,840.00	6,726.98	6,725.54	97.90	1.71	90.47	1,193.62	-9,549.21	6,038.56	5,964.75	73.81	81.811		
9,500.00	6,840.00	6,727.15	6,725.71	100.30	1.71	90.47	1,193.62	-9,549.21	5,949.89	5,874.54	75.35	78.965		
9,600.00	6,840.00	6,727.32	6,725.88	102.72	1.71	90.47	1,193.62	-9,549.21	5,861.58	5,784.64	76.94	76.184		
9,700.00	6,840.00	6,727.49	6,726.05	105.15	1.71	90.48	1,193.62	-9,549.21	5,773.66	5,695.07	78.59	73.469		
9,800.00	6,840.00	6,727.66	6,726.22	107.59	1.71	90.48	1,193.61	-9,549.21	5,686.13	5,605.84	80.29	70.821		
9,900.00	6,840.00	6,727.84	6,726.39	110.05	1.71	90.48	1,193.61	-9,549.21	5,599.02	5,516.97	82.05	68.238		
10,000.00	6,840.00	6,728.01	6,726.56	112.52	1.71	90.49	1,193.61	-9,549.21	5,512.35	5,428.48	83.87	65.722		
10,100.00	6,840.00	6,728.18	6,726.74	115.00	1.71	90.49	1,193.61	-9,549.21	5,426.14	5,340.38	85.76	63.273		
10,200.00	6,840.00	6,728.35	6,726.91	117.50	1.71	90.49	1,193.61	-9,549.21	5,340.41	5,252.70	87.71	60.889		
10,300.00	6,840.00	6,728.52	6,727.08	120.00	1.71	90.50	1,193.60	-9,549.21	5,255.19	5,165.46	89.72	58.571		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT DUPPER R G 26-5 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,840.00	6,728.70	6,727.25	122.51	1.71	90.50	1,193.60	-9,549.21	5,170.49	5,078.68	91.81	56.319		
10,500.00	6,840.00	6,728.87	6,727.43	125.04	1.71	90.51	1,193.60	-9,549.21	5,086.35	4,992.39	93.96	54.132		
10,600.00	6,840.00	6,729.04	6,727.60	127.57	1.71	90.51	1,193.60	-9,549.21	5,002.79	4,906.60	96.19	52.010		
10,700.00	6,840.00	6,729.22	6,727.77	130.11	1.71	90.51	1,193.60	-9,549.21	4,919.84	4,821.36	98.49	49.953		
10,800.00	6,840.00	6,729.39	6,727.95	132.66	1.71	90.52	1,193.59	-9,549.21	4,837.55	4,736.68	100.87	47.959		
10,900.00	6,840.00	6,729.56	6,728.12	135.21	1.71	90.52	1,193.59	-9,549.21	4,755.93	4,652.60	103.32	46.029		
11,000.00	6,840.00	6,729.74	6,728.29	137.77	1.71	90.52	1,193.59	-9,549.21	4,675.02	4,569.16	105.86	44.161		
11,100.00	6,840.00	6,729.91	6,728.47	140.34	1.71	90.53	1,193.59	-9,549.21	4,594.86	4,486.38	108.48	42.356		
11,200.00	6,840.00	6,730.09	6,728.64	142.91	1.71	90.53	1,193.59	-9,549.21	4,515.50	4,404.31	111.19	40.612		
11,300.00	6,840.00	6,730.26	6,728.82	145.49	1.71	90.53	1,193.58	-9,549.21	4,436.97	4,322.99	113.98	38.928		
11,400.00	6,840.00	6,730.44	6,728.99	148.07	1.71	90.54	1,193.58	-9,549.21	4,359.32	4,242.46	116.86	37.304		
11,500.00	6,840.00	6,730.61	6,729.17	150.66	1.71	90.54	1,193.58	-9,549.21	4,282.60	4,162.77	119.83	35.740		
11,600.00	6,840.00	6,730.79	6,729.34	153.25	1.71	90.54	1,193.58	-9,549.21	4,206.86	4,083.97	122.89	34.233		
11,700.00	6,840.00	6,730.96	6,729.52	155.85	1.71	90.55	1,193.58	-9,549.22	4,132.14	4,006.11	126.04	32.785		
11,800.00	6,840.00	6,731.14	6,729.70	158.45	1.71	90.55	1,193.57	-9,549.22	4,058.52	3,929.24	129.28	31.393		
11,900.00	6,840.00	6,731.32	6,729.87	161.06	1.71	90.56	1,193.57	-9,549.22	3,986.05	3,853.43	132.62	30.056		
12,000.00	6,840.00	6,731.49	6,730.05	163.67	1.71	90.56	1,193.57	-9,549.22	3,914.79	3,778.74	136.05	28.775		
12,100.00	6,840.00	6,731.67	6,730.23	166.28	1.71	90.56	1,193.57	-9,549.22	3,844.80	3,705.23	139.57	27.548		
12,200.00	6,840.00	6,731.85	6,730.40	168.90	1.71	90.57	1,193.57	-9,549.22	3,776.17	3,632.99	143.18	26.374		
12,300.00	6,840.00	6,732.02	6,730.58	171.52	1.71	90.57	1,193.56	-9,549.22	3,708.97	3,562.09	146.88	25.252		
12,400.00	6,840.00	6,732.20	6,730.76	174.15	1.71	90.57	1,193.56	-9,549.22	3,643.27	3,492.61	150.66	24.181		
12,500.00	6,840.00	6,732.38	6,730.94	176.77	1.71	90.58	1,193.56	-9,549.22	3,579.16	3,424.63	154.53	23.161		
12,600.00	6,840.00	6,732.56	6,731.11	179.40	1.71	90.58	1,193.56	-9,549.22	3,516.73	3,358.26	158.47	22.191		
12,700.00	6,840.00	6,732.74	6,731.29	182.04	1.71	90.58	1,193.56	-9,549.22	3,456.06	3,293.57	162.49	21.270		
12,800.00	6,840.00	6,732.92	6,731.47	184.67	1.71	90.59	1,193.55	-9,549.22	3,397.25	3,230.69	166.56	20.396		
12,900.00	6,840.00	6,733.10	6,731.65	187.31	1.71	90.59	1,193.55	-9,549.22	3,340.41	3,169.71	170.70	19.569		
13,000.00	6,840.00	6,733.27	6,731.83	189.95	1.71	90.60	1,193.55	-9,549.22	3,285.62	3,110.74	174.87	18.789		
13,100.00	6,840.00	6,733.45	6,732.01	192.59	1.71	90.60	1,193.55	-9,549.22	3,232.99	3,053.91	179.08	18.053		
13,200.00	6,840.00	6,733.63	6,732.19	195.24	1.71	90.60	1,193.55	-9,549.22	3,182.64	2,999.33	183.31	17.362		
13,300.00	6,840.00	6,733.81	6,732.37	197.88	1.71	90.61	1,193.54	-9,549.22	3,134.68	2,947.13	187.55	16.714		
13,400.00	6,840.00	6,734.00	6,732.55	200.53	1.71	90.61	1,193.54	-9,549.22	3,089.20	2,897.43	191.77	16.109		
13,500.00	6,840.00	6,734.18	6,732.73	203.18	1.71	90.61	1,193.54	-9,549.22	3,046.33	2,850.37	195.96	15.546		
13,600.00	6,840.00	6,734.36	6,732.91	205.83	1.71	90.62	1,193.54	-9,549.22	3,006.18	2,806.08	200.10	15.023		
13,700.00	6,840.00	6,734.54	6,733.09	208.49	1.71	90.62	1,193.53	-9,549.22	2,968.85	2,764.68	204.18	14.541		
13,800.00	6,840.00	6,734.72	6,733.28	211.14	1.71	90.63	1,193.53	-9,549.22	2,934.46	2,726.31	208.15	14.098		
13,900.00	6,840.00	6,734.90	6,733.46	213.80	1.71	90.63	1,193.53	-9,549.22	2,903.11	2,691.09	212.02	13.693		
14,000.00	6,840.00	6,735.08	6,733.64	216.46	1.71	90.63	1,193.53	-9,549.22	2,874.89	2,659.15	215.74	13.326		
14,100.00	6,840.00	6,735.27	6,733.82	219.12	1.71	90.64	1,193.53	-9,549.22	2,849.91	2,630.61	219.30	12.995		
14,200.00	6,840.00	6,735.45	6,734.00	221.78	1.71	90.64	1,193.52	-9,549.22	2,828.24	2,605.57	222.67	12.701		
14,300.00	6,840.00	6,735.63	6,734.19	224.45	1.71	90.64	1,193.52	-9,549.22	2,809.97	2,584.13	225.84	12.443		
14,400.00	6,840.00	6,735.82	6,734.37	227.11	1.71	90.65	1,193.52	-9,549.22	2,795.16	2,566.39	228.77	12.218		
14,500.00	6,840.00	6,736.00	6,734.55	229.78	1.71	90.65	1,193.52	-9,549.22	2,783.86	2,552.41	231.45	12.028		
14,600.00	6,840.00	6,736.18	6,734.74	232.45	1.71	90.66	1,193.52	-9,549.22	2,776.12	2,542.25	233.87	11.870		
14,700.00	6,840.00	6,736.37	6,734.92	235.12	1.71	90.66	1,193.51	-9,549.23	2,771.97	2,535.97	236.00	11.745		
14,765.14	6,840.00	6,736.49	6,735.04	236.86	1.71	90.66	1,193.51	-9,549.23	2,771.21	2,533.97	237.24	11.681 CC		
14,800.00	6,840.00	6,736.55	6,735.11	237.79	1.71	90.66	1,193.51	-9,549.23	2,771.42	2,533.58	237.85	11.652 ES		
14,900.00	6,840.00	6,736.74	6,735.29	240.46	1.71	90.67	1,193.51	-9,549.23	2,774.48	2,535.09	239.39	11.590		
15,000.00	6,840.00	6,736.92	6,735.48	243.13	1.71	90.67	1,193.51	-9,549.23	2,781.14	2,540.51	240.63	11.558		
15,100.00	6,840.00	6,737.11	6,735.66	245.80	1.71	90.68	1,193.51	-9,549.23	2,791.36	2,549.80	241.56	11.555 SF		
15,200.00	6,840.00	6,737.29	6,735.85	248.48	1.71	90.68	1,193.50	-9,549.23	2,805.12	2,562.92	242.20	11.582		
15,300.00	6,840.00	6,737.48	6,736.03	251.15	1.71	90.68	1,193.50	-9,549.23	2,822.35	2,579.81	242.54	11.637		
15,400.00	6,840.00	6,737.66	6,736.22	253.83	1.71	90.69	1,193.50	-9,549.23	2,843.00	2,600.41	242.59	11.719		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT DUPPER R G 26-5 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	6,840.00	6,737.85	6,736.41	256.51	1.71	90.69	1,193.50	-9,549.23	2,866.98	2,624.62	242.37	11.829		
15,600.00	6,840.00	6,738.04	6,736.59	259.19	1.71	90.69	1,193.49	-9,549.23	2,894.23	2,652.34	241.89	11.965		
15,700.00	6,840.00	6,738.22	6,736.78	261.87	1.71	90.70	1,193.49	-9,549.23	2,924.64	2,683.48	241.16	12.127		
15,800.00	6,840.00	6,738.41	6,736.97	264.55	1.71	90.70	1,193.49	-9,549.23	2,958.13	2,717.91	240.22	12.314		
15,900.00	6,840.00	6,738.60	6,737.15	267.23	1.71	90.71	1,193.49	-9,549.23	2,994.58	2,755.52	239.06	12.526		
16,000.00	6,840.00	6,738.79	6,737.34	269.91	1.71	90.71	1,193.49	-9,549.23	3,033.88	2,796.17	237.72	12.763		
16,100.00	6,840.00	6,738.97	6,737.53	272.59	1.71	90.71	1,193.48	-9,549.23	3,075.94	2,839.74	236.20	13.022		
16,200.00	6,840.00	6,739.16	6,737.72	275.28	1.71	90.72	1,193.48	-9,549.23	3,120.64	2,886.10	234.54	13.305		
16,300.00	6,840.00	6,739.35	6,737.91	277.96	1.71	90.72	1,193.48	-9,549.23	3,167.87	2,935.12	232.75	13.611		
16,400.00	6,840.00	6,739.54	6,738.10	280.64	1.71	90.73	1,193.48	-9,549.23	3,217.51	2,986.66	230.84	13.938		
16,500.00	6,840.00	6,739.73	6,738.28	283.33	1.71	90.73	1,193.48	-9,549.23	3,269.45	3,040.61	228.84	14.287		
16,600.00	6,840.00	6,739.92	6,738.47	286.02	1.71	90.73	1,193.47	-9,549.23	3,323.59	3,096.84	226.76	14.657		
16,700.00	6,840.00	6,740.11	6,738.66	288.70	1.71	90.74	1,193.47	-9,549.23	3,379.83	3,155.22	224.61	15.047		
16,800.00	6,840.00	6,740.30	6,738.85	291.39	1.71	90.74	1,193.47	-9,549.23	3,438.06	3,215.64	222.41	15.458		
16,900.00	6,840.00	6,740.49	6,739.04	294.08	1.71	90.75	1,193.47	-9,549.23	3,498.17	3,278.00	220.17	15.888		
17,000.00	6,840.00	6,740.68	6,739.23	296.77	1.71	90.75	1,193.46	-9,549.23	3,560.08	3,342.17	217.91	16.338		
17,100.00	6,840.00	6,740.87	6,739.43	299.46	1.71	90.75	1,193.46	-9,549.23	3,623.69	3,408.07	215.62	16.806		
17,200.00	6,840.00	6,741.06	6,739.62	302.14	1.71	90.76	1,193.46	-9,549.23	3,688.92	3,475.59	213.33	17.292		
17,300.00	6,840.00	6,741.25	6,739.81	304.84	1.71	90.76	1,193.46	-9,549.23	3,755.67	3,544.64	211.03	17.797		
17,400.00	6,840.00	6,741.45	6,740.00	307.53	1.71	90.77	1,193.46	-9,549.23	3,823.88	3,615.13	208.75	18.318		
17,500.00	6,840.00	6,741.64	6,740.19	310.22	1.71	90.77	1,193.45	-9,549.24	3,893.46	3,686.99	206.47	18.857		
17,600.00	6,840.00	6,741.83	6,740.39	312.91	1.71	90.77	1,193.45	-9,549.24	3,964.34	3,760.12	204.22	19.412		
17,700.00	6,840.00	6,742.02	6,740.58	315.60	1.71	90.78	1,193.45	-9,549.24	4,036.45	3,834.47	201.98	19.984		
17,800.00	6,840.00	6,742.22	6,740.77	318.29	1.71	90.78	1,193.45	-9,549.24	4,109.74	3,909.96	199.77	20.572		
17,900.00	6,840.00	6,742.41	6,740.96	320.99	1.71	90.78	1,193.44	-9,549.24	4,184.12	3,986.53	197.60	21.175		
18,000.00	6,840.00	6,742.60	6,741.16	323.68	1.71	90.79	1,193.44	-9,549.24	4,259.56	4,064.11	195.45	21.793		
18,100.00	6,840.00	6,742.80	6,741.35	326.38	1.71	90.79	1,193.44	-9,549.24	4,335.99	4,142.65	193.34	22.427		
18,200.00	6,840.00	6,742.99	6,741.55	329.07	1.71	90.80	1,193.44	-9,549.24	4,413.37	4,222.10	191.27	23.074		
18,300.00	6,840.00	6,743.19	6,741.74	331.77	1.71	90.80	1,193.43	-9,549.24	4,491.63	4,302.40	189.23	23.736		
18,400.00	6,840.00	6,743.38	6,741.94	334.46	1.71	90.81	1,193.43	-9,549.24	4,570.75	4,383.51	187.24	24.412		
18,500.00	6,840.00	6,743.58	6,742.13	337.16	1.71	90.81	1,193.43	-9,549.24	4,650.67	4,465.39	185.28	25.101		
18,600.00	6,840.00	6,743.77	6,742.33	339.85	1.71	90.81	1,193.43	-9,549.24	4,731.35	4,547.99	183.37	25.803		
18,700.00	6,840.00	6,743.97	6,742.52	342.55	1.71	90.82	1,193.43	-9,549.24	4,812.76	4,631.27	181.49	26.518		
18,800.00	6,840.00	6,744.16	6,742.72	345.25	1.71	90.82	1,193.42	-9,549.24	4,894.86	4,715.20	179.66	27.246		
18,900.00	6,840.00	6,744.36	6,742.92	347.94	1.71	90.83	1,193.42	-9,549.24	4,977.61	4,799.75	177.86	27.985		
19,000.00	6,840.00	6,744.56	6,743.11	350.64	1.71	90.83	1,193.42	-9,549.24	5,060.99	4,884.87	176.11	28.737		
19,100.00	6,840.00	6,744.75	6,743.31	353.34	1.71	90.83	1,193.42	-9,549.24	5,144.95	4,970.55	174.40	29.501		
19,200.00	6,840.00	6,744.95	6,743.51	356.04	1.71	90.84	1,193.41	-9,549.24	5,229.48	5,056.76	172.73	30.276		
19,300.00	6,840.00	6,745.15	6,743.70	358.74	1.71	90.84	1,193.41	-9,549.24	5,314.55	5,143.46	171.09	31.062		
19,400.00	6,840.00	6,745.35	6,743.90	361.44	1.71	90.85	1,193.41	-9,549.24	5,400.13	5,230.63	169.50	31.859		
19,500.00	6,840.00	6,745.55	6,744.10	364.13	1.71	90.85	1,193.41	-9,549.24	5,486.20	5,318.26	167.94	32.667		
19,600.00	6,840.00	6,745.74	6,744.30	366.83	1.71	90.85	1,193.41	-9,549.24	5,572.74	5,406.31	166.42	33.485		
19,700.00	6,840.00	6,745.94	6,744.50	369.53	1.71	90.86	1,193.40	-9,549.24	5,659.71	5,494.77	164.94	34.313		
19,800.00	6,840.00	6,746.14	6,744.70	372.23	1.71	90.86	1,193.40	-9,549.24	5,747.11	5,583.62	163.50	35.151		
19,900.00	6,840.00	6,746.34	6,744.90	374.94	1.71	90.87	1,193.40	-9,549.24	5,834.92	5,672.84	162.08	35.999		
20,000.00	6,840.00	6,746.54	6,745.10	377.64	1.71	90.87	1,193.40	-9,549.24	5,923.11	5,762.40	160.71	36.856		
20,100.00	6,840.00	6,746.74	6,745.30	380.34	1.71	90.87	1,193.39	-9,549.25	6,011.67	5,852.31	159.36	37.723		
20,200.00	6,840.00	6,746.94	6,745.50	383.04	1.71	90.88	1,193.39	-9,549.25	6,100.59	5,942.54	158.05	38.598		
20,300.00	6,840.00	6,747.14	6,745.70	385.74	1.71	90.88	1,193.39	-9,549.25	6,189.84	6,033.07	156.77	39.482		
20,400.00	6,840.00	6,747.35	6,745.90	388.44	1.71	90.89	1,193.39	-9,549.25	6,279.42	6,123.89	155.53	40.375		
20,500.00	6,840.00	6,747.55	6,746.10	391.14	1.71	90.89	1,193.38	-9,549.25	6,369.31	6,215.00	154.31	41.276		
20,552.28	6,840.00	6,747.65	6,746.21	392.56	1.71	90.89	1,193.38	-9,549.25	6,416.42	6,262.73	153.69	41.750		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT DUPPER R G 26-6 - 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	-81.51	1,227.61	-8,227.82	8,319.91					
100.00	100.00	0.00	0.00	0.13	0.00	-81.51	1,227.61	-8,227.82	8,318.95	8,318.82	0.13	N/A		
147.62	147.62	17.62	17.62	0.31	0.14	-81.51	1,227.61	-8,227.82	8,318.90	8,318.46	0.44	N/A		
200.00	200.00	70.00	70.00	0.49	0.54	-81.51	1,227.61	-8,227.82	8,318.90	8,317.87	1.03	8,072.990		
300.00	300.00	170.00	170.00	0.85	1.99	-81.51	1,227.61	-8,227.82	8,318.90	8,316.06	2.84	2,928.111		
400.00	399.98	269.98	269.98	1.20	3.73	46.56	1,227.61	-8,227.82	8,317.70	8,312.77	4.93	1,686.412		
500.00	499.84	369.84	369.84	1.55	5.48	46.64	1,227.61	-8,227.82	8,314.10	8,307.08	7.02	1,184.095		
600.00	599.45	469.45	469.45	1.91	7.22	46.77	1,227.61	-8,227.82	8,308.11	8,298.99	9.12	911.022		
700.00	698.70	568.70	568.70	2.29	8.95	46.96	1,227.61	-8,227.82	8,299.74	8,288.52	11.23	739.395		
800.00	797.47	667.47	667.47	2.70	10.67	47.19	1,227.61	-8,227.82	8,289.02	8,275.68	13.34	621.443		
900.00	895.62	765.62	765.62	3.14	12.39	47.48	1,227.61	-8,227.82	8,275.96	8,260.50	15.46	535.298		
1,000.00	993.06	863.06	863.06	3.62	14.09	47.83	1,227.61	-8,227.82	8,260.59	8,243.00	17.59	469.548		
1,100.00	1,089.64	959.64	959.64	4.14	15.77	48.22	1,227.61	-8,227.82	8,242.95	8,223.22	19.74	417.657		
1,200.00	1,185.27	1,055.27	1,055.27	4.70	17.44	48.68	1,227.61	-8,227.82	8,223.08	8,201.19	21.89	375.616		
1,300.00	1,279.82	1,149.82	1,149.82	5.31	19.09	49.18	1,227.61	-8,227.82	8,201.01	8,176.95	24.06	340.829		
1,400.00	1,373.17	1,243.17	1,243.17	5.98	20.72	49.75	1,227.61	-8,227.82	8,176.81	8,150.56	26.25	311.541		
1,500.00	1,465.22	1,335.22	1,335.22	6.70	22.33	50.32	1,227.61	-8,227.82	8,150.52	8,122.07	28.45	286.510		
1,600.00	1,556.72	1,426.72	1,426.72	7.45	23.92	50.53	1,227.61	-8,227.82	8,123.47	8,092.81	30.66	264.967		
1,700.00	1,648.21	1,518.21	1,518.21	8.21	25.52	50.74	1,227.61	-8,227.82	8,096.53	8,063.64	32.88	246.220		
1,800.00	1,739.71	1,609.71	1,609.71	8.99	27.12	50.95	1,227.61	-8,227.82	8,069.70	8,034.58	35.12	229.777		
1,900.00	1,831.20	1,701.20	1,701.20	9.77	28.71	51.16	1,227.61	-8,227.82	8,042.98	8,005.61	37.37	215.251		
2,000.00	1,922.69	1,807.31	1,792.69	10.56	30.57	51.38	1,227.61	-8,227.82	8,016.38	7,976.50	39.87	201.039		
2,100.00	2,014.19	1,884.19	1,884.19	11.35	31.91	51.59	1,227.61	-8,227.82	7,989.89	7,948.01	41.88	190.775		
2,200.00	2,105.68	1,975.68	1,975.68	12.14	33.50	51.81	1,227.61	-8,227.82	7,963.52	7,919.37	44.15	180.378		
2,300.00	2,197.18	2,067.18	2,067.18	12.94	35.10	52.02	1,227.61	-8,227.82	7,937.26	7,890.84	46.42	170.979		
2,400.00	2,288.67	2,158.67	2,158.67	13.74	36.70	52.24	1,227.61	-8,227.82	7,911.13	7,862.43	48.70	162.442		
2,500.00	2,380.17	2,250.17	2,250.17	14.54	38.30	52.46	1,227.61	-8,227.82	7,885.11	7,834.13	50.99	154.655		
2,600.00	2,471.66	2,341.66	2,341.66	15.35	39.89	52.68	1,227.61	-8,227.82	7,859.22	7,805.94	53.27	147.526		
2,700.00	2,563.16	2,433.16	2,433.16	16.15	41.49	52.90	1,227.61	-8,227.82	7,833.44	7,777.88	55.57	140.975		
2,800.00	2,654.65	2,524.65	2,524.65	16.96	43.09	53.13	1,227.61	-8,227.82	7,807.80	7,749.93	57.86	134.935		
2,900.00	2,746.15	2,616.15	2,616.15	17.76	44.68	53.35	1,227.61	-8,227.82	7,782.27	7,722.11	60.16	129.351		
3,000.00	2,837.64	2,707.64	2,707.64	18.57	46.28	53.58	1,227.61	-8,227.82	7,756.88	7,694.41	62.47	124.172		
3,100.00	2,929.14	2,800.86	2,799.14	19.38	47.91	53.81	1,227.61	-8,227.82	7,731.60	7,666.80	64.81	119.301		
3,200.00	3,020.63	2,909.37	2,890.63	20.19	49.80	54.03	1,227.61	-8,227.82	7,706.46	7,639.05	67.42	114.310		
3,300.00	3,112.13	2,982.13	2,982.13	21.00	51.07	54.26	1,227.61	-8,227.82	7,681.45	7,612.04	69.41	110.674		
3,400.00	3,203.62	3,073.62	3,073.62	21.81	52.67	54.50	1,227.61	-8,227.82	7,656.57	7,584.84	71.73	106.749		
3,500.00	3,295.12	3,165.12	3,165.12	22.63	54.26	54.73	1,227.61	-8,227.82	7,631.82	7,557.77	74.05	103.066		
3,600.00	3,386.61	3,256.61	3,256.61	23.44	55.86	54.96	1,227.61	-8,227.82	7,607.21	7,530.83	76.37	99.604		
3,700.00	3,478.10	3,348.10	3,348.10	24.25	57.46	55.20	1,227.61	-8,227.82	7,582.72	7,504.02	78.70	96.345		
3,800.00	3,569.60	3,439.60	3,439.60	25.06	59.05	55.44	1,227.61	-8,227.82	7,558.38	7,477.34	81.04	93.271		
3,900.00	3,661.09	3,531.09	3,531.09	25.88	60.65	55.67	1,227.61	-8,227.82	7,534.17	7,450.80	83.37	90.367		
4,000.00	3,752.59	3,622.59	3,622.59	26.69	62.25	55.91	1,227.61	-8,227.82	7,510.11	7,424.39	85.71	87.619		
4,100.00	3,844.08	3,714.08	3,714.08	27.50	63.85	56.15	1,227.61	-8,227.82	7,486.18	7,398.12	88.06	85.016		
4,200.00	3,935.58	3,805.58	3,805.58	28.32	65.44	56.40	1,227.61	-8,227.82	7,462.39	7,371.99	90.40	82.547		
4,300.00	4,027.07	3,902.93	3,897.07	29.13	67.14	56.64	1,227.61	-8,227.82	7,438.75	7,345.90	92.85	80.113		
4,400.00	4,118.57	3,988.57	3,988.57	29.95	68.64	56.89	1,227.61	-8,227.82	7,415.25	7,320.15	95.10	77.970		
4,500.00	4,210.06	4,080.06	4,080.06	30.76	70.23	57.13	1,227.61	-8,227.82	7,391.90	7,294.44	97.46	75.846		
4,600.00	4,301.56	4,171.56	4,171.56	31.58	71.83	57.38	1,227.61	-8,227.82	7,368.69	7,268.87	99.82	73.821		
4,700.00	4,393.05	4,263.05	4,263.05	32.39	73.43	57.63	1,227.61	-8,227.82	7,345.63	7,243.45	102.18	71.890		
4,800.00	4,484.55	4,354.55	4,354.55	33.21	75.02	57.88	1,227.61	-8,227.82	7,322.72	7,218.18	104.54	70.044		
4,900.00	4,576.04	4,446.04	4,446.04	34.02	76.62	58.13	1,227.61	-8,227.82	7,299.97	7,193.06	106.91	68.280		
5,000.00	4,667.54	4,537.54	4,537.54	34.84	78.22	58.39	1,227.61	-8,227.82	7,277.36	7,168.08	109.28	66.592		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT DUPER R G 26-6 - 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	4,759.03	4,629.03	4,629.03	35.65	79.81	58.64	1,227.61	-8,227.82	7,254.91	7,143.26	111.66	64.975		
5,200.00	4,850.53	4,720.53	4,720.53	36.47	81.41	58.90	1,227.61	-8,227.82	7,232.62	7,118.58	114.03	63.425		
5,300.00	4,942.02	4,812.02	4,812.02	37.28	83.01	59.15	1,227.61	-8,227.82	7,210.48	7,094.07	116.41	61.938		
5,400.00	5,033.51	4,903.51	4,903.51	38.10	84.61	59.41	1,227.61	-8,227.82	7,188.50	7,069.70	118.80	60.510		
5,500.00	5,125.01	5,004.99	4,995.01	38.92	86.38	59.67	1,227.61	-8,227.82	7,166.68	7,045.32	121.36	59.054		
5,600.00	5,216.50	5,086.50	5,086.50	39.73	87.80	59.94	1,227.61	-8,227.82	7,145.02	7,021.45	123.57	57.820		
5,700.00	5,308.00	5,178.00	5,178.00	40.55	89.40	60.20	1,227.61	-8,227.82	7,123.53	6,997.56	125.96	56.552		
5,800.00	5,399.49	5,269.49	5,269.49	41.36	90.99	60.46	1,227.61	-8,227.82	7,102.20	6,973.84	128.36	55.330		
5,900.00	5,490.99	5,360.99	5,360.99	42.18	92.59	60.73	1,227.61	-8,227.82	7,081.03	6,950.28	130.76	54.154		
6,000.00	5,582.48	5,452.48	5,452.48	43.00	94.19	61.00	1,227.61	-8,227.82	7,060.03	6,926.88	133.16	53.020		
6,100.00	5,673.98	5,543.98	5,543.98	43.81	95.78	61.27	1,227.61	-8,227.82	7,039.21	6,903.64	135.56	51.926		
6,200.00	5,765.47	5,635.47	5,635.47	44.63	97.38	61.54	1,227.61	-8,227.82	7,018.55	6,880.58	137.97	50.871		
6,300.00	5,856.97	5,726.97	5,726.97	45.45	98.98	61.81	1,227.61	-8,227.82	6,998.06	6,857.68	140.38	49.852		
6,400.00	5,948.46	5,818.46	5,818.46	46.26	100.57	62.08	1,227.61	-8,227.82	6,977.75	6,834.96	142.79	48.868		
6,500.00	6,039.96	5,909.96	5,909.96	47.08	102.17	62.35	1,227.61	-8,227.82	6,957.61	6,812.40	145.20	47.916		
6,600.00	6,131.45	6,001.45	6,001.45	47.90	103.77	62.63	1,227.61	-8,227.82	6,937.64	6,790.02	147.62	46.996		
6,700.00	6,222.95	6,102.95	6,092.95	48.71	105.61	62.91	1,227.61	-8,227.82	6,917.86	6,767.57	150.29	46.031		
6,800.00	6,314.44	6,184.44	6,184.44	49.53	106.96	63.18	1,227.61	-8,227.82	6,898.25	6,745.79	152.46	45.245		
6,900.00	6,405.93	6,275.93	6,275.93	50.35	108.56	63.46	1,227.61	-8,227.82	6,878.83	6,723.94	154.89	44.411		
7,000.00	6,497.01	6,367.01	6,367.01	51.18	110.15	59.06	1,227.61	-8,227.82	6,858.43	6,701.11	157.32	43.596		
7,100.00	6,588.62	6,458.62	6,458.62	52.00	111.64	52.11	1,227.61	-8,227.82	6,825.77	6,666.01	159.76	42.725		
7,200.00	6,659.25	6,529.25	6,529.25	53.42	112.98	49.85	1,227.61	-8,227.82	6,778.91	6,616.76	162.15	41.806		
7,300.00	6,724.59	6,605.41	6,594.59	54.84	114.31	50.89	1,227.61	-8,227.82	6,719.33	6,554.72	164.60	40.821		
7,400.00	6,776.64	6,646.64	6,646.64	56.40	115.03	55.11	1,227.61	-8,227.82	6,648.88	6,482.40	166.48	39.937		
7,500.00	6,813.82	6,683.82	6,683.82	58.08	115.68	63.14	1,227.61	-8,227.82	6,569.73	6,401.44	168.29	39.038		
7,600.00	6,835.01	6,705.01	6,705.01	59.82	116.05	76.18	1,227.61	-8,227.82	6,484.27	6,314.49	169.77	38.193		
7,700.00	6,840.00	6,710.00	6,710.00	61.57	116.13	90.00	1,227.61	-8,227.82	6,395.10	6,224.20	170.90	37.419		
7,800.00	6,840.00	6,710.00	6,710.00	63.35	116.13	90.00	1,227.61	-8,227.82	6,305.44	6,133.49	171.95	36.671		
7,900.00	6,840.00	6,710.00	6,710.00	65.20	116.13	90.00	1,227.61	-8,227.82	6,216.09	6,043.06	173.03	35.925		
8,000.00	6,840.00	6,710.00	6,710.00	67.10	116.13	90.00	1,227.61	-8,227.82	6,127.07	5,952.91	174.16	35.180		
8,100.00	6,840.00	6,710.00	6,710.00	69.05	116.13	90.00	1,227.61	-8,227.82	6,038.39	5,863.05	175.34	34.438		
8,200.00	6,840.00	6,710.00	6,710.00	71.06	116.13	90.00	1,227.61	-8,227.82	5,950.08	5,773.51	176.56	33.699		
8,300.00	6,840.00	6,710.00	6,710.00	73.11	116.13	90.00	1,227.61	-8,227.82	5,862.13	5,684.29	177.84	32.963		
8,400.00	6,840.00	6,710.00	6,710.00	75.21	116.13	90.00	1,227.61	-8,227.82	5,774.59	5,595.42	179.16	32.231		
8,500.00	6,840.00	6,710.00	6,710.00	77.34	116.13	90.00	1,227.61	-8,227.82	5,687.45	5,506.90	180.54	31.502		
8,600.00	6,840.00	6,710.00	6,710.00	79.51	116.13	90.00	1,227.61	-8,227.82	5,600.74	5,418.76	181.97	30.778		
8,700.00	6,840.00	6,710.00	6,710.00	81.72	116.13	90.00	1,227.61	-8,227.82	5,514.48	5,331.02	183.46	30.058		
8,800.00	6,840.00	6,710.00	6,710.00	83.95	116.13	90.00	1,227.61	-8,227.82	5,428.69	5,243.69	185.01	29.343		
8,900.00	6,840.00	6,710.00	6,710.00	86.22	116.13	90.00	1,227.61	-8,227.82	5,343.40	5,156.79	186.61	28.634		
9,000.00	6,840.00	6,710.00	6,710.00	88.51	116.13	90.00	1,227.61	-8,227.82	5,258.62	5,070.35	188.28	27.930		
9,100.00	6,840.00	6,710.00	6,710.00	90.83	116.13	90.00	1,227.61	-8,227.82	5,174.39	4,984.39	190.00	27.233		
9,200.00	6,840.00	6,710.00	6,710.00	93.16	116.13	90.00	1,227.61	-8,227.82	5,090.73	4,898.94	191.80	26.543		
9,300.00	6,840.00	6,710.00	6,710.00	95.52	116.13	90.00	1,227.61	-8,227.82	5,007.67	4,814.02	193.65	25.859		
9,400.00	6,840.00	6,710.00	6,710.00	97.90	116.13	90.00	1,227.61	-8,227.82	4,925.24	4,729.66	195.58	25.183		
9,500.00	6,840.00	6,710.00	6,710.00	100.30	116.13	90.00	1,227.61	-8,227.82	4,843.47	4,645.90	197.57	24.515		
9,600.00	6,840.00	6,710.00	6,710.00	102.72	116.13	90.00	1,227.61	-8,227.82	4,762.40	4,562.76	199.64	23.855		
9,700.00	6,840.00	6,710.00	6,710.00	105.15	116.13	90.00	1,227.61	-8,227.82	4,682.06	4,480.28	201.78	23.204		
9,800.00	6,840.00	6,710.00	6,710.00	107.59	116.13	90.00	1,227.61	-8,227.82	4,602.49	4,398.49	204.00	22.562		
9,900.00	6,840.00	6,710.00	6,710.00	110.05	116.13	90.00	1,227.61	-8,227.82	4,523.73	4,317.44	206.29	21.929		
10,000.00	6,840.00	6,710.00	6,710.00	112.52	116.13	90.00	1,227.61	-8,227.82	4,445.82	4,237.16	208.66	21.307		
10,100.00	6,840.00	6,710.00	6,710.00	115.00	116.13	90.00	1,227.61	-8,227.82	4,368.81	4,157.70	211.11	20.695		
10,200.00	6,840.00	6,710.00	6,710.00	117.50	116.13	90.00	1,227.61	-8,227.82	4,292.75	4,079.11	213.64	20.093		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT DUPPER R G 26-6 - 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		
10,300.00	6,840.00	6,710.00	6,710.00	120.00	116.13	90.00	1,227.61	-8,227.82	4,217.70	4,001.44	216.25	19.503		
10,400.00	6,840.00	6,710.00	6,710.00	122.51	116.13	90.00	1,227.61	-8,227.82	4,143.69	3,924.74	218.95	18.925		
10,500.00	6,840.00	6,710.00	6,710.00	125.04	116.13	90.00	1,227.61	-8,227.82	4,070.80	3,849.07	221.73	18.359		
10,600.00	6,840.00	6,710.00	6,710.00	127.57	116.13	90.00	1,227.61	-8,227.82	3,999.08	3,774.48	224.59	17.806		
10,700.00	6,840.00	6,710.00	6,710.00	130.11	116.13	90.00	1,227.61	-8,227.82	3,928.59	3,701.05	227.54	17.266		
10,800.00	6,840.00	6,710.00	6,710.00	132.66	116.13	90.00	1,227.61	-8,227.82	3,859.41	3,628.84	230.57	16.739		
10,900.00	6,840.00	6,710.00	6,710.00	135.21	116.13	90.00	1,227.61	-8,227.82	3,791.60	3,557.92	233.68	16.226		
11,000.00	6,840.00	6,710.00	6,710.00	137.77	116.13	90.00	1,227.61	-8,227.82	3,725.25	3,488.38	236.87	15.727		
11,100.00	6,840.00	6,710.00	6,710.00	140.34	116.13	90.00	1,227.61	-8,227.82	3,660.42	3,420.28	240.14	15.243		
11,200.00	6,840.00	6,710.00	6,710.00	142.91	116.13	90.00	1,227.61	-8,227.82	3,597.21	3,353.73	243.48	14.774		
11,300.00	6,840.00	6,710.00	6,710.00	145.49	116.13	90.00	1,227.61	-8,227.82	3,535.69	3,288.80	246.90	14.321		
11,400.00	6,840.00	6,710.00	6,710.00	148.07	116.13	90.00	1,227.61	-8,227.82	3,475.97	3,225.59	250.37	13.883		
11,500.00	6,840.00	6,710.00	6,710.00	150.66	116.13	90.00	1,227.61	-8,227.82	3,418.12	3,164.21	253.91	13.462		
11,600.00	6,840.00	6,710.00	6,710.00	153.25	116.13	90.00	1,227.61	-8,227.82	3,362.26	3,104.76	257.50	13.057		
11,700.00	6,840.00	6,710.00	6,710.00	155.85	116.13	90.00	1,227.61	-8,227.82	3,308.47	3,047.34	261.13	12.670		
11,800.00	6,840.00	6,710.00	6,710.00	158.45	116.13	90.00	1,227.61	-8,227.82	3,256.87	2,992.07	264.80	12.300		
11,900.00	6,840.00	6,710.00	6,710.00	161.06	116.13	90.00	1,227.61	-8,227.82	3,207.56	2,939.07	268.48	11.947		
12,000.00	6,840.00	6,710.00	6,710.00	163.67	116.13	90.00	1,227.61	-8,227.82	3,160.64	2,888.46	272.18	11.612		
12,100.00	6,840.00	6,710.00	6,710.00	166.28	116.13	90.00	1,227.61	-8,227.82	3,116.23	2,840.35	275.87	11.296		
12,200.00	6,840.00	6,710.00	6,710.00	168.90	116.13	90.00	1,227.61	-8,227.82	3,074.42	2,794.88	279.54	10.998		
12,300.00	6,840.00	6,710.00	6,710.00	171.52	116.13	90.00	1,227.61	-8,227.82	3,035.34	2,752.16	283.18	10.719		
12,400.00	6,840.00	6,710.00	6,710.00	174.15	116.13	90.00	1,227.61	-8,227.82	2,999.09	2,712.32	286.76	10.458		
12,500.00	6,840.00	6,710.00	6,710.00	176.77	116.13	90.00	1,227.61	-8,227.82	2,965.76	2,675.49	290.27	10.217		
12,600.00	6,840.00	6,710.00	6,710.00	179.40	116.13	90.00	1,227.61	-8,227.82	2,935.46	2,641.78	293.69	9.995		
12,700.00	6,840.00	6,710.00	6,710.00	182.04	116.13	90.00	1,227.61	-8,227.82	2,908.29	2,611.30	296.99	9.792		
12,800.00	6,840.00	6,710.00	6,710.00	184.67	116.13	90.00	1,227.61	-8,227.82	2,884.33	2,584.17	300.17	9.609		
12,900.00	6,840.00	6,710.00	6,710.00	187.31	116.13	90.00	1,227.61	-8,227.82	2,863.67	2,560.48	303.19	9.445		
13,000.00	6,840.00	6,710.00	6,710.00	189.95	116.13	90.00	1,227.61	-8,227.82	2,846.37	2,540.32	306.04	9.301		
13,100.00	6,840.00	6,710.00	6,710.00	192.59	116.13	90.00	1,227.61	-8,227.82	2,832.50	2,523.78	308.71	9.175		
13,200.00	6,840.00	6,710.00	6,710.00	195.24	116.13	90.00	1,227.61	-8,227.82	2,822.10	2,510.93	311.17	9.069		
13,300.00	6,840.00	6,710.00	6,710.00	197.88	116.13	90.00	1,227.61	-8,227.82	2,815.22	2,501.80	313.42	8.982		
13,400.00	6,840.00	6,710.00	6,710.00	200.53	116.13	90.00	1,227.61	-8,227.82	2,811.88	2,496.45	315.43	8.914		
13,443.92	6,840.00	6,710.00	6,710.00	201.69	116.13	90.00	1,227.61	-8,227.82	2,811.54	2,495.30	316.24	8.890 CC		
13,500.00	6,840.00	6,710.00	6,710.00	203.18	116.13	90.00	1,227.61	-8,227.82	2,812.10	2,494.89	317.21	8.865 ES		
13,600.00	6,840.00	6,710.00	6,710.00	205.83	116.13	90.00	1,227.61	-8,227.82	2,815.87	2,497.13	318.74	8.834		
13,700.00	6,840.00	6,710.00	6,710.00	208.49	116.13	90.00	1,227.61	-8,227.82	2,823.18	2,503.16	320.02	8.822 SF		
13,800.00	6,840.00	6,710.00	6,710.00	211.14	116.13	90.00	1,227.61	-8,227.82	2,834.00	2,512.95	321.05	8.827		
13,900.00	6,840.00	6,710.00	6,710.00	213.80	116.13	90.00	1,227.61	-8,227.82	2,848.29	2,526.47	321.82	8.850		
14,000.00	6,840.00	6,710.00	6,710.00	216.46	116.13	90.00	1,227.61	-8,227.82	2,866.00	2,543.65	322.36	8.891		
14,100.00	6,840.00	6,710.00	6,710.00	219.12	116.13	90.00	1,227.61	-8,227.82	2,887.07	2,564.42	322.65	8.948		
14,200.00	6,840.00	6,710.00	6,710.00	221.78	116.13	90.00	1,227.61	-8,227.82	2,911.43	2,588.71	322.72	9.022		
14,300.00	6,840.00	6,710.00	6,710.00	224.45	116.13	90.00	1,227.61	-8,227.82	2,938.99	2,616.42	322.57	9.111		
14,400.00	6,840.00	6,710.00	6,710.00	227.11	116.13	90.00	1,227.61	-8,227.82	2,969.65	2,647.44	322.21	9.217		
14,500.00	6,840.00	6,710.00	6,710.00	229.78	116.13	90.00	1,227.61	-8,227.82	3,003.34	2,681.68	321.66	9.337		
14,600.00	6,840.00	6,710.00	6,710.00	232.45	116.13	90.00	1,227.61	-8,227.82	3,039.95	2,719.01	320.94	9.472		
14,700.00	6,840.00	6,710.00	6,710.00	235.12	116.13	90.00	1,227.61	-8,227.82	3,079.37	2,759.32	320.05	9.621		
14,800.00	6,840.00	6,710.00	6,710.00	237.79	116.13	90.00	1,227.61	-8,227.82	3,121.49	2,802.48	319.02	9.785		
14,900.00	6,840.00	6,710.00	6,710.00	240.46	116.13	90.00	1,227.61	-8,227.82	3,166.22	2,848.36	317.85	9.961		
15,000.00	6,840.00	6,710.00	6,710.00	243.13	116.13	90.00	1,227.61	-8,227.82	3,213.43	2,896.86	316.57	10.151		
15,100.00	6,840.00	6,710.00	6,710.00	245.80	116.13	90.00	1,227.61	-8,227.82	3,263.03	2,947.84	315.19	10.353		
15,200.00	6,840.00	6,710.00	6,710.00	248.48	116.13	90.00	1,227.61	-8,227.82	3,314.90	3,001.18	313.72	10.566		
15,300.00	6,840.00	6,710.00	6,710.00	251.15	116.13	90.00	1,227.61	-8,227.82	3,368.95	3,056.77	312.18	10.792		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT DUPPER R G 26-6 - 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		
15,400.00	6,840.00	6,710.00	6,710.00	253.83	116.13	90.00	1,227.61	-8,227.82	3,425.06	3,114.49	310.57	11.028		
15,500.00	6,840.00	6,710.00	6,710.00	256.51	116.13	90.00	1,227.61	-8,227.82	3,483.14	3,174.22	308.91	11.275		
15,600.00	6,840.00	6,710.00	6,710.00	259.19	116.13	90.00	1,227.61	-8,227.82	3,543.09	3,235.87	307.21	11.533		
15,700.00	6,840.00	6,710.00	6,710.00	261.87	116.13	90.00	1,227.61	-8,227.82	3,604.81	3,299.33	305.48	11.800		
15,800.00	6,840.00	6,710.00	6,710.00	264.55	116.13	90.00	1,227.61	-8,227.82	3,668.23	3,364.49	303.73	12.077		
15,900.00	6,840.00	6,710.00	6,710.00	267.23	116.13	90.00	1,227.61	-8,227.82	3,733.24	3,431.28	301.96	12.363		
16,000.00	6,840.00	6,710.00	6,710.00	269.91	116.13	90.00	1,227.61	-8,227.82	3,799.78	3,499.59	300.19	12.658		
16,100.00	6,840.00	6,710.00	6,710.00	272.59	116.13	90.00	1,227.61	-8,227.82	3,867.76	3,569.34	298.41	12.961		
16,200.00	6,840.00	6,710.00	6,710.00	275.28	116.13	90.00	1,227.61	-8,227.82	3,937.10	3,640.46	296.64	13.272		
16,300.00	6,840.00	6,710.00	6,710.00	277.96	116.13	90.00	1,227.61	-8,227.82	4,007.74	3,712.87	294.87	13.591		
16,400.00	6,840.00	6,710.00	6,710.00	280.64	116.13	90.00	1,227.61	-8,227.82	4,079.61	3,786.49	293.12	13.918		
16,500.00	6,840.00	6,710.00	6,710.00	283.33	116.13	90.00	1,227.61	-8,227.82	4,152.64	3,861.25	291.38	14.251		
16,600.00	6,840.00	6,710.00	6,710.00	286.02	116.13	90.00	1,227.61	-8,227.82	4,226.77	3,937.11	289.67	14.592		
16,700.00	6,840.00	6,710.00	6,710.00	288.70	116.13	90.00	1,227.61	-8,227.82	4,301.96	4,013.99	287.97	14.939		
16,800.00	6,840.00	6,710.00	6,710.00	291.39	116.13	90.00	1,227.61	-8,227.82	4,378.13	4,091.84	286.30	15.292		
16,900.00	6,840.00	6,710.00	6,710.00	294.08	116.13	90.00	1,227.61	-8,227.82	4,455.25	4,170.60	284.65	15.652		
17,000.00	6,840.00	6,710.00	6,710.00	296.77	116.13	90.00	1,227.61	-8,227.82	4,533.26	4,250.23	283.03	16.017		
17,100.00	6,840.00	6,710.00	6,710.00	299.46	116.13	90.00	1,227.61	-8,227.82	4,612.13	4,330.69	281.44	16.388		
17,200.00	6,840.00	6,710.00	6,710.00	302.14	116.13	90.00	1,227.61	-8,227.82	4,691.79	4,411.91	279.88	16.764		
17,300.00	6,840.00	6,710.00	6,710.00	304.84	116.13	90.00	1,227.61	-8,227.82	4,772.23	4,493.88	278.35	17.145		
17,400.00	6,840.00	6,710.00	6,710.00	307.53	116.13	90.00	1,227.61	-8,227.82	4,853.39	4,576.54	276.85	17.531		
17,500.00	6,840.00	6,710.00	6,710.00	310.22	116.13	90.00	1,227.61	-8,227.82	4,935.24	4,659.86	275.37	17.922		
17,600.00	6,840.00	6,710.00	6,710.00	312.91	116.13	90.00	1,227.61	-8,227.82	5,017.75	4,743.81	273.93	18.317		
17,700.00	6,840.00	6,710.00	6,710.00	315.60	116.13	90.00	1,227.61	-8,227.82	5,100.88	4,828.36	272.52	18.717		
17,800.00	6,840.00	6,710.00	6,710.00	318.29	116.13	90.00	1,227.61	-8,227.82	5,184.61	4,913.47	271.14	19.121		
17,900.00	6,840.00	6,710.00	6,710.00	320.99	116.13	90.00	1,227.61	-8,227.82	5,268.91	4,999.12	269.80	19.529		
18,000.00	6,840.00	6,710.00	6,710.00	323.68	116.13	90.00	1,227.61	-8,227.82	5,353.75	5,085.27	268.48	19.941		
18,100.00	6,840.00	6,710.00	6,710.00	326.38	116.13	90.00	1,227.61	-8,227.82	5,439.11	5,171.92	267.19	20.357		
18,200.00	6,840.00	6,710.00	6,710.00	329.07	116.13	90.00	1,227.61	-8,227.82	5,524.95	5,259.02	265.93	20.776		
18,300.00	6,840.00	6,710.00	6,710.00	331.77	116.13	90.00	1,227.61	-8,227.82	5,611.27	5,346.57	264.70	21.198		
18,400.00	6,840.00	6,710.00	6,710.00	334.46	116.13	90.00	1,227.61	-8,227.82	5,698.03	5,434.53	263.50	21.624		
18,500.00	6,840.00	6,710.00	6,710.00	337.16	116.13	90.00	1,227.61	-8,227.82	5,785.22	5,522.89	262.33	22.053		
18,600.00	6,840.00	6,710.00	6,710.00	339.85	116.13	90.00	1,227.61	-8,227.82	5,872.82	5,611.63	261.18	22.486		
18,700.00	6,840.00	6,710.00	6,710.00	342.55	116.13	90.00	1,227.61	-8,227.82	5,960.80	5,700.74	260.06	22.921		
18,800.00	6,840.00	6,710.00	6,710.00	345.25	116.13	90.00	1,227.61	-8,227.82	6,049.16	5,790.19	258.97	23.358		
18,900.00	6,840.00	6,710.00	6,710.00	347.94	116.13	90.00	1,227.61	-8,227.82	6,137.88	5,879.98	257.91	23.799		
19,000.00	6,840.00	6,710.00	6,710.00	350.64	116.13	90.00	1,227.61	-8,227.82	6,226.94	5,970.08	256.87	24.242		
19,100.00	6,840.00	6,710.00	6,710.00	353.34	116.13	90.00	1,227.61	-8,227.82	6,316.33	6,060.48	255.85	24.688		
19,200.00	6,840.00	6,710.00	6,710.00	356.04	116.13	90.00	1,227.61	-8,227.82	6,406.03	6,151.18	254.86	25.136		
19,300.00	6,840.00	6,710.00	6,710.00	358.74	116.13	90.00	1,227.61	-8,227.82	6,496.04	6,242.15	253.89	25.586		
19,400.00	6,840.00	6,710.00	6,710.00	361.44	116.13	90.00	1,227.61	-8,227.82	6,586.33	6,333.38	252.94	26.039		
19,500.00	6,840.00	6,710.00	6,710.00	364.13	116.13	90.00	1,227.61	-8,227.82	6,676.89	6,424.87	252.02	26.493		
19,600.00	6,840.00	6,710.00	6,710.00	366.83	116.13	90.00	1,227.61	-8,227.82	6,767.73	6,516.61	251.12	26.950		
19,700.00	6,840.00	6,710.00	6,710.00	369.53	116.13	90.00	1,227.61	-8,227.82	6,858.82	6,608.58	250.24	27.409		
19,800.00	6,840.00	6,710.00	6,710.00	372.23	116.13	90.00	1,227.61	-8,227.82	6,950.15	6,700.77	249.38	27.870		
19,900.00	6,840.00	6,710.00	6,710.00	374.94	116.13	90.00	1,227.61	-8,227.82	7,041.72	6,793.18	248.54	28.332		
20,000.00	6,840.00	6,710.00	6,710.00	377.64	116.13	90.00	1,227.61	-8,227.82	7,133.51	6,885.79	247.72	28.796		
20,100.00	6,840.00	6,710.00	6,710.00	380.34	116.13	90.00	1,227.61	-8,227.82	7,225.53	6,978.60	246.92	29.262		
20,200.00	6,840.00	6,710.00	6,710.00	383.04	116.13	90.00	1,227.61	-8,227.82	7,317.75	7,071.61	246.14	29.730		
20,300.00	6,840.00	6,710.00	6,710.00	385.74	116.13	90.00	1,227.61	-8,227.82	7,410.17	7,164.80	245.38	30.199		
20,400.00	6,840.00	6,710.00	6,710.00	388.44	116.13	90.00	1,227.61	-8,227.82	7,502.79	7,258.16	244.63	30.670		
20,500.00	6,840.00	6,710.00	6,710.00	391.14	116.13	90.00	1,227.61	-8,227.82	7,595.60	7,351.69	243.90	31.142		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												SEC 26-T4N-R65W - ABND VERT DUPPER R G 26-6 - 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											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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				
20,552.28	6,840.00	6,710.00	6,710.00	392.56	116.13	90.00	1,227.61	-8,227.82	7,644.18	7,400.66	243.53	31.389					

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT SHELTON G 26-17D GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-72.59	1,981.16	-6,319.31	6,623.69					
100.00	100.00	0.00	0.00	0.13	0.00	-72.59	1,981.16	-6,319.31	6,622.62	6,622.48	0.13	N/A		
142.95	142.95	22.16	22.16	0.29	0.02	-72.59	1,981.16	-6,319.31	6,622.58	6,622.28	0.31	N/A		
200.00	200.00	79.78	79.78	0.49	0.07	-72.59	1,981.22	-6,319.28	6,622.58	6,622.01	0.57	N/A		
300.00	300.00	192.80	192.79	0.85	0.22	-72.59	1,981.50	-6,319.08	6,622.49	6,621.42	1.07	6,206.882		
400.00	399.98	293.51	293.50	1.20	0.31	55.50	1,981.84	-6,318.75	6,621.28	6,619.78	1.50	4,412.619		
500.00	499.84	391.16	391.16	1.55	0.38	55.59	1,982.04	-6,318.47	6,618.11	6,616.20	1.91	3,464.220		
600.00	599.45	560.29	560.28	1.91	0.48	55.79	1,982.26	-6,316.94	6,612.28	6,609.91	2.37	2,791.110		
700.00	698.70	663.82	663.80	2.29	0.53	56.02	1,982.24	-6,315.55	6,604.12	6,601.32	2.80	2,359.295		
800.00	797.47	765.87	765.84	2.70	0.58	56.31	1,982.28	-6,314.12	6,594.01	6,590.77	3.24	2,032.215		
900.00	895.62	862.82	862.78	3.14	0.63	56.65	1,982.10	-6,312.79	6,581.97	6,578.26	3.71	1,774.455		
1,000.00	993.06	958.14	958.09	3.62	0.67	57.05	1,981.96	-6,311.51	6,568.11	6,563.91	4.20	1,564.247		
1,100.00	1,089.64	1,045.05	1,044.99	4.14	0.71	57.48	1,981.63	-6,310.46	6,552.49	6,547.77	4.72	1,389.625		
1,200.00	1,185.27	1,132.46	1,132.40	4.70	0.75	57.97	1,981.46	-6,309.54	6,535.29	6,530.02	5.27	1,240.840		
1,300.00	1,279.82	1,225.78	1,225.71	5.31	0.78	58.53	1,981.14	-6,308.57	6,516.35	6,510.49	5.86	1,112.135		
1,400.00	1,373.17	1,300.00	1,299.93	5.98	0.81	59.09	1,980.87	-6,308.00	6,495.96	6,489.48	6.49	1,001.416		
1,500.00	1,465.22	1,387.92	1,387.85	6.70	0.85	59.70	1,980.71	-6,307.43	6,474.16	6,466.99	7.16	903.745		
1,600.00	1,556.72	1,467.48	1,467.40	7.45	0.88	59.95	1,980.65	-6,306.95	6,451.89	6,444.03	7.86	820.541		
1,700.00	1,648.21	1,550.66	1,550.59	8.21	0.91	60.22	1,980.50	-6,306.64	6,429.98	6,421.40	8.58	749.612		
1,800.00	1,739.71	1,647.22	1,647.14	8.99	0.94	60.53	1,980.51	-6,306.26	6,408.30	6,398.99	9.31	688.374		
1,900.00	1,831.20	1,734.97	1,734.89	9.77	0.97	60.82	1,980.58	-6,305.77	6,386.67	6,376.63	10.05	635.803		
2,000.00	1,922.69	1,802.82	1,802.74	10.56	0.99	61.04	1,980.91	-6,305.50	6,365.50	6,354.72	10.78	590.527		
2,100.00	2,014.19	1,874.87	1,874.79	11.35	1.01	61.28	1,981.70	-6,305.31	6,344.83	6,333.31	11.52	550.753		
2,200.00	2,105.68	1,951.40	1,951.31	12.14	1.03	61.54	1,982.99	-6,305.15	6,324.62	6,312.35	12.27	515.581		
2,300.00	2,197.18	2,022.88	2,022.78	12.94	1.05	61.79	1,984.14	-6,305.19	6,304.82	6,291.80	13.02	484.333		
2,400.00	2,288.67	2,082.28	2,082.17	13.74	1.06	61.99	1,985.09	-6,305.51	6,285.62	6,271.85	13.77	456.437		
2,500.00	2,380.17	2,165.41	2,165.28	14.54	1.07	62.27	1,986.32	-6,306.35	6,266.98	6,252.45	14.53	431.350		
2,600.00	2,471.66	2,272.77	2,272.64	15.35	1.08	62.63	1,987.25	-6,307.60	6,248.47	6,233.18	15.29	408.691		
2,700.00	2,563.16	2,347.26	2,347.12	16.15	1.09	62.88	1,987.32	-6,308.61	6,230.07	6,214.01	16.06	388.029		
2,800.00	2,654.65	2,411.44	2,411.29	16.96	1.09	63.09	1,987.25	-6,309.88	6,212.28	6,195.45	16.83	369.170		
2,900.00	2,746.15	2,488.07	2,487.89	17.76	1.10	63.34	1,987.21	-6,311.65	6,194.99	6,177.38	17.60	351.900		
3,000.00	2,837.64	2,565.98	2,565.77	18.57	1.11	63.60	1,987.13	-6,313.67	6,178.11	6,159.73	18.39	336.030		
3,100.00	2,929.14	2,651.93	2,651.69	19.38	1.11	63.88	1,986.87	-6,316.16	6,161.61	6,142.44	19.17	321.407		
3,200.00	3,020.63	2,757.28	2,757.00	20.19	1.12	64.23	1,987.12	-6,318.92	6,145.29	6,125.33	19.96	307.870		
3,300.00	3,112.13	2,880.00	2,879.70	21.00	1.14	64.65	1,987.56	-6,321.52	6,128.79	6,108.03	20.75	295.297		
3,400.00	3,203.62	3,118.51	3,118.20	21.81	1.16	65.47	1,987.00	-6,322.70	6,110.51	6,088.97	21.54	283.651		
3,500.00	3,295.12	3,224.87	3,224.55	22.63	1.19	65.85	1,987.09	-6,321.78	6,091.84	6,069.49	22.35	272.538		
3,600.00	3,386.61	3,309.45	3,309.13	23.44	1.21	66.15	1,987.06	-6,321.06	6,073.35	6,050.19	23.16	262.189		
3,700.00	3,478.10	3,385.23	3,384.90	24.25	1.22	66.42	1,986.69	-6,320.74	6,055.27	6,031.29	23.97	252.589		
3,800.00	3,569.60	3,460.27	3,459.94	25.06	1.23	66.68	1,985.99	-6,320.82	6,037.63	6,012.85	24.79	243.584		
3,900.00	3,661.09	3,533.51	3,533.18	25.88	1.23	66.93	1,985.21	-6,321.18	6,020.47	5,994.87	25.60	235.145		
4,000.00	3,752.59	3,608.11	3,607.77	26.69	1.24	67.19	1,984.35	-6,321.86	6,003.83	5,977.40	26.42	227.235		
4,100.00	3,844.08	3,716.83	3,716.49	27.50	1.25	67.58	1,983.84	-6,322.39	5,987.33	5,960.09	27.24	219.822		
4,200.00	3,935.58	3,798.60	3,798.25	28.32	1.26	67.88	1,983.84	-6,322.56	5,971.04	5,942.98	28.06	212.807		
4,300.00	4,027.07	3,870.12	3,869.77	29.13	1.27	68.13	1,983.80	-6,322.94	5,955.21	5,926.33	28.88	206.179		
4,400.00	4,118.57	3,928.01	3,927.66	29.95	1.27	68.34	1,983.69	-6,323.54	5,939.98	5,910.27	29.71	199.915		
4,500.00	4,210.06	3,976.26	3,975.90	30.76	1.28	68.51	1,983.67	-6,324.40	5,925.62	5,895.07	30.54	194.003		
4,600.00	4,301.56	4,026.10	4,025.73	31.58	1.29	68.69	1,983.73	-6,325.67	5,912.15	5,880.78	31.38	188.423		
4,700.00	4,393.05	4,077.51	4,077.10	32.39	1.29	68.87	1,983.83	-6,327.36	5,899.55	5,867.34	32.21	183.153		
4,800.00	4,484.55	4,132.97	4,132.53	33.21	1.30	69.07	1,984.01	-6,329.59	5,887.80	5,854.75	33.05	178.167		
4,900.00	4,576.04	4,200.00	4,199.48	34.02	1.31	69.31	1,984.41	-6,332.66	5,876.82	5,842.94	33.88	173.442		
5,000.00	4,667.54	4,255.49	4,254.90	34.84	1.32	69.51	1,985.05	-6,335.36	5,866.55	5,831.83	34.72	168.958		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT SHELTON G 26-17D GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,759.03	4,376.35	4,375.60	35.65	1.34	69.94	1,986.97	-6,341.23	5,856.81	5,821.24	35.57	164.666		
5,200.00	4,850.53	4,460.63	4,459.78	36.47	1.35	70.24	1,987.51	-6,345.24	5,846.71	5,810.30	36.41	160.569		
5,300.00	4,942.02	4,792.52	4,791.47	37.28	1.40	71.44	1,987.11	-6,355.29	5,834.97	5,797.71	37.26	156.604		
5,400.00	5,033.51	4,976.55	4,975.43	38.10	1.43	72.10	1,982.41	-6,357.20	5,820.64	5,782.55	38.09	152.802		
5,500.00	5,125.01	5,066.65	5,065.51	38.92	1.44	72.43	1,980.64	-6,357.14	5,806.14	5,767.20	38.94	149.094		
5,600.00	5,216.50	5,151.96	5,150.81	39.73	1.46	72.75	1,979.32	-6,356.97	5,791.98	5,752.18	39.80	145.542		
5,700.00	5,308.00	5,240.96	5,239.79	40.55	1.47	73.08	1,977.98	-6,356.87	5,778.13	5,737.48	40.65	142.142		
5,800.00	5,399.49	5,327.88	5,326.71	41.36	1.49	73.41	1,976.71	-6,356.76	5,764.55	5,723.04	41.51	138.881		
5,900.00	5,490.99	5,404.80	5,403.62	42.18	1.50	73.70	1,975.75	-6,356.75	5,751.39	5,709.03	42.37	135.752		
6,000.00	5,582.48	5,483.93	5,482.75	43.00	1.51	74.00	1,974.93	-6,356.85	5,738.70	5,695.47	43.23	132.754		
6,100.00	5,673.98	5,611.23	5,610.03	43.81	1.54	74.49	1,973.31	-6,356.93	5,726.08	5,682.00	44.08	129.892		
6,200.00	5,765.47	5,682.57	5,681.37	44.63	1.55	74.76	1,972.42	-6,356.84	5,713.58	5,668.63	44.95	127.113		
6,300.00	5,856.97	5,823.61	5,822.40	45.45	1.57	75.31	1,971.37	-6,355.77	5,701.14	5,655.34	45.81	124.465		
6,400.00	5,948.46	5,929.63	5,928.41	46.26	1.59	75.74	1,970.46	-6,354.32	5,688.44	5,641.77	46.67	121.883		
6,500.00	6,039.96	6,049.64	6,048.39	47.08	1.61	76.22	1,969.56	-6,351.94	5,675.61	5,628.08	47.54	119.398		
6,600.00	6,131.45	6,138.47	6,137.19	47.90	1.62	76.58	1,969.16	-6,349.63	5,662.76	5,614.36	48.41	116.980		
6,700.00	6,222.95	6,207.02	6,205.72	48.71	1.63	76.87	1,968.93	-6,348.05	5,650.49	5,601.20	49.28	114.651		
6,800.00	6,314.44	6,277.65	6,276.33	49.53	1.64	77.16	1,968.91	-6,346.60	5,638.83	5,588.67	50.16	112.416		
6,900.00	6,405.93	6,350.97	6,349.64	50.35	1.65	77.46	1,969.15	-6,345.21	5,627.78	5,576.74	51.04	110.270		
7,000.00	6,497.01	6,428.85	6,427.51	51.18	1.66	77.06	1,969.46	-6,343.96	5,616.25	5,564.33	51.93	108.157		
7,100.00	6,582.62	6,507.22	6,505.87	52.20	1.67	76.19	1,969.79	-6,342.83	5,594.16	5,541.19	52.97	105.605		
7,200.00	6,659.25	6,568.62	6,567.26	53.42	1.68	63.98	1,970.07	-6,342.08	5,559.74	5,505.55	54.19	102.595		
7,300.00	6,724.59	6,625.04	6,623.68	54.84	1.69	64.93	1,970.37	-6,341.53	5,514.22	5,458.66	55.55	99.258		
7,400.00	6,776.64	6,674.61	6,673.25	56.40	1.70	68.48	1,970.65	-6,341.06	5,459.01	5,401.98	57.03	95.725		
7,500.00	6,813.82	6,712.14	6,710.77	58.08	1.70	74.45	1,970.88	-6,340.70	5,395.88	5,337.31	58.57	92.125		
7,600.00	6,835.01	6,736.71	6,735.35	59.82	1.71	82.70	1,970.99	-6,340.49	5,326.81	5,266.67	60.14	88.576		
7,700.00	6,840.00	6,741.74	6,740.38	61.57	1.71	90.34	1,971.01	-6,340.44	5,253.97	5,192.29	61.68	85.180		
7,800.00	6,840.00	6,740.71	6,739.35	63.35	1.71	90.33	1,971.00	-6,340.45	5,180.94	5,117.69	63.25	81.911		
7,900.00	6,840.00	6,739.68	6,738.31	65.20	1.71	90.31	1,971.00	-6,340.46	5,108.82	5,043.94	64.89	78.735		
8,000.00	6,840.00	6,738.64	6,737.27	67.10	1.71	90.29	1,971.00	-6,340.47	5,037.66	4,971.08	66.59	75.657		
8,100.00	6,840.00	6,737.59	6,736.23	69.05	1.71	90.28	1,970.99	-6,340.48	4,967.50	4,899.15	68.35	72.677		
8,200.00	6,840.00	6,736.53	6,735.17	71.06	1.71	90.26	1,970.99	-6,340.49	4,898.36	4,828.18	70.18	69.797		
8,300.00	6,840.00	6,735.48	6,734.11	73.11	1.71	90.24	1,970.98	-6,340.50	4,830.31	4,758.24	72.07	67.019		
8,400.00	6,840.00	6,734.41	6,733.05	75.21	1.71	90.23	1,970.98	-6,340.51	4,763.39	4,689.36	74.03	64.342		
8,500.00	6,840.00	6,733.34	6,731.97	77.34	1.71	90.21	1,970.98	-6,340.52	4,697.64	4,621.59	76.05	61.766		
8,600.00	6,840.00	6,732.26	6,730.90	79.51	1.71	90.19	1,970.97	-6,340.52	4,633.12	4,554.98	78.14	59.292		
8,700.00	6,840.00	6,731.17	6,729.81	81.72	1.71	90.17	1,970.97	-6,340.53	4,569.87	4,489.58	80.29	56.918		
8,800.00	6,840.00	6,730.08	6,728.72	83.95	1.71	90.16	1,970.96	-6,340.54	4,507.96	4,425.46	82.50	54.644		
8,900.00	6,840.00	6,728.98	6,727.62	86.22	1.71	90.14	1,970.96	-6,340.55	4,447.43	4,362.66	84.76	52.468		
9,000.00	6,840.00	6,727.88	6,726.52	88.51	1.71	90.12	1,970.96	-6,340.56	4,388.34	4,301.25	87.09	50.389		
9,100.00	6,840.00	6,726.77	6,725.40	90.83	1.70	90.10	1,970.95	-6,340.57	4,330.76	4,241.29	89.47	48.404		
9,200.00	6,840.00	6,725.65	6,724.29	93.16	1.70	90.08	1,970.95	-6,340.58	4,274.74	4,182.84	91.90	46.513		
9,300.00	6,840.00	6,724.52	6,723.16	95.52	1.70	90.07	1,970.94	-6,340.59	4,220.35	4,125.96	94.39	44.712		
9,400.00	6,840.00	6,723.39	6,722.03	97.90	1.70	90.05	1,970.94	-6,340.60	4,167.65	4,070.73	96.92	43.001		
9,500.00	6,840.00	6,722.25	6,720.89	100.30	1.70	90.03	1,970.93	-6,340.61	4,116.70	4,017.21	99.49	41.377		
9,600.00	6,840.00	6,721.10	6,719.74	102.72	1.70	90.01	1,970.93	-6,340.62	4,067.58	3,965.47	102.11	39.837		
9,700.00	6,840.00	6,719.95	6,718.59	105.15	1.70	89.99	1,970.92	-6,340.63	4,020.34	3,915.58	104.75	38.379		
9,800.00	6,840.00	6,718.79	6,717.43	107.59	1.70	89.97	1,970.91	-6,340.64	3,975.05	3,867.62	107.43	37.002		
9,900.00	6,840.00	6,717.62	6,716.26	110.05	1.70	89.96	1,970.91	-6,340.65	3,931.79	3,821.66	110.13	35.702		
10,000.00	6,840.00	6,716.45	6,715.09	112.52	1.70	89.94	1,970.90	-6,340.66	3,890.61	3,777.77	112.84	34.478		
10,100.00	6,840.00	6,715.27	6,713.90	115.00	1.70	89.92	1,970.90	-6,340.68	3,851.60	3,736.02	115.57	33.326		
10,200.00	6,840.00	6,714.08	6,712.72	117.50	1.70	89.90	1,970.89	-6,340.69	3,814.80	3,696.50	118.30	32.246		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT SHELTON G 26-17D GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	6,712.88	6,711.52	120.00	1.70	89.88	1,970.88	-6,340.70	3,780.30	3,659.26	121.03	31.234		
10,400.00	6,840.00	6,711.67	6,710.31	122.51	1.70	89.86	1,970.88	-6,340.71	3,748.14	3,624.39	123.75	30.288		
10,500.00	6,840.00	6,710.46	6,709.10	125.04	1.70	89.84	1,970.87	-6,340.72	3,718.39	3,591.95	126.45	29.407		
10,600.00	6,840.00	6,709.24	6,707.88	127.57	1.70	89.82	1,970.87	-6,340.73	3,691.12	3,562.00	129.12	28.588		
10,700.00	6,840.00	6,708.01	6,706.65	130.11	1.70	89.80	1,970.86	-6,340.74	3,666.37	3,534.62	131.75	27.828		
10,800.00	6,840.00	6,706.78	6,705.42	132.66	1.70	89.78	1,970.85	-6,340.75	3,644.20	3,509.86	134.34	27.127		
10,900.00	6,840.00	6,705.54	6,704.17	135.21	1.70	89.76	1,970.84	-6,340.77	3,624.65	3,487.78	136.87	26.482		
11,000.00	6,840.00	6,704.28	6,702.92	137.77	1.70	89.74	1,970.84	-6,340.78	3,607.77	3,468.42	139.35	25.891		
11,100.00	6,840.00	6,703.02	6,701.66	140.34	1.70	89.72	1,970.83	-6,340.79	3,593.59	3,451.84	141.75	25.352		
11,200.00	6,840.00	6,701.76	6,700.40	142.91	1.70	89.70	1,970.82	-6,340.80	3,582.15	3,438.07	144.07	24.863		
11,300.00	6,840.00	6,700.48	6,699.12	145.49	1.70	89.68	1,970.81	-6,340.81	3,573.47	3,427.15	146.31	24.423		
11,400.00	6,840.00	6,699.43	6,698.07	148.07	1.70	89.66	1,970.81	-6,340.82	3,567.57	3,419.11	148.46	24.031		
11,500.00	6,840.00	6,698.52	6,697.16	150.66	1.70	89.65	1,970.80	-6,340.83	3,564.47	3,413.96	150.51	23.683		
11,560.56	6,840.00	6,697.96	6,696.60	152.23	1.70	89.64	1,970.80	-6,340.84	3,563.96	3,412.26	151.70	23.494 CC		
11,600.00	6,840.00	6,697.60	6,696.24	153.25	1.70	89.63	1,970.80	-6,340.84	3,564.17	3,411.73	152.45	23.379 ES		
11,700.00	6,840.00	6,696.69	6,695.33	155.85	1.70	89.62	1,970.79	-6,340.85	3,566.68	3,412.40	154.28	23.118		
11,800.00	6,840.00	6,695.78	6,694.42	158.45	1.70	89.60	1,970.78	-6,340.86	3,571.99	3,415.99	156.00	22.897		
11,900.00	6,840.00	6,694.87	6,693.51	161.06	1.70	89.59	1,970.78	-6,340.87	3,580.08	3,422.48	157.60	22.716		
12,000.00	6,840.00	6,693.96	6,692.59	163.67	1.70	89.58	1,970.77	-6,340.87	3,590.94	3,431.86	159.08	22.573		
12,100.00	6,840.00	6,693.04	6,691.68	166.28	1.70	89.56	1,970.77	-6,340.88	3,604.55	3,444.11	160.44	22.467		
12,200.00	6,840.00	6,692.13	6,690.77	168.90	1.70	89.55	1,970.76	-6,340.89	3,620.86	3,459.18	161.68	22.396		
12,300.00	6,840.00	6,691.22	6,689.86	171.52	1.70	89.53	1,970.76	-6,340.90	3,639.85	3,477.06	162.79	22.359		
12,400.00	6,840.00	6,690.31	6,688.95	174.15	1.70	89.52	1,970.75	-6,340.91	3,661.47	3,497.68	163.79	22.355 SF		
12,500.00	6,840.00	6,689.40	6,688.04	176.77	1.70	89.50	1,970.74	-6,340.92	3,685.68	3,521.02	164.67	22.383		
12,600.00	6,840.00	6,688.48	6,687.12	179.40	1.70	89.49	1,970.74	-6,340.93	3,712.43	3,547.00	165.43	22.442		
12,700.00	6,840.00	6,687.57	6,686.21	182.04	1.70	89.47	1,970.73	-6,340.93	3,741.66	3,575.58	166.07	22.530		
12,800.00	6,840.00	6,686.66	6,685.30	184.67	1.70	89.46	1,970.73	-6,340.94	3,773.31	3,606.70	166.61	22.647		
12,900.00	6,840.00	6,685.75	6,684.39	187.31	1.70	89.44	1,970.72	-6,340.95	3,807.32	3,640.28	167.04	22.792		
13,000.00	6,840.00	6,684.84	6,683.48	189.95	1.70	89.43	1,970.72	-6,340.96	3,843.64	3,676.27	167.37	22.964		
13,100.00	6,840.00	6,683.93	6,682.57	192.59	1.70	89.41	1,970.71	-6,340.97	3,882.20	3,714.59	167.61	23.162		
13,200.00	6,840.00	6,683.01	6,681.65	195.24	1.70	89.40	1,970.71	-6,340.98	3,922.92	3,755.17	167.75	23.385		
13,300.00	6,840.00	6,682.10	6,680.74	197.88	1.70	89.38	1,970.70	-6,340.99	3,965.75	3,797.93	167.81	23.632		
13,400.00	6,840.00	6,681.19	6,679.83	200.53	1.70	89.37	1,970.69	-6,341.00	4,010.61	3,842.82	167.79	23.902		
13,500.00	6,840.00	6,680.28	6,678.92	203.18	1.70	89.36	1,970.69	-6,341.00	4,057.45	3,889.75	167.70	24.195		
13,600.00	6,840.00	6,679.37	6,678.01	205.83	1.70	89.34	1,970.68	-6,341.01	4,106.18	3,938.65	167.53	24.510		
13,700.00	6,840.00	6,678.46	6,677.10	208.49	1.70	89.33	1,970.68	-6,341.02	4,156.75	3,989.45	167.30	24.846		
13,800.00	6,840.00	6,677.55	6,676.19	211.14	1.70	89.31	1,970.67	-6,341.03	4,209.09	4,042.08	167.01	25.202		
13,900.00	6,840.00	6,676.63	6,675.27	213.80	1.70	89.30	1,970.67	-6,341.04	4,263.13	4,096.46	166.67	25.579		
14,000.00	6,840.00	6,675.72	6,674.36	216.46	1.70	89.28	1,970.66	-6,341.05	4,318.81	4,152.54	166.27	25.974		
14,100.00	6,840.00	6,674.81	6,673.45	219.12	1.70	89.27	1,970.66	-6,341.06	4,376.07	4,210.23	165.83	26.388		
14,200.00	6,840.00	6,673.90	6,672.54	221.78	1.70	89.25	1,970.65	-6,341.06	4,434.84	4,269.48	165.36	26.820		
14,300.00	6,840.00	6,672.99	6,671.63	224.45	1.70	89.24	1,970.64	-6,341.07	4,495.07	4,330.23	164.84	27.269		
14,400.00	6,840.00	6,672.08	6,670.72	227.11	1.70	89.22	1,970.64	-6,341.08	4,556.70	4,392.40	164.29	27.735		
14,500.00	6,840.00	6,671.17	6,669.81	229.78	1.70	89.21	1,970.63	-6,341.09	4,619.67	4,455.95	163.72	28.218		
14,600.00	6,840.00	6,670.26	6,668.90	232.45	1.70	89.19	1,970.63	-6,341.10	4,683.93	4,520.81	163.11	28.716		
14,700.00	6,840.00	6,669.35	6,667.99	235.12	1.70	89.18	1,970.62	-6,341.11	4,749.42	4,586.93	162.49	29.229		
14,800.00	6,840.00	6,668.44	6,667.08	237.79	1.70	89.17	1,970.62	-6,341.12	4,816.10	4,654.25	161.85	29.757		
14,900.00	6,840.00	6,667.53	6,666.17	240.46	1.70	89.15	1,970.61	-6,341.12	4,883.92	4,722.73	161.19	30.300		
15,000.00	6,840.00	6,666.62	6,665.26	243.13	1.70	89.14	1,970.61	-6,341.13	4,952.83	4,792.31	160.51	30.856		
15,100.00	6,840.00	6,665.70	6,664.35	245.80	1.70	89.12	1,970.60	-6,341.14	5,022.78	4,862.95	159.83	31.426		
15,200.00	6,840.00	6,664.79	6,663.44	248.48	1.70	89.11	1,970.60	-6,341.15	5,093.74	4,934.60	159.13	32.009		
15,300.00	6,840.00	6,663.88	6,662.53	251.15	1.70	89.09	1,970.59	-6,341.16	5,165.65	5,007.22	158.43	32.605		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT SHELTON G 26-17D GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,400.00	6,840.00	6,662.97	6,661.61	253.83	1.70	89.08	1,970.59	-6,341.17	5,238.49	5,080.76	157.73	33.212		
15,500.00	6,840.00	6,662.06	6,660.70	256.51	1.70	89.06	1,970.58	-6,341.18	5,312.21	5,155.20	157.02	33.832		
15,600.00	6,840.00	6,661.15	6,659.79	259.19	1.70	89.05	1,970.57	-6,341.18	5,386.78	5,230.48	156.30	34.463		
15,700.00	6,840.00	6,660.24	6,658.88	261.87	1.70	89.03	1,970.57	-6,341.19	5,462.16	5,306.57	155.59	35.106		
15,800.00	6,840.00	6,659.33	6,657.97	264.55	1.70	89.02	1,970.56	-6,341.20	5,538.33	5,383.45	154.88	35.759		
15,900.00	6,840.00	6,658.42	6,657.06	267.23	1.70	89.00	1,970.56	-6,341.21	5,615.24	5,461.07	154.17	36.423		
16,000.00	6,840.00	6,657.51	6,656.15	269.91	1.70	88.99	1,970.55	-6,341.22	5,692.86	5,539.40	153.46	37.097		
16,100.00	6,840.00	6,656.60	6,655.24	272.59	1.70	88.98	1,970.55	-6,341.23	5,771.18	5,618.42	152.75	37.781		
16,200.00	6,840.00	6,655.69	6,654.33	275.28	1.70	88.96	1,970.54	-6,341.24	5,850.15	5,698.10	152.05	38.475		
16,300.00	6,840.00	6,654.78	6,653.42	277.96	1.69	88.95	1,970.54	-6,341.24	5,929.76	5,778.41	151.36	39.178		
16,400.00	6,840.00	6,653.87	6,652.51	280.64	1.69	88.93	1,970.53	-6,341.25	6,009.98	5,859.32	150.67	39.890		
16,500.00	6,840.00	6,652.96	6,651.61	283.33	1.69	88.92	1,970.53	-6,341.26	6,090.79	5,940.81	149.98	40.610		
16,600.00	6,840.00	6,652.05	6,650.70	286.02	1.69	88.90	1,970.52	-6,341.27	6,172.16	6,022.85	149.30	41.340		
16,700.00	6,840.00	6,651.14	6,649.79	288.70	1.69	88.89	1,970.52	-6,341.28	6,254.06	6,105.43	148.63	42.077		
16,800.00	6,840.00	6,650.23	6,648.88	291.39	1.69	88.87	1,970.51	-6,341.29	6,336.49	6,188.52	147.97	42.823		
16,900.00	6,840.00	6,649.32	6,647.97	294.08	1.69	88.86	1,970.51	-6,341.30	6,419.42	6,272.10	147.31	43.577		
17,000.00	6,840.00	6,648.42	6,647.06	296.77	1.69	88.84	1,970.50	-6,341.30	6,502.82	6,356.16	146.67	44.338		
17,100.00	6,840.00	6,647.51	6,646.15	299.46	1.69	88.83	1,970.50	-6,341.31	6,586.69	6,440.67	146.03	45.106		
17,200.00	6,840.00	6,646.60	6,645.24	302.14	1.69	88.81	1,970.49	-6,341.32	6,671.00	6,525.61	145.39	45.882		
17,300.00	6,840.00	6,645.69	6,644.33	304.84	1.69	88.80	1,970.48	-6,341.33	6,755.74	6,610.97	144.77	46.665		
17,400.00	6,840.00	6,644.78	6,643.42	307.53	1.69	88.78	1,970.48	-6,341.34	6,840.90	6,696.74	144.16	47.454		
17,500.00	6,840.00	6,643.87	6,642.51	310.22	1.69	88.77	1,970.47	-6,341.35	6,926.45	6,782.89	143.55	48.250		
17,600.00	6,840.00	6,642.96	6,641.60	312.91	1.69	88.76	1,970.47	-6,341.36	7,012.38	6,869.42	142.96	49.052		
17,700.00	6,840.00	6,642.05	6,640.69	315.60	1.69	88.74	1,970.46	-6,341.37	7,098.68	6,956.31	142.37	49.861		
17,800.00	6,840.00	6,641.14	6,639.78	318.29	1.69	88.73	1,970.46	-6,341.37	7,185.33	7,043.54	141.79	50.675		
17,900.00	6,840.00	6,640.23	6,638.87	320.99	1.69	88.71	1,970.45	-6,341.38	7,272.33	7,131.11	141.22	51.496		
18,000.00	6,840.00	6,639.32	6,637.97	323.68	1.69	88.70	1,970.45	-6,341.39	7,359.66	7,219.00	140.66	52.322		
18,100.00	6,840.00	6,638.41	6,637.06	326.38	1.69	88.68	1,970.44	-6,341.40	7,447.30	7,307.19	140.11	53.154		
18,200.00	6,840.00	6,637.51	6,636.15	329.07	1.69	88.67	1,970.44	-6,341.41	7,535.26	7,395.69	139.57	53.990		
18,300.00	6,840.00	6,636.60	6,635.24	331.77	1.69	88.65	1,970.43	-6,341.42	7,623.51	7,484.48	139.03	54.833		
18,400.00	6,840.00	6,635.69	6,634.33	334.46	1.69	88.64	1,970.43	-6,341.43	7,712.05	7,573.54	138.51	55.680		
18,500.00	6,840.00	6,634.78	6,633.42	337.16	1.69	88.62	1,970.42	-6,341.43	7,800.86	7,662.87	137.99	56.532		
18,600.00	6,840.00	6,633.87	6,632.51	339.85	1.69	88.61	1,970.42	-6,341.44	7,889.94	7,752.46	137.48	57.389		
18,700.00	6,840.00	6,632.96	6,631.60	342.55	1.69	88.60	1,970.41	-6,341.45	7,979.28	7,842.30	136.98	58.251		
18,800.00	6,840.00	6,632.05	6,630.70	345.25	1.69	88.58	1,970.41	-6,341.46	8,068.87	7,932.38	136.49	59.117		
18,900.00	6,840.00	6,631.14	6,629.79	347.94	1.69	88.57	1,970.40	-6,341.47	8,158.71	8,022.70	136.01	59.987		
19,000.00	6,840.00	6,630.24	6,628.88	350.64	1.69	88.55	1,970.40	-6,341.48	8,248.77	8,113.24	135.53	60.862		
19,100.00	6,840.00	6,629.33	6,627.97	353.34	1.69	88.54	1,970.39	-6,341.49	8,339.06	8,204.00	135.07	61.741		
19,200.00	6,840.00	6,628.42	6,627.06	356.04	1.69	88.52	1,970.39	-6,341.49	8,429.58	8,294.97	134.61	62.623		
19,300.00	6,840.00	6,627.51	6,626.15	358.74	1.69	88.51	1,970.38	-6,341.50	8,520.30	8,386.14	134.16	63.510		
19,400.00	6,840.00	6,626.60	6,625.25	361.44	1.69	88.49	1,970.38	-6,341.51	8,611.23	8,477.52	133.71	64.401		
19,500.00	6,840.00	6,625.69	6,624.34	364.13	1.69	88.48	1,970.37	-6,341.52	8,702.36	8,569.08	133.28	65.295		
19,600.00	6,840.00	6,624.79	6,623.43	366.83	1.69	88.46	1,970.37	-6,341.53	8,793.68	8,660.83	132.85	66.193		
19,700.00	6,840.00	6,623.88	6,622.52	369.53	1.69	88.45	1,970.36	-6,341.54	8,885.18	8,752.76	132.43	67.094		
19,800.00	6,840.00	6,622.97	6,621.61	372.23	1.69	88.43	1,970.36	-6,341.55	8,976.87	8,844.86	132.02	67.998		
19,900.00	6,840.00	6,622.06	6,620.71	374.94	1.69	88.42	1,970.35	-6,341.55	9,068.74	8,937.13	131.61	68.906		
20,000.00	6,840.00	6,621.15	6,619.80	377.64	1.69	88.41	1,970.35	-6,341.56	9,160.77	9,029.56	131.21	69.817		
20,100.00	6,840.00	6,620.25	6,618.89	380.34	1.69	88.39	1,970.34	-6,341.57	9,252.97	9,122.15	130.82	70.731		
20,200.00	6,840.00	6,619.34	6,617.98	383.04	1.69	88.38	1,970.34	-6,341.58	9,345.33	9,214.90	130.43	71.648		
20,300.00	6,840.00	6,618.43	6,617.08	385.74	1.69	88.36	1,970.33	-6,341.59	9,437.85	9,307.79	130.06	72.568		
20,400.00	6,840.00	6,617.52	6,616.17	388.44	1.69	88.35	1,970.33	-6,341.60	9,530.51	9,400.83	129.68	73.491		
20,500.00	6,840.00	6,616.62	6,615.26	391.14	1.69	88.33	1,970.32	-6,341.61	9,623.33	9,494.01	129.32	74.416		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - ABND VERT SHELTON G 26-17D GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												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
20,552.28	6,840.00	6,616.14	6,614.79	392.56	1.69	88.32	1,970.32	-6,341.61	9,671.90	9,542.77	129.13	74.901	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST HZ BEEBE DRAW 2-8-26 - 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	0.00	0.00	0.00	0.00	-99.21	-1,576.98	-9,727.12	9,854.72					
100.00	100.00	0.00	0.00	0.13	0.00	-99.21	-1,576.98	-9,727.12	9,854.13	9,854.00	0.13	N/A		
110.07	110.07	2.07	2.07	0.17	0.00	-99.21	-1,576.98	-9,727.12	9,854.13	9,853.96	0.17	N/A		
200.00	200.00	85.63	85.62	0.49	0.24	-99.21	-1,577.01	-9,727.14	9,854.15	9,853.41	0.74	N/A		
300.00	300.00	177.24	177.24	0.85	0.56	-99.21	-1,577.11	-9,727.23	9,854.26	9,852.84	1.42	6,959.265		
400.00	399.98	268.83	268.83	1.20	0.89	28.86	-1,577.29	-9,727.37	9,852.92	9,850.84	2.08	4,730.096		
500.00	499.84	360.34	360.34	1.55	1.21	28.91	-1,577.55	-9,727.59	9,848.62	9,845.87	2.75	3,581.413		
600.00	599.45	451.64	451.64	1.91	1.53	29.00	-1,577.89	-9,727.87	9,841.34	9,837.92	3.43	2,872.124		
700.00	698.70	542.65	542.65	2.29	1.84	29.13	-1,578.31	-9,728.21	9,831.12	9,827.01	4.11	2,391.283		
800.00	797.47	638.00	637.99	2.70	2.18	29.30	-1,578.90	-9,728.62	9,817.94	9,813.12	4.82	2,036.339		
900.00	895.62	2,953.93	2,916.68	3.14	11.70	29.78	-1,719.16	-9,447.11	9,781.42	9,767.53	13.89	704.217		
1,000.00	993.06	2,985.45	2,946.94	3.62	11.87	30.21	-1,723.67	-9,439.55	9,741.09	9,726.68	14.42	675.760		
1,100.00	1,089.64	3,171.34	3,125.15	4.14	12.91	30.63	-1,750.86	-9,394.24	9,697.56	9,681.92	15.65	619.777		
1,200.00	1,185.27	3,206.00	3,158.37	4.70	13.11	31.16	-1,755.92	-9,385.75	9,651.43	9,635.22	16.21	595.245		
1,300.00	1,279.82	3,244.40	3,195.27	5.31	13.32	31.73	-1,761.33	-9,376.58	9,603.14	9,586.33	16.81	571.272		
1,400.00	1,373.17	3,300.00	3,248.89	5.98	13.63	32.36	-1,768.61	-9,363.80	9,552.81	9,535.31	17.50	545.935		
1,500.00	1,465.22	3,317.42	3,265.73	6.70	13.73	32.97	-1,770.77	-9,359.90	9,500.30	9,482.26	18.04	526.640		
1,600.00	1,556.72	3,367.79	3,314.48	7.45	14.00	32.99	-1,776.85	-9,348.77	9,447.18	9,428.46	18.72	504.675		
1,700.00	1,648.21	3,433.02	3,377.69	8.21	14.35	33.02	-1,784.43	-9,334.61	9,394.33	9,374.86	19.47	482.429		
1,800.00	1,739.71	3,679.78	3,616.63	8.99	15.69	33.17	-1,811.12	-9,279.09	9,340.54	9,319.56	20.98	445.127		
1,900.00	1,831.20	3,764.39	3,698.38	9.77	16.16	33.22	-1,820.49	-9,259.38	9,286.30	9,264.47	21.83	425.362		
2,000.00	1,922.69	4,010.48	3,934.87	10.56	17.58	33.33	-1,851.06	-9,198.64	9,230.48	9,207.10	23.38	394.823		
2,100.00	2,014.19	4,051.00	3,973.83	11.35	17.82	33.35	-1,855.87	-9,188.56	9,174.98	9,150.93	24.06	381.365		
2,200.00	2,105.68	4,087.16	4,008.65	12.14	18.03	33.37	-1,860.06	-9,179.76	9,119.90	9,095.17	24.72	368.875		
2,300.00	2,197.18	4,144.00	4,063.49	12.94	18.35	33.41	-1,866.45	-9,166.25	9,065.23	9,039.75	25.48	355.788		
2,400.00	2,288.67	4,224.95	4,141.65	13.74	18.81	33.46	-1,875.37	-9,147.16	9,010.75	8,984.42	26.33	342.162		
2,500.00	2,380.17	4,358.76	4,270.52	14.54	19.58	33.53	-1,890.83	-9,114.64	8,955.62	8,928.21	27.41	326.729		
2,600.00	2,471.66	4,396.76	4,307.14	15.35	19.80	33.55	-1,895.22	-9,105.47	8,900.76	8,872.66	28.10	316.721		
2,700.00	2,563.16	4,550.73	4,455.44	16.15	20.69	33.64	-1,912.75	-9,067.98	8,845.61	8,816.35	29.26	302.320		
2,800.00	2,654.65	4,579.55	4,483.20	16.96	20.86	33.66	-1,916.02	-9,060.97	8,790.56	8,760.63	29.92	293.773		
2,900.00	2,746.15	4,613.00	4,515.49	17.76	21.05	33.68	-1,919.73	-9,053.07	8,736.03	8,705.42	30.61	285.400		
3,000.00	2,837.64	4,676.31	4,576.62	18.57	21.42	33.72	-1,927.02	-9,038.32	8,681.87	8,650.45	31.42	276.341		
3,100.00	2,929.14	4,707.00	4,606.22	19.38	21.59	33.74	-1,930.82	-9,031.16	8,627.94	8,595.84	32.10	268.766		
3,200.00	3,020.63	4,742.69	4,640.69	20.19	21.79	33.76	-1,935.26	-9,023.03	8,574.49	8,541.68	32.81	261.340		
3,300.00	3,112.13	4,765.39	4,662.67	21.00	21.92	33.77	-1,938.01	-9,018.08	8,521.70	8,488.23	33.47	254.590		
3,400.00	3,203.62	4,801.00	4,697.25	21.81	22.12	33.80	-1,942.22	-9,010.66	8,469.57	8,435.38	34.19	247.734		
3,500.00	3,295.12	4,801.00	4,697.25	22.63	22.12	33.80	-1,942.22	-9,010.66	8,418.02	8,383.25	34.77	242.082		
3,600.00	3,386.61	4,801.00	4,697.25	23.44	22.12	33.80	-1,942.22	-9,010.66	8,367.35	8,331.99	35.36	236.612		
3,700.00	3,478.10	4,853.03	4,747.96	24.25	22.39	33.83	-1,948.10	-9,000.63	8,316.92	8,280.77	36.14	230.103		
3,800.00	3,569.60	4,895.00	4,789.03	25.06	22.60	33.86	-1,952.63	-8,993.28	8,267.49	8,230.60	36.89	224.095		
3,900.00	3,661.09	4,900.45	4,794.37	25.88	22.63	33.87	-1,953.20	-8,992.37	8,218.56	8,181.04	37.51	219.084		
4,000.00	3,752.59	4,989.20	4,881.50	26.69	23.06	33.95	-1,961.47	-8,977.66	8,170.02	8,131.60	38.42	212.649		
4,100.00	3,844.08	5,018.64	4,910.46	27.50	23.20	33.98	-1,963.88	-8,972.92	8,121.80	8,082.67	39.13	207.582		
4,200.00	3,935.58	5,048.43	4,939.80	28.32	23.34	34.01	-1,966.26	-8,968.35	8,074.20	8,034.37	39.84	202.688		
4,300.00	4,027.07	5,082.00	4,972.90	29.13	23.50	34.04	-1,968.90	-8,963.45	8,027.25	7,986.69	40.56	197.903		
4,400.00	4,118.57	5,109.72	5,000.27	29.95	23.62	34.07	-1,971.00	-8,959.62	7,980.93	7,939.67	41.27	193.392		
4,500.00	4,210.06	5,141.33	5,031.53	30.76	23.76	34.11	-1,973.27	-8,955.47	7,935.26	7,893.27	41.99	188.979		
4,600.00	4,301.56	5,176.00	5,065.86	31.58	23.91	34.15	-1,975.61	-8,951.20	7,890.24	7,847.51	42.73	184.674		
4,700.00	4,393.05	5,205.12	5,094.72	32.39	24.03	34.19	-1,977.47	-8,947.83	7,845.87	7,802.42	43.44	180.607		
4,800.00	4,484.55	5,237.30	5,126.65	33.21	24.16	34.23	-1,979.43	-8,944.35	7,802.16	7,757.99	44.17	176.637		
4,900.00	4,576.04	5,271.00	5,160.13	34.02	24.30	34.27	-1,981.37	-8,940.96	7,759.13	7,714.22	44.91	172.782		
5,000.00	4,667.54	5,301.95	5,190.90	34.84	24.41	34.31	-1,983.07	-8,938.09	7,716.78	7,671.15	45.63	169.100		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST HZ BEEBE DRAW 2-8-26 - 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		
5,100.00	4,759.03	5,334.42	5,223.20	35.65	24.54	34.36	-1,984.77	-8,935.33	7,675.12	7,628.75	46.37	165.523		
5,200.00	4,850.53	5,365.00	5,253.65	36.47	24.65	34.40	-1,986.31	-8,932.95	7,634.16	7,587.06	47.10	162.082		
5,300.00	4,942.02	5,412.27	5,300.75	37.28	24.83	34.47	-1,988.58	-8,929.61	7,593.84	7,545.96	47.88	158.601		
5,400.00	5,033.51	5,460.00	5,348.33	38.10	25.00	34.54	-1,990.75	-8,926.56	7,554.08	7,505.42	48.66	155.230		
5,500.00	5,125.01	5,500.96	5,389.18	38.92	25.14	34.60	-1,992.52	-8,924.20	7,514.92	7,465.49	49.43	152.038		
5,600.00	5,216.50	5,554.00	5,442.11	39.73	25.32	34.68	-1,994.67	-8,921.52	7,476.36	7,426.13	50.23	148.845		
5,700.00	5,308.00	5,587.15	5,475.21	40.55	25.43	34.73	-1,995.91	-8,920.06	7,438.40	7,387.43	50.97	145.927		
5,800.00	5,399.49	5,649.00	5,536.99	41.36	25.63	34.83	-1,997.91	-8,917.85	7,401.16	7,349.36	51.80	142.877		
5,900.00	5,490.99	5,649.00	5,536.99	42.18	25.63	34.83	-1,997.91	-8,917.85	7,364.51	7,312.06	52.46	140.395		
6,000.00	5,582.48	5,703.61	5,591.57	43.00	25.80	34.93	-1,999.20	-8,916.54	7,328.54	7,275.27	53.26	137.597		
6,100.00	5,673.98	5,743.00	5,630.95	43.81	25.92	35.00	-1,999.77	-8,916.01	7,293.36	7,239.33	54.03	134.995		
6,200.00	5,765.47	5,800.43	5,688.38	44.63	26.08	35.10	-2,000.38	-8,915.60	7,258.79	7,203.95	54.84	132.362		
6,300.00	5,856.97	5,880.27	5,768.21	45.45	26.31	35.25	-2,001.09	-8,915.32	7,224.60	7,168.89	55.72	129.667		
6,400.00	5,948.46	5,969.81	5,857.75	46.26	26.56	35.43	-2,001.29	-8,915.03	7,190.46	7,133.84	56.62	126.991		
6,500.00	6,039.96	6,051.68	5,939.61	47.08	26.79	35.59	-2,001.62	-8,914.89	7,156.53	7,099.02	57.51	124.441		
6,600.00	6,131.45	6,145.27	6,033.21	47.90	27.05	35.77	-2,002.09	-8,914.72	7,122.66	7,064.23	58.43	121.894		
6,700.00	6,222.95	6,227.97	6,115.90	48.71	27.28	35.94	-2,002.60	-8,914.60	7,088.91	7,029.58	59.33	119.482		
6,800.00	6,314.44	6,297.96	6,185.89	49.53	27.48	36.08	-2,002.98	-8,914.67	7,055.44	6,995.24	60.19	117.214		
6,900.00	6,405.93	6,384.75	6,272.68	50.35	27.71	36.25	-2,003.35	-8,914.94	7,022.22	6,961.13	61.10	114.933		
7,000.00	6,497.01	6,475.32	6,363.25	51.18	27.96	31.28	-2,003.71	-8,915.25	6,987.90	6,925.88	62.02	112.676		
7,100.00	6,582.62	6,565.46	6,453.39	52.20	28.20	22.36	-2,004.02	-8,915.54	6,940.82	6,877.89	62.93	110.298		
7,200.00	6,659.25	6,648.03	6,535.96	53.42	28.43	16.86	-2,004.29	-8,915.74	6,879.19	6,815.42	63.77	107.876		
7,300.00	6,724.59	6,716.69	6,604.61	54.84	28.62	12.86	-2,004.71	-8,915.85	6,804.88	6,740.39	64.49	105.525		
7,400.00	6,776.64	6,769.57	6,657.50	56.40	28.77	9.10	-2,004.95	-8,915.92	6,720.17	6,655.13	65.04	103.326		
7,500.00	6,813.82	6,811.48	6,699.41	58.08	28.89	3.67	-2,005.10	-8,915.97	6,627.62	6,562.21	65.41	101.319		
7,600.00	6,835.01	6,836.19	6,724.12	59.82	28.96	-12.85	-2,005.20	-8,915.98	6,530.04	6,464.46	65.58	99.575		
7,700.00	6,840.00	6,841.99	6,729.92	61.57	28.97	-89.72	-2,005.23	-8,915.98	6,430.40	6,364.86	65.54	98.118		
7,800.00	6,840.00	6,842.00	6,729.92	63.35	28.97	-89.72	-2,005.23	-8,915.98	6,330.62	6,265.19	65.43	96.753		
7,900.00	6,840.00	6,842.00	6,729.93	65.20	28.97	-89.72	-2,005.23	-8,915.98	6,230.85	6,165.52	65.32	95.386		
8,000.00	6,840.00	6,842.00	6,729.93	67.10	28.97	-89.72	-2,005.23	-8,915.98	6,131.08	6,065.87	65.21	94.019		
8,100.00	6,840.00	6,842.01	6,729.93	69.05	28.97	-89.72	-2,005.23	-8,915.98	6,031.33	5,966.23	65.10	92.650		
8,200.00	6,840.00	6,842.01	6,729.93	71.06	28.97	-89.72	-2,005.23	-8,915.98	5,931.58	5,866.60	64.98	91.281		
8,300.00	6,840.00	6,842.01	6,729.94	73.11	28.97	-89.72	-2,005.23	-8,915.98	5,831.84	5,766.98	64.86	89.910		
8,400.00	6,840.00	6,842.01	6,729.94	75.21	28.97	-89.72	-2,005.23	-8,915.98	5,732.11	5,667.37	64.74	88.538		
8,500.00	6,840.00	6,842.02	6,729.94	77.34	28.97	-89.72	-2,005.23	-8,915.98	5,632.39	5,567.77	64.62	87.165		
8,600.00	6,840.00	6,842.02	6,729.95	79.51	28.97	-89.72	-2,005.23	-8,915.98	5,532.68	5,468.19	64.49	85.790		
8,700.00	6,840.00	6,842.02	6,729.95	81.72	28.97	-89.72	-2,005.23	-8,915.98	5,432.98	5,368.62	64.36	84.414		
8,800.00	6,840.00	6,842.02	6,729.95	83.95	28.97	-89.72	-2,005.23	-8,915.98	5,333.29	5,269.06	64.23	83.037		
8,900.00	6,840.00	6,842.03	6,729.95	86.22	28.97	-89.72	-2,005.23	-8,915.98	5,233.61	5,169.52	64.09	81.658		
9,000.00	6,840.00	6,842.03	6,729.96	88.51	28.97	-89.72	-2,005.23	-8,915.98	5,133.95	5,070.00	63.95	80.277		
9,100.00	6,840.00	6,842.03	6,729.96	90.83	28.97	-89.72	-2,005.23	-8,915.98	5,034.30	4,970.49	63.81	78.894		
9,200.00	6,840.00	6,842.04	6,729.96	93.16	28.97	-89.72	-2,005.23	-8,915.98	4,934.66	4,871.00	63.67	77.509		
9,300.00	6,840.00	6,842.04	6,729.96	95.52	28.97	-89.73	-2,005.23	-8,915.98	4,835.04	4,771.52	63.52	76.122		
9,400.00	6,840.00	6,842.04	6,729.97	97.90	28.97	-89.73	-2,005.23	-8,915.98	4,735.44	4,672.07	63.37	74.733		
9,500.00	6,840.00	6,842.04	6,729.97	100.30	28.97	-89.73	-2,005.23	-8,915.98	4,635.85	4,572.64	63.21	73.340		
9,600.00	6,840.00	6,842.05	6,729.97	102.72	28.97	-89.73	-2,005.23	-8,915.98	4,536.28	4,473.22	63.05	71.945		
9,700.00	6,840.00	6,842.05	6,729.97	105.15	28.97	-89.73	-2,005.23	-8,915.98	4,436.73	4,373.83	62.89	70.546		
9,800.00	6,840.00	6,842.05	6,729.98	107.59	28.97	-89.73	-2,005.23	-8,915.98	4,337.20	4,274.47	62.73	69.143		
9,900.00	6,840.00	6,842.05	6,729.98	110.05	28.97	-89.73	-2,005.23	-8,915.98	4,237.69	4,175.13	62.56	67.737		
10,000.00	6,840.00	6,842.06	6,729.98	112.52	28.97	-89.73	-2,005.23	-8,915.98	4,138.20	4,075.81	62.39	66.325		
10,100.00	6,840.00	6,842.06	6,729.99	115.00	28.97	-89.73	-2,005.23	-8,915.98	4,038.74	3,976.52	62.22	64.909		
10,200.00	6,840.00	6,842.06	6,729.99	117.50	28.97	-89.73	-2,005.23	-8,915.98	3,939.31	3,877.26	62.05	63.486		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST HZ BEEBE DRAW 2-8-26 - 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		
10,300.00	6,840.00	6,842.06	6,729.99	120.00	28.97	-89.73	-2,005.23	-8,915.98	3,839.91	3,778.03	61.88	62.057		
10,400.00	6,840.00	6,842.07	6,729.99	122.51	28.97	-89.73	-2,005.23	-8,915.98	3,740.54	3,678.83	61.70	60.620		
10,500.00	6,840.00	6,842.07	6,730.00	125.04	28.97	-89.73	-2,005.23	-8,915.98	3,641.20	3,579.67	61.53	59.175		
10,600.00	6,840.00	6,842.07	6,730.00	127.57	28.97	-89.73	-2,005.23	-8,915.98	3,541.90	3,480.54	61.36	57.721		
10,700.00	6,840.00	6,842.07	6,730.00	130.11	28.97	-89.73	-2,005.23	-8,915.98	3,442.65	3,381.45	61.20	56.256		
10,800.00	6,840.00	6,842.08	6,730.00	132.66	28.97	-89.73	-2,005.23	-8,915.98	3,343.43	3,282.40	61.04	54.778		
10,900.00	6,840.00	6,842.08	6,730.01	135.21	28.97	-89.73	-2,005.23	-8,915.98	3,244.27	3,183.38	60.88	53.287		
11,000.00	6,840.00	6,842.08	6,730.01	137.77	28.97	-89.73	-2,005.23	-8,915.98	3,145.15	3,084.41	60.74	51.779		
11,100.00	6,840.00	6,842.08	6,730.01	140.34	28.97	-89.73	-2,005.23	-8,915.98	3,046.10	2,985.49	60.61	50.254		
11,200.00	6,840.00	6,842.09	6,730.01	142.91	28.97	-89.73	-2,005.23	-8,915.98	2,947.11	2,886.60	60.51	48.708		
11,300.00	6,840.00	6,842.09	6,730.01	145.49	28.97	-89.73	-2,005.23	-8,915.98	2,848.19	2,787.77	60.42	47.139		
11,400.00	6,840.00	6,842.09	6,730.02	148.07	28.97	-89.73	-2,005.23	-8,915.98	2,749.35	2,688.98	60.37	45.543		
11,500.00	6,840.00	6,842.09	6,730.02	150.66	28.97	-89.73	-2,005.23	-8,915.98	2,650.59	2,590.24	60.35	43.918		
11,600.00	6,840.00	6,842.10	6,730.02	153.25	28.97	-89.73	-2,005.23	-8,915.98	2,551.93	2,491.55	60.39	42.259		
11,700.00	6,840.00	6,842.10	6,730.02	155.85	28.97	-89.73	-2,005.23	-8,915.98	2,453.38	2,392.90	60.49	40.562		
11,800.00	6,840.00	6,842.10	6,730.03	158.45	28.97	-89.73	-2,005.23	-8,915.98	2,354.96	2,294.30	60.66	38.823		
11,900.00	6,840.00	6,842.10	6,730.03	161.06	28.97	-89.73	-2,005.23	-8,915.98	2,256.67	2,195.74	60.93	37.037		
12,000.00	6,840.00	6,842.11	6,730.03	163.67	28.97	-89.73	-2,005.23	-8,915.98	2,158.54	2,097.22	61.32	35.202		
12,100.00	6,840.00	6,842.11	6,730.03	166.28	28.97	-89.73	-2,005.23	-8,915.98	2,060.58	1,998.73	61.85	33.313		
12,200.00	6,840.00	6,842.11	6,730.04	168.90	28.97	-89.73	-2,005.23	-8,915.98	1,962.84	1,900.27	62.57	31.369		
12,300.00	6,840.00	6,842.11	6,730.04	171.52	28.97	-89.74	-2,005.23	-8,915.98	1,865.33	1,801.82	63.51	29.371		
12,400.00	6,840.00	6,842.11	6,730.04	174.15	28.97	-89.74	-2,005.23	-8,915.98	1,768.10	1,703.38	64.72	27.319		
12,500.00	6,840.00	6,842.12	6,730.04	176.77	28.97	-89.74	-2,005.23	-8,915.98	1,671.20	1,604.94	66.26	25.222		
12,600.00	6,840.00	6,842.12	6,730.05	179.40	28.97	-89.74	-2,005.23	-8,915.98	1,574.69	1,506.49	68.20	23.089		
12,700.00	6,840.00	6,842.12	6,730.05	182.04	28.97	-89.74	-2,005.23	-8,915.98	1,478.64	1,408.01	70.63	20.935		
12,800.00	6,840.00	6,842.12	6,730.05	184.67	28.97	-89.74	-2,005.23	-8,915.98	1,383.15	1,309.50	73.65	18.781		
12,900.00	6,840.00	6,842.13	6,730.05	187.31	28.97	-89.74	-2,005.23	-8,915.98	1,288.34	1,210.97	77.38	16.651		
13,000.00	6,840.00	6,842.13	6,730.05	189.95	28.97	-89.74	-2,005.23	-8,915.98	1,194.38	1,112.41	81.97	14.571		
13,100.00	6,840.00	6,842.13	6,730.06	192.59	28.97	-89.74	-2,005.23	-8,915.98	1,101.49	1,013.86	87.63	12.570		
13,200.00	6,840.00	6,842.13	6,730.06	195.24	28.97	-89.74	-2,005.23	-8,915.98	1,009.96	915.38	94.58	10.678		
13,300.00	6,840.00	6,842.14	6,730.06	197.88	28.97	-89.74	-2,005.23	-8,915.98	920.18	817.06	103.13	8.923		
13,400.00	6,840.00	6,842.14	6,730.06	200.53	28.97	-89.74	-2,005.23	-8,915.98	832.75	719.10	113.64	7.328		
13,500.00	6,840.00	6,842.14	6,730.07	203.18	28.97	-89.74	-2,005.23	-8,915.98	748.46	621.88	126.58	5.913		
13,600.00	6,840.00	6,842.14	6,730.07	205.83	28.97	-89.74	-2,005.23	-8,915.98	668.52	526.12	142.41	4.694		
13,700.00	6,840.00	6,842.14	6,730.07	208.49	28.97	-89.74	-2,005.23	-8,915.98	594.68	433.19	161.49	3.682		
13,800.00	6,840.00	6,842.15	6,730.07	211.14	28.97	-89.74	-2,005.23	-8,915.98	529.51	345.80	183.71	2.882		
13,900.00	6,840.00	6,842.15	6,730.07	213.80	28.97	-89.74	-2,005.23	-8,915.98	476.56	268.90	207.66	2.295		
14,000.00	6,840.00	6,842.15	6,730.08	216.46	28.97	-89.74	-2,005.23	-8,915.98	440.27	210.48	229.79	1.916		
14,100.00	6,840.00	6,842.15	6,730.08	219.12	28.97	-89.74	-2,005.23	-8,915.98	424.92	180.23	244.70	1.737		
14,116.36	6,840.00	6,842.15	6,730.08	219.56	28.97	-89.74	-2,005.23	-8,915.98	424.61	178.50	246.11	1.725 CC, ES, SF		
14,200.00	6,840.00	6,842.15	6,730.08	221.78	28.97	-89.74	-2,005.23	-8,915.98	432.77	184.47	248.30	1.743		
14,300.00	6,840.00	6,842.16	6,730.08	224.45	28.97	-89.74	-2,005.23	-8,915.98	462.62	221.35	241.27	1.917		
14,400.00	6,840.00	6,842.16	6,730.08	227.11	28.97	-89.74	-2,005.23	-8,915.98	510.63	282.70	227.93	2.240		
14,500.00	6,840.00	6,842.16	6,730.09	229.78	28.97	-89.74	-2,005.23	-8,915.98	572.25	359.63	212.63	2.691		
14,600.00	6,840.00	6,842.16	6,730.09	232.45	28.97	-89.74	-2,005.23	-8,915.98	643.58	445.68	197.91	3.252		
14,700.00	6,840.00	6,842.16	6,730.09	235.12	28.97	-89.74	-2,005.23	-8,915.98	721.75	536.96	184.79	3.906		
14,800.00	6,840.00	6,842.17	6,730.09	237.79	28.97	-89.74	-2,005.23	-8,915.98	804.77	631.28	173.49	4.639		
14,900.00	6,840.00	6,842.17	6,730.09	240.46	28.97	-89.74	-2,005.23	-8,915.98	891.28	727.41	163.87	5.439		
15,000.00	6,840.00	6,842.17	6,730.10	243.13	28.97	-89.74	-2,005.23	-8,915.98	980.36	824.66	155.70	6.296		
15,100.00	6,840.00	6,842.17	6,730.10	245.80	28.97	-89.74	-2,005.23	-8,915.98	1,071.37	922.63	148.74	7.203		
15,200.00	6,840.00	6,842.18	6,730.10	248.48	28.97	-89.74	-2,005.23	-8,915.98	1,163.86	1,021.08	142.78	8.151		
15,300.00	6,840.00	6,842.18	6,730.10	251.15	28.97	-89.74	-2,005.23	-8,915.98	1,257.50	1,119.85	137.64	9.136		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST HZ BEEBE DRAW 2-8-26 - 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		
15,400.00	6,840.00	6,842.18	6,730.11	253.83	28.97	-89.74	-2,005.23	-8,915.98	1,352.04	1,218.86	133.19	10.152		
15,500.00	6,840.00	6,842.18	6,730.11	256.51	28.97	-89.74	-2,005.23	-8,915.98	1,447.33	1,318.03	129.29	11.194		
15,600.00	6,840.00	6,842.18	6,730.11	259.19	28.97	-89.74	-2,005.23	-8,915.98	1,543.20	1,417.34	125.87	12.260		
15,700.00	6,840.00	6,842.19	6,730.11	261.87	28.97	-89.75	-2,005.23	-8,915.98	1,639.58	1,516.73	122.84	13.347		
15,800.00	6,840.00	6,842.19	6,730.11	264.55	28.97	-89.75	-2,005.23	-8,915.98	1,736.36	1,616.20	120.15	14.451		
15,900.00	6,840.00	6,842.19	6,730.11	267.23	28.97	-89.75	-2,005.23	-8,915.98	1,833.48	1,715.73	117.75	15.571		
16,000.00	6,840.00	6,842.19	6,730.12	269.91	28.97	-89.75	-2,005.23	-8,915.98	1,930.90	1,815.31	115.59	16.704		
16,100.00	6,840.00	6,842.19	6,730.12	272.59	28.97	-89.75	-2,005.23	-8,915.98	2,028.58	1,914.93	113.65	17.850		
16,200.00	6,840.00	6,842.19	6,730.12	275.28	28.97	-89.75	-2,005.23	-8,915.98	2,126.46	2,014.58	111.89	19.005		
16,300.00	6,840.00	6,842.20	6,730.12	277.96	28.97	-89.75	-2,005.23	-8,915.98	2,224.54	2,114.25	110.29	20.170		
16,400.00	6,840.00	6,842.20	6,730.12	280.64	28.97	-89.75	-2,005.23	-8,915.98	2,322.78	2,213.95	108.83	21.343		
16,500.00	6,840.00	6,842.20	6,730.13	283.33	28.97	-89.75	-2,005.23	-8,915.98	2,421.16	2,313.67	107.49	22.524		
16,600.00	6,840.00	6,842.20	6,730.13	286.02	28.97	-89.75	-2,005.23	-8,915.98	2,519.67	2,413.40	106.27	23.710		
16,700.00	6,840.00	6,842.20	6,730.13	288.70	28.97	-89.75	-2,005.23	-8,915.98	2,618.30	2,513.15	105.15	24.902		
16,800.00	6,840.00	6,842.21	6,730.13	291.39	28.97	-89.75	-2,005.23	-8,915.98	2,717.02	2,612.92	104.11	26.098		
16,900.00	6,840.00	6,842.21	6,730.13	294.08	28.97	-89.75	-2,005.23	-8,915.98	2,815.84	2,712.69	103.15	27.299		
17,000.00	6,840.00	6,842.21	6,730.14	296.77	28.97	-89.75	-2,005.23	-8,915.98	2,914.73	2,812.47	102.26	28.503		
17,100.00	6,840.00	6,842.21	6,730.14	299.46	28.97	-89.75	-2,005.23	-8,915.98	3,013.70	2,912.27	101.43	29.711		
17,200.00	6,840.00	6,842.21	6,730.14	302.14	28.97	-89.75	-2,005.23	-8,915.98	3,112.74	3,012.07	100.67	30.921		
17,300.00	6,840.00	6,842.22	6,730.14	304.84	28.97	-89.75	-2,005.23	-8,915.98	3,211.83	3,111.88	99.95	32.134		
17,400.00	6,840.00	6,842.22	6,730.14	307.53	28.97	-89.75	-2,005.23	-8,915.98	3,310.98	3,211.69	99.28	33.349		
17,500.00	6,840.00	6,842.22	6,730.15	310.22	28.97	-89.75	-2,005.23	-8,915.98	3,410.18	3,311.52	98.66	34.565		
17,600.00	6,840.00	6,842.22	6,730.15	312.91	28.97	-89.75	-2,005.23	-8,915.98	3,509.42	3,411.34	98.08	35.783		
17,700.00	6,840.00	6,842.22	6,730.15	315.60	28.97	-89.75	-2,005.23	-8,915.98	3,608.71	3,511.18	97.53	37.001		
17,800.00	6,840.00	6,842.22	6,730.15	318.29	28.97	-89.75	-2,005.23	-8,915.98	3,708.03	3,611.02	97.02	38.221		
17,900.00	6,840.00	6,842.23	6,730.15	320.99	28.97	-89.75	-2,005.23	-8,915.98	3,807.39	3,710.86	96.53	39.441		
18,000.00	6,840.00	6,842.23	6,730.15	323.68	28.97	-89.75	-2,005.23	-8,915.98	3,906.78	3,810.70	96.08	40.662		
18,100.00	6,840.00	6,842.23	6,730.16	326.38	28.97	-89.75	-2,005.23	-8,915.98	4,006.20	3,910.55	95.65	41.883		
18,200.00	6,840.00	6,842.23	6,730.16	329.07	28.97	-89.75	-2,005.23	-8,915.98	4,105.66	4,010.41	95.25	43.104		
18,300.00	6,840.00	6,842.23	6,730.16	331.77	28.97	-89.75	-2,005.23	-8,915.98	4,205.13	4,110.26	94.87	44.325		
18,400.00	6,840.00	6,842.24	6,730.16	334.46	28.97	-89.75	-2,005.23	-8,915.98	4,304.63	4,210.12	94.51	45.546		
18,500.00	6,840.00	6,842.24	6,730.16	337.16	28.97	-89.75	-2,005.23	-8,915.98	4,404.16	4,309.98	94.17	46.767		
18,600.00	6,840.00	6,842.24	6,730.16	339.85	28.97	-89.75	-2,005.23	-8,915.98	4,503.70	4,409.85	93.85	47.987		
18,700.00	6,840.00	6,842.24	6,730.17	342.55	28.97	-89.75	-2,005.23	-8,915.98	4,603.26	4,509.71	93.55	49.207		
18,800.00	6,840.00	6,842.24	6,730.17	345.25	28.97	-89.75	-2,005.23	-8,915.98	4,702.85	4,609.58	93.26	50.426		
18,900.00	6,840.00	6,842.24	6,730.17	347.94	28.97	-89.75	-2,005.23	-8,915.98	4,802.45	4,709.46	92.99	51.644		
19,000.00	6,840.00	6,842.25	6,730.17	350.64	28.97	-89.75	-2,005.23	-8,915.98	4,902.06	4,809.33	92.73	52.861		
19,100.00	6,840.00	6,842.25	6,730.17	353.34	28.97	-89.75	-2,005.23	-8,915.98	5,001.70	4,909.20	92.49	54.077		
19,200.00	6,840.00	6,842.25	6,730.18	356.04	28.97	-89.75	-2,005.23	-8,915.98	5,101.34	5,009.08	92.26	55.293		
19,300.00	6,840.00	6,842.25	6,730.18	358.74	28.97	-89.75	-2,005.23	-8,915.98	5,201.00	5,108.96	92.04	56.507		
19,400.00	6,840.00	6,842.25	6,730.18	361.44	28.97	-89.75	-2,005.23	-8,915.98	5,300.67	5,208.84	91.83	57.720		
19,500.00	6,840.00	6,842.25	6,730.18	364.13	28.97	-89.75	-2,005.23	-8,915.98	5,400.36	5,308.72	91.64	58.932		
19,600.00	6,840.00	6,842.26	6,730.18	366.83	28.97	-89.75	-2,005.23	-8,915.98	5,500.05	5,408.60	91.45	60.143		
19,700.00	6,840.00	6,842.26	6,730.18	369.53	28.97	-89.75	-2,005.23	-8,915.98	5,599.76	5,508.49	91.27	61.352		
19,800.00	6,840.00	6,842.26	6,730.19	372.23	28.97	-89.76	-2,005.23	-8,915.98	5,699.48	5,608.37	91.10	62.560		
19,900.00	6,840.00	6,842.26	6,730.19	374.94	28.97	-89.76	-2,005.23	-8,915.98	5,799.20	5,708.26	90.95	63.766		
20,000.00	6,840.00	6,842.26	6,730.19	377.64	28.97	-89.76	-2,005.23	-8,915.98	5,898.94	5,808.15	90.79	64.971		
20,100.00	6,840.00	6,842.26	6,730.19	380.34	28.97	-89.76	-2,005.23	-8,915.98	5,998.69	5,908.04	90.65	66.174		
20,200.00	6,840.00	6,842.27	6,730.19	383.04	28.97	-89.76	-2,005.23	-8,915.98	6,098.44	6,007.93	90.51	67.376		
20,300.00	6,840.00	6,842.27	6,730.19	385.74	28.97	-89.76	-2,005.23	-8,915.98	6,198.20	6,107.82	90.38	68.576		
20,400.00	6,840.00	6,842.27	6,730.20	388.44	28.97	-89.76	-2,005.23	-8,915.98	6,297.97	6,207.71	90.26	69.774		
20,500.00	6,840.00	6,842.27	6,730.20	391.14	28.97	-89.76	-2,005.23	-8,915.98	6,397.75	6,307.60	90.15	70.971		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		SEC 26-T4N-R65W - EXIST HZ BEEBE DRAW 2-8-26 - 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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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
20,552.28	6,840.00	6,842.27	6,730.20	392.56	28.97	-89.76	-2,005.23	-8,915.98	6,449.91	6,359.82	90.09	71.596	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 82-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	-116.63	-2,601.68	-5,188.70	5,804.72					
100.00	100.00	49.86	49.86	0.13	0.06	-116.63	-2,601.71	-5,188.65	5,804.40	5,804.21	0.19	N/A		
200.00	200.00	158.87	158.87	0.49	0.37	-116.63	-2,601.81	-5,188.31	5,804.16	5,803.30	0.86	6,739.369		
300.00	300.00	233.79	233.78	0.85	0.63	-116.63	-2,601.78	-5,188.21	5,804.04	5,802.56	1.48	3,921.689		
318.84	318.84	246.63	246.63	0.92	0.67	11.42	-2,601.77	-5,188.25	5,804.02	5,802.43	1.59	3,651.585		
400.00	399.98	337.88	337.88	1.20	0.99	11.43	-2,601.75	-5,188.54	5,802.60	5,800.41	2.19	2,654.017		
500.00	499.84	456.95	456.94	1.55	1.41	11.46	-2,601.98	-5,188.25	5,797.34	5,794.38	2.95	1,962.288		
600.00	599.45	536.60	536.60	1.91	1.69	11.51	-2,602.18	-5,188.06	5,788.70	5,785.11	3.59	1,611.686		
700.00	698.70	671.62	671.61	2.29	2.17	11.58	-2,602.66	-5,187.60	5,776.63	5,772.20	4.43	1,302.841		
800.00	797.47	786.69	786.68	2.70	2.58	11.68	-2,602.66	-5,186.58	5,760.51	5,755.30	5.21	1,105.895		
900.00	895.62	866.33	866.32	3.14	2.86	11.79	-2,602.36	-5,186.11	5,741.13	5,735.27	5.86	979.572		
1,000.00	993.06	942.24	942.23	3.62	3.13	11.92	-2,602.33	-5,185.91	5,718.84	5,712.33	6.51	879.029		
1,100.00	1,089.64	1,077.33	1,077.32	4.14	3.61	12.11	-2,602.16	-5,185.22	5,692.96	5,685.60	7.37	772.631		
1,200.00	1,185.27	1,190.60	1,190.58	4.70	4.01	12.31	-2,601.70	-5,184.23	5,663.41	5,655.25	8.16	694.197		
1,300.00	1,279.82	1,290.25	1,290.23	5.31	4.36	12.53	-2,601.35	-5,183.08	5,630.41	5,621.51	8.91	632.074		
1,400.00	1,373.17	1,441.87	1,441.80	5.98	4.91	12.82	-2,601.40	-5,179.92	5,593.54	5,583.69	9.85	568.027		
1,500.00	1,465.22	1,515.93	1,515.84	6.70	5.17	13.06	-2,601.72	-5,177.99	5,553.35	5,542.82	10.53	527.517		
1,600.00	1,556.72	1,578.10	1,577.99	7.45	5.40	13.11	-2,602.16	-5,176.60	5,512.32	5,501.16	11.16	494.084		
1,700.00	1,648.21	1,632.53	1,632.42	8.21	5.59	13.16	-2,602.63	-5,175.68	5,471.82	5,460.05	11.77	465.023		
1,800.00	1,739.71	1,687.00	1,686.88	8.99	5.78	13.21	-2,603.13	-5,175.20	5,431.97	5,419.59	12.38	438.618		
1,900.00	1,831.20	1,744.20	1,744.08	9.77	5.98	13.26	-2,603.58	-5,175.14	5,392.74	5,379.73	13.01	414.475		
2,000.00	1,922.69	1,782.00	1,781.88	10.56	6.11	13.30	-2,603.80	-5,175.34	5,354.14	5,340.56	13.58	394.225		
2,100.00	2,014.19	1,844.91	1,844.78	11.35	6.32	13.37	-2,604.13	-5,176.23	5,316.19	5,301.96	14.23	373.524		
2,200.00	2,105.68	2,666.00	2,661.44	12.14	9.20	14.98	-2,540.03	-5,163.77	5,272.80	5,255.57	17.23	305.978		
2,300.00	2,197.18	2,726.62	2,721.46	12.94	9.43	15.12	-2,532.59	-5,159.63	5,223.33	5,205.44	17.89	291.974		
2,400.00	2,288.67	2,819.66	2,813.54	13.74	9.78	15.35	-2,520.65	-5,153.74	5,174.09	5,155.43	18.65	277.398		
2,500.00	2,380.17	2,881.10	2,874.32	14.54	10.01	15.51	-2,512.35	-5,150.09	5,124.97	5,105.64	19.33	265.177		
2,600.00	2,471.66	2,943.57	2,936.07	15.35	10.25	15.69	-2,503.52	-5,146.95	5,076.37	5,056.36	20.01	253.681		
2,700.00	2,563.16	3,021.66	3,013.27	16.15	10.56	15.91	-2,492.33	-5,143.30	5,028.06	5,007.31	20.75	242.323		
2,800.00	2,654.65	3,087.80	3,078.66	16.96	10.81	16.10	-2,482.84	-5,140.41	4,980.06	4,958.60	21.46	232.075		
2,900.00	2,746.15	3,164.25	3,154.26	17.76	11.11	16.33	-2,471.87	-5,137.34	4,932.40	4,910.20	22.21	222.126		
3,000.00	2,837.64	3,240.50	3,229.67	18.57	11.41	16.56	-2,461.03	-5,134.32	4,884.94	4,861.98	22.96	212.786		
3,100.00	2,929.14	3,310.46	3,298.94	19.38	11.69	16.77	-2,451.59	-5,131.56	4,837.80	4,814.11	23.69	204.177		
3,200.00	3,020.63	3,383.15	3,370.98	20.19	11.97	16.98	-2,442.36	-5,128.67	4,791.01	4,766.57	24.44	196.006		
3,300.00	3,112.13	3,618.06	3,603.59	21.00	12.90	17.67	-2,412.60	-5,115.11	4,742.53	4,716.88	25.65	184.860		
3,400.00	3,203.62	3,749.60	3,733.67	21.81	13.43	18.06	-2,396.06	-5,104.64	4,692.70	4,666.14	26.57	176.646		
3,500.00	3,295.12	3,811.91	3,795.25	22.63	13.69	18.25	-2,388.03	-5,099.60	4,642.84	4,615.55	27.30	170.089		
3,600.00	3,386.61	3,870.00	3,852.67	23.44	13.92	18.43	-2,380.22	-5,095.56	4,593.69	4,565.66	28.02	163.920		
3,700.00	3,478.10	3,896.67	3,879.03	24.25	14.03	18.52	-2,376.50	-5,094.02	4,545.36	4,516.68	28.68	158.511		
3,800.00	3,569.60	3,928.82	3,910.82	25.06	14.16	18.63	-2,371.88	-5,092.60	4,498.13	4,468.79	29.35	153.268		
3,900.00	3,661.09	3,964.00	3,945.59	25.88	14.31	18.76	-2,366.65	-5,091.57	4,452.04	4,422.00	30.04	148.226		
4,000.00	3,752.59	4,002.79	3,983.93	26.69	14.46	18.91	-2,360.81	-5,090.94	4,407.01	4,376.27	30.74	143.359		
4,100.00	3,844.08	4,059.00	4,039.52	27.50	14.69	19.13	-2,352.42	-5,090.66	4,363.01	4,331.50	31.50	138.489		
4,200.00	3,935.58	4,143.35	4,122.94	28.32	15.03	19.46	-2,339.93	-5,090.54	4,319.55	4,287.19	32.36	133.491		
4,300.00	4,027.07	4,266.38	4,244.59	29.13	15.53	19.96	-2,321.60	-5,089.47	4,275.62	4,242.29	33.33	128.270		
4,400.00	4,118.57	4,332.02	4,309.48	29.95	15.80	20.23	-2,311.75	-5,088.89	4,231.76	4,197.62	34.15	123.926		
4,500.00	4,210.06	4,536.47	4,511.64	30.76	16.63	21.07	-2,281.57	-5,084.77	4,187.60	4,152.24	35.36	118.435		
4,600.00	4,301.56	4,674.60	4,648.24	31.58	17.21	21.64	-2,262.13	-5,078.17	4,141.16	4,104.80	36.37	113.872		
4,700.00	4,393.05	4,755.07	4,727.78	32.39	17.54	21.97	-2,250.90	-5,073.63	4,094.21	4,056.98	37.23	109.961		
4,800.00	4,484.55	4,815.00	4,787.06	33.21	17.79	22.22	-2,242.52	-5,070.71	4,047.95	4,009.89	38.06	106.365		
4,900.00	4,576.04	4,891.71	4,862.95	34.02	18.11	22.55	-2,231.96	-5,067.24	4,002.21	3,963.28	38.93	102.803		
5,000.00	4,667.54	5,011.66	4,981.68	34.84	18.60	23.07	-2,216.04	-5,061.16	3,956.33	3,916.42	39.91	99.127		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST HZ CENTENNIAL STATE G34-689 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 82-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	4,759.03	5,079.15	5,048.50	35.65	18.88	23.37	-2,207.15	-5,057.57	3,910.38	3,869.60	40.78	95.900		
5,200.00	4,850.53	5,170.60	5,139.02	36.47	19.26	23.78	-2,195.04	-5,052.88	3,864.73	3,823.03	41.70	92.671		
5,300.00	4,942.02	5,281.65	5,248.94	37.28	19.72	24.28	-2,180.60	-5,046.58	3,818.85	3,776.17	42.68	89.476		
5,400.00	5,033.51	5,288.00	5,255.23	38.10	19.75	24.31	-2,179.78	-5,046.19	3,773.63	3,730.20	43.43	86.886		
5,500.00	5,125.01	5,337.31	5,304.13	38.92	19.95	24.53	-2,173.92	-5,043.82	3,729.45	3,685.17	44.28	84.223		
5,600.00	5,216.50	5,382.00	5,348.58	39.73	20.12	24.73	-2,169.44	-5,042.82	3,687.25	3,642.13	45.12	81.715		
5,700.00	5,308.00	5,382.00	5,348.58	40.55	20.12	24.73	-2,169.44	-5,042.82	3,646.39	3,600.52	45.86	79.508		
5,800.00	5,399.49	5,425.99	5,392.43	41.36	20.28	24.91	-2,165.96	-5,042.67	3,607.13	3,560.43	46.70	77.248		
5,900.00	5,490.99	5,477.00	5,443.37	42.18	20.47	25.11	-2,163.30	-5,043.26	3,569.52	3,521.97	47.54	75.077		
6,000.00	5,582.48	5,539.51	5,505.85	43.00	20.67	25.32	-2,161.82	-5,044.11	3,532.94	3,484.54	48.40	72.999		
6,100.00	5,673.98	5,653.01	5,619.35	43.81	21.04	25.67	-2,161.99	-5,044.30	3,496.14	3,446.81	49.33	70.877		
6,200.00	5,765.47	5,738.37	5,704.71	44.63	21.31	25.93	-2,162.00	-5,044.25	3,459.18	3,408.96	50.22	68.885		
6,300.00	5,856.97	5,826.54	5,792.88	45.45	21.59	26.21	-2,162.02	-5,044.38	3,422.49	3,371.38	51.11	66.958		
6,400.00	5,948.46	5,918.25	5,884.59	46.26	21.89	26.51	-2,162.06	-5,044.55	3,385.91	3,333.88	52.02	65.086		
6,500.00	6,039.96	6,013.85	5,980.19	47.08	22.19	26.83	-2,162.03	-5,044.68	3,349.36	3,296.41	52.95	63.258		
6,600.00	6,131.45	6,104.00	6,070.34	47.90	22.49	27.13	-2,162.00	-5,044.72	3,312.81	3,258.94	53.87	61.492		
6,700.00	6,222.95	6,192.92	6,159.26	48.71	22.78	27.44	-2,161.94	-5,044.87	3,276.45	3,221.65	54.80	59.785		
6,800.00	6,314.44	6,285.62	6,251.96	49.53	23.08	27.77	-2,161.94	-5,045.03	3,240.21	3,184.47	55.75	58.126		
6,900.00	6,405.93	6,327.00	6,293.34	50.35	23.21	27.92	-2,161.91	-5,045.09	3,204.42	3,147.80	56.62	56.593		
7,000.00	6,497.01	6,370.08	6,336.41	51.18	23.35	22.71	-2,161.72	-5,045.86	3,168.97	3,111.46	57.50	55.109		
7,100.00	6,582.62	6,421.00	6,387.25	52.20	23.52	12.98	-2,161.10	-5,048.64	3,123.30	3,064.95	58.35	53.526		
7,200.00	6,659.25	6,421.00	6,387.25	53.42	23.52	6.08	-2,161.10	-5,048.64	3,064.26	3,005.28	58.98	51.956		
7,300.00	6,724.59	6,421.00	6,387.25	54.84	23.52	0.08	-2,161.10	-5,048.64	2,994.36	2,934.91	59.45	50.371		
7,400.00	6,776.64	6,421.00	6,387.25	56.40	23.52	-6.59	-2,161.10	-5,048.64	2,915.00	2,855.27	59.73	48.799		
7,500.00	6,813.82	6,421.00	6,387.25	58.08	23.52	-16.05	-2,161.10	-5,048.64	2,827.93	2,768.11	59.83	47.268		
7,600.00	6,835.01	6,461.50	6,427.52	59.82	23.65	-34.04	-2,160.36	-5,052.87	2,733.70	2,673.85	59.85	45.678		
7,700.00	6,840.00	6,465.32	6,431.29	61.57	23.66	-57.98	-2,160.29	-5,053.39	2,637.37	2,577.81	59.56	44.278		
7,800.00	6,840.00	6,468.33	6,434.27	63.35	23.67	-58.20	-2,160.23	-5,053.82	2,540.68	2,481.47	59.22	42.906		
7,900.00	6,840.00	6,471.53	6,437.44	65.20	23.68	-58.43	-2,160.16	-5,054.29	2,444.24	2,385.38	58.87	41.522		
8,000.00	6,840.00	6,474.95	6,440.82	67.10	23.69	-58.68	-2,160.09	-5,054.81	2,348.08	2,289.56	58.52	40.125		
8,100.00	6,840.00	6,478.62	6,444.44	69.05	23.70	-58.95	-2,160.01	-5,055.39	2,252.23	2,194.05	58.18	38.712		
8,200.00	6,840.00	6,516.00	6,481.14	71.06	23.82	-61.74	-2,159.14	-5,062.40	2,157.78	2,099.87	57.91	37.258		
8,300.00	6,840.00	6,516.00	6,481.14	73.11	23.82	-61.74	-2,159.14	-5,062.40	2,062.43	2,004.83	57.60	35.806		
8,400.00	6,840.00	6,516.00	6,481.14	75.21	23.82	-61.74	-2,159.14	-5,062.40	1,967.53	1,910.21	57.33	34.320		
8,500.00	6,840.00	6,516.00	6,481.14	77.34	23.82	-61.74	-2,159.14	-5,062.40	1,873.17	1,816.05	57.12	32.794		
8,600.00	6,840.00	6,516.00	6,481.14	79.51	23.82	-61.74	-2,159.14	-5,062.40	1,779.43	1,722.43	57.00	31.218		
8,700.00	6,840.00	6,516.00	6,481.14	81.72	23.82	-61.74	-2,159.14	-5,062.40	1,686.40	1,629.39	57.01	29.583		
8,800.00	6,840.00	6,516.00	6,481.14	83.95	23.82	-61.74	-2,159.14	-5,062.40	1,594.22	1,537.03	57.18	27.879		
8,900.00	6,840.00	6,516.00	6,481.14	86.22	23.82	-61.74	-2,159.14	-5,062.40	1,503.04	1,445.44	57.59	26.097		
9,000.00	6,840.00	6,516.00	6,481.14	88.51	23.82	-61.74	-2,159.14	-5,062.40	1,413.05	1,354.74	58.31	24.232		
9,100.00	6,840.00	6,516.00	6,481.14	90.83	23.82	-61.74	-2,159.14	-5,062.40	1,324.50	1,265.07	59.43	22.287		
9,200.00	6,840.00	6,545.13	6,509.48	93.16	23.90	-64.03	-2,158.72	-5,069.14	1,236.76	1,175.82	60.95	20.293		
9,300.00	6,840.00	6,554.72	6,518.75	95.52	23.92	-64.80	-2,158.72	-5,071.58	1,151.34	1,088.19	63.15	18.231		
9,400.00	6,840.00	6,565.18	6,528.84	97.90	23.95	-65.65	-2,158.79	-5,074.35	1,068.20	1,002.08	66.13	16.154		
9,500.00	6,840.00	6,576.65	6,539.85	100.30	23.98	-66.60	-2,158.96	-5,077.53	987.90	917.87	70.03	14.107		
9,600.00	6,840.00	6,610.00	6,571.62	102.72	24.08	-69.44	-2,160.00	-5,087.63	911.65	836.76	74.90	12.172		
9,700.00	6,840.00	6,610.00	6,571.62	105.15	24.08	-69.44	-2,160.00	-5,087.63	838.84	757.64	81.19	10.331		
9,800.00	6,840.00	6,610.00	6,571.62	107.59	24.08	-69.44	-2,160.00	-5,087.63	772.13	683.36	88.78	8.698		
9,900.00	6,840.00	6,633.82	6,593.99	110.05	24.13	-71.50	-2,161.22	-5,095.71	712.42	614.82	97.60	7.299		
10,000.00	6,840.00	6,652.22	6,611.04	112.52	24.17	-73.12	-2,162.43	-5,102.52	661.68	554.14	107.53	6.153		
10,100.00	6,840.00	6,673.58	6,630.55	115.00	24.22	-74.99	-2,164.12	-5,111.04	621.74	503.70	118.04	5.267		
10,200.00	6,840.00	6,705.00	6,658.65	117.50	24.29	-77.75	-2,167.17	-5,124.76	594.52	466.20	128.32	4.633		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST HZ CENTENNIAL STATE G34-689 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 82-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		
10,300.00	6,840.00	6,738.79	6,687.93	120.00	24.35	-80.66	-2,170.69	-5,141.23	580.85	443.52	137.33	4.230		
10,358.00	6,840.00	6,770.41	6,714.31	121.46	24.41	-83.28	-2,173.76	-5,158.40	578.85	437.24	141.61	4.088	CC	
10,400.00	6,840.00	6,797.54	6,736.06	122.51	24.46	-85.45	-2,176.21	-5,174.42	579.81	435.64	144.17	4.022		
10,500.00	6,840.00	6,908.44	6,817.04	125.04	24.64	-93.44	-2,182.22	-5,249.71	587.03	439.21	147.83	3.971		
10,600.00	6,840.00	6,989.72	6,867.49	127.57	24.76	-98.29	-2,184.95	-5,313.31	599.38	449.12	150.26	3.989		
10,700.00	6,840.00	7,100.82	6,922.48	130.11	25.36	-103.36	-2,189.08	-5,409.60	614.63	463.44	151.19	4.065		
10,800.00	6,840.00	7,267.94	6,972.44	132.66	26.95	-107.75	-2,191.72	-5,568.57	625.38	474.55	150.83	4.146		
10,900.00	6,840.00	7,430.42	6,981.88	135.21	29.05	-108.74	-2,185.28	-5,730.36	622.87	470.95	151.93	4.100		
11,000.00	6,840.00	7,524.91	6,982.48	137.77	30.48	-108.94	-2,179.99	-5,824.70	618.26	462.38	155.88	3.966		
11,100.00	6,840.00	7,613.92	6,982.96	140.34	31.95	-109.07	-2,176.50	-5,913.63	615.19	455.02	160.17	3.841		
11,183.58	6,840.00	7,684.29	6,983.40	142.49	33.19	-109.14	-2,175.08	-5,983.99	614.17	450.23	163.94	3.746		
11,200.00	6,840.00	7,697.42	6,983.49	142.91	33.43	-109.15	-2,175.02	-5,997.12	614.21	449.51	164.70	3.729		
11,300.00	6,840.00	7,781.47	6,984.03	145.49	34.99	-109.15	-2,176.27	-6,081.15	616.25	446.98	169.26	3.641		
11,400.00	6,840.00	7,873.57	6,984.63	148.07	36.78	-109.09	-2,179.39	-6,173.20	620.11	446.35	173.76	3.569		
11,500.00	6,840.00	7,969.15	6,985.26	150.66	38.72	-109.01	-2,183.49	-6,268.69	624.84	446.53	178.31	3.504		
11,600.00	6,840.00	8,067.35	6,985.59	153.25	40.78	-108.88	-2,188.48	-6,366.76	630.21	447.26	182.95	3.445		
11,700.00	6,840.00	8,172.76	6,985.77	155.85	43.06	-108.73	-2,193.46	-6,472.05	635.21	447.58	187.63	3.385		
11,800.00	6,840.00	8,276.96	6,985.95	158.45	45.39	-108.62	-2,197.33	-6,576.19	639.23	446.88	192.35	3.323		
11,900.00	6,840.00	8,390.76	6,986.28	161.06	47.99	-108.55	-2,200.29	-6,689.94	642.29	445.30	196.99	3.260		
12,000.00	6,840.00	8,523.67	6,986.54	163.67	51.12	-108.62	-2,197.73	-6,822.80	640.86	439.81	201.05	3.188		
12,100.00	6,840.00	8,617.93	6,986.79	166.28	53.39	-108.73	-2,194.15	-6,916.99	637.81	431.94	205.87	3.098		
12,200.00	6,840.00	8,711.35	6,987.15	168.90	55.66	-108.83	-2,191.54	-7,010.37	635.75	425.00	210.74	3.017		
12,300.00	6,840.00	8,804.34	6,987.50	171.52	57.93	-108.89	-2,189.95	-7,103.35	634.72	419.08	215.64	2.943		
12,332.77	6,840.00	8,834.26	6,987.59	172.38	58.67	-108.90	-2,189.71	-7,133.27	634.64	417.37	217.27	2.921		
12,400.00	6,840.00	8,900.07	6,987.71	174.15	60.29	-108.91	-2,189.61	-7,199.08	634.89	414.33	220.56	2.879		
12,500.00	6,840.00	9,009.92	6,987.40	176.77	63.03	-108.90	-2,188.23	-7,308.92	634.04	408.75	225.29	2.814		
12,600.00	6,840.00	9,108.61	6,987.48	179.40	65.51	-108.95	-2,186.40	-7,407.59	632.78	402.60	230.17	2.749		
12,700.00	6,840.00	9,207.61	6,987.64	182.04	68.01	-109.00	-2,184.84	-7,506.58	631.80	396.74	235.06	2.688		
12,800.00	6,840.00	9,304.80	6,987.78	184.67	70.47	-109.04	-2,183.40	-7,603.76	630.91	390.91	240.00	2.629		
12,851.29	6,840.00	9,352.80	6,987.79	186.02	71.70	-109.04	-2,183.03	-7,651.76	630.78	388.20	242.58	2.600		
12,900.00	6,840.00	9,399.34	6,987.83	187.31	72.88	-109.04	-2,182.88	-7,698.30	630.86	385.84	245.03	2.575		
13,000.00	6,840.00	9,490.07	6,988.09	189.95	75.20	-109.04	-2,183.18	-7,789.02	631.75	381.67	250.08	2.526		
13,100.00	6,840.00	9,584.30	6,988.73	192.59	77.62	-109.03	-2,185.17	-7,883.23	634.40	379.29	255.11	2.487		
13,200.00	6,840.00	9,690.64	6,989.18	195.24	80.36	-108.99	-2,187.01	-7,989.55	636.63	376.53	260.11	2.448		
13,300.00	6,840.00	9,791.80	6,989.51	197.88	82.97	-108.98	-2,187.97	-8,090.71	638.10	372.98	265.12	2.407		
13,400.00	6,840.00	9,894.25	6,990.03	200.53	85.63	-108.98	-2,188.87	-8,193.15	639.56	369.46	270.10	2.368		
13,500.00	6,840.00	9,997.23	6,990.67	203.18	88.31	-109.02	-2,189.12	-8,296.13	640.44	365.40	275.04	2.329		
13,600.00	6,840.00	10,100.98	6,991.50	205.83	91.02	-109.08	-2,188.77	-8,399.87	640.85	360.93	279.92	2.289		
13,700.00	6,840.00	10,211.77	6,992.16	208.49	93.93	-109.17	-2,187.18	-8,510.65	640.15	355.51	284.65	2.249		
13,800.00	6,840.00	10,319.62	6,992.64	211.14	96.76	-109.30	-2,183.66	-8,618.45	637.66	348.35	289.30	2.204		
13,900.00	6,840.00	10,414.15	6,993.25	213.80	99.25	-109.42	-2,180.73	-8,712.93	635.40	341.14	294.26	2.159		
14,000.00	6,840.00	10,515.11	6,994.09	216.46	101.92	-109.57	-2,177.72	-8,813.84	633.32	334.28	299.03	2.118		
14,100.00	6,840.00	10,606.28	6,994.83	219.12	104.33	-109.70	-2,175.21	-8,904.96	631.49	327.47	304.02	2.077		
14,118.91	6,840.00	10,620.67	6,994.95	219.63	104.71	-109.71	-2,175.04	-8,919.36	631.42	326.41	305.02	2.070		
14,200.00	6,840.00	10,684.21	6,995.46	221.78	106.39	-109.73	-2,175.59	-8,982.89	632.65	323.47	309.18	2.046		
14,300.00	6,840.00	10,779.20	6,996.28	224.45	108.89	-109.71	-2,178.05	-9,077.84	635.83	321.60	314.24	2.023		
14,400.00	6,840.00	10,878.76	6,997.08	227.11	111.52	-109.66	-2,181.28	-9,177.34	639.62	320.26	319.35	2.003		
14,500.00	6,840.00	10,993.29	6,997.90	229.78	114.55	-109.66	-2,183.13	-9,291.86	641.79	317.39	324.41	1.978		
14,600.00	6,840.00	11,097.92	6,998.56	232.45	117.32	-109.69	-2,183.55	-9,396.48	642.85	313.47	329.38	1.952		
14,700.00	6,840.00	11,194.54	6,999.03	235.12	119.89	-109.72	-2,183.44	-9,493.10	643.37	308.96	334.41	1.924		
14,800.00	6,840.00	11,293.34	6,999.61	237.79	122.52	-109.72	-2,184.52	-9,591.90	645.06	305.58	339.47	1.900		
14,900.00	6,840.00	11,404.41	7,000.08	240.46	125.47	-109.74	-2,184.38	-9,702.96	645.54	301.16	344.38	1.874		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST HZ CENTENNIAL STATE G34-689 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 82-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		
14,936.33	6,840.00	11,444.79	7,000.25	241.43	126.55	-109.77	-2,183.83	-9,743.34	645.29	299.17	346.11	1.864		
15,000.00	6,840.00	11,487.35	7,000.49	243.13	127.68	-109.77	-2,184.13	-9,785.90	645.98	296.47	349.51	1.848		
15,100.00	6,840.00	11,560.75	7,001.02	245.80	129.63	-109.73	-2,186.89	-9,859.23	650.24	295.87	354.37	1.835		
15,200.00	6,840.00	11,641.29	7,001.68	248.48	131.75	-109.57	-2,193.51	-9,939.49	658.59	299.44	359.15	1.834		
15,300.00	6,840.00	11,771.50	7,002.39	251.15	135.19	-109.35	-2,202.74	-10,069.36	666.02	300.57	365.45	1.822		
15,400.00	6,840.00	11,914.99	7,003.13	253.83	139.02	-109.35	-2,203.91	-10,212.82	667.40	297.04	370.36	1.802		
15,500.00	6,840.00	12,031.98	7,003.41	256.51	142.15	-109.50	-2,199.10	-10,329.70	664.02	289.35	374.67	1.772		
15,600.00	6,840.00	12,133.53	7,003.86	259.19	144.88	-109.68	-2,193.51	-10,431.10	659.44	280.13	379.31	1.739		
15,700.00	6,840.00	12,226.96	7,004.23	261.87	147.39	-109.84	-2,188.57	-10,524.39	655.07	270.80	384.26	1.705		
15,800.00	6,840.00	12,316.77	7,004.83	264.55	149.80	-109.98	-2,185.32	-10,614.15	652.34	263.00	389.33	1.676		
15,900.00	6,840.00	12,414.75	7,005.16	267.23	152.43	-110.06	-2,182.88	-10,712.10	650.57	256.30	394.27	1.650		
16,000.00	6,840.00	12,517.33	7,005.55	269.91	155.19	-110.17	-2,180.03	-10,814.64	648.55	249.50	399.05	1.625		
16,100.00	6,840.00	12,615.95	7,006.04	272.59	157.84	-110.28	-2,177.08	-10,913.21	646.37	242.48	403.89	1.600		
16,200.00	6,840.00	12,709.52	7,006.28	275.28	160.36	-110.36	-2,174.98	-11,006.76	644.81	235.88	408.93	1.577		
16,262.84	6,840.00	12,766.08	7,006.66	276.96	161.88	-110.40	-2,174.23	-11,063.31	644.46	232.36	412.10	1.564		
16,300.00	6,840.00	12,797.66	7,006.87	277.96	162.72	-110.42	-2,174.14	-11,094.89	644.63	230.63	414.00	1.557		
16,400.00	6,840.00	12,881.60	7,007.24	280.64	164.97	-110.39	-2,175.44	-11,178.81	646.69	227.59	419.09	1.543		
16,500.00	6,840.00	12,965.00	7,007.89	283.33	167.20	-110.33	-2,178.96	-11,262.14	651.37	227.34	424.03	1.536		
16,600.00	6,840.00	13,053.47	7,008.35	286.02	169.56	-110.17	-2,184.89	-11,350.40	658.27	229.16	429.11	1.534		
16,700.00	6,840.00	13,152.12	7,008.72	288.70	172.18	-109.97	-2,192.25	-11,448.77	665.86	231.23	434.64	1.532		
16,800.00	6,840.00	13,247.99	7,009.46	291.39	174.73	-109.79	-2,199.95	-11,544.34	674.12	234.14	439.99	1.532		
16,900.00	6,840.00	13,360.61	7,010.17	294.08	177.73	-109.60	-2,208.15	-11,656.66	681.67	235.65	446.02	1.528		
17,000.00	6,840.00	13,487.50	7,011.13	296.77	181.12	-109.51	-2,213.51	-11,783.42	686.42	234.58	451.84	1.519		
17,100.00	6,840.00	13,610.15	7,012.03	299.46	184.42	-109.56	-2,213.58	-11,906.06	687.16	230.45	456.71	1.505		
17,145.11	6,840.00	13,649.93	7,012.42	300.67	185.50	-109.60	-2,213.15	-11,945.83	687.04	228.05	458.99	1.497 Level 3		
17,200.00	6,840.00	13,700.65	7,012.97	302.14	186.86	-109.64	-2,212.88	-11,996.55	687.21	225.50	461.72	1.488 Level 3		
17,300.00	6,840.00	13,801.18	7,013.53	304.84	189.57	-109.67	-2,212.71	-12,097.08	687.70	220.97	466.73	1.473 Level 3		
17,400.00	6,840.00	13,891.46	7,013.96	307.53	192.00	-109.68	-2,213.31	-12,187.35	688.94	217.10	471.85	1.460 Level 3		
17,500.00	6,840.00	13,986.17	7,014.62	310.22	194.55	-109.67	-2,214.95	-12,282.04	691.26	214.32	476.94	1.449 Level 3		
17,600.00	6,840.00	14,082.10	7,015.24	312.91	197.13	-109.64	-2,217.34	-12,377.94	694.29	212.19	482.09	1.440 Level 3		
17,700.00	6,840.00	14,186.55	7,015.97	315.60	199.94	-109.61	-2,219.88	-12,482.36	697.26	209.94	487.32	1.431 Level 3		
17,800.00	6,840.00	14,289.97	7,016.50	318.29	202.72	-109.59	-2,221.63	-12,585.76	699.49	206.97	492.51	1.420 Level 3		
17,900.00	6,840.00	14,386.26	7,017.03	320.99	205.32	-109.57	-2,223.49	-12,682.03	701.95	204.28	497.67	1.410 Level 3		
18,000.00	6,840.00	14,488.73	7,017.30	323.68	208.08	-109.51	-2,225.75	-12,784.47	704.58	201.63	502.95	1.401 Level 3		
18,100.00	6,840.00	14,589.31	7,017.52	326.38	210.79	-109.48	-2,227.28	-12,885.04	706.53	198.35	508.18	1.390 Level 3		
18,200.00	6,840.00	14,686.00	7,018.77	329.07	213.39	-109.51	-2,229.13	-12,981.71	709.22	196.05	513.18	1.382 Level 3		
18,300.00	6,840.00	14,798.86	7,019.42	331.77	216.44	-109.50	-2,230.78	-13,094.56	711.28	192.92	518.37	1.372 Level 3		
18,400.00	6,840.00	14,924.72	7,019.41	334.46	219.84	-109.53	-2,229.02	-13,220.39	710.44	187.47	522.97	1.358 Level 3		
18,500.00	6,840.00	15,062.51	7,019.47	337.16	223.56	-109.76	-2,220.14	-13,357.88	704.77	179.24	525.53	1.341 Level 3		
18,600.00	6,840.00	15,163.17	7,019.32	339.85	226.28	-110.01	-2,210.13	-13,458.04	695.82	166.02	529.80	1.313 Level 3		
18,700.00	6,840.00	15,251.74	7,019.46	342.55	228.68	-110.22	-2,202.91	-13,546.31	688.64	153.63	535.01	1.287 Level 3		
18,800.00	6,840.00	15,346.04	7,019.73	345.25	231.23	-110.43	-2,195.98	-13,640.36	682.30	142.53	539.77	1.264 Level 3		
18,900.00	6,840.00	15,435.71	7,019.95	347.94	233.66	-110.59	-2,190.53	-13,729.85	677.16	132.31	544.85	1.243 Level 2		
19,000.00	6,840.00	15,521.84	7,020.26	350.64	235.99	-110.71	-2,186.89	-13,815.91	673.79	123.74	550.05	1.225 Level 2		
19,100.00	6,840.00	15,608.75	7,020.34	353.34	238.35	-110.75	-2,185.43	-13,902.80	672.68	117.39	555.29	1.211 Level 2		
19,182.80	6,840.00	15,691.08	7,020.62	355.57	240.57	-110.79	-2,184.66	-13,985.12	672.43	113.03	559.40	1.202 Level 2		
19,200.00	6,840.00	15,705.30	7,020.70	356.04	240.96	-110.79	-2,184.58	-13,999.35	672.45	112.16	560.29	1.200 Level 2		
19,300.00	6,840.00	15,795.73	7,021.22	358.74	243.40	-110.81	-2,184.92	-14,089.77	673.45	108.11	565.34	1.191 Level 2		
19,400.00	6,840.00	15,893.20	7,021.87	361.44	246.03	-110.81	-2,186.03	-14,187.23	675.21	104.80	570.41	1.184 Level 2		
19,500.00	6,840.00	15,991.41	7,022.51	364.13	248.69	-110.80	-2,187.68	-14,285.44	677.45	101.93	575.53	1.177 Level 2		
19,600.00	6,840.00	16,105.19	7,023.09	366.83	251.76	-110.80	-2,188.78	-14,399.20	679.04	98.41	580.63	1.169 Level 2		
19,700.00	6,840.00	16,210.32	7,023.52	369.53	254.61	-110.86	-2,187.22	-14,504.32	678.23	92.79	585.44	1.158 Level 2		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST HZ CENTENNIAL STATE G34-689 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 82-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
19,800.00	6,840.00	16,307.19	7,024.24	372.23	257.23	-110.93	-2,186.34	-14,601.18	678.08	87.76	590.32	1.149	Level 2
19,854.60	6,840.00	16,361.18	7,024.63	373.71	258.69	-110.97	-2,185.87	-14,655.17	678.03	85.05	592.98	1.143	Level 2
19,900.00	6,840.00	16,404.22	7,024.91	374.94	259.86	-110.99	-2,185.63	-14,698.20	678.11	82.88	595.22	1.139	Level 2
20,000.00	6,840.00	16,496.26	7,025.47	377.64	262.34	-111.02	-2,185.81	-14,790.25	678.97	78.74	600.23	1.131	Level 2
20,100.00	6,840.00	16,590.31	7,026.09	380.34	264.89	-111.01	-2,187.20	-14,884.28	681.03	75.73	605.30	1.125	Level 2
20,200.00	6,840.00	16,686.44	7,026.76	383.04	267.48	-110.99	-2,189.22	-14,980.39	683.70	73.28	610.42	1.120	Level 2, ES, SF
20,300.00	6,840.00	16,730.00	7,027.00	385.74	268.66	-110.97	-2,190.34	-15,023.93	689.01	76.37	612.63	1.125	Level 2
20,400.00	6,840.00	16,730.00	7,027.00	388.44	268.66	-110.97	-2,190.34	-15,023.93	707.15	104.14	603.01	1.173	Level 2
20,500.00	6,840.00	16,730.00	7,027.00	391.14	268.66	-110.97	-2,190.34	-15,023.93	738.51	155.11	583.39	1.266	Level 3
20,552.28	6,840.00	16,730.00	7,027.00	392.56	268.66	-110.97	-2,190.34	-15,023.93	759.64	189.38	570.26	1.332	Level 3

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT ARENS G 26-19 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-79.02	1,730.59	-8,919.55	9,086.81					
100.00	100.00	0.00	0.00	0.13	0.00	-79.02	1,730.59	-8,919.55	9,085.93	9,085.80	0.13	N/A		
130.00	130.00	0.00	0.00	0.24	0.00	-79.02	1,730.59	-8,919.55	9,085.88	9,085.64	0.24	N/A		
200.00	200.00	31.47	31.47	0.49	0.03	-79.02	1,730.63	-8,919.60	9,086.03	9,085.51	0.52	N/A		
300.00	300.00	76.42	76.42	0.85	0.08	-79.02	1,730.85	-8,919.90	9,086.76	9,085.83	0.92	9,827.226		
400.00	399.98	149.64	149.63	1.20	0.16	49.04	1,731.39	-8,920.75	9,086.87	9,085.51	1.36	6,690.760		
500.00	499.84	267.16	267.14	1.55	0.29	49.10	1,731.64	-8,922.21	9,084.70	9,082.87	1.83	4,967.471		
600.00	599.45	418.59	418.56	1.91	0.40	49.24	1,731.68	-8,923.54	9,079.87	9,077.57	2.30	3,948.906		
700.00	698.70	506.09	506.06	2.29	0.45	49.40	1,731.26	-8,924.22	9,072.56	9,069.84	2.72	3,332.379		
800.00	797.47	598.49	598.45	2.70	0.50	49.61	1,730.55	-8,925.05	9,063.06	9,059.89	3.16	2,865.411		
900.00	895.62	675.56	675.52	3.14	0.54	49.85	1,729.89	-8,925.87	9,051.47	9,047.86	3.61	2,505.401		
1,000.00	993.06	815.06	815.00	3.62	0.60	50.21	1,728.58	-8,927.33	9,037.68	9,033.56	4.11	2,197.799		
1,100.00	1,089.64	875.19	875.13	4.14	0.63	50.54	1,727.99	-8,927.95	9,021.62	9,017.02	4.60	1,960.928		
1,200.00	1,185.27	971.37	971.30	4.70	0.67	50.95	1,727.08	-8,929.11	9,003.62	8,998.49	5.14	1,753.307		
1,300.00	1,279.82	1,067.84	1,067.76	5.31	0.72	51.43	1,726.10	-8,930.20	8,983.44	8,977.74	5.70	1,575.368		
1,400.00	1,373.17	1,167.70	1,167.61	5.98	0.76	51.96	1,725.09	-8,931.33	8,961.20	8,954.90	6.31	1,421.031		
1,500.00	1,465.22	1,270.46	1,270.35	6.70	0.80	52.52	1,724.03	-8,932.38	8,936.86	8,929.91	6.95	1,285.878		
1,600.00	1,556.72	1,351.74	1,351.62	7.45	0.84	52.69	1,723.36	-8,933.14	8,911.75	8,904.15	7.61	1,171.510		
1,700.00	1,648.21	1,438.59	1,438.47	8.21	0.87	52.87	1,722.81	-8,934.08	8,886.91	8,878.63	8.28	1,073.310		
1,800.00	1,739.71	1,527.65	1,527.52	8.99	0.91	53.05	1,722.22	-8,934.98	8,862.09	8,853.13	8.96	988.610		
1,900.00	1,831.20	1,587.55	1,587.42	9.77	0.93	53.18	1,722.04	-8,935.70	8,837.63	8,827.99	9.65	915.916		
2,000.00	1,922.69	1,684.69	1,684.55	10.56	0.97	53.39	1,721.90	-8,937.02	8,813.46	8,803.11	10.35	851.165		
2,100.00	2,014.19	1,769.10	1,768.95	11.35	1.00	53.57	1,721.62	-8,938.17	8,789.35	8,778.29	11.06	794.455		
2,200.00	2,105.68	1,862.50	1,862.35	12.14	1.04	53.77	1,721.35	-8,939.51	8,765.43	8,753.65	11.78	744.083		
2,300.00	2,197.18	1,934.71	1,934.54	12.94	1.06	53.92	1,720.98	-8,940.59	8,741.63	8,729.14	12.50	699.543		
2,400.00	2,288.67	2,000.00	1,999.82	13.74	1.09	54.06	1,720.47	-8,941.90	8,718.31	8,705.09	13.22	659.722		
2,500.00	2,380.17	2,045.36	2,045.16	14.54	1.11	54.16	1,720.06	-8,943.03	8,695.46	8,681.53	13.93	624.046		
2,600.00	2,471.66	2,101.39	2,101.17	15.35	1.13	54.28	1,719.57	-8,944.64	8,673.13	8,658.47	14.66	591.630		
2,700.00	2,563.16	2,192.64	2,192.36	16.15	1.16	54.47	1,718.58	-8,947.51	8,651.10	8,635.71	15.40	561.858		
2,800.00	2,654.65	2,360.10	2,359.76	16.96	1.23	54.83	1,716.92	-8,951.90	8,628.69	8,612.54	16.15	534.150		
2,900.00	2,746.15	2,454.40	2,454.04	17.76	1.26	55.04	1,716.88	-8,953.71	8,606.03	8,589.13	16.90	509.227		
3,000.00	2,837.64	2,532.71	2,532.33	18.57	1.29	55.21	1,716.88	-8,955.30	8,583.59	8,565.94	17.65	486.405		
3,100.00	2,929.14	2,606.63	2,606.23	19.38	1.31	55.38	1,716.86	-8,956.95	8,561.44	8,543.05	18.40	465.394		
3,200.00	3,020.63	2,677.95	2,677.53	20.19	1.34	55.54	1,716.94	-8,958.68	8,539.63	8,520.48	19.15	445.978		
3,300.00	3,112.13	2,770.50	2,770.06	21.00	1.37	55.75	1,717.24	-8,961.03	8,518.08	8,498.17	19.91	427.871		
3,400.00	3,203.62	2,880.17	2,879.69	21.81	1.41	56.00	1,717.54	-8,963.68	8,496.53	8,475.86	20.67	410.969		
3,500.00	3,295.12	3,533.37	3,532.56	22.63	1.52	57.49	1,708.79	-8,958.82	8,471.56	8,450.20	21.36	396.531		
3,600.00	3,386.61	3,581.22	3,580.36	23.44	1.52	57.59	1,706.96	-8,957.32	8,444.32	8,422.21	22.11	381.947		
3,700.00	3,478.10	3,667.46	3,666.50	24.25	1.53	57.78	1,703.75	-8,954.93	8,417.52	8,394.68	22.85	368.452		
3,800.00	3,569.60	3,773.43	3,772.37	25.06	1.54	58.03	1,700.94	-8,951.48	8,390.70	8,367.12	23.58	355.830		
3,900.00	3,661.09	3,855.22	3,854.09	25.88	1.55	58.22	1,698.83	-8,948.74	8,363.95	8,339.62	24.33	343.826		
4,000.00	3,752.59	3,922.20	3,921.00	26.69	1.55	58.37	1,696.36	-8,946.87	8,337.50	8,312.42	25.08	332.446		
4,100.00	3,844.08	3,978.04	3,976.77	27.50	1.56	58.49	1,693.73	-8,945.72	8,311.52	8,285.68	25.84	321.659		
4,200.00	3,935.58	4,307.15	4,305.18	28.32	1.61	59.22	1,676.61	-8,934.01	8,283.32	8,256.80	26.52	312.396		
4,300.00	4,027.07	4,389.88	4,387.73	29.13	1.62	59.41	1,672.89	-8,930.00	8,255.17	8,227.90	27.27	302.697		
4,400.00	4,118.57	4,500.01	4,497.65	29.95	1.63	59.68	1,669.67	-8,924.04	8,227.10	8,199.08	28.02	293.580		
4,500.00	4,210.06	4,556.70	4,554.24	30.76	1.64	59.83	1,668.45	-8,920.87	8,199.23	8,170.43	28.80	284.720		
4,600.00	4,301.56	4,614.82	4,612.26	31.58	1.64	59.97	1,666.69	-8,918.04	8,171.85	8,142.27	29.57	276.319		
4,700.00	4,393.05	4,675.75	4,673.10	32.39	1.65	60.12	1,664.82	-8,915.32	8,144.93	8,114.58	30.35	268.340		
4,800.00	4,484.55	4,729.91	4,727.20	33.21	1.66	60.25	1,663.32	-8,913.06	8,118.51	8,087.37	31.14	260.726		
4,900.00	4,576.04	4,779.62	4,776.86	34.02	1.66	60.38	1,662.16	-8,911.18	8,092.66	8,060.74	31.93	253.466		
5,000.00	4,667.54	4,848.31	4,845.49	34.84	1.67	60.55	1,660.85	-8,908.81	8,067.35	8,034.64	32.72	246.592		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT ARENS G 26-19 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,759.03	4,928.57	4,925.69	35.65	1.68	60.76	1,659.51	-8,906.08	8,042.32	8,008.81	33.50	240.050		
5,200.00	4,850.53	5,010.10	5,007.17	36.47	1.69	60.97	1,658.35	-8,903.37	8,017.56	7,983.26	34.29	233.794		
5,300.00	4,942.02	5,117.64	5,114.63	37.28	1.70	61.25	1,656.91	-8,899.60	7,992.81	7,957.73	35.08	227.849		
5,400.00	5,033.51	5,179.05	5,176.00	38.10	1.70	61.41	1,656.19	-8,897.51	7,968.35	7,932.46	35.88	222.063		
5,500.00	5,125.01	5,253.29	5,250.21	38.92	1.71	61.60	1,655.42	-8,895.20	7,944.32	7,907.64	36.69	216.545		
5,600.00	5,216.50	5,334.48	5,331.35	39.73	1.72	61.82	1,654.54	-8,892.79	7,920.57	7,883.08	37.49	211.265		
5,700.00	5,308.00	5,416.61	5,413.45	40.55	1.73	62.04	1,653.46	-8,890.54	7,897.08	7,858.78	38.30	206.200		
5,800.00	5,399.49	5,500.56	5,497.36	41.36	1.74	62.26	1,652.24	-8,888.37	7,873.83	7,834.72	39.11	201.337		
5,900.00	5,490.99	5,575.07	5,571.84	42.18	1.75	62.45	1,650.98	-8,886.63	7,850.86	7,810.94	39.92	196.651		
6,000.00	5,582.48	5,646.08	5,642.82	43.00	1.77	62.64	1,649.59	-8,885.22	7,828.25	7,787.51	40.74	192.144		
6,100.00	5,673.98	5,700.00	5,696.72	43.81	1.78	62.78	1,648.56	-8,884.29	7,806.06	7,764.49	41.57	187.788		
6,200.00	5,765.47	5,769.39	5,766.10	44.63	1.79	62.96	1,647.27	-8,883.36	7,784.34	7,741.95	42.39	183.623		
6,300.00	5,856.97	5,846.27	5,842.96	45.45	1.81	63.16	1,645.87	-8,882.69	7,763.15	7,719.93	43.22	179.628		
6,400.00	5,948.46	5,949.01	5,945.69	46.26	1.84	63.44	1,644.21	-8,881.65	7,742.07	7,698.03	44.04	175.803		
6,500.00	6,039.96	6,048.95	6,045.60	47.08	1.86	63.70	1,642.44	-8,880.54	7,721.00	7,676.13	44.86	172.105		
6,600.00	6,131.45	6,133.94	6,130.58	47.90	1.88	63.93	1,641.15	-8,879.47	7,700.06	7,654.36	45.69	168.514		
6,700.00	6,222.95	6,207.77	6,204.39	48.71	1.89	64.13	1,640.09	-8,878.67	7,679.44	7,632.91	46.53	165.036		
6,800.00	6,314.44	6,276.41	6,273.03	49.53	1.91	64.31	1,639.12	-8,878.12	7,659.23	7,611.86	47.37	161.677		
6,900.00	6,405.93	6,366.14	6,362.74	50.35	1.93	64.56	1,637.88	-8,877.60	7,639.37	7,591.16	48.21	158.456		
7,000.00	6,497.01	6,465.75	6,462.34	51.18	1.96	60.16	1,636.44	-8,876.94	7,618.43	7,569.37	49.06	155.291		
7,100.00	6,582.62	6,538.67	6,535.25	52.20	1.98	53.23	1,635.44	-8,876.41	7,585.33	7,535.30	50.02	151.642		
7,200.00	6,659.25	6,600.00	6,596.57	53.42	1.99	50.96	1,634.61	-8,876.17	7,538.36	7,487.27	51.09	147.553		
7,300.00	6,724.59	6,668.34	6,664.91	54.84	2.01	52.11	1,633.67	-8,875.97	7,478.85	7,426.63	52.22	143.210		
7,400.00	6,776.64	6,728.58	6,725.14	56.40	2.03	56.51	1,632.83	-8,875.70	7,408.50	7,355.11	53.39	138.761		
7,500.00	6,813.82	6,769.54	6,766.10	58.08	2.04	64.73	1,632.22	-8,875.50	7,329.53	7,274.98	54.56	134.349		
7,600.00	6,835.01	6,792.61	6,789.16	59.82	2.05	77.85	1,631.87	-8,875.38	7,244.38	7,188.70	55.68	130.110		
7,700.00	6,840.00	6,797.58	6,794.14	61.57	2.05	91.50	1,631.79	-8,875.35	7,155.65	7,098.92	56.73	126.142		
7,800.00	6,840.00	6,797.00	6,793.55	63.35	2.05	91.49	1,631.80	-8,875.36	7,066.44	7,008.67	57.77	122.315		
7,900.00	6,840.00	6,796.41	6,792.96	65.20	2.05	91.48	1,631.81	-8,875.36	6,977.53	6,918.67	58.86	118.547		
8,000.00	6,840.00	6,795.83	6,792.38	67.10	2.05	91.47	1,631.82	-8,875.36	6,888.92	6,828.93	59.99	114.839		
8,100.00	6,840.00	6,795.24	6,791.80	69.05	2.05	91.46	1,631.83	-8,875.37	6,800.63	6,739.47	61.16	111.196		
8,200.00	6,840.00	6,794.66	6,791.21	71.06	2.05	91.45	1,631.83	-8,875.37	6,712.66	6,650.29	62.37	107.619		
8,300.00	6,840.00	6,794.08	6,790.63	73.11	2.05	91.44	1,631.84	-8,875.37	6,625.04	6,561.41	63.63	104.111		
8,400.00	6,840.00	6,793.50	6,790.05	75.21	2.05	91.43	1,631.85	-8,875.37	6,537.77	6,472.83	64.94	100.672		
8,500.00	6,840.00	6,792.92	6,789.47	77.34	2.05	91.42	1,631.86	-8,875.38	6,450.88	6,384.58	66.30	97.305		
8,600.00	6,840.00	6,792.34	6,788.89	79.51	2.05	91.41	1,631.87	-8,875.38	6,364.36	6,296.66	67.70	94.011		
8,700.00	6,840.00	6,791.76	6,788.31	81.72	2.05	91.40	1,631.88	-8,875.38	6,278.25	6,209.10	69.15	90.791		
8,800.00	6,840.00	6,791.18	6,787.73	83.95	2.05	91.39	1,631.89	-8,875.39	6,192.56	6,121.90	70.65	87.647		
8,900.00	6,840.00	6,790.60	6,787.16	86.22	2.05	91.38	1,631.90	-8,875.39	6,107.30	6,035.09	72.21	84.578		
9,000.00	6,840.00	6,790.03	6,786.58	88.51	2.05	91.37	1,631.91	-8,875.39	6,022.49	5,948.67	73.82	81.586		
9,100.00	6,840.00	6,789.45	6,786.01	90.83	2.05	91.36	1,631.92	-8,875.40	5,938.15	5,862.67	75.48	78.670		
9,200.00	6,840.00	6,788.88	6,785.43	93.16	2.05	91.35	1,631.92	-8,875.40	5,854.31	5,777.11	77.20	75.832		
9,300.00	6,840.00	6,788.30	6,784.86	95.52	2.05	91.33	1,631.93	-8,875.40	5,770.99	5,692.01	78.98	73.071		
9,400.00	6,840.00	6,787.73	6,784.28	97.90	2.05	91.32	1,631.94	-8,875.40	5,688.20	5,607.38	80.81	70.386		
9,500.00	6,840.00	6,787.16	6,783.71	100.30	2.05	91.31	1,631.95	-8,875.41	5,605.97	5,523.26	82.71	67.779		
9,600.00	6,840.00	6,786.59	6,783.14	102.72	2.05	91.30	1,631.96	-8,875.41	5,524.33	5,439.66	84.67	65.248		
9,700.00	6,840.00	6,786.02	6,782.57	105.15	2.05	91.29	1,631.97	-8,875.41	5,443.30	5,356.61	86.69	62.793		
9,800.00	6,840.00	6,785.45	6,782.00	107.59	2.05	91.28	1,631.98	-8,875.42	5,362.91	5,274.14	88.77	60.413		
9,900.00	6,840.00	6,784.88	6,781.43	110.05	2.05	91.27	1,631.99	-8,875.42	5,283.19	5,192.27	90.92	58.108		
10,000.00	6,840.00	6,784.31	6,780.86	112.52	2.05	91.26	1,632.00	-8,875.42	5,204.18	5,111.04	93.14	55.877		
10,100.00	6,840.00	6,783.74	6,780.29	115.00	2.05	91.25	1,632.00	-8,875.42	5,125.89	5,030.47	95.42	53.719		
10,200.00	6,840.00	6,783.17	6,779.73	117.50	2.05	91.24	1,632.01	-8,875.43	5,048.37	4,950.60	97.77	51.633		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT ARENS G 26-19 GYRO - OWB - GYRO													Offset Site Error: 0.00 usft	
Survey Program: 100-GYD_CT													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	6,782.61	6,779.16	120.00	2.05	91.23	1,632.02	-8,875.43	4,971.66	4,871.46	100.20	49.619		
10,400.00	6,840.00	6,782.04	6,778.60	122.51	2.05	91.22	1,632.03	-8,875.43	4,895.78	4,793.09	102.69	47.675		
10,500.00	6,840.00	6,781.48	6,778.03	125.04	2.04	91.21	1,632.04	-8,875.44	4,820.78	4,715.53	105.26	45.800		
10,600.00	6,840.00	6,780.91	6,777.47	127.57	2.04	91.20	1,632.05	-8,875.44	4,746.71	4,638.82	107.89	43.994		
10,700.00	6,840.00	6,780.35	6,776.91	130.11	2.04	91.19	1,632.06	-8,875.44	4,673.60	4,563.00	110.61	42.254		
10,800.00	6,840.00	6,779.79	6,776.34	132.66	2.04	91.18	1,632.06	-8,875.44	4,601.51	4,488.12	113.39	40.581		
10,900.00	6,840.00	6,779.23	6,775.78	135.21	2.04	91.17	1,632.07	-8,875.45	4,530.47	4,414.22	116.25	38.972		
11,000.00	6,840.00	6,778.67	6,775.22	137.77	2.04	91.16	1,632.08	-8,875.45	4,460.55	4,341.36	119.18	37.426		
11,100.00	6,840.00	6,778.11	6,774.66	140.34	2.04	91.15	1,632.09	-8,875.45	4,391.78	4,269.60	122.19	35.943		
11,200.00	6,840.00	6,777.55	6,774.10	142.91	2.04	91.14	1,632.10	-8,875.46	4,324.24	4,198.98	125.26	34.521		
11,300.00	6,840.00	6,776.99	6,773.54	145.49	2.04	91.13	1,632.11	-8,875.46	4,257.98	4,129.57	128.41	33.159		
11,400.00	6,840.00	6,776.43	6,772.99	148.07	2.04	91.12	1,632.12	-8,875.46	4,193.05	4,061.42	131.63	31.855		
11,500.00	6,840.00	6,775.88	6,772.43	150.66	2.04	91.11	1,632.12	-8,875.46	4,129.52	3,994.61	134.91	30.609		
11,600.00	6,840.00	6,775.32	6,771.87	153.25	2.04	91.10	1,632.13	-8,875.47	4,067.46	3,929.20	138.26	29.419		
11,700.00	6,840.00	6,774.76	6,771.32	155.85	2.04	91.09	1,632.14	-8,875.47	4,006.94	3,865.27	141.67	28.284		
11,800.00	6,840.00	6,774.21	6,770.76	158.45	2.04	91.08	1,632.15	-8,875.47	3,948.02	3,802.89	145.13	27.203		
11,900.00	6,840.00	6,773.66	6,770.21	161.06	2.04	91.07	1,632.16	-8,875.48	3,890.78	3,742.13	148.65	26.174		
12,000.00	6,840.00	6,773.10	6,769.66	163.67	2.04	91.06	1,632.17	-8,875.48	3,835.29	3,683.08	152.21	25.197		
12,100.00	6,840.00	6,772.55	6,769.11	166.28	2.04	91.05	1,632.18	-8,875.48	3,781.63	3,625.81	155.82	24.270		
12,200.00	6,840.00	6,772.00	6,768.55	168.90	2.04	91.04	1,632.18	-8,875.48	3,729.88	3,570.43	159.45	23.392		
12,300.00	6,840.00	6,771.45	6,768.00	171.52	2.04	91.03	1,632.19	-8,875.49	3,680.12	3,517.01	163.11	22.562		
12,400.00	6,840.00	6,770.90	6,767.45	174.15	2.04	91.02	1,632.20	-8,875.49	3,632.44	3,465.65	166.79	21.778		
12,500.00	6,840.00	6,770.35	6,766.90	176.77	2.04	91.01	1,632.21	-8,875.49	3,586.91	3,416.43	170.47	21.041		
12,600.00	6,840.00	6,769.80	6,766.36	179.40	2.04	91.00	1,632.22	-8,875.50	3,543.61	3,369.46	174.15	20.348		
12,700.00	6,840.00	6,769.25	6,765.81	182.04	2.04	91.00	1,632.23	-8,875.50	3,502.64	3,324.83	177.81	19.698		
12,800.00	6,840.00	6,768.71	6,765.26	184.67	2.04	90.99	1,632.23	-8,875.50	3,464.07	3,282.62	181.45	19.091		
12,900.00	6,840.00	6,768.16	6,764.71	187.31	2.04	90.98	1,632.24	-8,875.50	3,427.98	3,242.94	185.04	18.526		
13,000.00	6,840.00	6,767.61	6,764.17	189.95	2.04	90.97	1,632.25	-8,875.51	3,394.46	3,205.89	188.57	18.001		
13,100.00	6,840.00	6,767.07	6,763.62	192.59	2.04	90.96	1,632.26	-8,875.51	3,363.57	3,171.54	192.04	17.515		
13,200.00	6,840.00	6,766.52	6,763.08	195.24	2.04	90.95	1,632.27	-8,875.51	3,335.40	3,139.99	195.42	17.068		
13,300.00	6,840.00	6,765.98	6,762.54	197.88	2.04	90.94	1,632.28	-8,875.51	3,310.02	3,111.32	198.70	16.659		
13,400.00	6,840.00	6,765.44	6,761.99	200.53	2.04	90.93	1,632.28	-8,875.52	3,287.48	3,085.61	201.86	16.286		
13,500.00	6,840.00	6,764.90	6,761.45	203.18	2.04	90.92	1,632.29	-8,875.52	3,267.84	3,062.94	204.90	15.949		
13,600.00	6,840.00	6,764.36	6,760.91	205.83	2.04	90.91	1,632.30	-8,875.52	3,251.16	3,043.37	207.79	15.646		
13,700.00	6,840.00	6,763.81	6,760.37	208.49	2.04	90.90	1,632.31	-8,875.53	3,237.49	3,026.96	210.53	15.378		
13,800.00	6,840.00	6,763.28	6,759.83	211.14	2.04	90.89	1,632.32	-8,875.53	3,226.86	3,013.76	213.10	15.143		
13,900.00	6,840.00	6,762.74	6,759.29	213.80	2.04	90.88	1,632.32	-8,875.53	3,219.30	3,003.82	215.49	14.940		
14,000.00	6,840.00	6,762.20	6,758.75	216.46	2.04	90.87	1,632.33	-8,875.53	3,214.84	2,997.15	217.69	14.768		
14,093.59	6,840.00	6,761.69	6,758.25	218.95	2.04	90.86	1,632.34	-8,875.54	3,213.48	2,993.91	219.57	14.636 CC		
14,100.00	6,840.00	6,761.66	6,758.22	219.12	2.04	90.86	1,632.34	-8,875.54	3,213.48	2,993.79	219.69	14.627		
14,200.00	6,840.00	6,761.12	6,757.68	221.78	2.04	90.85	1,632.35	-8,875.54	3,215.24	2,993.75	221.49	14.517 ES		
14,300.00	6,840.00	6,760.59	6,757.14	224.45	2.04	90.84	1,632.36	-8,875.54	3,220.10	2,997.02	223.08	14.435		
14,400.00	6,840.00	6,760.05	6,756.61	227.11	2.04	90.83	1,632.36	-8,875.54	3,228.05	3,003.60	224.46	14.382		
14,500.00	6,840.00	6,759.52	6,756.07	229.78	2.04	90.82	1,632.37	-8,875.55	3,239.07	3,013.45	225.62	14.356 SF		
14,600.00	6,840.00	6,758.98	6,755.54	232.45	2.04	90.81	1,632.38	-8,875.55	3,253.13	3,026.56	226.57	14.358		
14,700.00	6,840.00	6,758.45	6,755.01	235.12	2.04	90.80	1,632.39	-8,875.55	3,270.19	3,042.87	227.32	14.386		
14,800.00	6,840.00	6,757.92	6,754.47	237.79	2.04	90.79	1,632.40	-8,875.56	3,290.20	3,062.34	227.86	14.440		
14,900.00	6,840.00	6,757.39	6,753.94	240.46	2.04	90.78	1,632.40	-8,875.56	3,313.11	3,084.91	228.20	14.518		
15,000.00	6,840.00	6,756.85	6,753.41	243.13	2.04	90.77	1,632.41	-8,875.56	3,338.86	3,110.51	228.35	14.622		
15,100.00	6,840.00	6,756.32	6,752.88	245.80	2.04	90.76	1,632.42	-8,875.56	3,367.38	3,139.07	228.32	14.749		
15,200.00	6,840.00	6,755.79	6,752.35	248.48	2.04	90.76	1,632.43	-8,875.57	3,398.61	3,170.50	228.11	14.899		
15,300.00	6,840.00	6,755.26	6,751.82	251.15	2.04	90.75	1,632.44	-8,875.57	3,432.47	3,204.73	227.74	15.072		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT ARENS G 26-19 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,400.00	6,840.00	6,754.74	6,751.29	253.83	2.04	90.74	1,632.44	-8,875.57	3,468.88	3,241.66	227.22	15.267		
15,500.00	6,840.00	6,754.21	6,750.77	256.51	2.04	90.73	1,632.45	-8,875.57	3,507.76	3,281.21	226.55	15.483		
15,600.00	6,840.00	6,753.68	6,750.24	259.19	2.04	90.72	1,632.46	-8,875.58	3,549.04	3,323.28	225.75	15.721		
15,700.00	6,840.00	6,753.16	6,749.71	261.87	2.04	90.71	1,632.47	-8,875.58	3,592.62	3,367.79	224.83	15.979		
15,800.00	6,840.00	6,752.63	6,749.19	264.55	2.04	90.70	1,632.48	-8,875.58	3,638.43	3,414.63	223.80	16.257		
15,900.00	6,840.00	6,752.10	6,748.66	267.23	2.04	90.69	1,632.48	-8,875.58	3,686.39	3,463.71	222.68	16.555		
16,000.00	6,840.00	6,751.58	6,748.14	269.91	2.04	90.68	1,632.49	-8,875.59	3,736.41	3,514.94	221.47	16.871		
16,100.00	6,840.00	6,751.06	6,747.62	272.59	2.04	90.67	1,632.50	-8,875.59	3,788.41	3,568.23	220.17	17.206		
16,200.00	6,840.00	6,750.53	6,747.09	275.28	2.04	90.66	1,632.51	-8,875.59	3,842.30	3,623.49	218.82	17.560		
16,300.00	6,840.00	6,750.01	6,746.57	277.96	2.04	90.65	1,632.51	-8,875.59	3,898.02	3,680.62	217.40	17.930		
16,400.00	6,840.00	6,749.49	6,746.05	280.64	2.04	90.64	1,632.52	-8,875.60	3,955.48	3,739.55	215.93	18.318		
16,500.00	6,840.00	6,748.97	6,745.53	283.33	2.04	90.63	1,632.53	-8,875.60	4,014.61	3,800.19	214.42	18.723		
16,600.00	6,840.00	6,748.45	6,745.01	286.02	2.04	90.62	1,632.54	-8,875.60	4,075.34	3,862.46	212.88	19.144		
16,700.00	6,840.00	6,747.93	6,744.49	288.70	2.04	90.61	1,632.55	-8,875.60	4,137.59	3,926.29	211.30	19.581		
16,800.00	6,840.00	6,747.41	6,743.97	291.39	2.04	90.61	1,632.55	-8,875.61	4,201.30	3,991.59	209.71	20.034		
16,900.00	6,840.00	6,746.89	6,743.45	294.08	2.04	90.60	1,632.56	-8,875.61	4,266.40	4,058.30	208.10	20.502		
17,000.00	6,840.00	6,746.38	6,742.94	296.77	2.04	90.59	1,632.57	-8,875.61	4,332.83	4,126.36	206.48	20.985		
17,100.00	6,840.00	6,745.86	6,742.42	299.46	2.04	90.58	1,632.58	-8,875.61	4,400.53	4,195.68	204.85	21.482		
17,200.00	6,840.00	6,745.34	6,741.90	302.14	2.04	90.57	1,632.58	-8,875.62	4,469.45	4,266.23	203.22	21.993		
17,300.00	6,840.00	6,744.83	6,741.39	304.84	2.03	90.56	1,632.59	-8,875.62	4,539.52	4,337.93	201.59	22.518		
17,400.00	6,840.00	6,744.31	6,740.87	307.53	2.03	90.55	1,632.60	-8,875.62	4,610.69	4,410.72	199.97	23.057		
17,500.00	6,840.00	6,743.80	6,740.36	310.22	2.03	90.54	1,632.61	-8,875.62	4,682.92	4,484.56	198.36	23.608		
17,600.00	6,840.00	6,743.29	6,739.85	312.91	2.03	90.53	1,632.61	-8,875.63	4,756.16	4,559.40	196.76	24.173		
17,700.00	6,840.00	6,742.77	6,739.33	315.60	2.03	90.52	1,632.62	-8,875.63	4,830.35	4,635.18	195.17	24.750		
17,800.00	6,840.00	6,742.26	6,738.82	318.29	2.03	90.51	1,632.63	-8,875.63	4,905.46	4,711.87	193.59	25.339		
17,900.00	6,840.00	6,741.75	6,738.31	320.99	2.03	90.50	1,632.64	-8,875.63	4,981.45	4,789.41	192.04	25.940		
18,000.00	6,840.00	6,741.24	6,737.80	323.68	2.03	90.50	1,632.64	-8,875.64	5,058.27	4,867.77	190.50	26.552		
18,100.00	6,840.00	6,740.73	6,737.29	326.38	2.03	90.49	1,632.65	-8,875.64	5,135.89	4,946.90	188.98	27.176		
18,200.00	6,840.00	6,740.22	6,736.78	329.07	2.03	90.48	1,632.66	-8,875.64	5,214.27	5,026.78	187.49	27.812		
18,300.00	6,840.00	6,739.71	6,736.27	331.77	2.03	90.47	1,632.67	-8,875.64	5,293.38	5,107.37	186.01	28.457		
18,400.00	6,840.00	6,739.21	6,735.76	334.46	2.03	90.46	1,632.67	-8,875.65	5,373.19	5,188.63	184.56	29.114		
18,500.00	6,840.00	6,738.70	6,735.26	337.16	2.03	90.45	1,632.68	-8,875.65	5,453.66	5,270.53	183.13	29.780		
18,600.00	6,840.00	6,738.19	6,734.75	339.85	2.03	90.44	1,632.69	-8,875.65	5,534.77	5,353.04	181.72	30.457		
18,700.00	6,840.00	6,737.69	6,734.24	342.55	2.03	90.43	1,632.70	-8,875.65	5,616.48	5,436.14	180.34	31.144		
18,800.00	6,840.00	6,737.18	6,733.74	345.25	2.03	90.42	1,632.70	-8,875.66	5,698.79	5,519.80	178.98	31.840		
18,900.00	6,840.00	6,736.68	6,733.24	347.94	2.03	90.41	1,632.71	-8,875.66	5,781.64	5,604.00	177.65	32.545		
19,000.00	6,840.00	6,736.17	6,732.73	350.64	2.03	90.41	1,632.72	-8,875.66	5,865.04	5,688.70	176.34	33.260		
19,100.00	6,840.00	6,735.67	6,732.23	353.34	2.03	90.40	1,632.73	-8,875.66	5,948.94	5,773.89	175.05	33.984		
19,200.00	6,840.00	6,735.17	6,731.73	356.04	2.03	90.39	1,632.73	-8,875.67	6,033.34	5,859.55	173.79	34.716		
19,300.00	6,840.00	6,734.66	6,731.22	358.74	2.03	90.38	1,632.74	-8,875.67	6,118.21	5,945.65	172.56	35.456		
19,400.00	6,840.00	6,734.16	6,730.72	361.44	2.03	90.37	1,632.75	-8,875.67	6,203.52	6,032.18	171.34	36.205		
19,500.00	6,840.00	6,733.66	6,730.22	364.13	2.03	90.36	1,632.75	-8,875.67	6,289.27	6,119.12	170.15	36.963		
19,600.00	6,840.00	6,733.16	6,729.72	366.83	2.03	90.35	1,632.76	-8,875.68	6,375.44	6,206.45	168.99	37.727		
19,700.00	6,840.00	6,732.66	6,729.22	369.53	2.03	90.34	1,632.77	-8,875.68	6,462.00	6,294.16	167.84	38.500		
19,800.00	6,840.00	6,732.16	6,728.72	372.23	2.03	90.33	1,632.78	-8,875.68	6,548.95	6,382.22	166.72	39.280		
19,900.00	6,840.00	6,731.67	6,728.23	374.94	2.03	90.32	1,632.78	-8,875.68	6,636.26	6,470.64	165.63	40.068		
20,000.00	6,840.00	6,731.17	6,727.73	377.64	2.03	90.32	1,632.79	-8,875.69	6,723.93	6,559.38	164.55	40.863		
20,100.00	6,840.00	6,730.67	6,727.23	380.34	2.03	90.31	1,632.80	-8,875.69	6,811.94	6,648.44	163.50	41.664		
20,200.00	6,840.00	6,730.17	6,726.73	383.04	2.03	90.30	1,632.81	-8,875.69	6,900.27	6,737.81	162.46	42.473		
20,300.00	6,840.00	6,729.68	6,726.24	385.74	2.03	90.29	1,632.81	-8,875.69	6,988.92	6,827.47	161.45	43.288		
20,400.00	6,840.00	6,729.18	6,725.74	388.44	2.03	90.28	1,632.82	-8,875.70	7,077.87	6,917.41	160.46	44.110		
20,500.00	6,840.00	6,728.69	6,725.25	391.14	2.03	90.27	1,632.83	-8,875.70	7,167.11	7,007.62	159.49	44.938		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT ARENS G 26-19 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												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
20,552.28	6,840.00	6,728.43	6,724.99	392.56	2.03	90.27	1,632.83	-8,875.70	7,213.87	7,054.89	158.99	45.374	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT BEEBE DRAW 1 - OWB - Design #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	-96.53	-1,058.04	-9,236.68	9,297.91					
100.00	100.00	0.00	0.00	0.13	0.00	-96.53	-1,058.04	-9,236.68	9,297.11	9,296.98	0.13	N/A		
143.86	143.86	19.86	19.86	0.29	0.03	-96.53	-1,058.04	-9,236.68	9,297.08	9,296.76	0.32	N/A		
200.00	200.00	76.00	76.00	0.49	0.12	-96.53	-1,058.04	-9,236.68	9,297.08	9,296.47	0.62	N/A		
300.00	300.00	176.00	176.00	0.85	0.43	-96.53	-1,058.04	-9,236.68	9,297.08	9,295.80	1.29	7,234.403		
400.00	399.98	275.98	275.98	1.20	0.79	31.54	-1,058.04	-9,236.68	9,295.59	9,293.60	1.99	4,671.376		
500.00	499.84	375.84	375.84	1.55	1.15	31.60	-1,058.04	-9,236.68	9,291.13	9,288.44	2.69	3,448.077		
600.00	599.45	475.45	475.45	1.91	1.51	31.71	-1,058.04	-9,236.68	9,283.71	9,280.30	3.41	2,723.218		
700.00	698.70	574.70	574.70	2.29	1.86	31.86	-1,058.04	-9,236.68	9,273.33	9,269.19	4.13	2,244.236		
800.00	797.47	673.47	673.47	2.70	2.22	32.05	-1,058.04	-9,236.68	9,260.01	9,255.14	4.86	1,903.812		
900.00	895.62	771.62	771.62	3.14	2.57	32.29	-1,058.04	-9,236.68	9,243.77	9,238.17	5.61	1,648.954		
1,000.00	993.06	869.06	869.06	3.62	2.92	32.57	-1,058.04	-9,236.68	9,224.64	9,218.29	6.36	1,450.589		
1,100.00	1,089.64	965.64	965.64	4.14	3.26	32.90	-1,058.04	-9,236.68	9,202.66	9,195.53	7.13	1,291.474		
1,200.00	1,185.27	1,061.27	1,061.27	4.70	3.61	33.28	-1,058.04	-9,236.68	9,177.84	9,169.94	7.91	1,160.751		
1,300.00	1,279.82	1,155.82	1,155.82	5.31	3.95	33.71	-1,058.04	-9,236.68	9,150.24	9,141.54	8.70	1,051.251		
1,400.00	1,373.17	1,249.17	1,249.17	5.98	4.28	34.19	-1,058.04	-9,236.68	9,119.90	9,110.38	9.52	958.053		
1,500.00	1,465.22	1,341.22	1,341.22	6.70	4.61	34.68	-1,058.04	-9,236.68	9,086.88	9,076.52	10.36	877.402		
1,600.00	1,556.72	1,432.72	1,432.72	7.45	4.94	34.82	-1,058.04	-9,236.68	9,052.80	9,041.61	11.20	808.443		
1,700.00	1,648.21	1,524.21	1,524.21	8.21	5.27	34.96	-1,058.04	-9,236.68	9,018.78	9,006.73	12.05	748.421		
1,800.00	1,739.71	1,615.71	1,615.71	8.99	5.59	35.10	-1,058.04	-9,236.68	8,984.81	8,971.90	12.91	695.829		
1,900.00	1,831.20	1,707.20	1,707.20	9.77	5.92	35.25	-1,058.04	-9,236.68	8,950.89	8,937.11	13.78	649.450		
2,000.00	1,922.69	1,801.31	1,798.69	10.56	6.26	35.39	-1,058.04	-9,236.68	8,917.03	8,902.36	14.67	607.911		
2,100.00	2,014.19	1,909.81	1,890.19	11.35	6.65	35.54	-1,058.04	-9,236.68	8,883.22	8,867.61	15.61	568.999		
2,200.00	2,105.68	1,981.68	1,981.68	12.14	6.91	35.69	-1,058.04	-9,236.68	8,849.47	8,833.04	16.43	538.626		
2,300.00	2,197.18	2,073.18	2,073.18	12.94	7.23	35.84	-1,058.04	-9,236.68	8,815.77	8,798.45	17.32	508.917		
2,400.00	2,288.67	2,164.67	2,164.67	13.74	7.56	35.99	-1,058.04	-9,236.68	8,782.13	8,763.91	18.22	482.007		
2,500.00	2,380.17	2,256.17	2,256.17	14.54	7.89	36.14	-1,058.04	-9,236.68	8,748.54	8,729.42	19.12	457.527		
2,600.00	2,471.66	2,347.66	2,347.66	15.35	8.22	36.29	-1,058.04	-9,236.68	8,715.01	8,694.99	20.03	435.171		
2,700.00	2,563.16	2,439.16	2,439.16	16.15	8.55	36.44	-1,058.04	-9,236.68	8,681.54	8,660.61	20.94	414.678		
2,800.00	2,654.65	2,530.65	2,530.65	16.96	8.87	36.60	-1,058.04	-9,236.68	8,648.13	8,626.28	21.85	395.830		
2,900.00	2,746.15	2,622.15	2,622.15	17.76	9.20	36.75	-1,058.04	-9,236.68	8,614.78	8,592.02	22.76	378.440		
3,000.00	2,837.64	2,713.64	2,713.64	18.57	9.53	36.91	-1,058.04	-9,236.68	8,581.49	8,557.81	23.68	362.347		
3,100.00	2,929.14	2,805.14	2,805.14	19.38	9.86	37.07	-1,058.04	-9,236.68	8,548.26	8,523.65	24.61	347.415		
3,200.00	3,020.63	2,903.37	2,896.63	20.19	10.21	37.22	-1,058.04	-9,236.68	8,515.09	8,489.53	25.55	333.209		
3,300.00	3,112.13	2,988.13	2,988.13	21.00	10.51	37.38	-1,058.04	-9,236.68	8,481.98	8,455.52	26.46	320.570		
3,400.00	3,203.62	3,079.62	3,079.62	21.81	10.84	37.55	-1,058.04	-9,236.68	8,448.94	8,421.55	27.39	308.462		
3,500.00	3,295.12	3,171.12	3,171.12	22.63	11.17	37.71	-1,058.04	-9,236.68	8,415.96	8,387.63	28.32	297.122		
3,600.00	3,386.61	3,262.61	3,262.61	23.44	11.50	37.87	-1,058.04	-9,236.68	8,383.04	8,353.78	29.26	286.480		
3,700.00	3,478.10	3,354.10	3,354.10	24.25	11.83	38.04	-1,058.04	-9,236.68	8,350.19	8,319.99	30.20	276.474		
3,800.00	3,569.60	3,445.60	3,445.60	25.06	12.15	38.20	-1,058.04	-9,236.68	8,317.41	8,286.26	31.15	267.049		
3,900.00	3,661.09	3,537.09	3,537.09	25.88	12.48	38.37	-1,058.04	-9,236.68	8,284.69	8,252.60	32.09	258.157		
4,000.00	3,752.59	3,628.59	3,628.59	26.69	12.81	38.54	-1,058.04	-9,236.68	8,252.04	8,219.00	33.04	249.755		
4,100.00	3,844.08	3,720.08	3,720.08	27.50	13.14	38.71	-1,058.04	-9,236.68	8,219.46	8,185.47	33.99	241.803		
4,200.00	3,935.58	3,811.58	3,811.58	28.32	13.47	38.88	-1,058.04	-9,236.68	8,186.95	8,152.00	34.95	234.267		
4,300.00	4,027.07	3,903.07	3,903.07	29.13	13.79	39.05	-1,058.04	-9,236.68	8,154.51	8,118.60	35.90	227.115		
4,400.00	4,118.57	4,005.43	3,994.57	29.95	14.16	39.22	-1,058.04	-9,236.68	8,122.14	8,085.23	36.90	220.087		
4,500.00	4,210.06	4,086.06	4,086.06	30.76	14.45	39.40	-1,058.04	-9,236.68	8,089.84	8,052.01	37.83	213.854		
4,600.00	4,301.56	4,177.56	4,177.56	31.58	14.78	39.57	-1,058.04	-9,236.68	8,057.61	8,018.81	38.80	207.697		
4,700.00	4,393.05	4,269.05	4,269.05	32.39	15.11	39.75	-1,058.04	-9,236.68	8,025.46	7,985.69	39.76	201.825		
4,800.00	4,484.55	4,360.55	4,360.55	33.21	15.43	39.93	-1,058.04	-9,236.68	7,993.38	7,952.64	40.74	196.221		
4,900.00	4,576.04	4,452.04	4,452.04	34.02	15.76	40.11	-1,058.04	-9,236.68	7,961.38	7,919.66	41.71	190.866		
5,000.00	4,667.54	4,543.54	4,543.54	34.84	16.09	40.29	-1,058.04	-9,236.68	7,929.45	7,886.76	42.69	185.744		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT BEEBE DRAW 1 - OWB - Design #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		
5,100.00	4,759.03	4,635.03	4,635.03	35.65	16.42	40.47	-1,058.04	-9,236.68	7,897.60	7,853.93	43.67	180.842		
5,200.00	4,850.53	4,726.53	4,726.53	36.47	16.75	40.66	-1,058.04	-9,236.68	7,865.83	7,821.17	44.66	176.144		
5,300.00	4,942.02	4,818.02	4,818.02	37.28	17.07	40.84	-1,058.04	-9,236.68	7,834.14	7,788.49	45.64	171.640		
5,400.00	5,033.51	4,909.51	4,909.51	38.10	17.40	41.03	-1,058.04	-9,236.68	7,802.52	7,755.89	46.63	167.317		
5,500.00	5,125.01	5,001.01	5,001.01	38.92	17.73	41.22	-1,058.04	-9,236.68	7,770.99	7,723.36	47.63	163.165		
5,600.00	5,216.50	5,107.50	5,092.50	39.73	18.11	41.41	-1,058.04	-9,236.68	7,739.54	7,690.86	48.68	158.998		
5,700.00	5,308.00	5,184.00	5,184.00	40.55	18.39	41.60	-1,058.04	-9,236.68	7,708.18	7,658.55	49.62	155.335		
5,800.00	5,399.49	5,275.49	5,275.49	41.36	18.71	41.79	-1,058.04	-9,236.68	7,676.89	7,626.27	50.63	151.640		
5,900.00	5,490.99	5,366.99	5,366.99	42.18	19.04	41.99	-1,058.04	-9,236.68	7,645.70	7,594.06	51.63	148.081		
6,000.00	5,582.48	5,458.48	5,458.48	43.00	19.37	42.18	-1,058.04	-9,236.68	7,614.58	7,561.94	52.64	144.651		
6,100.00	5,673.98	5,549.98	5,549.98	43.81	19.70	42.38	-1,058.04	-9,236.68	7,583.56	7,529.91	53.65	141.343		
6,200.00	5,765.47	5,641.47	5,641.47	44.63	20.03	42.58	-1,058.04	-9,236.68	7,552.62	7,497.95	54.67	138.151		
6,300.00	5,856.97	5,732.97	5,732.97	45.45	20.35	42.78	-1,058.04	-9,236.68	7,521.78	7,466.09	55.69	135.069		
6,400.00	5,948.46	5,824.46	5,824.46	46.26	20.68	42.98	-1,058.04	-9,236.68	7,491.02	7,434.31	56.71	132.092		
6,500.00	6,039.96	5,915.96	5,915.96	47.08	21.01	43.18	-1,058.04	-9,236.68	7,460.36	7,402.62	57.74	129.214		
6,600.00	6,131.45	6,007.45	6,007.45	47.90	21.34	43.39	-1,058.04	-9,236.68	7,429.78	7,371.02	58.77	126.431		
6,700.00	6,222.95	6,101.05	6,098.95	48.71	21.67	43.59	-1,058.04	-9,236.68	7,399.30	7,339.50	59.81	123.723		
6,800.00	6,314.44	6,209.56	6,190.44	49.53	22.06	43.80	-1,058.04	-9,236.68	7,368.92	7,308.02	60.90	120.996		
6,900.00	6,405.93	6,281.93	6,281.93	50.35	22.32	44.01	-1,058.04	-9,236.68	7,338.63	7,276.76	61.87	118.609		
7,000.00	6,497.01	6,373.01	6,373.01	51.18	22.65	39.27	-1,058.04	-9,236.68	7,307.23	7,244.31	62.92	116.140		
7,100.00	6,582.62	6,458.62	6,458.62	52.20	22.96	31.13	-1,058.04	-9,236.68	7,262.92	7,198.96	63.97	113.545		
7,200.00	6,659.25	6,535.25	6,535.25	53.42	23.23	26.94	-1,058.04	-9,236.68	7,203.87	7,138.90	64.97	110.878		
7,300.00	6,724.59	6,600.59	6,600.59	54.84	23.46	25.12	-1,058.04	-9,236.68	7,131.84	7,065.95	65.89	108.241		
7,400.00	6,776.64	6,652.64	6,652.64	56.40	23.65	25.33	-1,058.04	-9,236.68	7,049.00	6,982.33	66.68	105.720		
7,500.00	6,813.82	6,689.82	6,689.82	58.08	23.78	28.50	-1,058.04	-9,236.68	6,957.85	6,890.55	67.30	103.386		
7,600.00	6,835.01	6,711.01	6,711.01	59.82	23.86	40.88	-1,058.04	-9,236.68	6,861.13	6,793.40	67.73	101.295		
7,700.00	6,840.00	6,716.00	6,716.00	61.57	23.88	90.00	-1,058.04	-9,236.68	6,761.76	6,693.79	67.97	99.480		
7,800.00	6,840.00	6,716.00	6,716.00	63.35	23.88	90.00	-1,058.04	-9,236.68	6,662.06	6,593.91	68.15	97.756		
7,900.00	6,840.00	6,716.00	6,716.00	65.20	23.88	90.00	-1,058.04	-9,236.68	6,562.37	6,494.04	68.34	96.032		
8,000.00	6,840.00	6,716.00	6,716.00	67.10	23.88	90.00	-1,058.04	-9,236.68	6,462.69	6,394.17	68.53	94.309		
8,100.00	6,840.00	6,716.00	6,716.00	69.05	23.88	90.00	-1,058.04	-9,236.68	6,363.02	6,294.30	68.73	92.586		
8,200.00	6,840.00	6,716.00	6,716.00	71.06	23.88	90.00	-1,058.04	-9,236.68	6,263.36	6,194.43	68.93	90.863		
8,300.00	6,840.00	6,716.00	6,716.00	73.11	23.88	90.00	-1,058.04	-9,236.68	6,163.72	6,094.57	69.15	89.141		
8,400.00	6,840.00	6,716.00	6,716.00	75.21	23.88	90.00	-1,058.04	-9,236.68	6,064.08	5,994.71	69.37	87.420		
8,500.00	6,840.00	6,716.00	6,716.00	77.34	23.88	90.00	-1,058.04	-9,236.68	5,964.46	5,894.86	69.60	85.700		
8,600.00	6,840.00	6,716.00	6,716.00	79.51	23.88	90.00	-1,058.04	-9,236.68	5,864.85	5,795.01	69.84	83.980		
8,700.00	6,840.00	6,716.00	6,716.00	81.72	23.88	90.00	-1,058.04	-9,236.68	5,765.25	5,695.16	70.08	82.262		
8,800.00	6,840.00	6,716.00	6,716.00	83.95	23.88	90.00	-1,058.04	-9,236.68	5,665.66	5,595.32	70.34	80.544		
8,900.00	6,840.00	6,716.00	6,716.00	86.22	23.88	90.00	-1,058.04	-9,236.68	5,566.10	5,495.49	70.61	78.828		
9,000.00	6,840.00	6,716.00	6,716.00	88.51	23.88	90.00	-1,058.04	-9,236.68	5,466.54	5,395.65	70.89	77.114		
9,100.00	6,840.00	6,716.00	6,716.00	90.83	23.88	90.00	-1,058.04	-9,236.68	5,367.01	5,295.83	71.18	75.400		
9,200.00	6,840.00	6,716.00	6,716.00	93.16	23.88	90.00	-1,058.04	-9,236.68	5,267.49	5,196.00	71.48	73.689		
9,300.00	6,840.00	6,716.00	6,716.00	95.52	23.88	90.00	-1,058.04	-9,236.68	5,167.99	5,096.19	71.80	71.979		
9,400.00	6,840.00	6,716.00	6,716.00	97.90	23.88	90.00	-1,058.04	-9,236.68	5,068.51	4,996.38	72.13	70.270		
9,500.00	6,840.00	6,716.00	6,716.00	100.30	23.88	90.00	-1,058.04	-9,236.68	4,969.05	4,896.57	72.47	68.564		
9,600.00	6,840.00	6,716.00	6,716.00	102.72	23.88	90.00	-1,058.04	-9,236.68	4,869.61	4,796.78	72.83	66.860		
9,700.00	6,840.00	6,716.00	6,716.00	105.15	23.88	90.00	-1,058.04	-9,236.68	4,770.20	4,696.99	73.21	65.159		
9,800.00	6,840.00	6,716.00	6,716.00	107.59	23.88	90.00	-1,058.04	-9,236.68	4,670.81	4,597.20	73.60	63.459		
9,900.00	6,840.00	6,716.00	6,716.00	110.05	23.88	90.00	-1,058.04	-9,236.68	4,571.44	4,497.43	74.02	61.763		
10,000.00	6,840.00	6,716.00	6,716.00	112.52	23.88	90.00	-1,058.04	-9,236.68	4,472.11	4,397.66	74.45	60.069		
10,100.00	6,840.00	6,716.00	6,716.00	115.00	23.88	90.00	-1,058.04	-9,236.68	4,372.81	4,297.90	74.90	58.379		
10,200.00	6,840.00	6,716.00	6,716.00	117.50	23.88	90.00	-1,058.04	-9,236.68	4,273.54	4,198.15	75.38	56.692		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT BEEBE DRAW 1 - OWB - Design #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		
10,300.00	6,840.00	6,716.00	6,716.00	120.00	23.88	90.00	-1,058.04	-9,236.68	4,174.30	4,098.41	75.88	55.008		
10,400.00	6,840.00	6,716.00	6,716.00	122.51	23.88	90.00	-1,058.04	-9,236.68	4,075.10	3,998.69	76.41	53.329		
10,500.00	6,840.00	6,716.00	6,716.00	125.04	23.88	90.00	-1,058.04	-9,236.68	3,975.94	3,898.97	76.97	51.653		
10,600.00	6,840.00	6,716.00	6,716.00	127.57	23.88	90.00	-1,058.04	-9,236.68	3,876.83	3,799.26	77.56	49.983		
10,700.00	6,840.00	6,716.00	6,716.00	130.11	23.88	90.00	-1,058.04	-9,236.68	3,777.76	3,699.57	78.19	48.317		
10,800.00	6,840.00	6,716.00	6,716.00	132.66	23.88	90.00	-1,058.04	-9,236.68	3,678.74	3,599.89	78.85	46.656		
10,900.00	6,840.00	6,716.00	6,716.00	135.21	23.88	90.00	-1,058.04	-9,236.68	3,579.77	3,500.23	79.55	45.001		
11,000.00	6,840.00	6,716.00	6,716.00	137.77	23.88	90.00	-1,058.04	-9,236.68	3,480.87	3,400.58	80.29	43.352		
11,100.00	6,840.00	6,716.00	6,716.00	140.34	23.88	90.00	-1,058.04	-9,236.68	3,382.03	3,300.95	81.08	41.710		
11,200.00	6,840.00	6,716.00	6,716.00	142.91	23.88	90.00	-1,058.04	-9,236.68	3,283.26	3,201.33	81.93	40.075		
11,300.00	6,840.00	6,716.00	6,716.00	145.49	23.88	90.00	-1,058.04	-9,236.68	3,184.57	3,101.74	82.83	38.448		
11,400.00	6,840.00	6,716.00	6,716.00	148.07	23.88	90.00	-1,058.04	-9,236.68	3,085.96	3,002.17	83.79	36.830		
11,500.00	6,840.00	6,716.00	6,716.00	150.66	23.88	90.00	-1,058.04	-9,236.68	2,987.44	2,902.62	84.82	35.221		
11,600.00	6,840.00	6,716.00	6,716.00	153.25	23.88	90.00	-1,058.04	-9,236.68	2,889.03	2,803.10	85.93	33.622		
11,700.00	6,840.00	6,716.00	6,716.00	155.85	23.88	90.00	-1,058.04	-9,236.68	2,790.72	2,703.61	87.12	32.034		
11,800.00	6,840.00	6,716.00	6,716.00	158.45	23.88	90.00	-1,058.04	-9,236.68	2,692.55	2,604.14	88.40	30.458		
11,900.00	6,840.00	6,716.00	6,716.00	161.06	23.88	90.00	-1,058.04	-9,236.68	2,594.51	2,504.72	89.79	28.895		
12,000.00	6,840.00	6,716.00	6,716.00	163.67	23.88	90.00	-1,058.04	-9,236.68	2,496.63	2,405.33	91.29	27.347		
12,100.00	6,840.00	6,716.00	6,716.00	166.28	23.88	90.00	-1,058.04	-9,236.68	2,398.92	2,305.99	92.93	25.815		
12,200.00	6,840.00	6,716.00	6,716.00	168.90	23.88	90.00	-1,058.04	-9,236.68	2,301.41	2,206.70	94.71	24.300		
12,300.00	6,840.00	6,716.00	6,716.00	171.52	23.88	90.00	-1,058.04	-9,236.68	2,204.12	2,107.47	96.65	22.804		
12,400.00	6,840.00	6,716.00	6,716.00	174.15	23.88	90.00	-1,058.04	-9,236.68	2,107.09	2,008.30	98.79	21.329		
12,500.00	6,840.00	6,716.00	6,716.00	176.77	23.88	90.00	-1,058.04	-9,236.68	2,010.34	1,909.21	101.14	19.878		
12,600.00	6,840.00	6,716.00	6,716.00	179.40	23.88	90.00	-1,058.04	-9,236.68	1,913.94	1,810.21	103.73	18.451		
12,700.00	6,840.00	6,716.00	6,716.00	182.04	23.88	90.00	-1,058.04	-9,236.68	1,817.92	1,711.31	106.60	17.053		
12,800.00	6,840.00	6,716.00	6,716.00	184.67	23.88	90.00	-1,058.04	-9,236.68	1,722.35	1,612.55	109.80	15.686		
12,900.00	6,840.00	6,716.00	6,716.00	187.31	23.88	90.00	-1,058.04	-9,236.68	1,627.32	1,513.94	113.37	14.353		
13,000.00	6,840.00	6,716.00	6,716.00	189.95	23.88	90.00	-1,058.04	-9,236.68	1,532.92	1,415.53	117.39	13.059		
13,100.00	6,840.00	6,716.00	6,716.00	192.59	23.88	90.00	-1,058.04	-9,236.68	1,439.27	1,317.36	121.91	11.806		
13,200.00	6,840.00	6,716.00	6,716.00	195.24	23.88	90.00	-1,058.04	-9,236.68	1,346.54	1,219.50	127.04	10.599		
13,300.00	6,840.00	6,716.00	6,716.00	197.88	23.88	90.00	-1,058.04	-9,236.68	1,254.92	1,122.04	132.88	9.444		
13,400.00	6,840.00	6,716.00	6,716.00	200.53	23.88	90.00	-1,058.04	-9,236.68	1,164.69	1,025.13	139.56	8.345		
13,500.00	6,840.00	6,716.00	6,716.00	203.18	23.88	90.00	-1,058.04	-9,236.68	1,076.18	928.96	147.23	7.310		
13,600.00	6,840.00	6,716.00	6,716.00	205.83	23.88	90.00	-1,058.04	-9,236.68	989.87	833.82	156.05	6.343		
13,700.00	6,840.00	6,716.00	6,716.00	208.49	23.88	90.00	-1,058.04	-9,236.68	906.37	740.18	166.20	5.454		
13,800.00	6,840.00	6,716.00	6,716.00	211.14	23.88	90.00	-1,058.04	-9,236.68	826.55	648.73	177.82	4.648		
13,900.00	6,840.00	6,716.00	6,716.00	213.80	23.88	90.00	-1,058.04	-9,236.68	751.56	560.61	190.95	3.936		
14,000.00	6,840.00	6,716.00	6,716.00	216.46	23.88	90.00	-1,058.04	-9,236.68	683.02	477.62	205.40	3.325		
14,100.00	6,840.00	6,716.00	6,716.00	219.12	23.88	90.00	-1,058.04	-9,236.68	623.04	402.56	220.49	2.826		
14,200.00	6,840.00	6,716.00	6,716.00	221.78	23.88	90.00	-1,058.04	-9,236.68	574.33	339.58	234.75	2.447		
14,300.00	6,840.00	6,716.00	6,716.00	224.45	23.88	90.00	-1,058.04	-9,236.68	539.93	294.12	245.80	2.197		
14,400.00	6,840.00	6,716.00	6,716.00	227.11	23.88	90.00	-1,058.04	-9,236.68	522.68	271.80	250.88	2.083		
14,441.66	6,840.00	6,716.00	6,716.00	228.22	23.88	90.00	-1,058.04	-9,236.68	521.01	270.29	250.72	2.078 CC, ES, SF		
14,500.00	6,840.00	6,716.00	6,716.00	229.78	23.88	90.00	-1,058.04	-9,236.68	524.27	276.11	248.16	2.113		
14,600.00	6,840.00	6,716.00	6,716.00	232.45	23.88	90.00	-1,058.04	-9,236.68	544.54	306.48	238.06	2.287		
14,700.00	6,840.00	6,716.00	6,716.00	235.12	23.88	90.00	-1,058.04	-9,236.68	581.55	358.53	223.01	2.608		
14,800.00	6,840.00	6,716.00	6,716.00	237.79	23.88	90.00	-1,058.04	-9,236.68	632.35	426.45	205.90	3.071		
14,900.00	6,840.00	6,716.00	6,716.00	240.46	23.88	90.00	-1,058.04	-9,236.68	693.93	505.01	188.92	3.673		
15,000.00	6,840.00	6,716.00	6,716.00	243.13	23.88	90.00	-1,058.04	-9,236.68	763.68	590.41	173.26	4.408		
15,100.00	6,840.00	6,716.00	6,716.00	245.80	23.88	90.00	-1,058.04	-9,236.68	839.57	680.18	159.39	5.267		
15,200.00	6,840.00	6,716.00	6,716.00	248.48	23.88	90.00	-1,058.04	-9,236.68	920.08	772.74	147.34	6.245		
15,300.00	6,840.00	6,716.00	6,716.00	251.15	23.88	90.00	-1,058.04	-9,236.68	1,004.10	867.12	136.97	7.331		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT BEEBE DRAW 1 - OWB - Design #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		
15,400.00	6,840.00	6,716.00	6,716.00	253.83	23.88	90.00	-1,058.04	-9,236.68	1,090.81	962.74	128.08	8.517		
15,500.00	6,840.00	6,716.00	6,716.00	256.51	23.88	90.00	-1,058.04	-9,236.68	1,179.64	1,059.20	120.44	9.795		
15,600.00	6,840.00	6,716.00	6,716.00	259.19	23.88	90.00	-1,058.04	-9,236.68	1,270.12	1,156.26	113.86	11.155		
15,700.00	6,840.00	6,716.00	6,716.00	261.87	23.88	90.00	-1,058.04	-9,236.68	1,361.94	1,253.76	108.18	12.590		
15,800.00	6,840.00	6,716.00	6,716.00	264.55	23.88	90.00	-1,058.04	-9,236.68	1,454.84	1,351.58	103.25	14.090		
15,900.00	6,840.00	6,716.00	6,716.00	267.23	23.88	90.00	-1,058.04	-9,236.68	1,548.62	1,449.65	98.97	15.648		
16,000.00	6,840.00	6,716.00	6,716.00	269.91	23.88	90.00	-1,058.04	-9,236.68	1,643.13	1,547.91	95.22	17.256		
16,100.00	6,840.00	6,716.00	6,716.00	272.59	23.88	90.00	-1,058.04	-9,236.68	1,738.26	1,646.32	91.94	18.907		
16,200.00	6,840.00	6,716.00	6,716.00	275.28	23.88	90.00	-1,058.04	-9,236.68	1,833.91	1,744.86	89.05	20.594		
16,300.00	6,840.00	6,716.00	6,716.00	277.96	23.88	90.00	-1,058.04	-9,236.68	1,930.00	1,843.49	86.50	22.311		
16,400.00	6,840.00	6,716.00	6,716.00	280.64	23.88	90.00	-1,058.04	-9,236.68	2,026.47	1,942.21	84.25	24.053		
16,500.00	6,840.00	6,716.00	6,716.00	283.33	23.88	90.00	-1,058.04	-9,236.68	2,123.26	2,041.01	82.25	25.814		
16,600.00	6,840.00	6,716.00	6,716.00	286.02	23.88	90.00	-1,058.04	-9,236.68	2,220.34	2,139.86	80.48	27.590		
16,700.00	6,840.00	6,716.00	6,716.00	288.70	23.88	90.00	-1,058.04	-9,236.68	2,317.66	2,238.77	78.89	29.377		
16,800.00	6,840.00	6,716.00	6,716.00	291.39	23.88	90.00	-1,058.04	-9,236.68	2,415.21	2,337.73	77.48	31.171		
16,900.00	6,840.00	6,716.00	6,716.00	294.08	23.88	90.00	-1,058.04	-9,236.68	2,512.95	2,436.73	76.22	32.969		
17,000.00	6,840.00	6,716.00	6,716.00	296.77	23.88	90.00	-1,058.04	-9,236.68	2,610.86	2,535.76	75.09	34.768		
17,100.00	6,840.00	6,716.00	6,716.00	299.46	23.88	90.00	-1,058.04	-9,236.68	2,708.92	2,634.84	74.08	36.567		
17,200.00	6,840.00	6,716.00	6,716.00	302.14	23.88	90.00	-1,058.04	-9,236.68	2,807.12	2,733.94	73.17	38.363		
17,300.00	6,840.00	6,716.00	6,716.00	304.84	23.88	90.00	-1,058.04	-9,236.68	2,905.44	2,833.08	72.36	40.153		
17,400.00	6,840.00	6,716.00	6,716.00	307.53	23.88	90.00	-1,058.04	-9,236.68	3,003.87	2,932.25	71.63	41.938		
17,500.00	6,840.00	6,716.00	6,716.00	310.22	23.88	90.00	-1,058.04	-9,236.68	3,102.41	3,031.44	70.97	43.716		
17,600.00	6,840.00	6,716.00	6,716.00	312.91	23.88	90.00	-1,058.04	-9,236.68	3,201.03	3,130.65	70.38	45.485		
17,700.00	6,840.00	6,716.00	6,716.00	315.60	23.88	90.00	-1,058.04	-9,236.68	3,299.74	3,229.89	69.84	47.245		
17,800.00	6,840.00	6,716.00	6,716.00	318.29	23.88	90.00	-1,058.04	-9,236.68	3,398.52	3,329.15	69.36	48.995		
17,900.00	6,840.00	6,716.00	6,716.00	320.99	23.88	90.00	-1,058.04	-9,236.68	3,497.37	3,428.44	68.93	50.735		
18,000.00	6,840.00	6,716.00	6,716.00	323.68	23.88	90.00	-1,058.04	-9,236.68	3,596.28	3,527.74	68.55	52.465		
18,100.00	6,840.00	6,716.00	6,716.00	326.38	23.88	90.00	-1,058.04	-9,236.68	3,695.26	3,627.06	68.20	54.184		
18,200.00	6,840.00	6,716.00	6,716.00	329.07	23.88	90.00	-1,058.04	-9,236.68	3,794.28	3,726.40	67.89	55.892		
18,300.00	6,840.00	6,716.00	6,716.00	331.77	23.88	90.00	-1,058.04	-9,236.68	3,893.36	3,825.76	67.61	57.588		
18,400.00	6,840.00	6,716.00	6,716.00	334.46	23.88	90.00	-1,058.04	-9,236.68	3,992.48	3,925.13	67.36	59.274		
18,500.00	6,840.00	6,716.00	6,716.00	337.16	23.88	90.00	-1,058.04	-9,236.68	4,091.65	4,024.52	67.13	60.949		
18,600.00	6,840.00	6,716.00	6,716.00	339.85	23.88	90.00	-1,058.04	-9,236.68	4,190.86	4,123.92	66.93	62.612		
18,700.00	6,840.00	6,716.00	6,716.00	342.55	23.88	90.00	-1,058.04	-9,236.68	4,290.10	4,223.34	66.76	64.265		
18,800.00	6,840.00	6,716.00	6,716.00	345.25	23.88	90.00	-1,058.04	-9,236.68	4,389.37	4,322.77	66.60	65.906		
18,900.00	6,840.00	6,716.00	6,716.00	347.94	23.88	90.00	-1,058.04	-9,236.68	4,488.68	4,422.22	66.46	67.537		
19,000.00	6,840.00	6,716.00	6,716.00	350.64	23.88	90.00	-1,058.04	-9,236.68	4,588.02	4,521.68	66.34	69.158		
19,100.00	6,840.00	6,716.00	6,716.00	353.34	23.88	90.00	-1,058.04	-9,236.68	4,687.39	4,621.15	66.24	70.768		
19,200.00	6,840.00	6,716.00	6,716.00	356.04	23.88	90.00	-1,058.04	-9,236.68	4,786.78	4,720.64	66.15	72.368		
19,300.00	6,840.00	6,716.00	6,716.00	358.74	23.88	90.00	-1,058.04	-9,236.68	4,886.20	4,820.13	66.07	73.957		
19,400.00	6,840.00	6,716.00	6,716.00	361.44	23.88	90.00	-1,058.04	-9,236.68	4,985.64	4,919.64	66.00	75.537		
19,500.00	6,840.00	6,716.00	6,716.00	364.13	23.88	90.00	-1,058.04	-9,236.68	5,085.10	5,019.16	65.95	77.107		
19,600.00	6,840.00	6,716.00	6,716.00	366.83	23.88	90.00	-1,058.04	-9,236.68	5,184.59	5,118.68	65.90	78.668		
19,700.00	6,840.00	6,716.00	6,716.00	369.53	23.88	90.00	-1,058.04	-9,236.68	5,284.09	5,218.22	65.87	80.219		
19,800.00	6,840.00	6,716.00	6,716.00	372.23	23.88	90.00	-1,058.04	-9,236.68	5,383.61	5,317.77	65.85	81.761		
19,900.00	6,840.00	6,716.00	6,716.00	374.94	23.88	90.00	-1,058.04	-9,236.68	5,483.15	5,417.32	65.83	83.295		
20,000.00	6,840.00	6,716.00	6,716.00	377.64	23.88	90.00	-1,058.04	-9,236.68	5,582.71	5,516.89	65.82	84.819		
20,100.00	6,840.00	6,716.00	6,716.00	380.34	23.88	90.00	-1,058.04	-9,236.68	5,682.28	5,616.46	65.82	86.335		
20,200.00	6,840.00	6,716.00	6,716.00	383.04	23.88	90.00	-1,058.04	-9,236.68	5,781.87	5,716.04	65.82	87.842		
20,300.00	6,840.00	6,716.00	6,716.00	385.74	23.88	90.00	-1,058.04	-9,236.68	5,881.47	5,815.63	65.83	89.341		
20,400.00	6,840.00	6,716.00	6,716.00	388.44	23.88	90.00	-1,058.04	-9,236.68	5,981.08	5,915.23	65.85	90.832		
20,500.00	6,840.00	6,716.00	6,716.00	391.14	23.88	90.00	-1,058.04	-9,236.68	6,080.71	6,014.84	65.87	92.315		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT BEEBE DRAW 1 - OWB - Design #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
20,552.28	6,840.00	6,716.00	6,716.00	392.56	23.88	90.00	-1,058.04	-9,236.68	6,132.79	6,066.91	65.88	93.087	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT BEEBE DRAW 14-26 - 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		
0.00	0.00	0.00	0.00	0.00	0.00	-99.31	-1,599.56	-9,754.48	9,885.44					
100.00	100.00	0.00	0.00	0.13	0.00	-99.31	-1,599.56	-9,754.48	9,884.77	9,884.63	0.13	N/A		
139.68	139.68	23.68	23.68	0.28	0.19	-99.31	-1,599.56	-9,754.48	9,884.76	9,884.29	0.46	N/A		
200.00	200.00	84.00	84.00	0.49	0.66	-99.31	-1,599.56	-9,754.48	9,884.76	9,883.60	1.15	8,575.800		
300.00	300.00	184.00	184.00	0.85	2.25	-99.31	-1,599.56	-9,754.48	9,884.76	9,881.65	3.10	3,185.707		
400.00	399.98	283.98	283.98	1.20	4.00	28.76	-1,599.56	-9,754.48	9,883.23	9,878.03	5.19	1,902.724		
500.00	499.84	383.84	383.84	1.55	5.74	28.82	-1,599.56	-9,754.48	9,878.64	9,871.35	7.28	1,356.234		
600.00	599.45	483.45	483.45	1.91	7.48	28.92	-1,599.56	-9,754.48	9,871.00	9,861.62	9.38	1,052.395		
700.00	698.70	582.70	582.70	2.29	9.21	29.05	-1,599.56	-9,754.48	9,860.32	9,848.84	11.48	859.066		
800.00	797.47	681.47	681.47	2.70	10.93	29.23	-1,599.56	-9,754.48	9,846.62	9,833.04	13.58	725.213		
900.00	895.62	779.62	779.62	3.14	12.65	29.45	-1,599.56	-9,754.48	9,829.91	9,814.23	15.68	627.006		
1,000.00	993.06	877.06	877.06	3.62	14.35	29.72	-1,599.56	-9,754.48	9,810.23	9,792.45	17.78	551.836		
1,100.00	1,089.64	973.64	973.64	4.14	16.03	30.02	-1,599.56	-9,754.48	9,787.59	9,767.72	19.88	492.410		
1,200.00	1,185.27	1,069.27	1,069.27	4.70	17.70	30.37	-1,599.56	-9,754.48	9,762.05	9,740.07	21.98	444.221		
1,300.00	1,279.82	1,163.82	1,163.82	5.31	19.35	30.77	-1,599.56	-9,754.48	9,733.62	9,709.55	24.07	404.332		
1,400.00	1,373.17	1,257.17	1,257.17	5.98	20.98	31.22	-1,599.56	-9,754.48	9,702.37	9,676.20	26.17	370.748		
1,500.00	1,465.22	1,349.22	1,349.22	6.70	22.59	31.67	-1,599.56	-9,754.48	9,668.34	9,640.07	28.27	342.027		
1,600.00	1,556.72	1,440.72	1,440.72	7.45	24.19	31.80	-1,599.56	-9,754.48	9,633.21	9,602.85	30.36	317.306		
1,700.00	1,648.21	1,532.21	1,532.21	8.21	25.78	31.92	-1,599.56	-9,754.48	9,598.13	9,565.67	32.46	295.677		
1,800.00	1,739.71	1,623.71	1,623.71	8.99	27.38	32.05	-1,599.56	-9,754.48	9,563.09	9,528.52	34.57	276.611		
1,900.00	1,831.20	1,715.20	1,715.20	9.77	28.98	32.17	-1,599.56	-9,754.48	9,528.09	9,491.40	36.69	259.687		
2,000.00	1,922.69	1,806.69	1,806.69	10.56	30.57	32.30	-1,599.56	-9,754.48	9,493.13	9,454.32	38.82	244.572		
2,100.00	2,014.19	1,901.81	1,898.19	11.35	32.23	32.43	-1,599.56	-9,754.48	9,458.22	9,417.21	41.01	230.640		
2,200.00	2,105.68	1,989.68	1,989.68	12.14	33.77	32.55	-1,599.56	-9,754.48	9,423.35	9,380.27	43.08	218.738		
2,300.00	2,197.18	2,081.18	2,081.18	12.94	35.36	32.68	-1,599.56	-9,754.48	9,388.52	9,343.30	45.22	207.619		
2,400.00	2,288.67	2,172.67	2,172.67	13.74	36.96	32.81	-1,599.56	-9,754.48	9,353.74	9,306.38	47.36	197.488		
2,500.00	2,380.17	2,264.17	2,264.17	14.54	38.56	32.94	-1,599.56	-9,754.48	9,319.01	9,269.49	49.51	188.221		
2,600.00	2,471.66	2,355.66	2,355.66	15.35	40.15	33.08	-1,599.56	-9,754.48	9,284.31	9,232.65	51.66	179.713		
2,700.00	2,563.16	2,447.16	2,447.16	16.15	41.75	33.21	-1,599.56	-9,754.48	9,249.67	9,195.85	53.82	171.875		
2,800.00	2,654.65	2,538.65	2,538.65	16.96	43.35	33.34	-1,599.56	-9,754.48	9,215.07	9,159.10	55.97	164.633		
2,900.00	2,746.15	2,630.15	2,630.15	17.76	44.94	33.48	-1,599.56	-9,754.48	9,180.52	9,122.38	58.13	157.920		
3,000.00	2,837.64	2,721.64	2,721.64	18.57	46.54	33.61	-1,599.56	-9,754.48	9,146.01	9,085.72	60.30	151.682		
3,100.00	2,929.14	2,813.14	2,813.14	19.38	48.14	33.75	-1,599.56	-9,754.48	9,111.56	9,049.09	62.46	145.870		
3,200.00	3,020.63	2,904.63	2,904.63	20.19	49.74	33.89	-1,599.56	-9,754.48	9,077.15	9,012.52	64.63	140.443		
3,300.00	3,112.13	3,003.87	2,996.13	21.00	51.47	34.03	-1,599.56	-9,754.48	9,042.79	8,975.85	66.94	135.090		
3,400.00	3,203.62	3,087.62	3,087.62	21.81	52.93	34.17	-1,599.56	-9,754.48	9,008.48	8,939.50	68.98	130.599		
3,500.00	3,295.12	3,179.12	3,179.12	22.63	54.53	34.31	-1,599.56	-9,754.48	8,974.22	8,903.07	71.16	126.122		
3,600.00	3,386.61	3,270.61	3,270.61	23.44	56.12	34.45	-1,599.56	-9,754.48	8,940.02	8,866.68	73.33	121.907		
3,700.00	3,478.10	3,362.10	3,362.10	24.25	57.72	34.59	-1,599.56	-9,754.48	8,905.86	8,830.34	75.52	117.932		
3,800.00	3,569.60	3,453.60	3,453.60	25.06	59.32	34.74	-1,599.56	-9,754.48	8,871.76	8,794.06	77.70	114.178		
3,900.00	3,661.09	3,545.09	3,545.09	25.88	60.91	34.88	-1,599.56	-9,754.48	8,837.71	8,757.82	79.89	110.625		
4,000.00	3,752.59	3,636.59	3,636.59	26.69	62.51	35.03	-1,599.56	-9,754.48	8,803.71	8,721.63	82.08	107.260		
4,100.00	3,844.08	3,728.08	3,728.08	27.50	64.11	35.18	-1,599.56	-9,754.48	8,769.77	8,685.49	84.27	104.067		
4,200.00	3,935.58	3,819.58	3,819.58	28.32	65.70	35.33	-1,599.56	-9,754.48	8,735.88	8,649.41	86.47	101.033		
4,300.00	4,027.07	3,911.07	3,911.07	29.13	67.30	35.47	-1,599.56	-9,754.48	8,702.04	8,613.38	88.66	98.148		
4,400.00	4,118.57	4,002.57	4,002.57	29.95	68.90	35.62	-1,599.56	-9,754.48	8,668.26	8,577.40	90.86	95.400		
4,500.00	4,210.06	4,105.94	4,094.06	30.76	70.70	35.78	-1,599.56	-9,754.48	8,634.54	8,541.27	93.27	92.573		
4,600.00	4,301.56	4,185.56	4,185.56	31.58	72.09	35.93	-1,599.56	-9,754.48	8,600.88	8,505.61	95.27	90.279		
4,700.00	4,393.05	4,277.05	4,277.05	32.39	73.69	36.08	-1,599.56	-9,754.48	8,567.27	8,469.79	97.48	87.889		
4,800.00	4,484.55	4,368.55	4,368.55	33.21	75.29	36.24	-1,599.56	-9,754.48	8,533.72	8,434.03	99.69	85.604		
4,900.00	4,576.04	4,460.04	4,460.04	34.02	76.88	36.39	-1,599.56	-9,754.48	8,500.23	8,398.33	101.90	83.417		
5,000.00	4,667.54	4,551.54	4,551.54	34.84	78.48	36.55	-1,599.56	-9,754.48	8,466.80	8,362.69	104.12	81.321		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT BEEBE DRAW 14-26 - 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	4,759.03	4,643.03	4,643.03	35.65	80.08	36.71	-1,599.56	-9,754.48	8,433.43	8,327.10	106.33	79.310		
5,200.00	4,850.53	4,734.53	4,734.53	36.47	81.67	36.87	-1,599.56	-9,754.48	8,400.13	8,291.57	108.56	77.381		
5,300.00	4,942.02	4,826.02	4,826.02	37.28	83.27	37.03	-1,599.56	-9,754.48	8,366.88	8,256.10	110.78	75.528		
5,400.00	5,033.51	4,917.51	4,917.51	38.10	84.87	37.19	-1,599.56	-9,754.48	8,333.70	8,220.69	113.00	73.746		
5,500.00	5,125.01	5,009.01	5,009.01	38.92	86.46	37.36	-1,599.56	-9,754.48	8,300.58	8,185.35	115.23	72.033		
5,600.00	5,216.50	5,100.50	5,100.50	39.73	88.06	37.52	-1,599.56	-9,754.48	8,267.53	8,150.06	117.47	70.383		
5,700.00	5,308.00	5,208.00	5,192.00	40.55	89.94	37.69	-1,599.56	-9,754.48	8,234.54	8,114.56	119.98	68.633		
5,800.00	5,399.49	5,283.49	5,283.49	41.36	91.25	37.85	-1,599.56	-9,754.48	8,201.61	8,079.68	121.94	67.261		
5,900.00	5,490.99	5,374.99	5,374.99	42.18	92.85	38.02	-1,599.56	-9,754.48	8,168.76	8,044.58	124.18	65.783		
6,000.00	5,582.48	5,466.48	5,466.48	43.00	94.45	38.19	-1,599.56	-9,754.48	8,135.97	8,009.55	126.42	64.357		
6,100.00	5,673.98	5,557.98	5,557.98	43.81	96.05	38.36	-1,599.56	-9,754.48	8,103.25	7,974.58	128.67	62.979		
6,200.00	5,765.47	5,649.47	5,649.47	44.63	97.64	38.53	-1,599.56	-9,754.48	8,070.59	7,939.68	130.91	61.648		
6,300.00	5,856.97	5,740.97	5,740.97	45.45	99.24	38.71	-1,599.56	-9,754.48	8,038.01	7,904.85	133.17	60.361		
6,400.00	5,948.46	5,832.46	5,832.46	46.26	100.84	38.88	-1,599.56	-9,754.48	8,005.50	7,870.08	135.42	59.116		
6,500.00	6,039.96	5,923.96	5,923.96	47.08	102.43	39.06	-1,599.56	-9,754.48	7,973.06	7,835.38	137.68	57.911		
6,600.00	6,131.45	6,015.45	6,015.45	47.90	104.03	39.24	-1,599.56	-9,754.48	7,940.70	7,800.76	139.94	56.744		
6,700.00	6,222.95	6,106.95	6,106.95	48.71	105.63	39.41	-1,599.56	-9,754.48	7,908.40	7,766.20	142.20	55.614		
6,800.00	6,314.44	6,201.56	6,198.44	49.53	107.28	39.59	-1,599.56	-9,754.48	7,876.18	7,731.66	144.52	54.498		
6,900.00	6,405.93	6,289.93	6,289.93	50.35	108.82	39.78	-1,599.56	-9,754.48	7,844.04	7,697.30	146.74	53.456		
7,000.00	6,497.01	6,381.01	6,381.01	51.18	110.41	34.90	-1,599.56	-9,754.48	7,810.76	7,661.76	149.01	52.419		
7,100.00	6,588.62	6,466.62	6,466.62	52.20	111.90	26.33	-1,599.56	-9,754.48	7,764.65	7,613.47	151.18	51.359		
7,200.00	6,659.25	6,543.25	6,543.25	53.42	113.24	21.42	-1,599.56	-9,754.48	7,703.92	7,550.75	153.17	50.296		
7,300.00	6,724.59	6,608.59	6,608.59	54.84	114.38	18.43	-1,599.56	-9,754.48	7,630.38	7,475.49	154.89	49.262		
7,400.00	6,776.64	6,660.64	6,660.64	56.40	115.29	16.53	-1,599.56	-9,754.48	7,546.25	7,389.97	156.28	48.287		
7,500.00	6,813.82	6,702.18	6,697.82	58.08	116.02	15.28	-1,599.56	-9,754.48	7,454.07	7,296.72	157.35	47.373		
7,600.00	6,835.01	6,719.01	6,719.01	59.82	116.31	14.06	-1,599.56	-9,754.48	7,356.62	7,198.78	157.84	46.607		
7,700.00	6,840.00	6,724.00	6,724.00	61.57	116.40	-90.00	-1,599.56	-9,754.48	7,256.85	7,098.87	157.98	45.934		
7,800.00	6,840.00	6,724.00	6,724.00	63.35	116.40	-90.00	-1,599.56	-9,754.48	7,156.85	6,998.86	157.99	45.298		
7,900.00	6,840.00	6,724.00	6,724.00	65.20	116.40	-90.00	-1,599.56	-9,754.48	7,056.85	6,898.85	158.00	44.663		
8,000.00	6,840.00	6,724.00	6,724.00	67.10	116.40	-90.00	-1,599.56	-9,754.48	6,956.85	6,798.84	158.01	44.027		
8,100.00	6,840.00	6,724.00	6,724.00	69.05	116.40	-90.00	-1,599.56	-9,754.48	6,856.85	6,698.83	158.02	43.392		
8,200.00	6,840.00	6,724.00	6,724.00	71.06	116.40	-90.00	-1,599.56	-9,754.48	6,756.85	6,598.82	158.03	42.756		
8,300.00	6,840.00	6,724.00	6,724.00	73.11	116.40	-90.00	-1,599.56	-9,754.48	6,656.86	6,498.81	158.04	42.120		
8,400.00	6,840.00	6,724.00	6,724.00	75.21	116.40	-90.00	-1,599.56	-9,754.48	6,556.86	6,398.80	158.05	41.485		
8,500.00	6,840.00	6,724.00	6,724.00	77.34	116.40	-90.00	-1,599.56	-9,754.48	6,456.86	6,298.79	158.07	40.849		
8,600.00	6,840.00	6,724.00	6,724.00	79.51	116.40	-90.00	-1,599.56	-9,754.48	6,356.86	6,198.78	158.08	40.213		
8,700.00	6,840.00	6,724.00	6,724.00	81.72	116.40	-90.00	-1,599.56	-9,754.48	6,256.86	6,098.77	158.09	39.578		
8,800.00	6,840.00	6,724.00	6,724.00	83.95	116.40	-90.00	-1,599.56	-9,754.48	6,156.86	5,998.76	158.10	38.942		
8,900.00	6,840.00	6,724.00	6,724.00	86.22	116.40	-90.00	-1,599.56	-9,754.48	6,056.86	5,898.74	158.12	38.307		
9,000.00	6,840.00	6,724.00	6,724.00	88.51	116.40	-90.00	-1,599.56	-9,754.48	5,956.86	5,798.73	158.13	37.671		
9,100.00	6,840.00	6,724.00	6,724.00	90.83	116.40	-90.00	-1,599.56	-9,754.48	5,856.86	5,698.72	158.14	37.036		
9,200.00	6,840.00	6,724.00	6,724.00	93.16	116.40	-90.00	-1,599.56	-9,754.48	5,756.86	5,598.71	158.16	36.400		
9,300.00	6,840.00	6,724.00	6,724.00	95.52	116.40	-90.00	-1,599.56	-9,754.48	5,656.86	5,498.69	158.17	35.765		
9,400.00	6,840.00	6,724.00	6,724.00	97.90	116.40	-90.00	-1,599.56	-9,754.48	5,556.86	5,398.68	158.18	35.129		
9,500.00	6,840.00	6,724.00	6,724.00	100.30	116.40	-90.00	-1,599.56	-9,754.48	5,456.86	5,298.67	158.20	34.494		
9,600.00	6,840.00	6,724.00	6,724.00	102.72	116.40	-90.00	-1,599.56	-9,754.48	5,356.86	5,198.65	158.21	33.859		
9,700.00	6,840.00	6,724.00	6,724.00	105.15	116.40	-90.00	-1,599.56	-9,754.48	5,256.87	5,098.64	158.23	33.224		
9,800.00	6,840.00	6,724.00	6,724.00	107.59	116.40	-90.00	-1,599.56	-9,754.48	5,156.87	4,998.63	158.24	32.589		
9,900.00	6,840.00	6,724.00	6,724.00	110.05	116.40	-90.00	-1,599.56	-9,754.48	5,056.87	4,898.61	158.25	31.954		
10,000.00	6,840.00	6,724.00	6,724.00	112.52	116.40	-90.00	-1,599.56	-9,754.48	4,956.87	4,798.60	158.27	31.319		
10,100.00	6,840.00	6,724.00	6,724.00	115.00	116.40	-90.00	-1,599.56	-9,754.48	4,856.87	4,698.59	158.28	30.685		
10,200.00	6,840.00	6,724.00	6,724.00	117.50	116.40	-90.00	-1,599.56	-9,754.48	4,756.87	4,598.57	158.30	30.050		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT BEEBE DRAW 14-26 - 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		
10,300.00	6,840.00	6,724.00	6,724.00	120.00	116.40	-90.00	-1,599.56	-9,754.48	4,656.87	4,498.56	158.31	29.416		
10,400.00	6,840.00	6,724.00	6,724.00	122.51	116.40	-90.00	-1,599.56	-9,754.48	4,556.87	4,398.55	158.33	28.781		
10,500.00	6,840.00	6,724.00	6,724.00	125.04	116.40	-90.00	-1,599.56	-9,754.48	4,456.87	4,298.53	158.34	28.147		
10,600.00	6,840.00	6,724.00	6,724.00	127.57	116.40	-90.00	-1,599.56	-9,754.48	4,356.88	4,198.52	158.36	27.513		
10,700.00	6,840.00	6,724.00	6,724.00	130.11	116.40	-90.00	-1,599.56	-9,754.48	4,256.88	4,098.51	158.37	26.879		
10,800.00	6,840.00	6,724.00	6,724.00	132.66	116.40	-90.00	-1,599.56	-9,754.48	4,156.88	3,998.49	158.38	26.245		
10,900.00	6,840.00	6,724.00	6,724.00	135.21	116.40	-90.00	-1,599.56	-9,754.48	4,056.88	3,898.48	158.40	25.612		
11,000.00	6,840.00	6,724.00	6,724.00	137.77	116.40	-90.00	-1,599.56	-9,754.48	3,956.88	3,798.47	158.41	24.978		
11,100.00	6,840.00	6,724.00	6,724.00	140.34	116.40	-90.00	-1,599.56	-9,754.48	3,856.88	3,698.46	158.42	24.345		
11,200.00	6,840.00	6,724.00	6,724.00	142.91	116.40	-90.00	-1,599.56	-9,754.48	3,756.89	3,598.45	158.44	23.712		
11,300.00	6,840.00	6,724.00	6,724.00	145.49	116.40	-90.00	-1,599.56	-9,754.48	3,656.89	3,498.44	158.45	23.079		
11,400.00	6,840.00	6,724.00	6,724.00	148.07	116.40	-90.00	-1,599.56	-9,754.48	3,556.89	3,398.43	158.46	22.447		
11,500.00	6,840.00	6,724.00	6,724.00	150.66	116.40	-90.00	-1,599.56	-9,754.48	3,456.89	3,298.42	158.47	21.814		
11,600.00	6,840.00	6,724.00	6,724.00	153.25	116.40	-90.00	-1,599.56	-9,754.48	3,356.89	3,198.41	158.48	21.182		
11,700.00	6,840.00	6,724.00	6,724.00	155.85	116.40	-90.00	-1,599.56	-9,754.48	3,256.90	3,098.41	158.49	20.550		
11,800.00	6,840.00	6,724.00	6,724.00	158.45	116.40	-90.00	-1,599.56	-9,754.48	3,156.90	2,998.40	158.49	19.918		
11,900.00	6,840.00	6,724.00	6,724.00	161.06	116.40	-90.00	-1,599.56	-9,754.48	3,056.90	2,898.40	158.50	19.286		
12,000.00	6,840.00	6,724.00	6,724.00	163.67	116.40	-90.00	-1,599.56	-9,754.48	2,956.91	2,798.40	158.50	18.655		
12,100.00	6,840.00	6,724.00	6,724.00	166.28	116.40	-90.00	-1,599.56	-9,754.48	2,856.91	2,698.40	158.51	18.024		
12,200.00	6,840.00	6,724.00	6,724.00	168.90	116.40	-90.00	-1,599.56	-9,754.48	2,756.91	2,598.40	158.51	17.393		
12,300.00	6,840.00	6,724.00	6,724.00	171.52	116.40	-90.00	-1,599.56	-9,754.48	2,656.92	2,498.41	158.51	16.762		
12,400.00	6,840.00	6,724.00	6,724.00	174.15	116.40	-90.00	-1,599.56	-9,754.48	2,556.92	2,398.42	158.50	16.132		
12,500.00	6,840.00	6,724.00	6,724.00	176.77	116.40	-90.00	-1,599.56	-9,754.48	2,456.92	2,298.43	158.49	15.502		
12,600.00	6,840.00	6,724.00	6,724.00	179.40	116.40	-90.00	-1,599.56	-9,754.48	2,356.93	2,198.44	158.48	14.872		
12,700.00	6,840.00	6,724.00	6,724.00	182.04	116.40	-90.00	-1,599.56	-9,754.48	2,256.93	2,098.46	158.47	14.242		
12,800.00	6,840.00	6,724.00	6,724.00	184.67	116.40	-90.00	-1,599.56	-9,754.48	2,156.94	1,998.49	158.45	13.613		
12,900.00	6,840.00	6,724.00	6,724.00	187.31	116.40	-90.00	-1,599.56	-9,754.48	2,056.94	1,898.52	158.43	12.984		
13,000.00	6,840.00	6,724.00	6,724.00	189.95	116.40	-90.00	-1,599.56	-9,754.48	1,956.95	1,798.55	158.40	12.355		
13,100.00	6,840.00	6,724.00	6,724.00	192.59	116.40	-90.00	-1,599.56	-9,754.48	1,856.96	1,698.60	158.36	11.726		
13,200.00	6,840.00	6,724.00	6,724.00	195.24	116.40	-90.00	-1,599.56	-9,754.48	1,756.97	1,598.65	158.31	11.098		
13,300.00	6,840.00	6,724.00	6,724.00	197.88	116.40	-90.00	-1,599.56	-9,754.48	1,656.98	1,498.72	158.26	10.470		
13,400.00	6,840.00	6,724.00	6,724.00	200.53	116.40	-90.00	-1,599.56	-9,754.48	1,556.99	1,398.79	158.19	9.842		
13,500.00	6,840.00	6,724.00	6,724.00	203.18	116.40	-90.00	-1,599.56	-9,754.48	1,457.00	1,298.88	158.11	9.215		
13,600.00	6,840.00	6,724.00	6,724.00	205.83	116.40	-90.00	-1,599.56	-9,754.48	1,357.01	1,198.99	158.02	8.588		
13,700.00	6,840.00	6,724.00	6,724.00	208.49	116.40	-90.00	-1,599.56	-9,754.48	1,257.03	1,099.13	157.90	7.961		
13,800.00	6,840.00	6,724.00	6,724.00	211.14	116.40	-90.00	-1,599.56	-9,754.48	1,157.04	999.29	157.76	7.334		
13,900.00	6,840.00	6,724.00	6,724.00	213.80	116.40	-90.00	-1,599.56	-9,754.48	1,057.07	899.48	157.58	6.708		
14,000.00	6,840.00	6,724.00	6,724.00	216.46	116.40	-90.00	-1,599.56	-9,754.48	957.09	799.72	157.37	6.082		
14,100.00	6,840.00	6,724.00	6,724.00	219.12	116.40	-90.00	-1,599.56	-9,754.48	857.12	700.02	157.10	5.456		
14,200.00	6,840.00	6,724.00	6,724.00	221.78	116.40	-90.00	-1,599.56	-9,754.48	757.17	600.40	156.76	4.830		
14,300.00	6,840.00	6,724.00	6,724.00	224.45	116.40	-90.00	-1,599.56	-9,754.48	657.22	500.89	156.33	4.204		
14,400.00	6,840.00	6,724.00	6,724.00	227.11	116.40	-90.00	-1,599.56	-9,754.48	557.29	401.53	155.76	3.578		
14,500.00	6,840.00	6,724.00	6,724.00	229.78	116.40	-90.00	-1,599.56	-9,754.48	457.39	302.39	155.00	2.951		
14,600.00	6,840.00	6,724.00	6,724.00	232.45	116.40	-90.00	-1,599.56	-9,754.48	357.56	203.55	154.01	2.322		
14,700.00	6,840.00	6,724.00	6,724.00	235.12	116.40	-90.00	-1,599.56	-9,754.48	257.84	104.94	152.90	1.686		
14,800.00	6,840.00	6,724.00	6,724.00	237.79	116.40	-90.00	-1,599.56	-9,754.48	158.50	4.62	153.87	1.030	Level 2	
14,900.00	6,840.00	6,724.00	6,724.00	240.46	116.40	-90.00	-1,599.56	-9,754.48	61.30	-130.13	191.43	0.320	Level 1	
14,956.82	6,840.00	6,724.00	6,724.00	241.98	116.40	-90.00	-1,599.56	-9,754.48	23.02	-334.06	357.08	0.064	Level 1, CC, ES, SF	
15,000.00	6,840.00	6,724.00	6,724.00	243.13	116.40	-90.00	-1,599.56	-9,754.48	48.94	-206.80	255.74	0.191	Level 1	
15,100.00	6,840.00	6,724.00	6,724.00	245.80	116.40	-90.00	-1,599.56	-9,754.48	145.02	-44.21	189.24	0.766	Level 1	
15,200.00	6,840.00	6,724.00	6,724.00	248.48	116.40	-90.00	-1,599.56	-9,754.48	244.27	67.61	176.66	1.383	Level 3	
15,300.00	6,840.00	6,724.00	6,724.00	251.15	116.40	-90.00	-1,599.56	-9,754.48	343.96	172.23	171.72	2.003		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT BEEBE DRAW 14-26 - 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		
15,400.00	6,840.00	6,724.00	6,724.00	253.83	116.40	-90.00	-1,599.56	-9,754.48	443.78	274.63	169.16	2.624		
15,500.00	6,840.00	6,724.00	6,724.00	256.51	116.40	-90.00	-1,599.56	-9,754.48	543.67	376.06	167.61	3.244		
15,600.00	6,840.00	6,724.00	6,724.00	259.19	116.40	-90.00	-1,599.56	-9,754.48	643.60	477.01	166.59	3.863		
15,700.00	6,840.00	6,724.00	6,724.00	261.87	116.40	-90.00	-1,599.56	-9,754.48	743.54	577.67	165.87	4.483		
15,800.00	6,840.00	6,724.00	6,724.00	264.55	116.40	-90.00	-1,599.56	-9,754.48	843.50	678.15	165.35	5.101		
15,900.00	6,840.00	6,724.00	6,724.00	267.23	116.40	-90.00	-1,599.56	-9,754.48	943.47	778.51	164.95	5.720		
16,000.00	6,840.00	6,724.00	6,724.00	269.91	116.40	-90.00	-1,599.56	-9,754.48	1,043.44	878.79	164.65	6.337		
16,100.00	6,840.00	6,724.00	6,724.00	272.59	116.40	-90.00	-1,599.56	-9,754.48	1,143.42	979.01	164.41	6.955		
16,200.00	6,840.00	6,724.00	6,724.00	275.28	116.40	-90.00	-1,599.56	-9,754.48	1,243.40	1,079.18	164.22	7.571		
16,300.00	6,840.00	6,724.00	6,724.00	277.96	116.40	-90.00	-1,599.56	-9,754.48	1,343.38	1,179.31	164.07	8.188		
16,400.00	6,840.00	6,724.00	6,724.00	280.64	116.40	-90.00	-1,599.56	-9,754.48	1,443.37	1,279.42	163.95	8.804		
16,500.00	6,840.00	6,724.00	6,724.00	283.33	116.40	-90.00	-1,599.56	-9,754.48	1,543.36	1,379.50	163.86	9.419		
16,600.00	6,840.00	6,724.00	6,724.00	286.02	116.40	-90.00	-1,599.56	-9,754.48	1,643.35	1,479.56	163.78	10.034		
16,700.00	6,840.00	6,724.00	6,724.00	288.70	116.40	-90.00	-1,599.56	-9,754.48	1,743.34	1,579.61	163.72	10.648		
16,800.00	6,840.00	6,724.00	6,724.00	291.39	116.40	-90.00	-1,599.56	-9,754.48	1,843.33	1,679.65	163.68	11.262		
16,900.00	6,840.00	6,724.00	6,724.00	294.08	116.40	-90.00	-1,599.56	-9,754.48	1,943.32	1,779.68	163.65	11.875		
17,000.00	6,840.00	6,724.00	6,724.00	296.77	116.40	-90.00	-1,599.56	-9,754.48	2,043.31	1,879.69	163.62	12.488		
17,100.00	6,840.00	6,724.00	6,724.00	299.46	116.40	-90.00	-1,599.56	-9,754.48	2,143.31	1,979.70	163.61	13.100		
17,200.00	6,840.00	6,724.00	6,724.00	302.14	116.40	-90.00	-1,599.56	-9,754.48	2,243.30	2,079.70	163.60	13.712		
17,300.00	6,840.00	6,724.00	6,724.00	304.84	116.40	-90.00	-1,599.56	-9,754.48	2,343.30	2,179.70	163.60	14.323		
17,400.00	6,840.00	6,724.00	6,724.00	307.53	116.40	-90.00	-1,599.56	-9,754.48	2,443.29	2,279.69	163.60	14.934		
17,500.00	6,840.00	6,724.00	6,724.00	310.22	116.40	-90.00	-1,599.56	-9,754.48	2,543.29	2,379.68	163.61	15.545		
17,600.00	6,840.00	6,724.00	6,724.00	312.91	116.40	-90.00	-1,599.56	-9,754.48	2,643.28	2,479.66	163.63	16.154		
17,700.00	6,840.00	6,724.00	6,724.00	315.60	116.40	-90.00	-1,599.56	-9,754.48	2,743.28	2,579.64	163.65	16.764		
17,800.00	6,840.00	6,724.00	6,724.00	318.29	116.40	-90.00	-1,599.56	-9,754.48	2,843.28	2,679.61	163.67	17.372		
17,900.00	6,840.00	6,724.00	6,724.00	320.99	116.40	-90.00	-1,599.56	-9,754.48	2,943.27	2,779.58	163.69	17.980		
18,000.00	6,840.00	6,724.00	6,724.00	323.68	116.40	-90.00	-1,599.56	-9,754.48	3,043.27	2,879.55	163.72	18.588		
18,100.00	6,840.00	6,724.00	6,724.00	326.38	116.40	-90.00	-1,599.56	-9,754.48	3,143.27	2,979.52	163.75	19.195		
18,200.00	6,840.00	6,724.00	6,724.00	329.07	116.40	-90.00	-1,599.56	-9,754.48	3,243.27	3,079.48	163.79	19.802		
18,300.00	6,840.00	6,724.00	6,724.00	331.77	116.40	-90.00	-1,599.56	-9,754.48	3,343.26	3,179.44	163.82	20.408		
18,400.00	6,840.00	6,724.00	6,724.00	334.46	116.40	-90.00	-1,599.56	-9,754.48	3,443.26	3,279.40	163.86	21.013		
18,500.00	6,840.00	6,724.00	6,724.00	337.16	116.40	-90.00	-1,599.56	-9,754.48	3,543.26	3,379.36	163.90	21.618		
18,600.00	6,840.00	6,724.00	6,724.00	339.85	116.40	-90.00	-1,599.56	-9,754.48	3,643.26	3,479.31	163.94	22.223		
18,700.00	6,840.00	6,724.00	6,724.00	342.55	116.40	-90.00	-1,599.56	-9,754.48	3,743.26	3,579.27	163.99	22.826		
18,800.00	6,840.00	6,724.00	6,724.00	345.25	116.40	-90.00	-1,599.56	-9,754.48	3,843.25	3,679.22	164.03	23.430		
18,900.00	6,840.00	6,724.00	6,724.00	347.94	116.40	-90.00	-1,599.56	-9,754.48	3,943.25	3,779.17	164.08	24.032		
19,000.00	6,840.00	6,724.00	6,724.00	350.64	116.40	-90.00	-1,599.56	-9,754.48	4,043.25	3,879.12	164.13	24.634		
19,100.00	6,840.00	6,724.00	6,724.00	353.34	116.40	-90.00	-1,599.56	-9,754.48	4,143.25	3,979.07	164.18	25.236		
19,200.00	6,840.00	6,724.00	6,724.00	356.04	116.40	-90.00	-1,599.56	-9,754.48	4,243.25	4,079.01	164.23	25.837		
19,300.00	6,840.00	6,724.00	6,724.00	358.74	116.40	-90.00	-1,599.56	-9,754.48	4,343.25	4,178.96	164.29	26.437		
19,400.00	6,840.00	6,724.00	6,724.00	361.44	116.40	-90.00	-1,599.56	-9,754.48	4,443.24	4,278.91	164.34	27.037		
19,500.00	6,840.00	6,724.00	6,724.00	364.13	116.40	-90.00	-1,599.56	-9,754.48	4,543.24	4,378.85	164.39	27.636		
19,600.00	6,840.00	6,724.00	6,724.00	366.83	116.40	-90.00	-1,599.56	-9,754.48	4,643.24	4,478.79	164.45	28.235		
19,700.00	6,840.00	6,724.00	6,724.00	369.53	116.40	-90.00	-1,599.56	-9,754.48	4,743.24	4,578.73	164.51	28.833		
19,800.00	6,840.00	6,724.00	6,724.00	372.23	116.40	-90.00	-1,599.56	-9,754.48	4,843.24	4,678.67	164.57	29.430		
19,900.00	6,840.00	6,724.00	6,724.00	374.94	116.40	-90.00	-1,599.56	-9,754.48	4,943.24	4,778.61	164.63	30.027		
20,000.00	6,840.00	6,724.00	6,724.00	377.64	116.40	-90.00	-1,599.56	-9,754.48	5,043.24	4,878.55	164.69	30.623		
20,100.00	6,840.00	6,724.00	6,724.00	380.34	116.40	-90.00	-1,599.56	-9,754.48	5,143.24	4,978.49	164.75	31.219		
20,200.00	6,840.00	6,724.00	6,724.00	383.04	116.40	-90.00	-1,599.56	-9,754.48	5,243.24	5,078.43	164.81	31.814		
20,300.00	6,840.00	6,724.00	6,724.00	385.74	116.40	-90.00	-1,599.56	-9,754.48	5,343.23	5,178.36	164.87	32.408		
20,400.00	6,840.00	6,724.00	6,724.00	388.44	116.40	-90.00	-1,599.56	-9,754.48	5,443.23	5,278.30	164.94	33.002		
20,500.00	6,840.00	6,724.00	6,724.00	391.14	116.40	-90.00	-1,599.56	-9,754.48	5,543.23	5,378.23	165.00	33.595		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT BEEBE DRAW 14-26 - 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	
20,552.28	6,840.00	6,724.00	6,724.00	392.56	116.40	-90.00	-1,599.56	-9,754.48	5,595.51	5,430.47	165.03	33.905	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT BEEBE DRAW R G 26-10 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-90.43	-51.50	-6,919.70	6,920.96					
100.00	100.00	0.00	0.00	0.13	0.00	-90.43	-51.50	-6,919.70	6,919.92	6,919.79	0.13	N/A		
200.00	200.00	94.66	94.66	0.49	0.10	-90.43	-51.34	-6,919.58	6,919.79	6,919.20	0.59	N/A		
300.00	300.00	188.77	188.77	0.85	0.22	-90.42	-50.98	-6,919.39	6,919.59	6,918.52	1.07	6,464.820		
400.00	399.98	280.19	280.19	1.20	0.30	37.66	-50.54	-6,919.31	6,918.11	6,916.61	1.49	4,629.315		
500.00	499.84	372.29	372.28	1.55	0.37	37.74	-50.10	-6,919.33	6,913.99	6,912.09	1.90	3,637.325		
600.00	599.45	489.45	489.45	1.91	0.43	37.88	-49.75	-6,919.33	6,907.10	6,904.79	2.31	2,983.877		
700.00	698.70	586.14	586.14	2.29	0.49	38.06	-49.48	-6,919.17	6,897.30	6,894.56	2.73	2,524.263		
800.00	797.47	674.02	674.02	2.70	0.50	38.29	-49.35	-6,919.11	6,884.88	6,881.75	3.12	2,205.391		
900.00	895.62	775.93	775.93	3.14	0.50	38.58	-49.38	-6,919.14	6,869.85	6,866.33	3.52	1,951.888		
1,000.00	993.06	876.47	876.46	3.62	0.54	38.93	-49.22	-6,919.07	6,852.06	6,848.09	3.97	1,726.243		
1,100.00	1,089.64	970.94	970.93	4.14	0.58	39.32	-48.96	-6,919.00	6,831.64	6,827.20	4.45	1,536.847		
1,200.00	1,185.27	1,065.80	1,065.80	4.70	0.60	39.78	-48.85	-6,918.97	6,808.66	6,803.74	4.92	1,384.585		
1,300.00	1,279.82	1,172.31	1,172.31	5.31	0.61	40.31	-48.92	-6,918.87	6,783.08	6,777.66	5.41	1,252.728		
1,400.00	1,373.17	1,258.50	1,258.49	5.98	0.62	40.87	-48.86	-6,918.68	6,754.89	6,748.95	5.94	1,137.571		
1,500.00	1,465.22	1,329.66	1,329.66	6.70	0.62	41.41	-48.89	-6,918.70	6,724.49	6,718.00	6.49	1,035.849		
1,600.00	1,556.72	1,400.00	1,399.99	7.45	0.63	41.58	-48.76	-6,918.99	6,693.52	6,686.46	7.06	948.303		
1,700.00	1,648.21	1,485.65	1,485.64	8.21	0.66	41.79	-48.51	-6,919.53	6,662.85	6,655.19	7.66	869.930		
1,800.00	1,739.71	1,613.68	1,613.67	8.99	0.67	42.11	-48.49	-6,919.92	6,631.97	6,623.71	8.26	803.198		
1,900.00	1,831.20	1,684.05	1,684.04	9.77	0.68	42.28	-48.53	-6,920.07	6,601.13	6,592.26	8.86	744.780		
2,000.00	1,922.69	1,768.70	1,768.69	10.56	0.70	42.49	-48.51	-6,920.46	6,570.60	6,561.11	9.49	692.344		
2,100.00	2,014.19	1,907.34	1,907.33	11.35	0.72	42.84	-48.65	-6,920.77	6,539.99	6,529.88	10.11	646.886		
2,200.00	2,105.68	1,964.83	1,964.82	12.14	0.72	42.98	-48.81	-6,920.83	6,509.31	6,498.58	10.74	606.217		
2,300.00	2,197.18	2,053.86	2,053.85	12.94	0.74	43.21	-48.90	-6,921.21	6,479.07	6,467.69	11.38	569.283		
2,400.00	2,288.67	2,171.21	2,171.19	13.74	0.76	43.51	-48.87	-6,921.35	6,448.64	6,436.62	12.02	536.436		
2,500.00	2,380.17	2,263.02	2,263.01	14.54	0.76	43.75	-48.70	-6,921.23	6,418.12	6,405.46	12.66	507.129		
2,600.00	2,471.66	2,332.25	2,332.24	15.35	0.76	43.93	-48.77	-6,921.26	6,387.85	6,374.55	13.30	480.199		
2,700.00	2,563.16	2,400.00	2,399.99	16.15	0.77	44.11	-48.71	-6,921.65	6,358.16	6,344.20	13.96	455.504		
2,800.00	2,654.65	2,463.34	2,463.32	16.96	0.79	44.28	-48.60	-6,922.28	6,328.96	6,314.32	14.63	432.478		
2,900.00	2,746.15	2,591.03	2,591.00	17.76	0.83	44.62	-48.50	-6,923.49	6,299.90	6,284.59	15.32	411.247		
3,000.00	2,837.64	2,669.27	2,669.25	18.57	0.86	44.84	-48.33	-6,923.94	6,270.60	6,254.59	16.01	391.781		
3,100.00	2,929.14	2,744.67	2,744.65	19.38	0.88	45.04	-48.02	-6,924.58	6,241.67	6,224.97	16.70	373.830		
3,200.00	3,020.63	2,881.47	2,881.43	20.19	0.92	45.43	-47.30	-6,925.71	6,212.96	6,195.57	17.39	357.330		
3,300.00	3,112.13	3,052.65	3,052.60	21.00	0.94	45.90	-47.37	-6,924.59	6,182.64	6,164.59	18.05	342.564		
3,400.00	3,203.62	3,130.69	3,130.64	21.81	0.96	46.12	-47.61	-6,923.92	6,152.47	6,133.73	18.74	328.318		
3,500.00	3,295.12	3,200.00	3,199.95	22.63	0.97	46.32	-47.79	-6,923.41	6,122.56	6,103.12	19.44	314.989		
3,600.00	3,386.61	3,261.83	3,261.78	23.44	0.97	46.50	-47.86	-6,923.20	6,093.18	6,073.04	20.13	302.674		
3,700.00	3,478.10	3,300.00	3,299.95	24.25	0.97	46.61	-47.82	-6,923.31	6,064.56	6,043.72	20.84	291.025		
3,800.00	3,569.60	3,348.20	3,348.15	25.06	0.98	46.75	-47.75	-6,923.83	6,036.79	6,015.23	21.56	279.981		
3,900.00	3,661.09	3,400.00	3,399.94	25.88	1.00	46.90	-47.70	-6,925.00	6,010.02	5,987.73	22.29	269.666		
4,000.00	3,752.59	3,436.73	3,436.65	26.69	1.01	47.00	-47.66	-6,926.12	5,984.08	5,961.06	23.02	259.964		
4,100.00	3,844.08	3,500.00	3,499.88	27.50	1.03	47.19	-47.56	-6,928.39	5,958.90	5,935.14	23.75	250.869		
4,200.00	3,935.58	3,578.97	3,578.79	28.32	1.05	47.42	-47.38	-6,931.50	5,934.19	5,909.70	24.49	242.302		
4,300.00	4,027.07	3,669.46	3,669.21	29.13	1.08	47.68	-47.17	-6,935.10	5,909.67	5,884.44	25.23	234.208		
4,400.00	4,118.57	3,760.18	3,759.85	29.95	1.10	47.95	-46.94	-6,938.74	5,885.33	5,859.35	25.98	226.545		
4,500.00	4,210.06	3,850.40	3,849.99	30.76	1.13	48.22	-46.70	-6,942.39	5,861.15	5,834.42	26.73	219.280		
4,600.00	4,301.56	3,940.64	3,940.16	31.58	1.16	48.50	-46.45	-6,946.07	5,837.16	5,809.68	27.48	212.384		
4,700.00	4,393.05	4,057.08	4,056.51	32.39	1.19	48.85	-46.01	-6,950.73	5,813.28	5,785.04	28.24	205.842		
4,800.00	4,484.55	4,211.18	4,210.53	33.21	1.24	49.34	-44.71	-6,955.43	5,788.71	5,759.71	29.00	199.606		
4,900.00	4,576.04	4,275.89	4,275.21	34.02	1.26	49.54	-44.02	-6,957.25	5,764.09	5,734.32	29.77	193.605		
5,000.00	4,667.54	4,421.04	4,420.30	34.84	1.30	50.02	-41.79	-6,960.84	5,739.46	5,708.92	30.54	187.932		
5,100.00	4,759.03	4,616.91	4,616.12	35.65	1.36	50.67	-38.70	-6,963.64	5,714.46	5,683.16	31.30	182.589		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT BEEBE DRAW R G 26-10 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,850.53	4,768.90	4,768.11	36.47	1.37	51.18	-38.15	-6,963.36	5,687.57	5,655.55	32.02	177.606		
5,300.00	4,942.02	4,856.21	4,855.41	37.28	1.38	51.47	-38.11	-6,962.65	5,660.22	5,627.44	32.78	172.647		
5,400.00	5,033.51	4,925.89	4,925.09	38.10	1.38	51.70	-37.91	-6,962.30	5,633.34	5,599.78	33.56	167.854		
5,500.00	5,125.01	4,994.12	4,993.32	38.92	1.38	51.93	-37.80	-6,962.26	5,607.00	5,572.66	34.34	163.268		
5,600.00	5,216.50	5,104.85	5,104.05	39.73	1.39	52.30	-37.91	-6,962.31	5,580.89	5,545.78	35.11	158.967		
5,700.00	5,308.00	5,193.07	5,192.27	40.55	1.39	52.61	-37.79	-6,962.17	5,554.80	5,518.91	35.88	154.812		
5,800.00	5,399.49	5,281.85	5,281.05	41.36	1.40	52.92	-37.48	-6,962.02	5,528.92	5,492.25	36.67	150.773		
5,900.00	5,490.99	5,365.92	5,365.12	42.18	1.41	53.21	-37.25	-6,961.96	5,503.29	5,465.82	37.47	146.879		
6,000.00	5,582.48	5,441.71	5,440.90	43.00	1.43	53.48	-36.66	-6,961.97	5,478.02	5,439.74	38.28	143.108		
6,100.00	5,673.98	5,522.02	5,521.21	43.81	1.45	53.77	-35.98	-6,962.26	5,453.24	5,414.15	39.10	139.485		
6,200.00	5,765.47	5,623.50	5,622.69	44.63	1.48	54.13	-35.34	-6,962.48	5,428.49	5,388.58	39.91	136.018		
6,300.00	5,856.97	5,688.37	5,687.56	45.45	1.50	54.37	-34.85	-6,962.78	5,404.18	5,363.44	40.74	132.642		
6,400.00	5,948.46	5,796.92	5,796.09	46.26	1.53	54.78	-33.08	-6,963.21	5,380.22	5,338.65	41.56	129.441		
6,500.00	6,039.96	6,500.00	6,052.73	47.08	1.64	55.78	-27.45	-6,958.94	5,354.65	5,312.30	42.34	126.462		
6,600.00	6,131.45	6,200.00	6,198.93	47.90	1.59	56.37	-25.07	-6,953.20	5,327.13	5,284.03	43.11	123.581		
6,700.00	6,222.95	6,267.60	6,266.48	48.71	1.59	56.64	-24.57	-6,950.68	5,300.02	5,256.07	43.95	120.596		
6,800.00	6,314.44	6,336.03	6,334.88	49.53	1.60	56.91	-24.36	-6,948.57	5,273.54	5,228.75	44.79	117.730		
6,900.00	6,405.93	6,400.00	6,398.82	50.35	1.60	57.16	-24.26	-6,946.85	5,247.62	5,201.97	45.65	114.964		
7,000.00	6,497.01	6,464.49	6,463.29	51.18	1.61	52.70	-24.22	-6,945.46	5,221.17	5,174.66	46.51	112.260		
7,100.00	6,582.62	6,545.54	6,544.34	52.20	1.62	45.67	-24.23	-6,944.22	5,182.69	5,135.25	47.44	109.246		
7,200.00	6,659.25	6,629.73	6,628.51	53.42	1.62	43.32	-24.43	-6,942.66	5,129.54	5,081.10	48.43	105.912		
7,300.00	6,724.59	6,677.26	6,676.03	54.84	1.62	44.07	-24.77	-6,941.96	5,063.81	5,014.33	49.48	102.348		
7,400.00	6,776.64	6,718.76	6,717.53	56.40	1.62	48.17	-25.20	-6,941.53	4,987.50	4,936.98	50.52	98.727		
7,500.00	6,813.82	6,751.75	6,750.51	58.08	1.62	56.94	-25.49	-6,941.19	4,902.77	4,851.24	51.52	95.157		
7,600.00	6,835.01	6,770.11	6,768.87	59.82	1.62	73.05	-25.62	-6,941.01	4,812.12	4,759.66	52.46	91.726		
7,700.00	6,840.00	6,773.73	6,772.49	61.57	1.62	91.99	-25.64	-6,940.97	4,718.28	4,664.97	53.31	88.509		
7,800.00	6,840.00	6,772.81	6,771.58	63.35	1.62	91.96	-25.63	-6,940.98	4,624.06	4,569.91	54.15	85.392		
7,900.00	6,840.00	6,771.89	6,770.66	65.20	1.62	91.93	-25.63	-6,940.99	4,530.09	4,475.06	55.04	82.308		
8,000.00	6,840.00	6,770.98	6,769.74	67.10	1.62	91.89	-25.62	-6,941.00	4,436.39	4,380.42	55.97	79.259		
8,100.00	6,840.00	6,770.06	6,768.83	69.05	1.62	91.86	-25.62	-6,941.01	4,342.96	4,286.01	56.96	76.248		
8,200.00	6,840.00	6,769.15	6,767.91	71.06	1.62	91.83	-25.61	-6,941.02	4,249.84	4,191.84	58.00	73.277		
8,300.00	6,840.00	6,768.23	6,767.00	73.11	1.62	91.79	-25.60	-6,941.03	4,157.03	4,097.94	59.09	70.349		
8,400.00	6,840.00	6,767.32	6,766.08	75.21	1.62	91.76	-25.60	-6,941.04	4,064.57	4,004.32	60.25	67.466		
8,500.00	6,840.00	6,766.40	6,765.17	77.34	1.62	91.73	-25.59	-6,941.05	3,972.47	3,911.00	61.46	64.631		
8,600.00	6,840.00	6,765.49	6,764.25	79.51	1.62	91.69	-25.59	-6,941.06	3,880.76	3,818.01	62.75	61.845		
8,700.00	6,840.00	6,764.57	6,763.34	81.72	1.62	91.66	-25.58	-6,941.07	3,789.47	3,725.36	64.11	59.112		
8,800.00	6,840.00	6,763.66	6,762.42	83.95	1.62	91.63	-25.57	-6,941.07	3,698.63	3,633.09	65.54	56.434		
8,900.00	6,840.00	6,762.74	6,761.51	86.22	1.62	91.59	-25.57	-6,941.08	3,608.27	3,541.22	67.05	53.812		
9,000.00	6,840.00	6,761.83	6,760.60	88.51	1.62	91.56	-25.56	-6,941.09	3,518.44	3,449.79	68.65	51.251		
9,100.00	6,840.00	6,760.92	6,759.68	90.83	1.62	91.53	-25.55	-6,941.10	3,429.17	3,358.83	70.34	48.750		
9,200.00	6,840.00	6,760.00	6,758.77	93.16	1.62	91.49	-25.55	-6,941.11	3,340.50	3,268.38	72.13	46.314		
9,300.00	6,840.00	6,759.09	6,757.86	95.52	1.62	91.46	-25.54	-6,941.12	3,252.50	3,178.48	74.01	43.944		
9,400.00	6,840.00	6,758.18	6,756.94	97.90	1.62	91.43	-25.54	-6,941.13	3,165.20	3,089.19	76.01	41.642		
9,500.00	6,840.00	6,757.26	6,756.03	100.30	1.62	91.39	-25.53	-6,941.14	3,078.68	3,000.56	78.12	39.409		
9,600.00	6,840.00	6,756.35	6,755.12	102.72	1.62	91.36	-25.52	-6,941.15	2,993.00	2,912.65	80.35	37.248		
9,700.00	6,840.00	6,755.44	6,754.21	105.15	1.62	91.33	-25.52	-6,941.16	2,908.23	2,825.52	82.71	35.161		
9,800.00	6,840.00	6,754.53	6,753.29	107.59	1.62	91.29	-25.51	-6,941.17	2,824.46	2,739.25	85.20	33.149		
9,900.00	6,840.00	6,753.62	6,752.38	110.05	1.62	91.26	-25.50	-6,941.18	2,741.78	2,653.94	87.84	31.214		
10,000.00	6,840.00	6,752.70	6,751.47	112.52	1.62	91.23	-25.49	-6,941.18	2,660.28	2,569.66	90.62	29.356		
10,100.00	6,840.00	6,751.79	6,750.56	115.00	1.62	91.19	-25.49	-6,941.19	2,580.09	2,486.53	93.56	27.578		
10,200.00	6,840.00	6,750.88	6,749.65	117.50	1.62	91.16	-25.48	-6,941.20	2,501.32	2,404.67	96.65	25.880		
10,300.00	6,840.00	6,749.97	6,748.74	120.00	1.62	91.13	-25.47	-6,941.21	2,424.12	2,324.21	99.91	24.263		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT BEEBE DRAW R G 26-10 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,840.00	6,749.06	6,747.83	122.51	1.62	91.09	-25.47	-6,941.22	2,348.64	2,245.31	103.33	22.729		
10,500.00	6,840.00	6,748.15	6,746.91	125.04	1.62	91.06	-25.46	-6,941.23	2,275.05	2,168.13	106.92	21.277		
10,600.00	6,840.00	6,747.24	6,746.00	127.57	1.62	91.03	-25.45	-6,941.24	2,203.55	2,092.87	110.68	19.909		
10,700.00	6,840.00	6,746.33	6,745.09	130.11	1.62	90.99	-25.45	-6,941.25	2,134.33	2,019.74	114.59	18.625		
10,800.00	6,840.00	6,745.42	6,744.18	132.66	1.62	90.96	-25.44	-6,941.26	2,067.63	1,948.98	118.66	17.426		
10,900.00	6,840.00	6,744.51	6,743.27	135.21	1.62	90.93	-25.43	-6,941.27	2,003.71	1,880.86	122.85	16.310		
11,000.00	6,840.00	6,743.60	6,742.36	137.77	1.62	90.89	-25.42	-6,941.28	1,942.83	1,815.67	127.16	15.279		
11,100.00	6,840.00	6,742.69	6,741.45	140.34	1.62	90.86	-25.42	-6,941.29	1,885.29	1,753.75	131.54	14.332		
11,200.00	6,840.00	6,741.78	6,740.55	142.91	1.62	90.83	-25.41	-6,941.29	1,831.41	1,695.45	135.96	13.470		
11,300.00	6,840.00	6,740.87	6,739.64	145.49	1.62	90.79	-25.40	-6,941.30	1,781.52	1,641.14	140.38	12.691		
11,400.00	6,840.00	6,739.96	6,738.73	148.07	1.62	90.76	-25.39	-6,941.31	1,735.95	1,591.24	144.72	11.996		
11,500.00	6,840.00	6,739.05	6,737.82	150.66	1.62	90.73	-25.38	-6,941.32	1,695.07	1,546.15	148.92	11.383		
11,600.00	6,840.00	6,738.14	6,736.91	153.25	1.62	90.69	-25.38	-6,941.33	1,659.22	1,506.32	152.90	10.852		
11,700.00	6,840.00	6,737.23	6,736.00	155.85	1.62	90.66	-25.37	-6,941.34	1,628.72	1,472.14	156.58	10.402		
11,800.00	6,840.00	6,736.33	6,735.09	158.45	1.62	90.63	-25.36	-6,941.35	1,603.89	1,444.01	159.87	10.032		
11,900.00	6,840.00	6,735.42	6,734.19	161.06	1.62	90.59	-25.35	-6,941.36	1,584.99	1,422.29	162.70	9.742		
12,000.00	6,840.00	6,734.51	6,733.28	163.67	1.62	90.56	-25.35	-6,941.37	1,572.23	1,407.24	164.98	9.530		
12,100.00	6,840.00	6,733.60	6,732.37	166.28	1.62	90.53	-25.34	-6,941.38	1,565.77	1,399.09	166.68	9.394		
12,151.40	6,840.00	6,733.14	6,731.90	167.63	1.62	90.51	-25.33	-6,941.38	1,564.92	1,397.62	167.30	9.354 CC, ES		
12,200.00	6,840.00	6,732.69	6,731.46	168.90	1.62	90.49	-25.33	-6,941.39	1,565.68	1,397.94	167.73	9.334 SF		
12,300.00	6,840.00	6,731.79	6,730.56	171.52	1.62	90.46	-25.32	-6,941.39	1,571.96	1,403.81	168.15	9.349		
12,400.00	6,840.00	6,730.88	6,729.65	174.15	1.62	90.43	-25.31	-6,941.40	1,584.54	1,416.62	167.93	9.436		
12,500.00	6,840.00	6,729.97	6,728.74	176.77	1.62	90.39	-25.30	-6,941.41	1,603.27	1,436.17	167.10	9.594		
12,600.00	6,840.00	6,729.07	6,727.84	179.40	1.62	90.36	-25.30	-6,941.42	1,627.94	1,462.22	165.73	9.823		
12,700.00	6,840.00	6,728.16	6,726.93	182.04	1.62	90.33	-25.29	-6,941.43	1,658.29	1,494.42	163.87	10.120		
12,800.00	6,840.00	6,727.25	6,726.02	184.67	1.62	90.29	-25.28	-6,941.44	1,694.00	1,532.40	161.59	10.483		
12,900.00	6,840.00	6,726.35	6,725.12	187.31	1.62	90.26	-25.27	-6,941.45	1,734.74	1,575.76	158.98	10.911		
13,000.00	6,840.00	6,725.44	6,724.21	189.95	1.62	90.23	-25.26	-6,941.46	1,780.18	1,624.07	156.11	11.403		
13,100.00	6,840.00	6,724.54	6,723.31	192.59	1.62	90.19	-25.25	-6,941.47	1,829.96	1,676.91	153.05	11.957		
13,200.00	6,840.00	6,723.63	6,722.40	195.24	1.62	90.16	-25.25	-6,941.48	1,883.73	1,733.87	149.86	12.570		
13,300.00	6,840.00	6,722.73	6,721.50	197.88	1.62	90.13	-25.24	-6,941.49	1,941.17	1,794.58	146.59	13.242		
13,400.00	6,840.00	6,721.82	6,720.59	200.53	1.62	90.09	-25.23	-6,941.49	2,001.96	1,858.66	143.30	13.971		
13,500.00	6,840.00	6,720.92	6,719.69	203.18	1.62	90.06	-25.22	-6,941.50	2,065.80	1,925.78	140.02	14.754		
13,600.00	6,840.00	6,720.01	6,718.78	205.83	1.62	90.03	-25.21	-6,941.51	2,132.42	1,995.65	136.78	15.591		
13,700.00	6,840.00	6,719.11	6,717.88	208.49	1.62	90.00	-25.20	-6,941.52	2,201.57	2,067.97	133.60	16.479		
13,800.00	6,840.00	6,718.20	6,716.97	211.14	1.62	89.96	-25.19	-6,941.53	2,273.02	2,142.51	130.51	17.417		
13,900.00	6,840.00	6,717.30	6,716.07	213.80	1.62	89.93	-25.18	-6,941.54	2,346.55	2,219.04	127.51	18.403		
14,000.00	6,840.00	6,716.40	6,715.17	216.46	1.62	89.90	-25.17	-6,941.55	2,421.98	2,297.37	124.61	19.437		
14,100.00	6,840.00	6,715.49	6,714.26	219.12	1.62	89.86	-25.16	-6,941.56	2,499.13	2,377.31	121.82	20.515		
14,200.00	6,840.00	6,714.59	6,713.36	221.78	1.62	89.83	-25.16	-6,941.57	2,577.86	2,458.71	119.15	21.636		
14,300.00	6,840.00	6,713.69	6,712.46	224.45	1.62	89.80	-25.15	-6,941.58	2,658.01	2,541.43	116.58	22.800		
14,400.00	6,840.00	6,712.78	6,711.55	227.11	1.62	89.76	-25.14	-6,941.58	2,739.47	2,625.35	114.13	24.004		
14,500.00	6,840.00	6,711.88	6,710.65	229.78	1.62	89.73	-25.13	-6,941.59	2,822.12	2,710.34	111.78	25.247		
14,600.00	6,840.00	6,710.95	6,710.72	232.45	1.62	90.03	-25.24	-6,941.53	2,905.85	2,796.28	109.57	26.520		
14,700.00	6,840.00	6,710.02	6,710.79	235.12	1.62	89.98	-25.22	-6,941.54	2,990.59	2,883.16	107.44	27.836		
14,800.00	6,840.00	6,710.14	6,710.91	237.79	1.62	89.93	-25.21	-6,941.56	3,076.25	2,970.85	105.40	29.187		
14,900.00	6,840.00	6,710.26	6,711.03	240.46	1.62	89.88	-25.19	-6,941.57	3,162.75	3,059.30	103.45	30.572		
15,000.00	6,840.00	6,710.38	6,711.15	243.13	1.62	89.82	-25.17	-6,941.58	3,250.03	3,148.43	101.60	31.988		
15,100.00	6,840.00	6,710.50	6,711.27	245.80	1.62	89.77	-25.15	-6,941.59	3,338.02	3,238.18	99.84	33.435		
15,200.00	6,840.00	6,710.62	6,711.39	248.48	1.62	89.71	-25.13	-6,941.61	3,426.67	3,328.52	98.15	34.912		
15,300.00	6,840.00	6,710.74	6,711.51	251.15	1.62	89.65	-25.11	-6,941.62	3,515.92	3,419.38	96.55	36.417		
15,400.00	6,840.00	6,710.86	6,711.63	253.83	1.62	89.58	-25.09	-6,941.64	3,605.74	3,510.73	95.02	37.949		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT BEEBE DRAW R G 26-10 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	6,840.00	6,706.12	6,704.89	256.51	1.62	89.52	-25.07	-6,941.65	3,696.09	3,602.53	93.55	39.507		
15,600.00	6,840.00	6,704.28	6,703.05	259.19	1.62	89.45	-25.05	-6,941.67	3,786.91	3,694.75	92.16	41.090		
15,700.00	6,840.00	6,702.36	6,701.13	261.87	1.62	89.38	-25.03	-6,941.69	3,878.19	3,787.36	90.83	42.697		
15,800.00	6,840.00	6,700.37	6,699.14	264.55	1.62	89.31	-25.00	-6,941.71	3,969.89	3,880.33	89.56	44.327		
15,900.00	6,840.00	6,698.29	6,697.06	267.23	1.62	89.23	-24.98	-6,941.73	4,061.98	3,973.64	88.34	45.979		
16,000.00	6,840.00	6,696.12	6,694.89	269.91	1.62	89.15	-24.96	-6,941.75	4,154.44	4,067.25	87.18	47.651		
16,100.00	6,840.00	6,693.86	6,692.63	272.59	1.62	89.07	-24.93	-6,941.78	4,247.23	4,161.16	86.07	49.343		
16,200.00	6,840.00	6,691.49	6,690.27	275.28	1.62	88.98	-24.91	-6,941.80	4,340.35	4,255.33	85.01	51.055		
16,300.00	6,840.00	6,689.02	6,687.79	277.96	1.62	88.89	-24.88	-6,941.83	4,433.76	4,349.76	84.00	52.784		
16,400.00	6,840.00	6,686.43	6,685.20	280.64	1.62	88.80	-24.86	-6,941.86	4,527.46	4,444.43	83.03	54.531		
16,500.00	6,840.00	6,683.71	6,682.49	283.33	1.62	88.70	-24.83	-6,941.89	4,621.42	4,539.32	82.09	56.294		
16,600.00	6,840.00	6,680.86	6,679.64	286.02	1.62	88.60	-24.80	-6,941.92	4,715.62	4,634.42	81.20	58.073		
16,700.00	6,840.00	6,677.87	6,676.65	288.70	1.62	88.49	-24.77	-6,941.96	4,810.06	4,729.72	80.35	59.867		
16,800.00	6,840.00	6,674.72	6,673.50	291.39	1.62	88.37	-24.74	-6,942.00	4,904.72	4,825.20	79.52	61.676		
16,900.00	6,840.00	6,671.41	6,670.18	294.08	1.62	88.25	-24.71	-6,942.04	4,999.59	4,920.85	78.74	63.498		
17,000.00	6,840.00	6,667.91	6,666.68	296.77	1.62	88.12	-24.69	-6,942.08	5,094.65	5,016.67	77.98	65.333		
17,100.00	6,840.00	6,664.21	6,662.99	299.46	1.62	87.99	-24.65	-6,942.13	5,189.90	5,112.65	77.25	67.180		
17,200.00	6,840.00	6,660.30	6,659.08	302.14	1.62	87.84	-24.62	-6,942.19	5,285.32	5,208.77	76.56	69.039		
17,300.00	6,840.00	6,656.16	6,654.93	304.84	1.62	87.69	-24.59	-6,942.25	5,380.91	5,305.03	75.88	70.910		
17,400.00	6,840.00	6,651.76	6,650.53	307.53	1.62	87.53	-24.56	-6,942.31	5,476.65	5,401.41	75.24	72.792		
17,500.00	6,840.00	6,647.08	6,645.86	310.22	1.62	87.36	-24.53	-6,942.38	5,572.54	5,497.93	74.62	74.684		
17,600.00	6,840.00	6,642.09	6,640.87	312.91	1.62	87.18	-24.50	-6,942.46	5,668.58	5,594.56	74.02	76.586		
17,700.00	6,840.00	6,636.77	6,635.55	315.60	1.62	86.99	-24.47	-6,942.55	5,764.74	5,691.30	73.44	78.497		
17,800.00	6,840.00	6,631.07	6,629.85	318.29	1.62	86.78	-24.44	-6,942.64	5,861.03	5,788.15	72.88	80.418		
17,900.00	6,840.00	6,624.96	6,623.74	320.99	1.62	86.55	-24.41	-6,942.75	5,957.45	5,885.10	72.34	82.348		
18,000.00	6,840.00	6,618.39	6,617.17	323.68	1.62	86.32	-24.38	-6,942.86	6,053.98	5,982.15	71.83	84.287		
18,100.00	6,840.00	6,611.30	6,610.08	326.38	1.62	86.06	-24.36	-6,943.00	6,150.61	6,079.29	71.32	86.235		
18,200.00	6,840.00	6,603.63	6,602.41	329.07	1.62	85.78	-24.33	-6,943.14	6,247.35	6,176.51	70.84	88.191		
18,300.00	6,840.00	6,600.00	6,598.79	331.77	1.62	85.65	-24.32	-6,943.22	6,344.19	6,273.81	70.38	90.137		
18,400.00	6,840.00	6,600.00	6,598.79	334.46	1.62	85.65	-24.32	-6,943.22	6,441.13	6,371.17	69.96	92.071		
18,500.00	6,840.00	6,600.00	6,598.79	337.16	1.62	85.65	-24.32	-6,943.22	6,538.15	6,468.61	69.55	94.008		
18,600.00	6,840.00	6,600.00	6,598.79	339.85	1.62	85.65	-24.32	-6,943.22	6,635.27	6,566.12	69.15	95.949		
18,700.00	6,840.00	6,600.00	6,598.79	342.55	1.62	85.65	-24.32	-6,943.22	6,732.47	6,663.70	68.77	97.892		
18,800.00	6,840.00	6,592.01	6,590.79	345.25	1.62	85.36	-24.31	-6,943.37	6,829.75	6,761.36	68.38	99.875		
18,900.00	6,840.00	6,590.61	6,589.40	347.94	1.62	85.30	-24.30	-6,943.40	6,927.10	6,859.08	68.03	101.830		
19,000.00	6,840.00	6,589.23	6,588.02	350.64	1.62	85.25	-24.30	-6,943.43	7,024.53	6,956.85	67.68	103.787		
19,100.00	6,840.00	6,587.86	6,586.65	353.34	1.62	85.20	-24.30	-6,943.46	7,122.03	7,054.68	67.35	105.745		
19,200.00	6,840.00	6,586.50	6,585.29	356.04	1.62	85.16	-24.30	-6,943.48	7,219.60	7,152.57	67.03	107.704		
19,300.00	6,840.00	6,585.16	6,583.94	358.74	1.62	85.11	-24.29	-6,943.51	7,317.24	7,250.51	66.72	109.663		
19,400.00	6,840.00	6,583.82	6,582.61	361.44	1.62	85.06	-24.29	-6,943.53	7,414.93	7,348.51	66.43	111.623		
19,500.00	6,840.00	6,582.50	6,581.29	364.13	1.62	85.01	-24.29	-6,943.56	7,512.69	7,446.55	66.14	113.583		
19,600.00	6,840.00	6,581.19	6,579.98	366.83	1.62	84.96	-24.29	-6,943.58	7,610.51	7,544.64	65.87	115.543		
19,700.00	6,840.00	6,579.89	6,578.68	369.53	1.62	84.92	-24.28	-6,943.61	7,708.38	7,642.78	65.60	117.502		
19,800.00	6,840.00	6,578.61	6,577.40	372.23	1.62	84.87	-24.28	-6,943.63	7,806.30	7,740.96	65.35	119.460		
19,900.00	6,840.00	6,577.33	6,576.12	374.94	1.62	84.82	-24.28	-6,943.66	7,904.28	7,839.18	65.10	121.417		
20,000.00	6,840.00	6,576.07	6,574.86	377.64	1.62	84.78	-24.28	-6,943.68	8,002.31	7,937.44	64.86	123.373		
20,100.00	6,840.00	6,574.82	6,573.61	380.34	1.62	84.73	-24.27	-6,943.70	8,100.38	8,035.75	64.63	125.327		
20,200.00	6,840.00	6,573.58	6,572.37	383.04	1.62	84.69	-24.27	-6,943.72	8,198.50	8,134.09	64.41	127.280		
20,300.00	6,840.00	6,572.35	6,571.14	385.74	1.62	84.64	-24.27	-6,943.75	8,296.67	8,232.46	64.20	129.230		
20,400.00	6,840.00	6,571.13	6,569.92	388.44	1.62	84.60	-24.27	-6,943.77	8,394.87	8,330.88	64.00	131.178		
20,500.00	6,840.00	6,569.92	6,568.71	391.14	1.62	84.55	-24.27	-6,943.79	8,493.12	8,429.32	63.80	133.124		
20,552.28	6,840.00	6,569.29	6,568.08	392.56	1.62	84.53	-24.26	-6,943.80	8,544.50	8,480.80	63.70	134.140		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT SHELTON R G 26-8 - 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	-78.03	1,190.45	-5,613.65	5,739.51					
100.00	100.00	8.00	-8.00	0.13	0.06	-78.03	1,190.45	-5,613.65	5,738.49	5,738.29	0.20	N/A		
200.00	200.00	108.00	92.00	0.49	0.93	-78.03	1,190.45	-5,613.65	5,738.49	5,737.07	1.42	4,047.107		
300.00	300.00	208.00	192.00	0.85	2.67	-78.03	1,190.45	-5,613.65	5,738.49	5,734.97	3.52	1,629.454		
400.00	399.98	308.02	291.98	1.20	4.42	50.06	1,190.45	-5,613.65	5,737.37	5,731.76	5.61	1,022.060		
500.00	499.84	408.16	391.84	1.55	6.16	50.15	1,190.45	-5,613.65	5,734.01	5,726.30	7.71	743.929		
600.00	599.45	508.55	491.45	1.91	7.92	50.30	1,190.45	-5,613.65	5,728.42	5,718.60	9.82	583.357		
700.00	698.70	609.30	590.70	2.29	9.67	50.51	1,190.45	-5,613.65	5,720.62	5,708.67	11.95	478.596		
800.00	797.47	689.47	689.47	2.70	11.07	50.79	1,190.45	-5,613.65	5,710.63	5,696.88	13.74	415.486		
900.00	895.62	787.62	787.62	3.14	12.79	51.13	1,190.45	-5,613.65	5,698.47	5,682.60	15.87	359.045		
1,000.00	993.06	885.06	885.06	3.62	14.49	51.53	1,190.45	-5,613.65	5,684.19	5,666.18	18.01	315.609		
1,100.00	1,089.64	981.64	981.64	4.14	16.17	51.99	1,190.45	-5,613.65	5,667.83	5,647.67	20.16	281.098		
1,200.00	1,185.27	1,077.27	1,077.27	4.70	17.84	52.51	1,190.45	-5,613.65	5,649.43	5,627.10	22.33	252.978		
1,300.00	1,279.82	1,171.82	1,171.82	5.31	19.49	53.10	1,190.45	-5,613.65	5,629.05	5,604.53	24.52	229.595		
1,400.00	1,373.17	1,265.17	1,265.17	5.98	21.12	53.75	1,190.45	-5,613.65	5,606.75	5,580.03	26.72	209.822		
1,500.00	1,465.22	1,357.22	1,357.22	6.70	22.73	54.42	1,190.45	-5,613.65	5,582.61	5,553.66	28.95	192.859		
1,600.00	1,556.72	1,448.72	1,448.72	7.45	24.32	54.73	1,190.45	-5,613.65	5,557.84	5,526.65	31.19	178.220		
1,700.00	1,648.21	1,540.21	1,540.21	8.21	25.92	55.06	1,190.45	-5,613.65	5,533.25	5,499.81	33.44	165.470		
1,800.00	1,739.71	1,631.71	1,631.71	8.99	27.52	55.38	1,190.45	-5,613.65	5,508.85	5,473.14	35.71	154.279		
1,900.00	1,831.20	1,723.20	1,723.20	9.77	29.12	55.71	1,190.45	-5,613.65	5,484.63	5,446.65	37.99	144.389		
2,000.00	1,922.69	1,814.69	1,814.69	10.56	30.71	56.04	1,190.45	-5,613.65	5,460.61	5,420.34	40.27	135.590		
2,100.00	2,014.19	1,906.19	1,906.19	11.35	32.31	56.37	1,190.45	-5,613.65	5,436.78	5,394.21	42.57	127.716		
2,200.00	2,105.68	2,002.32	1,997.68	12.14	33.99	56.70	1,190.45	-5,613.65	5,413.15	5,368.20	44.95	120.415		
2,300.00	2,197.18	2,089.18	2,089.18	12.94	35.50	57.04	1,190.45	-5,613.65	5,389.72	5,342.53	47.18	114.228		
2,400.00	2,288.67	2,180.67	2,180.67	13.74	37.10	57.38	1,190.45	-5,613.65	5,366.48	5,316.98	49.50	108.411		
2,500.00	2,380.17	2,272.17	2,272.17	14.54	38.70	57.72	1,190.45	-5,613.65	5,343.46	5,291.63	51.82	103.106		
2,600.00	2,471.66	2,363.66	2,363.66	15.35	40.29	58.07	1,190.45	-5,613.65	5,320.63	5,266.48	54.15	98.250		
2,700.00	2,563.16	2,455.16	2,455.16	16.15	41.89	58.42	1,190.45	-5,613.65	5,298.02	5,241.53	56.49	93.788		
2,800.00	2,654.65	2,546.65	2,546.65	16.96	43.49	58.77	1,190.45	-5,613.65	5,275.62	5,216.79	58.83	89.677		
2,900.00	2,746.15	2,638.15	2,638.15	17.76	45.08	59.12	1,190.45	-5,613.65	5,253.43	5,192.26	61.17	85.876		
3,000.00	2,837.64	2,729.64	2,729.64	18.57	46.68	59.48	1,190.45	-5,613.65	5,231.46	5,167.94	63.52	82.353		
3,100.00	2,929.14	2,821.14	2,821.14	19.38	48.28	59.84	1,190.45	-5,613.65	5,209.71	5,143.83	65.88	79.079		
3,200.00	3,020.63	2,912.63	2,912.63	20.19	49.88	60.20	1,190.45	-5,613.65	5,188.18	5,119.94	68.24	76.029		
3,300.00	3,112.13	3,004.13	3,004.13	21.00	51.47	60.56	1,190.45	-5,613.65	5,166.88	5,096.28	70.60	73.181		
3,400.00	3,203.62	3,104.38	3,095.62	21.81	53.22	60.93	1,190.45	-5,613.65	5,145.81	5,072.68	73.13	70.369		
3,500.00	3,295.12	3,187.12	3,187.12	22.63	54.67	61.29	1,190.45	-5,613.65	5,124.97	5,049.62	75.35	68.019		
3,600.00	3,386.61	3,278.61	3,278.61	23.44	56.26	61.67	1,190.45	-5,613.65	5,104.36	5,026.64	77.72	65.673		
3,700.00	3,478.10	3,370.10	3,370.10	24.25	57.86	62.04	1,190.45	-5,613.65	5,083.99	5,003.88	80.11	63.466		
3,800.00	3,569.60	3,461.60	3,461.60	25.06	59.46	62.42	1,190.45	-5,613.65	5,063.86	4,981.36	82.49	61.386		
3,900.00	3,661.09	3,553.09	3,553.09	25.88	61.05	62.80	1,190.45	-5,613.65	5,043.97	4,959.09	84.88	59.423		
4,000.00	3,752.59	3,644.59	3,644.59	26.69	62.65	63.18	1,190.45	-5,613.65	5,024.32	4,937.05	87.28	57.568		
4,100.00	3,844.08	3,736.08	3,736.08	27.50	64.25	63.56	1,190.45	-5,613.65	5,004.93	4,915.25	89.67	55.812		
4,200.00	3,935.58	3,827.58	3,827.58	28.32	65.84	63.95	1,190.45	-5,613.65	4,985.78	4,893.71	92.08	54.149		
4,300.00	4,027.07	3,919.07	3,919.07	29.13	67.44	64.34	1,190.45	-5,613.65	4,966.89	4,872.41	94.48	52.570		
4,400.00	4,118.57	4,010.57	4,010.57	29.95	69.04	64.73	1,190.45	-5,613.65	4,948.26	4,851.37	96.89	51.070		
4,500.00	4,210.06	4,102.06	4,102.06	30.76	70.63	65.13	1,190.45	-5,613.65	4,929.89	4,830.58	99.30	49.644		
4,600.00	4,301.56	4,206.44	4,193.56	31.58	72.46	65.52	1,190.45	-5,613.65	4,911.78	4,809.83	101.95	48.180		
4,700.00	4,393.05	4,285.05	4,285.05	32.39	73.83	65.92	1,190.45	-5,613.65	4,893.93	4,789.79	104.14	46.993		
4,800.00	4,484.55	4,376.55	4,376.55	33.21	75.43	66.33	1,190.45	-5,613.65	4,876.36	4,769.79	106.57	45.759		
4,900.00	4,576.04	4,468.04	4,468.04	34.02	77.02	66.73	1,190.45	-5,613.65	4,859.05	4,750.06	108.99	44.582		
5,000.00	4,667.54	4,559.54	4,559.54	34.84	78.62	67.14	1,190.45	-5,613.65	4,842.03	4,730.60	111.42	43.457		
5,100.00	4,759.03	4,651.03	4,651.03	35.65	80.22	67.55	1,190.45	-5,613.65	4,825.27	4,711.42	113.86	42.381		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT SHELTON R G 26-8 - 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	4,850.53	4,742.53	4,742.53	36.47	81.81	67.96	1,190.45	-5,613.65	4,808.80	4,692.51	116.29	41.351		
5,300.00	4,942.02	4,834.02	4,834.02	37.28	83.41	68.37	1,190.45	-5,613.65	4,792.61	4,673.88	118.73	40.365		
5,400.00	5,033.51	4,925.51	4,925.51	38.10	85.01	68.79	1,190.45	-5,613.65	4,776.71	4,655.54	121.17	39.421		
5,500.00	5,125.01	5,017.01	5,017.01	38.92	86.60	69.21	1,190.45	-5,613.65	4,761.10	4,637.48	123.62	38.515		
5,600.00	5,216.50	5,108.50	5,108.50	39.73	88.20	69.63	1,190.45	-5,613.65	4,745.78	4,619.71	126.07	37.645		
5,700.00	5,308.00	5,200.00	5,200.00	40.55	89.80	70.06	1,190.45	-5,613.65	4,730.75	4,602.23	128.52	36.811		
5,800.00	5,399.49	5,308.51	5,291.49	41.36	91.69	70.48	1,190.45	-5,613.65	4,716.02	4,584.76	131.26	35.928		
5,900.00	5,490.99	5,382.99	5,382.99	42.18	92.99	70.91	1,190.45	-5,613.65	4,701.59	4,568.17	133.42	35.238		
6,000.00	5,582.48	5,474.48	5,474.48	43.00	94.59	71.34	1,190.45	-5,613.65	4,687.47	4,551.59	135.88	34.497		
6,100.00	5,673.98	5,565.98	5,565.98	43.81	96.18	71.77	1,190.45	-5,613.65	4,673.65	4,535.31	138.34	33.784		
6,200.00	5,765.47	5,657.47	5,657.47	44.63	97.78	72.21	1,190.45	-5,613.65	4,660.13	4,519.34	140.80	33.098		
6,300.00	5,856.97	5,748.97	5,748.97	45.45	99.38	72.65	1,190.45	-5,613.65	4,646.93	4,503.67	143.26	32.437		
6,400.00	5,948.46	5,840.46	5,840.46	46.26	100.98	73.09	1,190.45	-5,613.65	4,634.05	4,488.32	145.73	31.800		
6,500.00	6,039.96	5,931.96	5,931.96	47.08	102.57	73.53	1,190.45	-5,613.65	4,621.48	4,473.29	148.19	31.186		
6,600.00	6,131.45	6,023.45	6,023.45	47.90	104.17	73.97	1,190.45	-5,613.65	4,609.23	4,458.57	150.66	30.594		
6,700.00	6,222.95	6,114.95	6,114.95	48.71	105.77	74.42	1,190.45	-5,613.65	4,597.30	4,444.17	153.13	30.023		
6,800.00	6,314.44	6,206.44	6,206.44	49.53	107.36	74.86	1,190.45	-5,613.65	4,585.69	4,430.10	155.59	29.472		
6,900.00	6,405.93	6,302.07	6,297.93	50.35	109.03	75.31	1,190.45	-5,613.65	4,574.41	4,416.28	158.14	28.927		
7,000.00	6,497.01	6,389.01	6,389.01	51.18	110.55	71.04	1,190.45	-5,613.65	4,562.42	4,401.88	160.54	28.419		
7,100.00	6,582.62	6,474.62	6,474.62	52.20	112.04	64.27	1,190.45	-5,613.65	4,539.51	4,376.43	163.08	27.836		
7,200.00	6,659.25	6,551.25	6,551.25	53.42	113.38	62.26	1,190.45	-5,613.65	4,503.89	4,338.25	165.63	27.192		
7,300.00	6,724.59	6,616.59	6,616.59	54.84	114.52	63.44	1,190.45	-5,613.65	4,456.86	4,288.73	168.13	26.508		
7,400.00	6,776.64	6,668.64	6,668.64	56.40	115.43	67.24	1,190.45	-5,613.65	4,400.06	4,229.55	170.51	25.805		
7,500.00	6,813.82	6,705.82	6,705.82	58.08	116.08	73.49	1,190.45	-5,613.65	4,335.38	4,162.67	172.71	25.103		
7,600.00	6,835.01	6,727.01	6,727.01	59.82	116.45	82.06	1,190.45	-5,613.65	4,264.86	4,090.21	174.65	24.420		
7,700.00	6,840.00	6,732.00	6,732.00	61.57	116.54	90.00	1,190.45	-5,613.65	4,190.73	4,014.43	176.29	23.771		
7,800.00	6,840.00	6,732.00	6,732.00	63.35	116.54	90.00	1,190.45	-5,613.65	4,116.59	3,938.70	177.89	23.142		
7,900.00	6,840.00	6,732.00	6,732.00	65.20	116.54	90.00	1,190.45	-5,613.65	4,043.56	3,864.00	179.55	22.520		
8,000.00	6,840.00	6,732.00	6,732.00	67.10	116.54	90.00	1,190.45	-5,613.65	3,971.70	3,790.41	181.30	21.907		
8,100.00	6,840.00	6,732.00	6,732.00	69.05	116.54	90.00	1,190.45	-5,613.65	3,901.09	3,717.98	183.11	21.304		
8,200.00	6,840.00	6,732.00	6,732.00	71.06	116.54	90.00	1,190.45	-5,613.65	3,831.79	3,646.78	185.01	20.712		
8,300.00	6,840.00	6,732.00	6,732.00	73.11	116.54	90.00	1,190.45	-5,613.65	3,763.87	3,576.89	186.98	20.130		
8,400.00	6,840.00	6,732.00	6,732.00	75.21	116.54	90.00	1,190.45	-5,613.65	3,697.40	3,508.38	189.02	19.561		
8,500.00	6,840.00	6,732.00	6,732.00	77.34	116.54	90.00	1,190.45	-5,613.65	3,632.47	3,441.33	191.14	19.004		
8,600.00	6,840.00	6,732.00	6,732.00	79.51	116.54	90.00	1,190.45	-5,613.65	3,569.16	3,375.83	193.33	18.462		
8,700.00	6,840.00	6,732.00	6,732.00	81.72	116.54	90.00	1,190.45	-5,613.65	3,507.56	3,311.97	195.59	17.933		
8,800.00	6,840.00	6,732.00	6,732.00	83.95	116.54	90.00	1,190.45	-5,613.65	3,447.76	3,249.85	197.92	17.420		
8,900.00	6,840.00	6,732.00	6,732.00	86.22	116.54	90.00	1,190.45	-5,613.65	3,389.86	3,189.55	200.31	16.923		
9,000.00	6,840.00	6,732.00	6,732.00	88.51	116.54	90.00	1,190.45	-5,613.65	3,333.95	3,131.19	202.77	16.442		
9,100.00	6,840.00	6,732.00	6,732.00	90.83	116.54	90.00	1,190.45	-5,613.65	3,280.14	3,074.87	205.27	15.979		
9,200.00	6,840.00	6,732.00	6,732.00	93.16	116.54	90.00	1,190.45	-5,613.65	3,228.53	3,020.70	207.83	15.534		
9,300.00	6,840.00	6,732.00	6,732.00	95.52	116.54	90.00	1,190.45	-5,613.65	3,179.23	2,968.80	210.43	15.108		
9,400.00	6,840.00	6,732.00	6,732.00	97.90	116.54	90.00	1,190.45	-5,613.65	3,132.34	2,919.28	213.06	14.702		
9,500.00	6,840.00	6,732.00	6,732.00	100.30	116.54	90.00	1,190.45	-5,613.65	3,087.98	2,872.27	215.72	14.315		
9,600.00	6,840.00	6,732.00	6,732.00	102.72	116.54	90.00	1,190.45	-5,613.65	3,046.26	2,827.88	218.39	13.949		
9,700.00	6,840.00	6,732.00	6,732.00	105.15	116.54	90.00	1,190.45	-5,613.65	3,007.29	2,786.23	221.06	13.604		
9,800.00	6,840.00	6,732.00	6,732.00	107.59	116.54	90.00	1,190.45	-5,613.65	2,971.18	2,747.45	223.72	13.281		
9,900.00	6,840.00	6,732.00	6,732.00	110.05	116.54	90.00	1,190.45	-5,613.65	2,938.02	2,711.65	226.37	12.979		
10,000.00	6,840.00	6,732.00	6,732.00	112.52	116.54	90.00	1,190.45	-5,613.65	2,907.93	2,678.96	228.97	12.700		
10,100.00	6,840.00	6,732.00	6,732.00	115.00	116.54	90.00	1,190.45	-5,613.65	2,880.99	2,649.47	231.53	12.443		
10,200.00	6,840.00	6,732.00	6,732.00	117.50	116.54	90.00	1,190.45	-5,613.65	2,857.31	2,623.29	234.02	12.210		
10,300.00	6,840.00	6,732.00	6,732.00	120.00	116.54	90.00	1,190.45	-5,613.65	2,836.95	2,600.52	236.44	11.999		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT SHELTON R G 26-8 - 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		
10,400.00	6,840.00	6,732.00	6,732.00	122.51	116.54	90.00	1,190.45	-5,613.65	2,819.99	2,581.24	238.76	11.811		
10,500.00	6,840.00	6,732.00	6,732.00	125.04	116.54	90.00	1,190.45	-5,613.65	2,806.50	2,565.53	240.97	11.647		
10,600.00	6,840.00	6,732.00	6,732.00	127.57	116.54	90.00	1,190.45	-5,613.65	2,796.52	2,553.45	243.07	11.505		
10,700.00	6,840.00	6,732.00	6,732.00	130.11	116.54	90.00	1,190.45	-5,613.65	2,790.09	2,545.06	245.03	11.387		
10,800.00	6,840.00	6,732.00	6,732.00	132.66	116.54	90.00	1,190.45	-5,613.65	2,787.24	2,540.38	246.86	11.291		
10,829.60	6,840.00	6,732.00	6,732.00	133.41	116.54	90.00	1,190.45	-5,613.65	2,787.08	2,539.71	247.37	11.267	CC	
10,900.00	6,840.00	6,732.00	6,732.00	135.21	116.54	90.00	1,190.45	-5,613.65	2,787.97	2,539.43	248.54	11.218	ES	
11,000.00	6,840.00	6,732.00	6,732.00	137.77	116.54	90.00	1,190.45	-5,613.65	2,792.28	2,542.23	250.06	11.167		
11,100.00	6,840.00	6,732.00	6,732.00	140.34	116.54	90.00	1,190.45	-5,613.65	2,800.17	2,548.75	251.42	11.138		
11,200.00	6,840.00	6,732.00	6,732.00	142.91	116.54	90.00	1,190.45	-5,613.65	2,811.59	2,558.97	252.61	11.130	SF	
11,300.00	6,840.00	6,732.00	6,732.00	145.49	116.54	90.00	1,190.45	-5,613.65	2,826.50	2,572.86	253.64	11.144		
11,400.00	6,840.00	6,732.00	6,732.00	148.07	116.54	90.00	1,190.45	-5,613.65	2,844.85	2,590.34	254.51	11.178		
11,500.00	6,840.00	6,732.00	6,732.00	150.66	116.54	90.00	1,190.45	-5,613.65	2,866.58	2,611.36	255.22	11.232		
11,600.00	6,840.00	6,732.00	6,732.00	153.25	116.54	90.00	1,190.45	-5,613.65	2,891.60	2,635.83	255.77	11.306		
11,700.00	6,840.00	6,732.00	6,732.00	155.85	116.54	90.00	1,190.45	-5,613.65	2,919.83	2,663.67	256.17	11.398		
11,800.00	6,840.00	6,732.00	6,732.00	158.45	116.54	90.00	1,190.45	-5,613.65	2,951.19	2,694.77	256.42	11.509		
11,900.00	6,840.00	6,732.00	6,732.00	161.06	116.54	90.00	1,190.45	-5,613.65	2,985.56	2,729.02	256.54	11.638		
12,000.00	6,840.00	6,732.00	6,732.00	163.67	116.54	90.00	1,190.45	-5,613.65	3,022.86	2,766.32	256.53	11.783		
12,100.00	6,840.00	6,732.00	6,732.00	166.28	116.54	90.00	1,190.45	-5,613.65	3,062.96	2,806.55	256.41	11.946		
12,200.00	6,840.00	6,732.00	6,732.00	168.90	116.54	90.00	1,190.45	-5,613.65	3,105.77	2,849.60	256.18	12.124		
12,300.00	6,840.00	6,732.00	6,732.00	171.52	116.54	90.00	1,190.45	-5,613.65	3,151.17	2,895.33	255.84	12.317		
12,400.00	6,840.00	6,732.00	6,732.00	174.15	116.54	90.00	1,190.45	-5,613.65	3,199.06	2,943.64	255.42	12.525		
12,500.00	6,840.00	6,732.00	6,732.00	176.77	116.54	90.00	1,190.45	-5,613.65	3,249.32	2,994.40	254.92	12.746		
12,600.00	6,840.00	6,732.00	6,732.00	179.40	116.54	90.00	1,190.45	-5,613.65	3,301.84	3,047.49	254.35	12.981		
12,700.00	6,840.00	6,732.00	6,732.00	182.04	116.54	90.00	1,190.45	-5,613.65	3,356.52	3,102.80	253.72	13.229		
12,800.00	6,840.00	6,732.00	6,732.00	184.67	116.54	90.00	1,190.45	-5,613.65	3,413.25	3,160.22	253.03	13.490		
12,900.00	6,840.00	6,732.00	6,732.00	187.31	116.54	90.00	1,190.45	-5,613.65	3,471.94	3,219.65	252.30	13.761		
13,000.00	6,840.00	6,732.00	6,732.00	189.95	116.54	90.00	1,190.45	-5,613.65	3,532.49	3,280.96	251.52	14.044		
13,100.00	6,840.00	6,732.00	6,732.00	192.59	116.54	90.00	1,190.45	-5,613.65	3,594.79	3,344.08	250.72	14.338		
13,200.00	6,840.00	6,732.00	6,732.00	195.24	116.54	90.00	1,190.45	-5,613.65	3,658.77	3,408.89	249.88	14.642		
13,300.00	6,840.00	6,732.00	6,732.00	197.88	116.54	90.00	1,190.45	-5,613.65	3,724.34	3,475.31	249.03	14.955		
13,400.00	6,840.00	6,732.00	6,732.00	200.53	116.54	90.00	1,190.45	-5,613.65	3,791.41	3,543.25	248.16	15.278		
13,500.00	6,840.00	6,732.00	6,732.00	203.18	116.54	90.00	1,190.45	-5,613.65	3,859.91	3,612.63	247.28	15.610		
13,600.00	6,840.00	6,732.00	6,732.00	205.83	116.54	90.00	1,190.45	-5,613.65	3,929.75	3,683.37	246.38	15.950		
13,700.00	6,840.00	6,732.00	6,732.00	208.49	116.54	90.00	1,190.45	-5,613.65	4,000.88	3,755.39	245.49	16.298		
13,800.00	6,840.00	6,732.00	6,732.00	211.14	116.54	90.00	1,190.45	-5,613.65	4,073.22	3,828.63	244.59	16.653		
13,900.00	6,840.00	6,732.00	6,732.00	213.80	116.54	90.00	1,190.45	-5,613.65	4,146.71	3,903.01	243.70	17.016		
14,000.00	6,840.00	6,732.00	6,732.00	216.46	116.54	90.00	1,190.45	-5,613.65	4,221.29	3,978.48	242.80	17.386		
14,100.00	6,840.00	6,732.00	6,732.00	219.12	116.54	90.00	1,190.45	-5,613.65	4,296.90	4,054.98	241.92	17.762		
14,200.00	6,840.00	6,732.00	6,732.00	221.78	116.54	90.00	1,190.45	-5,613.65	4,373.49	4,132.45	241.04	18.144		
14,300.00	6,840.00	6,732.00	6,732.00	224.45	116.54	90.00	1,190.45	-5,613.65	4,451.01	4,210.84	240.17	18.533		
14,400.00	6,840.00	6,732.00	6,732.00	227.11	116.54	90.00	1,190.45	-5,613.65	4,529.41	4,290.11	239.31	18.927		
14,500.00	6,840.00	6,732.00	6,732.00	229.78	116.54	90.00	1,190.45	-5,613.65	4,608.65	4,370.19	238.46	19.327		
14,600.00	6,840.00	6,732.00	6,732.00	232.45	116.54	90.00	1,190.45	-5,613.65	4,688.68	4,451.06	237.62	19.732		
14,700.00	6,840.00	6,732.00	6,732.00	235.12	116.54	90.00	1,190.45	-5,613.65	4,769.47	4,532.67	236.80	20.141		
14,800.00	6,840.00	6,732.00	6,732.00	237.79	116.54	90.00	1,190.45	-5,613.65	4,850.97	4,614.98	235.99	20.556		
14,900.00	6,840.00	6,732.00	6,732.00	240.46	116.54	90.00	1,190.45	-5,613.65	4,933.15	4,697.96	235.19	20.975		
15,000.00	6,840.00	6,732.00	6,732.00	243.13	116.54	90.00	1,190.45	-5,613.65	5,015.98	4,781.57	234.41	21.398		
15,100.00	6,840.00	6,732.00	6,732.00	245.80	116.54	90.00	1,190.45	-5,613.65	5,099.43	4,865.78	233.65	21.825		
15,200.00	6,840.00	6,732.00	6,732.00	248.48	116.54	90.00	1,190.45	-5,613.65	5,183.46	4,950.56	232.89	22.257		
15,300.00	6,840.00	6,732.00	6,732.00	251.15	116.54	90.00	1,190.45	-5,613.65	5,268.05	5,035.89	232.16	22.692		
15,400.00	6,840.00	6,732.00	6,732.00	253.83	116.54	90.00	1,190.45	-5,613.65	5,353.17	5,121.73	231.44	23.130		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT SHELTON R G 26-8 - 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		
15,500.00	6,840.00	6,732.00	6,732.00	256.51	116.54	90.00	1,190.45	-5,613.65	5,438.79	5,208.06	230.73	23.572		
15,600.00	6,840.00	6,732.00	6,732.00	259.19	116.54	90.00	1,190.45	-5,613.65	5,524.90	5,294.86	230.04	24.017		
15,700.00	6,840.00	6,732.00	6,732.00	261.87	116.54	90.00	1,190.45	-5,613.65	5,611.47	5,382.11	229.36	24.466		
15,800.00	6,840.00	6,732.00	6,732.00	264.55	116.54	90.00	1,190.45	-5,613.65	5,698.48	5,469.78	228.70	24.917		
15,900.00	6,840.00	6,732.00	6,732.00	267.23	116.54	90.00	1,190.45	-5,613.65	5,785.91	5,557.86	228.05	25.371		
16,000.00	6,840.00	6,732.00	6,732.00	269.91	116.54	90.00	1,190.45	-5,613.65	5,873.75	5,646.32	227.42	25.827		
16,100.00	6,840.00	6,732.00	6,732.00	272.59	116.54	90.00	1,190.45	-5,613.65	5,961.96	5,735.16	226.80	26.287		
16,200.00	6,840.00	6,732.00	6,732.00	275.28	116.54	90.00	1,190.45	-5,613.65	6,050.54	5,824.34	226.20	26.749		
16,300.00	6,840.00	6,732.00	6,732.00	277.96	116.54	90.00	1,190.45	-5,613.65	6,139.47	5,913.86	225.61	27.213		
16,400.00	6,840.00	6,732.00	6,732.00	280.64	116.54	90.00	1,190.45	-5,613.65	6,228.74	6,003.71	225.03	27.679		
16,500.00	6,840.00	6,732.00	6,732.00	283.33	116.54	90.00	1,190.45	-5,613.65	6,318.33	6,093.86	224.47	28.148		
16,600.00	6,840.00	6,732.00	6,732.00	286.02	116.54	90.00	1,190.45	-5,613.65	6,408.23	6,184.31	223.92	28.618		
16,700.00	6,840.00	6,732.00	6,732.00	288.70	116.54	90.00	1,190.45	-5,613.65	6,498.42	6,275.04	223.38	29.091		
16,800.00	6,840.00	6,732.00	6,732.00	291.39	116.54	90.00	1,190.45	-5,613.65	6,588.89	6,366.04	222.86	29.565		
16,900.00	6,840.00	6,732.00	6,732.00	294.08	116.54	90.00	1,190.45	-5,613.65	6,679.64	6,457.30	222.35	30.042		
17,000.00	6,840.00	6,732.00	6,732.00	296.77	116.54	90.00	1,190.45	-5,613.65	6,770.65	6,548.80	221.85	30.520		
17,100.00	6,840.00	6,732.00	6,732.00	299.46	116.54	90.00	1,190.45	-5,613.65	6,861.91	6,640.55	221.36	30.999		
17,200.00	6,840.00	6,732.00	6,732.00	302.14	116.54	90.00	1,190.45	-5,613.65	6,953.41	6,732.53	220.88	31.481		
17,300.00	6,840.00	6,732.00	6,732.00	304.84	116.54	90.00	1,190.45	-5,613.65	7,045.14	6,824.72	220.41	31.963		
17,400.00	6,840.00	6,732.00	6,732.00	307.53	116.54	90.00	1,190.45	-5,613.65	7,137.09	6,917.13	219.96	32.447		
17,500.00	6,840.00	6,732.00	6,732.00	310.22	116.54	90.00	1,190.45	-5,613.65	7,229.25	7,009.74	219.51	32.933		
17,600.00	6,840.00	6,732.00	6,732.00	312.91	116.54	90.00	1,190.45	-5,613.65	7,321.62	7,102.54	219.08	33.420		
17,700.00	6,840.00	6,732.00	6,732.00	315.60	116.54	90.00	1,190.45	-5,613.65	7,414.19	7,195.54	218.66	33.908		
17,800.00	6,840.00	6,732.00	6,732.00	318.29	116.54	90.00	1,190.45	-5,613.65	7,506.95	7,288.71	218.24	34.397		
17,900.00	6,840.00	6,732.00	6,732.00	320.99	116.54	90.00	1,190.45	-5,613.65	7,599.90	7,382.06	217.84	34.888		
18,000.00	6,840.00	6,732.00	6,732.00	323.68	116.54	90.00	1,190.45	-5,613.65	7,693.02	7,475.57	217.44	35.380		
18,100.00	6,840.00	6,732.00	6,732.00	326.38	116.54	90.00	1,190.45	-5,613.65	7,786.31	7,569.25	217.06	35.872		
18,200.00	6,840.00	6,732.00	6,732.00	329.07	116.54	90.00	1,190.45	-5,613.65	7,879.76	7,663.08	216.68	36.366		
18,300.00	6,840.00	6,732.00	6,732.00	331.77	116.54	90.00	1,190.45	-5,613.65	7,973.38	7,757.06	216.31	36.861		
18,400.00	6,840.00	6,732.00	6,732.00	334.46	116.54	90.00	1,190.45	-5,613.65	8,067.14	7,851.19	215.95	37.356		
18,500.00	6,840.00	6,732.00	6,732.00	337.16	116.54	90.00	1,190.45	-5,613.65	8,161.06	7,945.46	215.60	37.853		
18,600.00	6,840.00	6,732.00	6,732.00	339.85	116.54	90.00	1,190.45	-5,613.65	8,255.12	8,039.86	215.26	38.350		
18,700.00	6,840.00	6,732.00	6,732.00	342.55	116.54	90.00	1,190.45	-5,613.65	8,349.31	8,134.39	214.92	38.848		
18,800.00	6,840.00	6,732.00	6,732.00	345.25	116.54	90.00	1,190.45	-5,613.65	8,443.64	8,229.05	214.60	39.347		
18,900.00	6,840.00	6,732.00	6,732.00	347.94	116.54	90.00	1,190.45	-5,613.65	8,538.10	8,323.83	214.28	39.846		
19,000.00	6,840.00	6,732.00	6,732.00	350.64	116.54	90.00	1,190.45	-5,613.65	8,632.69	8,418.72	213.96	40.347		
19,100.00	6,840.00	6,732.00	6,732.00	353.34	116.54	90.00	1,190.45	-5,613.65	8,727.39	8,513.73	213.66	40.847		
19,200.00	6,840.00	6,732.00	6,732.00	356.04	116.54	90.00	1,190.45	-5,613.65	8,822.21	8,608.85	213.36	41.349		
19,300.00	6,840.00	6,732.00	6,732.00	358.74	116.54	90.00	1,190.45	-5,613.65	8,917.15	8,704.08	213.07	41.851		
19,400.00	6,840.00	6,732.00	6,732.00	361.44	116.54	90.00	1,190.45	-5,613.65	9,012.19	8,799.41	212.78	42.354		
19,500.00	6,840.00	6,732.00	6,732.00	364.13	116.54	90.00	1,190.45	-5,613.65	9,107.34	8,894.84	212.51	42.857		
19,600.00	6,840.00	6,732.00	6,732.00	366.83	116.54	90.00	1,190.45	-5,613.65	9,202.60	8,990.36	212.23	43.361		
19,700.00	6,840.00	6,732.00	6,732.00	369.53	116.54	90.00	1,190.45	-5,613.65	9,297.95	9,085.98	211.97	43.865		
19,800.00	6,840.00	6,732.00	6,732.00	372.23	116.54	90.00	1,190.45	-5,613.65	9,393.40	9,181.69	211.71	44.369		
19,900.00	6,840.00	6,732.00	6,732.00	374.94	116.54	90.00	1,190.45	-5,613.65	9,488.94	9,277.49	211.45	44.875		
20,000.00	6,840.00	6,732.00	6,732.00	377.64	116.54	90.00	1,190.45	-5,613.65	9,584.58	9,373.37	211.21	45.380		
20,100.00	6,840.00	6,732.00	6,732.00	380.34	116.54	90.00	1,190.45	-5,613.65	9,680.30	9,469.33	210.96	45.886		
20,200.00	6,840.00	6,732.00	6,732.00	383.04	116.54	90.00	1,190.45	-5,613.65	9,776.11	9,565.38	210.73	46.392		
20,300.00	6,840.00	6,732.00	6,732.00	385.74	116.54	90.00	1,190.45	-5,613.65	9,872.00	9,661.50	210.50	46.899		
20,400.00	6,840.00	6,732.00	6,732.00	388.44	116.54	90.00	1,190.45	-5,613.65	9,967.97	9,757.70	210.27	47.406		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT SHELTON RG 26-7 - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-80.57	1,154.36	-6,952.84	7,049.12					
100.00	100.00	0.00	0.00	0.13	0.00	-80.57	1,154.36	-6,952.84	7,048.06	7,047.92	0.13	N/A		
125.00	125.00	0.00	0.00	0.22	0.00	-80.57	1,154.36	-6,952.84	7,048.01	7,047.79	0.22	N/A		
200.00	200.00	55.09	55.09	0.49	0.05	-80.57	1,154.42	-6,952.91	7,048.12	7,047.58	0.54	N/A		
300.00	300.00	130.89	130.89	0.85	0.14	-80.57	1,154.70	-6,953.22	7,048.58	7,047.60	0.99	7,138.033		
400.00	399.98	211.02	211.01	1.20	0.24	47.50	1,155.09	-6,953.78	7,048.18	7,046.74	1.44	4,899.014		
500.00	499.84	295.21	295.20	1.55	0.32	47.56	1,155.68	-6,954.55	7,045.66	7,043.80	1.86	3,795.163		
600.00	599.45	395.90	395.88	1.91	0.39	47.69	1,156.42	-6,955.58	7,040.90	7,038.62	2.29	3,079.807		
700.00	698.70	471.36	471.33	2.29	0.44	47.85	1,156.89	-6,956.48	7,033.96	7,031.25	2.71	2,599.392		
800.00	797.47	561.13	561.09	2.70	0.49	48.08	1,157.56	-6,957.79	7,024.98	7,021.83	3.15	2,231.490		
900.00	895.62	657.95	657.90	3.14	0.54	48.36	1,158.48	-6,959.20	7,013.73	7,010.12	3.61	1,942.913		
1,000.00	993.06	761.85	761.78	3.62	0.59	48.72	1,159.90	-6,960.63	7,000.22	6,996.12	4.09	1,709.472		
1,100.00	1,089.64	886.42	886.33	4.14	0.65	49.18	1,161.66	-6,962.02	6,984.25	6,979.63	4.61	1,514.183		
1,200.00	1,185.27	974.88	974.78	4.70	0.69	49.64	1,162.85	-6,962.83	6,965.89	6,960.75	5.14	1,354.786		
1,300.00	1,279.82	1,065.22	1,065.10	5.31	0.74	50.15	1,164.01	-6,963.79	6,945.52	6,939.82	5.70	1,217.523		
1,400.00	1,373.17	1,156.79	1,156.66	5.98	0.78	50.73	1,165.26	-6,964.77	6,923.09	6,916.79	6.30	1,098.203		
1,500.00	1,465.22	1,258.73	1,258.58	6.70	0.82	51.36	1,166.72	-6,965.83	6,898.64	6,891.69	6.95	993.153		
1,600.00	1,556.72	1,354.79	1,354.62	7.45	0.86	51.63	1,168.30	-6,966.60	6,873.29	6,865.69	7.61	903.746		
1,700.00	1,648.21	1,479.39	1,479.21	8.21	0.91	51.99	1,170.32	-6,967.45	6,848.01	6,839.73	8.28	826.679		
1,800.00	1,739.71	1,674.16	1,673.95	8.99	0.96	52.55	1,173.27	-6,968.53	6,821.75	6,812.78	8.97	760.647		
1,900.00	1,831.20	1,767.45	1,767.23	9.77	0.98	52.82	1,174.09	-6,969.44	6,794.95	6,785.30	9.64	704.684		
2,000.00	1,922.69	1,863.81	1,863.57	10.56	1.01	53.11	1,175.53	-6,964.24	6,768.36	6,758.03	10.33	655.348		
2,100.00	2,014.19	1,946.86	1,946.61	11.35	1.03	53.36	1,176.85	-6,963.12	6,741.85	6,730.82	11.02	611.733		
2,200.00	2,105.68	2,021.36	2,021.09	12.14	1.05	53.58	1,177.58	-6,962.42	6,715.72	6,704.00	11.72	573.008		
2,300.00	2,197.18	2,105.58	2,105.31	12.94	1.07	53.83	1,178.14	-6,961.81	6,689.90	6,677.47	12.43	538.385		
2,400.00	2,288.67	2,187.97	2,187.70	13.74	1.10	54.07	1,178.62	-6,961.34	6,664.33	6,651.19	13.14	507.265		
2,500.00	2,380.17	2,262.57	2,262.30	14.54	1.12	54.29	1,179.07	-6,961.04	6,639.09	6,625.23	13.86	479.142		
2,600.00	2,471.66	2,328.80	2,328.53	15.35	1.14	54.49	1,179.60	-6,960.94	6,614.27	6,599.69	14.58	453.607		
2,700.00	2,563.16	2,387.58	2,387.30	16.15	1.16	54.67	1,180.47	-6,961.03	6,590.04	6,574.73	15.31	430.338		
2,800.00	2,654.65	2,468.65	2,468.35	16.96	1.19	54.92	1,182.04	-6,961.38	6,566.30	6,550.25	16.05	409.004		
2,900.00	2,746.15	2,555.25	2,554.94	17.76	1.22	55.19	1,183.62	-6,961.83	6,542.81	6,526.01	16.80	389.433		
3,000.00	2,837.64	2,672.96	2,672.63	18.57	1.26	55.56	1,185.40	-6,962.46	6,519.45	6,501.89	17.55	371.394		
3,100.00	2,929.14	2,773.00	2,772.67	19.38	1.30	55.87	1,186.40	-6,962.69	6,495.83	6,477.52	18.31	354.799		
3,200.00	3,020.63	2,872.56	2,872.22	20.19	1.33	56.18	1,187.50	-6,962.84	6,472.36	6,453.29	19.07	339.468		
3,300.00	3,112.13	2,974.48	2,974.14	21.00	1.35	56.49	1,188.11	-6,962.96	6,448.89	6,429.07	19.82	325.423		
3,400.00	3,203.62	3,050.56	3,050.22	21.81	1.36	56.73	1,187.99	-6,963.20	6,425.59	6,405.01	20.58	312.238		
3,500.00	3,295.12	3,132.20	3,131.86	22.63	1.37	56.98	1,187.72	-6,963.80	6,402.75	6,381.40	21.35	299.904		
3,600.00	3,386.61	3,229.89	3,229.55	23.44	1.38	57.28	1,187.30	-6,964.40	6,379.95	6,357.83	22.12	288.388		
3,700.00	3,478.10	3,300.00	3,299.65	24.25	1.38	57.49	1,186.67	-6,965.09	6,357.52	6,334.62	22.90	277.634		
3,800.00	3,569.60	3,387.63	3,387.27	25.06	1.39	57.76	1,185.67	-6,966.21	6,335.44	6,311.76	23.68	267.569		
3,900.00	3,661.09	3,460.06	3,459.69	25.88	1.40	57.98	1,185.30	-6,967.11	6,313.68	6,289.22	24.46	258.140		
4,000.00	3,752.59	3,550.71	3,550.32	26.69	1.43	58.27	1,186.18	-6,968.08	6,292.35	6,267.10	25.25	249.235		
4,100.00	3,844.08	3,729.79	3,729.40	27.50	1.48	58.87	1,188.21	-6,968.48	6,270.55	6,244.52	26.03	240.904		
4,200.00	3,935.58	3,822.08	3,821.68	28.32	1.50	59.17	1,188.86	-6,967.99	6,248.13	6,221.31	26.81	233.012		
4,300.00	4,027.07	3,879.18	3,878.78	29.13	1.51	59.36	1,189.32	-6,967.89	6,226.24	6,198.63	27.61	225.504		
4,400.00	4,118.57	3,954.39	3,953.98	29.95	1.53	59.61	1,189.86	-6,968.15	6,204.96	6,176.55	28.41	218.420		
4,500.00	4,210.06	4,038.80	4,038.39	30.76	1.54	59.89	1,189.75	-6,968.81	6,183.99	6,154.78	29.21	211.690		
4,600.00	4,301.56	4,116.49	4,116.08	31.58	1.56	60.14	1,189.63	-6,969.54	6,163.34	6,133.32	30.03	205.272		
4,700.00	4,393.05	4,180.23	4,179.81	32.39	1.57	60.35	1,189.51	-6,970.41	6,143.22	6,112.38	30.84	199.183		
4,800.00	4,484.55	4,306.99	4,306.56	33.21	1.59	60.77	1,188.91	-6,972.35	6,123.38	6,091.72	31.66	193.427		
4,900.00	4,576.04	4,389.11	4,388.67	34.02	1.60	61.03	1,188.41	-6,973.39	6,103.42	6,070.94	32.48	187.928		
5,000.00	4,667.54	4,515.51	4,515.06	34.84	1.62	61.46	1,187.85	-6,974.57	6,083.39	6,050.10	33.30	182.705		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT SHELTON RG 26-7 - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,759.03	4,590.61	4,590.15	35.65	1.63	61.71	1,187.31	-6,975.25	6,063.46	6,029.34	34.12	177.702		
5,200.00	4,850.53	4,647.31	4,646.85	36.47	1.64	61.89	1,186.67	-6,976.11	6,044.10	6,009.15	34.95	172.928		
5,300.00	4,942.02	4,703.21	4,702.73	37.28	1.65	62.07	1,185.87	-6,977.41	6,025.50	5,989.72	35.78	168.388		
5,400.00	5,033.51	4,805.82	4,805.30	38.10	1.67	62.41	1,184.50	-6,979.98	6,007.28	5,970.66	36.61	164.068		
5,500.00	5,125.01	4,884.07	4,883.51	38.92	1.68	62.66	1,183.53	-6,981.95	5,989.28	5,951.83	37.45	159.922		
5,600.00	5,216.50	4,960.20	4,959.60	39.73	1.70	62.91	1,182.59	-6,984.07	5,971.69	5,933.40	38.29	155.954		
5,700.00	5,308.00	5,700.00	5,075.72	40.55	1.86	63.30	1,181.65	-6,986.96	5,954.20	5,914.90	39.29	151.530		
5,800.00	5,399.49	5,186.51	5,185.86	41.36	1.74	63.68	1,180.91	-6,989.05	5,936.41	5,896.44	39.98	148.496		
5,900.00	5,490.99	5,285.90	5,285.23	42.18	1.77	64.02	1,180.37	-6,990.87	5,918.87	5,878.04	40.83	144.977		
6,000.00	5,582.48	5,407.04	5,406.36	43.00	1.80	64.45	1,180.25	-6,992.46	5,901.25	5,859.57	41.68	141.593		
6,100.00	5,673.98	5,536.44	5,535.75	43.81	1.81	64.91	1,179.76	-6,993.12	5,882.98	5,840.47	42.51	138.375		
6,200.00	5,765.47	5,600.00	5,599.31	44.63	1.82	65.13	1,179.23	-6,993.70	5,865.17	5,821.80	43.37	135.238		
6,300.00	5,856.97	5,703.62	5,702.92	45.45	1.84	65.50	1,178.68	-6,994.68	5,847.71	5,803.49	44.22	132.227		
6,400.00	5,948.46	5,834.81	5,834.11	46.26	1.84	65.98	1,178.56	-6,994.84	5,829.93	5,784.88	45.05	129.414		
6,500.00	6,039.96	5,948.90	5,948.19	47.08	1.84	66.41	1,179.16	-6,994.20	5,812.13	5,766.24	45.88	126.673		
6,600.00	6,131.45	6,071.01	6,070.30	47.90	1.83	66.87	1,179.25	-6,992.89	5,793.91	5,747.19	46.72	124.026		
6,700.00	6,222.95	6,180.76	6,180.04	48.71	1.83	67.29	1,179.02	-6,991.48	5,775.65	5,728.10	47.55	121.458		
6,800.00	6,314.44	6,260.80	6,260.07	49.53	1.83	67.59	1,178.75	-6,990.38	5,757.52	5,709.11	48.41	118.940		
6,900.00	6,405.93	6,345.49	6,344.75	50.35	1.83	67.91	1,178.40	-6,989.49	5,739.85	5,690.59	49.26	116.518		
7,000.00	6,497.01	6,431.71	6,430.96	51.18	1.82	68.58	1,178.07	-6,988.57	5,721.29	5,671.16	50.13	114.130		
7,100.00	6,582.62	6,500.00	6,499.26	52.20	1.82	56.74	1,177.90	-6,987.98	5,691.16	5,640.03	51.13	111.306		
7,200.00	6,659.25	6,586.57	6,585.83	53.42	1.82	54.79	1,177.64	-6,987.31	5,647.38	5,595.13	52.25	108.085		
7,300.00	6,724.59	6,654.71	6,653.96	54.84	1.82	56.14	1,177.34	-6,986.74	5,591.27	5,537.79	53.47	104.565		
7,400.00	6,776.64	6,707.61	6,706.86	56.40	1.82	60.54	1,177.15	-6,986.24	5,524.69	5,469.93	54.76	100.886		
7,500.00	6,813.82	6,739.26	6,738.50	58.08	1.82	68.19	1,177.04	-6,985.96	5,449.77	5,393.69	56.08	97.174		
7,600.00	6,835.01	6,757.60	6,756.84	59.82	1.82	79.64	1,176.97	-6,985.81	5,368.79	5,311.40	57.39	93.552		
7,700.00	6,840.00	6,761.38	6,760.63	61.57	1.82	90.94	1,176.96	-6,985.78	5,284.20	5,225.56	58.64	90.109		
7,800.00	6,840.00	6,760.66	6,759.91	63.35	1.82	90.93	1,176.96	-6,985.79	5,199.27	5,139.36	59.91	86.783		
7,900.00	6,840.00	6,759.94	6,759.19	65.20	1.82	90.91	1,176.97	-6,985.79	5,114.89	5,053.65	61.24	83.524		
8,000.00	6,840.00	6,759.22	6,758.46	67.10	1.82	90.90	1,176.97	-6,985.80	5,031.08	4,968.45	62.63	80.335		
8,100.00	6,840.00	6,758.49	6,757.74	69.05	1.82	90.88	1,176.97	-6,985.80	4,947.87	4,883.80	64.07	77.220		
8,200.00	6,840.00	6,757.76	6,757.01	71.06	1.82	90.87	1,176.97	-6,985.81	4,865.29	4,799.71	65.59	74.180		
8,300.00	6,840.00	6,757.03	6,756.27	73.11	1.82	90.85	1,176.98	-6,985.82	4,783.38	4,716.22	67.17	71.218		
8,400.00	6,840.00	6,756.29	6,755.53	75.21	1.82	90.84	1,176.98	-6,985.82	4,702.17	4,633.36	68.81	68.336		
8,500.00	6,840.00	6,755.55	6,754.79	77.34	1.82	90.82	1,176.98	-6,985.83	4,621.70	4,551.17	70.52	65.535		
8,600.00	6,840.00	6,754.80	6,754.05	79.51	1.82	90.81	1,176.98	-6,985.83	4,542.00	4,469.69	72.31	62.816		
8,700.00	6,840.00	6,754.05	6,753.30	81.72	1.82	90.79	1,176.99	-6,985.84	4,463.12	4,388.95	74.16	60.181		
8,800.00	6,840.00	6,753.30	6,752.54	83.95	1.82	90.78	1,176.99	-6,985.85	4,385.10	4,309.01	76.09	57.630		
8,900.00	6,840.00	6,752.54	6,751.79	86.22	1.82	90.76	1,176.99	-6,985.85	4,307.98	4,229.89	78.09	55.164		
9,000.00	6,840.00	6,751.78	6,751.03	88.51	1.82	90.75	1,176.99	-6,985.86	4,231.83	4,151.65	80.17	52.783		
9,100.00	6,840.00	6,751.02	6,750.26	90.83	1.82	90.73	1,177.00	-6,985.87	4,156.69	4,074.35	82.33	50.487		
9,200.00	6,840.00	6,750.25	6,749.50	93.16	1.82	90.71	1,177.00	-6,985.87	4,082.61	3,998.04	84.57	48.276		
9,300.00	6,840.00	6,749.48	6,748.73	95.52	1.82	90.70	1,177.00	-6,985.88	4,009.66	3,922.77	86.88	46.151		
9,400.00	6,840.00	6,748.71	6,747.95	97.90	1.82	90.68	1,177.01	-6,985.88	3,937.89	3,848.62	89.28	44.109		
9,500.00	6,840.00	6,747.93	6,747.17	100.30	1.82	90.67	1,177.01	-6,985.89	3,867.38	3,775.63	91.75	42.151		
9,600.00	6,840.00	6,747.14	6,746.39	102.72	1.82	90.65	1,177.01	-6,985.90	3,798.20	3,703.89	94.30	40.276		
9,700.00	6,840.00	6,746.36	6,745.60	105.15	1.82	90.63	1,177.01	-6,985.90	3,730.41	3,633.47	96.94	38.484		
9,800.00	6,840.00	6,745.57	6,744.81	107.59	1.82	90.62	1,177.02	-6,985.91	3,664.09	3,564.45	99.64	36.772		
9,900.00	6,840.00	6,744.77	6,744.02	110.05	1.82	90.60	1,177.02	-6,985.92	3,599.34	3,496.91	102.43	35.140		
10,000.00	6,840.00	6,743.97	6,743.22	112.52	1.82	90.58	1,177.02	-6,985.92	3,536.22	3,430.94	105.29	33.587		
10,100.00	6,840.00	6,743.17	6,742.42	115.00	1.82	90.57	1,177.03	-6,985.93	3,474.84	3,366.63	108.21	32.112		
10,200.00	6,840.00	6,742.36	6,741.61	117.50	1.82	90.55	1,177.03	-6,985.94	3,415.28	3,304.08	111.20	30.712		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT SHELTON RG 26-7 - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,840.00	6,741.55	6,740.80	120.00	1.82	90.53	1,177.03	-6,985.94	3,357.65	3,243.39	114.25	29.388		
10,400.00	6,840.00	6,740.74	6,739.98	122.51	1.82	90.52	1,177.03	-6,985.95	3,302.03	3,184.68	117.36	28.136		
10,500.00	6,840.00	6,739.92	6,739.16	125.04	1.82	90.50	1,177.04	-6,985.96	3,248.55	3,128.04	120.51	26.957		
10,600.00	6,840.00	6,739.10	6,738.34	127.57	1.82	90.48	1,177.04	-6,985.96	3,197.30	3,073.60	123.70	25.848		
10,700.00	6,840.00	6,738.27	6,737.51	130.11	1.82	90.47	1,177.04	-6,985.97	3,148.39	3,021.47	126.91	24.807		
10,800.00	6,840.00	6,737.44	6,736.68	132.66	1.82	90.45	1,177.05	-6,985.98	3,101.93	2,971.78	130.15	23.834		
10,900.00	6,840.00	6,736.60	6,735.85	135.21	1.82	90.43	1,177.05	-6,985.99	3,058.04	2,924.65	133.38	22.927		
11,000.00	6,840.00	6,735.76	6,735.01	137.77	1.82	90.41	1,177.05	-6,985.99	3,016.82	2,880.21	136.61	22.083		
11,100.00	6,840.00	6,734.91	6,734.16	140.34	1.82	90.40	1,177.05	-6,986.00	2,978.40	2,838.58	139.82	21.302		
11,200.00	6,840.00	6,734.07	6,733.31	142.91	1.82	90.38	1,177.06	-6,986.01	2,942.87	2,799.89	142.98	20.582		
11,300.00	6,840.00	6,733.21	6,732.46	145.49	1.82	90.36	1,177.06	-6,986.02	2,910.34	2,764.26	146.09	19.922		
11,400.00	6,840.00	6,732.35	6,731.60	148.07	1.82	90.34	1,177.06	-6,986.02	2,880.93	2,731.80	149.12	19.319		
11,500.00	6,840.00	6,731.49	6,730.74	150.66	1.82	90.33	1,177.07	-6,986.03	2,854.71	2,702.64	152.07	18.773		
11,600.00	6,840.00	6,730.62	6,729.87	153.25	1.82	90.31	1,177.07	-6,986.04	2,831.78	2,676.88	154.90	18.281		
11,700.00	6,840.00	6,729.75	6,729.00	155.85	1.82	90.29	1,177.07	-6,986.05	2,812.22	2,654.61	157.61	17.843		
11,800.00	6,840.00	6,728.88	6,728.12	158.45	1.82	90.27	1,177.08	-6,986.05	2,796.11	2,635.93	160.17	17.457		
11,900.00	6,840.00	6,728.00	6,727.24	161.06	1.82	90.25	1,177.08	-6,986.06	2,783.49	2,620.91	162.58	17.121		
12,000.00	6,840.00	6,727.11	6,726.36	163.67	1.82	90.24	1,177.08	-6,986.07	2,774.43	2,609.61	164.81	16.834		
12,100.00	6,840.00	6,726.22	6,725.47	166.28	1.82	90.22	1,177.09	-6,986.08	2,768.94	2,602.09	166.86	16.595		
12,200.00	6,840.00	6,725.33	6,724.57	168.90	1.82	90.20	1,177.09	-6,986.08	2,767.07	2,598.36	168.71	16.402		
12,201.95	6,840.00	6,725.31	6,724.55	168.95	1.82	90.20	1,177.09	-6,986.08	2,767.07	2,598.33	168.74	16.398 CC, ES		
12,300.00	6,840.00	6,724.43	6,723.67	171.52	1.82	90.18	1,177.09	-6,986.09	2,768.80	2,598.45	170.35	16.254		
12,400.00	6,840.00	6,723.52	6,722.77	174.15	1.82	90.16	1,177.09	-6,986.10	2,774.15	2,602.36	171.78	16.149		
12,500.00	6,840.00	6,722.61	6,721.86	176.77	1.82	90.14	1,177.10	-6,986.11	2,783.07	2,610.07	173.00	16.087		
12,600.00	6,840.00	6,721.70	6,720.94	179.40	1.82	90.12	1,177.10	-6,986.12	2,795.55	2,621.54	174.01	16.066 SF		
12,700.00	6,840.00	6,720.78	6,720.03	182.04	1.82	90.10	1,177.10	-6,986.12	2,811.53	2,636.73	174.80	16.085		
12,800.00	6,840.00	6,719.85	6,719.10	184.67	1.82	90.08	1,177.11	-6,986.13	2,830.95	2,655.58	175.38	16.142		
12,900.00	6,840.00	6,718.93	6,718.17	187.31	1.82	90.07	1,177.11	-6,986.14	2,853.75	2,678.00	175.75	16.237		
13,000.00	6,840.00	6,717.99	6,717.24	189.95	1.82	90.05	1,177.11	-6,986.15	2,879.84	2,703.91	175.93	16.369		
13,100.00	6,840.00	6,717.05	6,716.30	192.59	1.82	90.03	1,177.12	-6,986.16	2,909.14	2,733.21	175.93	16.536		
13,200.00	6,840.00	6,716.11	6,715.35	195.24	1.82	90.01	1,177.12	-6,986.17	2,941.54	2,765.79	175.75	16.737		
13,300.00	6,840.00	6,715.16	6,714.40	197.88	1.82	89.99	1,177.12	-6,986.18	2,976.96	2,801.54	175.41	16.971		
13,400.00	6,840.00	6,714.20	6,713.45	200.53	1.82	89.97	1,177.13	-6,986.18	3,015.27	2,840.35	174.92	17.238		
13,500.00	6,840.00	6,713.24	6,712.49	203.18	1.82	89.95	1,177.13	-6,986.19	3,056.38	2,882.08	174.30	17.535		
13,600.00	6,840.00	6,712.28	6,711.52	205.83	1.82	89.93	1,177.13	-6,986.20	3,100.17	2,926.62	173.55	17.864		
13,700.00	6,840.00	6,711.31	6,710.55	208.49	1.82	89.91	1,177.14	-6,986.21	3,146.53	2,973.84	172.69	18.221		
13,800.00	6,840.00	6,710.33	6,709.58	211.14	1.82	89.89	1,177.14	-6,986.22	3,195.34	3,023.62	171.73	18.607		
13,900.00	6,840.00	6,709.35	6,708.59	213.80	1.82	89.87	1,177.14	-6,986.23	3,246.51	3,075.82	170.68	19.021		
14,000.00	6,840.00	6,708.36	6,707.61	216.46	1.82	89.85	1,177.15	-6,986.24	3,299.91	3,130.34	169.57	19.461		
14,100.00	6,840.00	6,707.37	6,706.61	219.12	1.82	89.83	1,177.15	-6,986.25	3,355.44	3,187.05	168.38	19.927		
14,200.00	6,840.00	6,706.37	6,705.62	221.78	1.82	89.81	1,177.15	-6,986.26	3,413.00	3,245.85	167.15	20.419		
14,300.00	6,840.00	6,705.36	6,704.61	224.45	1.82	89.78	1,177.16	-6,986.27	3,472.48	3,306.61	165.87	20.935		
14,400.00	6,840.00	6,704.36	6,703.60	227.11	1.82	89.76	1,177.16	-6,986.28	3,533.79	3,369.23	164.56	21.474		
14,500.00	6,840.00	6,703.34	6,702.59	229.78	1.82	89.74	1,177.16	-6,986.29	3,596.84	3,433.62	163.22	22.037		
14,600.00	6,840.00	6,702.32	6,701.57	232.45	1.82	89.72	1,177.17	-6,986.30	3,661.53	3,499.67	161.86	22.622		
14,700.00	6,840.00	6,701.29	6,700.54	235.12	1.82	89.70	1,177.17	-6,986.31	3,727.79	3,567.30	160.49	23.228		
14,800.00	6,840.00	6,700.26	6,699.51	237.79	1.82	89.68	1,177.17	-6,986.31	3,795.52	3,636.41	159.11	23.855		
14,900.00	6,840.00	6,699.33	6,698.58	240.46	1.82	89.66	1,177.18	-6,986.32	3,864.65	3,706.93	157.72	24.503		
15,000.00	6,840.00	6,698.44	6,697.69	243.13	1.82	89.64	1,177.18	-6,986.33	3,935.11	3,778.77	156.34	25.170		
15,100.00	6,840.00	6,697.55	6,696.80	245.80	1.82	89.62	1,177.18	-6,986.34	4,006.82	3,851.86	154.96	25.856		
15,200.00	6,840.00	6,696.67	6,695.92	248.48	1.82	89.60	1,177.19	-6,986.35	4,079.73	3,926.13	153.60	26.561		
15,300.00	6,840.00	6,695.79	6,695.03	251.15	1.82	89.59	1,177.19	-6,986.36	4,153.76	4,001.52	152.24	27.284		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT SHELTON RG 26-7 - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,400.00	6,840.00	6,694.90	6,694.15	253.83	1.82	89.57	1,177.19	-6,986.37	4,228.87	4,077.96	150.90	28.024		
15,500.00	6,840.00	6,694.03	6,693.27	256.51	1.82	89.55	1,177.20	-6,986.37	4,304.98	4,155.40	149.58	28.781		
15,600.00	6,840.00	6,693.15	6,692.40	259.19	1.82	89.53	1,177.20	-6,986.38	4,382.06	4,233.78	148.27	29.554		
15,700.00	6,840.00	6,692.27	6,691.52	261.87	1.82	89.51	1,177.20	-6,986.39	4,460.04	4,313.05	146.99	30.343		
15,800.00	6,840.00	6,691.40	6,690.65	264.55	1.82	89.50	1,177.21	-6,986.40	4,538.89	4,393.17	145.72	31.148		
15,900.00	6,840.00	6,690.53	6,689.78	267.23	1.82	89.48	1,177.21	-6,986.41	4,618.56	4,474.08	144.48	31.967		
16,000.00	6,840.00	6,689.66	6,688.91	269.91	1.82	89.46	1,177.21	-6,986.42	4,699.00	4,555.74	143.26	32.801		
16,100.00	6,840.00	6,688.80	6,688.05	272.59	1.82	89.44	1,177.21	-6,986.42	4,780.18	4,638.12	142.06	33.649		
16,200.00	6,840.00	6,687.93	6,687.18	275.28	1.82	89.42	1,177.22	-6,986.43	4,862.07	4,721.18	140.89	34.510		
16,300.00	6,840.00	6,687.07	6,686.32	277.96	1.82	89.41	1,177.22	-6,986.44	4,944.62	4,804.88	139.74	35.385		
16,400.00	6,840.00	6,686.21	6,685.46	280.64	1.82	89.39	1,177.22	-6,986.45	5,027.80	4,889.19	138.61	36.272		
16,500.00	6,840.00	6,685.36	6,684.60	283.33	1.82	89.37	1,177.23	-6,986.46	5,111.59	4,974.07	137.51	37.172		
16,600.00	6,840.00	6,684.50	6,683.75	286.02	1.82	89.35	1,177.23	-6,986.46	5,195.94	5,059.51	136.43	38.084		
16,700.00	6,840.00	6,683.65	6,682.90	288.70	1.82	89.34	1,177.23	-6,986.47	5,280.85	5,145.47	135.38	39.008		
16,800.00	6,840.00	6,682.80	6,682.04	291.39	1.82	89.32	1,177.24	-6,986.48	5,366.27	5,231.93	134.35	39.943		
16,900.00	6,840.00	6,681.95	6,681.20	294.08	1.82	89.30	1,177.24	-6,986.49	5,452.20	5,318.85	133.34	40.889		
17,000.00	6,840.00	6,681.10	6,680.35	296.77	1.82	89.28	1,177.24	-6,986.50	5,538.59	5,406.23	132.36	41.845		
17,100.00	6,840.00	6,680.26	6,679.50	299.46	1.82	89.27	1,177.25	-6,986.50	5,625.43	5,494.03	131.40	42.812		
17,200.00	6,840.00	6,679.41	6,678.66	302.14	1.82	89.25	1,177.25	-6,986.51	5,712.71	5,582.25	130.46	43.789		
17,300.00	6,840.00	6,678.57	6,677.82	304.84	1.82	89.23	1,177.25	-6,986.52	5,800.39	5,670.85	129.54	44.775		
17,400.00	6,840.00	6,677.73	6,676.98	307.53	1.82	89.21	1,177.25	-6,986.53	5,888.47	5,759.82	128.65	45.771		
17,500.00	6,840.00	6,676.90	6,676.14	310.22	1.82	89.20	1,177.26	-6,986.53	5,976.92	5,849.14	127.78	46.776		
17,600.00	6,840.00	6,676.06	6,675.31	312.91	1.82	89.18	1,177.26	-6,986.54	6,065.73	5,938.81	126.92	47.790		
17,700.00	6,840.00	6,675.23	6,674.48	315.60	1.82	89.16	1,177.26	-6,986.55	6,154.89	6,028.79	126.09	48.812		
17,800.00	6,840.00	6,674.40	6,673.65	318.29	1.82	89.14	1,177.27	-6,986.56	6,244.37	6,119.09	125.28	49.843		
17,900.00	6,840.00	6,673.57	6,672.82	320.99	1.82	89.13	1,177.27	-6,986.56	6,334.17	6,209.68	124.49	50.882		
18,000.00	6,840.00	6,672.74	6,671.99	323.68	1.82	89.11	1,177.27	-6,986.57	6,424.26	6,300.55	123.71	51.928		
18,100.00	6,840.00	6,671.92	6,671.17	326.38	1.82	89.09	1,177.28	-6,986.58	6,514.65	6,391.69	122.96	52.983		
18,200.00	6,840.00	6,671.09	6,670.34	329.07	1.82	89.08	1,177.28	-6,986.59	6,605.32	6,483.09	122.22	54.044		
18,300.00	6,840.00	6,670.27	6,669.52	331.77	1.82	89.06	1,177.28	-6,986.59	6,696.25	6,574.74	121.50	55.112		
18,400.00	6,840.00	6,669.45	6,668.70	334.46	1.82	89.04	1,177.29	-6,986.60	6,787.43	6,666.63	120.80	56.188		
18,500.00	6,840.00	6,668.64	6,667.89	337.16	1.82	89.02	1,177.29	-6,986.61	6,878.86	6,758.75	120.11	57.270		
18,600.00	6,840.00	6,667.82	6,667.07	339.85	1.82	89.01	1,177.29	-6,986.62	6,970.53	6,851.08	119.44	58.358		
18,700.00	6,840.00	6,667.01	6,666.26	342.55	1.82	88.99	1,177.29	-6,986.62	7,062.42	6,943.63	118.79	59.453		
18,800.00	6,840.00	6,666.20	6,665.45	345.25	1.82	88.97	1,177.30	-6,986.63	7,154.52	7,036.37	118.15	60.553		
18,900.00	6,840.00	6,665.39	6,664.64	347.94	1.82	88.96	1,177.30	-6,986.64	7,246.84	7,129.31	117.53	61.660		
19,000.00	6,840.00	6,664.58	6,663.83	350.64	1.82	88.94	1,177.30	-6,986.65	7,339.36	7,222.44	116.92	62.772		
19,100.00	6,840.00	6,663.78	6,663.03	353.34	1.82	88.92	1,177.31	-6,986.65	7,432.07	7,315.75	116.33	63.890		
19,200.00	6,840.00	6,662.97	6,662.22	356.04	1.82	88.91	1,177.31	-6,986.66	7,524.97	7,409.23	115.75	65.012		
19,300.00	6,840.00	6,662.17	6,661.42	358.74	1.82	88.89	1,177.31	-6,986.67	7,618.05	7,502.87	115.18	66.140		
19,400.00	6,840.00	6,661.37	6,660.62	361.44	1.82	88.87	1,177.32	-6,986.68	7,711.30	7,596.68	114.63	67.273		
19,500.00	6,840.00	6,660.57	6,659.82	364.13	1.82	88.86	1,177.32	-6,986.68	7,804.72	7,690.64	114.09	68.411		
19,600.00	6,840.00	6,659.78	6,659.03	366.83	1.82	88.84	1,177.32	-6,986.69	7,898.30	7,784.74	113.56	69.553		
19,700.00	6,840.00	6,658.98	6,658.23	369.53	1.82	88.82	1,177.33	-6,986.70	7,992.04	7,879.00	113.04	70.699		
19,800.00	6,840.00	6,658.19	6,657.44	372.23	1.82	88.81	1,177.33	-6,986.70	8,085.92	7,973.38	112.54	71.850		
19,900.00	6,840.00	6,657.40	6,656.65	374.94	1.82	88.79	1,177.33	-6,986.71	8,179.95	8,067.91	112.05	73.005		
20,000.00	6,840.00	6,656.61	6,655.86	377.64	1.82	88.78	1,177.34	-6,986.72	8,274.12	8,162.56	111.57	74.164		
20,100.00	6,840.00	6,655.83	6,655.08	380.34	1.82	88.76	1,177.34	-6,986.73	8,368.43	8,257.33	111.09	75.327		
20,200.00	6,840.00	6,655.04	6,654.29	383.04	1.82	88.74	1,177.34	-6,986.73	8,462.87	8,352.23	110.64	76.493		
20,300.00	6,840.00	6,654.26	6,653.51	385.74	1.82	88.73	1,177.34	-6,986.74	8,557.43	8,447.24	110.19	77.663		
20,400.00	6,840.00	6,653.48	6,652.73	388.44	1.82	88.71	1,177.35	-6,986.75	8,652.11	8,542.37	109.75	78.837		
20,500.00	6,840.00	6,652.70	6,651.95	391.14	1.82	88.69	1,177.35	-6,986.75	8,746.92	8,637.60	109.32	80.013		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - EXIST VERT SHELTON RG 26-7 - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												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
20,552.28	6,840.00	6,652.29	6,651.54	392.56	1.82	88.69	1,177.35	-6,986.76	8,796.52	8,687.42	109.10	80.630	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - SI VERT DUPPER 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	-73.31	2,524.60	-8,419.89	8,791.26					
100.00	100.00	0.00	0.00	0.13	0.00	-73.31	2,524.60	-8,419.89	8,790.30	8,790.16	0.13	N/A		
151.28	151.28	16.28	16.28	0.32	0.13	-73.31	2,524.60	-8,419.89	8,790.23	8,789.78	0.45	N/A		
200.00	200.00	65.00	65.00	0.49	0.51	-73.31	2,524.60	-8,419.89	8,790.23	8,789.22	1.00	8,760.371		
300.00	300.00	165.00	165.00	0.85	1.92	-73.31	2,524.60	-8,419.89	8,790.23	8,787.45	2.77	3,171.955		
400.00	399.98	264.98	264.98	1.20	3.66	54.77	2,524.60	-8,419.89	8,789.22	8,784.36	4.86	1,807.632		
500.00	499.84	364.84	364.84	1.55	5.41	54.85	2,524.60	-8,419.89	8,786.20	8,779.25	6.95	1,263.934		
600.00	599.45	464.45	464.45	1.91	7.15	54.97	2,524.60	-8,419.89	8,781.18	8,772.13	9.05	970.224		
700.00	698.70	563.70	563.70	2.29	8.88	55.15	2,524.60	-8,419.89	8,774.16	8,763.00	11.16	786.253		
800.00	797.47	662.47	662.47	2.70	10.60	55.39	2,524.60	-8,419.89	8,765.17	8,751.90	13.28	660.076		
900.00	895.62	760.62	760.62	3.14	12.32	55.67	2,524.60	-8,419.89	8,754.24	8,738.83	15.41	568.044		
1,000.00	993.06	858.06	858.06	3.62	14.02	56.00	2,524.60	-8,419.89	8,741.38	8,723.82	17.56	497.863		
1,100.00	1,089.64	954.64	954.64	4.14	15.70	56.39	2,524.60	-8,419.89	8,726.63	8,706.91	19.72	442.511		
1,200.00	1,185.27	1,050.27	1,050.27	4.70	17.37	56.83	2,524.60	-8,419.89	8,710.04	8,688.14	21.90	397.689		
1,300.00	1,279.82	1,144.82	1,144.82	5.31	19.02	57.31	2,524.60	-8,419.89	8,691.64	8,667.54	24.10	360.620		
1,400.00	1,373.17	1,238.17	1,238.17	5.98	20.65	57.85	2,524.60	-8,419.89	8,671.48	8,645.16	26.32	329.427		
1,500.00	1,465.22	1,330.22	1,330.22	6.70	22.26	58.40	2,524.60	-8,419.89	8,649.63	8,621.06	28.57	302.792		
1,600.00	1,556.72	1,421.72	1,421.72	7.45	23.85	58.61	2,524.60	-8,419.89	8,627.17	8,596.35	30.82	279.880		
1,700.00	1,648.21	1,513.21	1,513.21	8.21	25.45	58.83	2,524.60	-8,419.89	8,604.85	8,571.75	33.10	259.987		
1,800.00	1,739.71	1,604.71	1,604.71	8.99	27.05	59.04	2,524.60	-8,419.89	8,582.66	8,547.28	35.38	242.574		
1,900.00	1,831.20	1,703.80	1,696.20	9.77	28.78	59.26	2,524.60	-8,419.89	8,560.60	8,522.79	37.81	226.422		
2,000.00	1,922.69	1,787.69	1,787.69	10.56	30.24	59.48	2,524.60	-8,419.89	8,538.67	8,498.70	39.98	213.588		
2,100.00	2,014.19	1,879.19	1,879.19	11.35	31.84	59.70	2,524.60	-8,419.89	8,516.88	8,474.60	42.29	201.411		
2,200.00	2,105.68	1,970.68	1,970.68	12.14	33.44	59.92	2,524.60	-8,419.89	8,495.23	8,450.63	44.60	190.472		
2,300.00	2,197.18	2,062.18	2,062.18	12.94	35.03	60.14	2,524.60	-8,419.89	8,473.71	8,426.79	46.92	180.594		
2,400.00	2,288.67	2,153.67	2,153.67	13.74	36.63	60.36	2,524.60	-8,419.89	8,452.33	8,403.08	49.25	171.633		
2,500.00	2,380.17	2,245.17	2,245.17	14.54	38.23	60.59	2,524.60	-8,419.89	8,431.09	8,379.51	51.58	163.468		
2,600.00	2,471.66	2,336.66	2,336.66	15.35	39.82	60.81	2,524.60	-8,419.89	8,409.99	8,356.08	53.91	156.000		
2,700.00	2,563.16	2,428.16	2,428.16	16.15	41.42	61.04	2,524.60	-8,419.89	8,389.03	8,332.78	56.25	149.143		
2,800.00	2,654.65	2,519.65	2,519.65	16.96	43.02	61.26	2,524.60	-8,419.89	8,368.21	8,309.62	58.59	142.828		
2,900.00	2,746.15	2,611.15	2,611.15	17.76	44.61	61.49	2,524.60	-8,419.89	8,347.53	8,286.60	60.93	136.992		
3,000.00	2,837.64	2,702.64	2,702.64	18.57	46.21	61.72	2,524.60	-8,419.89	8,327.00	8,263.72	63.28	131.583		
3,100.00	2,929.14	2,805.86	2,794.14	19.38	48.01	61.95	2,524.60	-8,419.89	8,306.62	8,240.78	65.84	126.165		
3,200.00	3,020.63	2,885.63	2,885.63	20.19	49.40	62.18	2,524.60	-8,419.89	8,286.38	8,218.39	67.99	121.877		
3,300.00	3,112.13	2,977.13	2,977.13	21.00	51.00	62.41	2,524.60	-8,419.89	8,266.29	8,195.94	70.35	117.507		
3,400.00	3,203.62	3,068.62	3,068.62	21.81	52.60	62.64	2,524.60	-8,419.89	8,246.34	8,173.63	72.71	113.417		
3,500.00	3,295.12	3,160.12	3,160.12	22.63	54.19	62.87	2,524.60	-8,419.89	8,226.55	8,151.48	75.07	109.582		
3,600.00	3,386.61	3,251.61	3,251.61	23.44	55.79	63.11	2,524.60	-8,419.89	8,206.91	8,129.47	77.44	105.980		
3,700.00	3,478.10	3,343.10	3,343.10	24.25	57.39	63.34	2,524.60	-8,419.89	8,187.42	8,107.61	79.81	102.589		
3,800.00	3,569.60	3,434.60	3,434.60	25.06	58.99	63.58	2,524.60	-8,419.89	8,168.08	8,085.90	82.18	99.393		
3,900.00	3,661.09	3,526.09	3,526.09	25.88	60.58	63.81	2,524.60	-8,419.89	8,148.89	8,064.34	84.55	96.375		
4,000.00	3,752.59	3,617.59	3,617.59	26.69	62.18	64.05	2,524.60	-8,419.89	8,129.87	8,042.93	86.93	93.521		
4,100.00	3,844.08	3,709.08	3,709.08	27.50	63.78	64.29	2,524.60	-8,419.89	8,110.99	8,021.68	89.31	90.818		
4,200.00	3,935.58	3,800.58	3,800.58	28.32	65.37	64.53	2,524.60	-8,419.89	8,092.28	8,000.58	91.69	88.254		
4,300.00	4,027.07	3,907.93	3,892.07	29.13	67.25	64.77	2,524.60	-8,419.89	8,073.72	7,979.37	94.35	85.568		
4,400.00	4,118.57	3,983.57	3,983.57	29.95	68.57	65.01	2,524.60	-8,419.89	8,055.32	7,958.86	96.46	83.505		
4,500.00	4,210.06	4,075.06	4,075.06	30.76	70.16	65.25	2,524.60	-8,419.89	8,037.09	7,938.23	98.85	81.302		
4,600.00	4,301.56	4,166.56	4,166.56	31.58	71.76	65.50	2,524.60	-8,419.89	8,019.01	7,917.76	101.25	79.203		
4,700.00	4,393.05	4,258.05	4,258.05	32.39	73.36	65.74	2,524.60	-8,419.89	8,001.10	7,897.46	103.64	77.201		
4,800.00	4,484.55	4,349.55	4,349.55	33.21	74.95	65.99	2,524.60	-8,419.89	7,983.35	7,877.31	106.04	75.289		
4,900.00	4,576.04	4,441.04	4,441.04	34.02	76.55	66.23	2,524.60	-8,419.89	7,965.76	7,857.33	108.43	73.461		
5,000.00	4,667.54	4,532.54	4,532.54	34.84	78.15	66.48	2,524.60	-8,419.89	7,948.35	7,837.51	110.84	71.713		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - SI VERT DUPPER 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	4,759.03	4,624.03	4,624.03	35.65	79.74	66.73	2,524.60	-8,419.89	7,931.10	7,817.86	113.24	70.039		
5,200.00	4,850.53	4,715.53	4,715.53	36.47	81.34	66.98	2,524.60	-8,419.89	7,914.01	7,798.37	115.64	68.434		
5,300.00	4,942.02	4,807.02	4,807.02	37.28	82.94	67.23	2,524.60	-8,419.89	7,897.10	7,779.05	118.05	66.896		
5,400.00	5,033.51	4,901.49	4,898.51	38.10	84.59	67.48	2,524.60	-8,419.89	7,880.36	7,759.85	120.51	65.390		
5,500.00	5,125.01	5,009.99	4,990.01	38.92	86.48	67.73	2,524.60	-8,419.89	7,863.79	7,740.57	123.22	63.819		
5,600.00	5,216.50	5,081.50	5,081.50	39.73	87.73	67.99	2,524.60	-8,419.89	7,847.39	7,722.10	125.29	62.636		
5,700.00	5,308.00	5,173.00	5,173.00	40.55	89.33	68.24	2,524.60	-8,419.89	7,831.16	7,703.46	127.70	61.324		
5,800.00	5,399.49	5,264.49	5,264.49	41.36	90.92	68.49	2,524.60	-8,419.89	7,815.11	7,684.99	130.12	60.062		
5,900.00	5,490.99	5,355.99	5,355.99	42.18	92.52	68.75	2,524.60	-8,419.89	7,799.24	7,666.70	132.54	58.846		
6,000.00	5,582.48	5,447.48	5,447.48	43.00	94.12	69.01	2,524.60	-8,419.89	7,783.54	7,648.58	134.96	57.674		
6,100.00	5,673.98	5,538.98	5,538.98	43.81	95.71	69.26	2,524.60	-8,419.89	7,768.02	7,630.64	137.38	56.544		
6,200.00	5,765.47	5,630.47	5,630.47	44.63	97.31	69.52	2,524.60	-8,419.89	7,752.68	7,612.87	139.81	55.453		
6,300.00	5,856.97	5,721.97	5,721.97	45.45	98.91	69.78	2,524.60	-8,419.89	7,737.52	7,595.29	142.23	54.401		
6,400.00	5,948.46	5,813.46	5,813.46	46.26	100.50	70.04	2,524.60	-8,419.89	7,722.54	7,577.88	144.66	53.384		
6,500.00	6,039.96	5,904.96	5,904.96	47.08	102.10	70.30	2,524.60	-8,419.89	7,707.74	7,560.65	147.09	52.402		
6,600.00	6,131.45	6,003.55	5,996.45	47.90	103.82	70.56	2,524.60	-8,419.89	7,693.13	7,543.48	149.64	51.409		
6,700.00	6,222.95	6,087.95	6,087.95	48.71	105.29	70.83	2,524.60	-8,419.89	7,678.70	7,526.74	151.95	50.533		
6,800.00	6,314.44	6,179.44	6,179.44	49.53	106.89	71.09	2,524.60	-8,419.89	7,664.45	7,510.06	154.39	49.644		
6,900.00	6,405.93	6,270.93	6,270.93	50.35	108.49	71.35	2,524.60	-8,419.89	7,650.39	7,493.57	156.82	48.784		
7,000.00	6,497.01	6,362.01	6,362.01	51.18	110.08	66.92	2,524.60	-8,419.89	7,635.43	7,476.17	159.27	47.941		
7,100.00	6,588.62	6,447.62	6,447.62	52.20	111.57	60.01	2,524.60	-8,419.89	7,608.91	7,447.16	161.75	47.041		
7,200.00	6,659.25	6,524.25	6,524.25	53.42	112.91	57.83	2,524.60	-8,419.89	7,568.90	7,404.68	164.22	46.090		
7,300.00	6,724.59	6,589.59	6,589.59	54.84	114.05	58.91	2,524.60	-8,419.89	7,516.73	7,350.13	166.60	45.118		
7,400.00	6,776.64	6,641.64	6,641.64	56.40	114.96	62.85	2,524.60	-8,419.89	7,454.06	7,285.23	168.83	44.151		
7,500.00	6,813.82	6,678.82	6,678.82	58.08	115.61	69.79	2,524.60	-8,419.89	7,382.86	7,212.02	170.84	43.216		
7,600.00	6,835.01	6,700.01	6,700.01	59.82	115.98	80.00	2,524.60	-8,419.89	7,305.29	7,132.74	172.55	42.337		
7,700.00	6,840.00	6,705.00	6,705.00	61.57	116.06	90.00	2,524.60	-8,419.89	7,223.77	7,049.84	173.94	41.531		
7,800.00	6,840.00	6,705.00	6,705.00	63.35	116.06	90.00	2,524.60	-8,419.89	7,141.74	6,966.50	175.24	40.754		
7,900.00	6,840.00	6,705.00	6,705.00	65.20	116.06	90.00	2,524.60	-8,419.89	7,060.17	6,883.57	176.60	39.979		
8,000.00	6,840.00	6,705.00	6,705.00	67.10	116.06	90.00	2,524.60	-8,419.89	6,979.08	6,801.08	178.00	39.208		
8,100.00	6,840.00	6,705.00	6,705.00	69.05	116.06	90.00	2,524.60	-8,419.89	6,898.48	6,719.03	179.45	38.442		
8,200.00	6,840.00	6,705.00	6,705.00	71.06	116.06	90.00	2,524.60	-8,419.89	6,818.40	6,637.44	180.96	37.679		
8,300.00	6,840.00	6,705.00	6,705.00	73.11	116.06	90.00	2,524.60	-8,419.89	6,738.85	6,556.34	182.51	36.923		
8,400.00	6,840.00	6,705.00	6,705.00	75.21	116.06	90.00	2,524.60	-8,419.89	6,659.86	6,475.74	184.12	36.171		
8,500.00	6,840.00	6,705.00	6,705.00	77.34	116.06	90.00	2,524.60	-8,419.89	6,581.43	6,395.65	185.78	35.426		
8,600.00	6,840.00	6,705.00	6,705.00	79.51	116.06	90.00	2,524.60	-8,419.89	6,503.60	6,316.11	187.49	34.688		
8,700.00	6,840.00	6,705.00	6,705.00	81.72	116.06	90.00	2,524.60	-8,419.89	6,426.38	6,237.12	189.26	33.956		
8,800.00	6,840.00	6,705.00	6,705.00	83.95	116.06	90.00	2,524.60	-8,419.89	6,349.79	6,158.72	191.07	33.232		
8,900.00	6,840.00	6,705.00	6,705.00	86.22	116.06	90.00	2,524.60	-8,419.89	6,273.87	6,080.92	192.95	32.516		
9,000.00	6,840.00	6,705.00	6,705.00	88.51	116.06	90.00	2,524.60	-8,419.89	6,198.63	6,003.75	194.87	31.809		
9,100.00	6,840.00	6,705.00	6,705.00	90.83	116.06	90.00	2,524.60	-8,419.89	6,124.09	5,927.24	196.85	31.110		
9,200.00	6,840.00	6,705.00	6,705.00	93.16	116.06	90.00	2,524.60	-8,419.89	6,050.29	5,851.40	198.89	30.420		
9,300.00	6,840.00	6,705.00	6,705.00	95.52	116.06	90.00	2,524.60	-8,419.89	5,977.26	5,776.28	200.98	29.740		
9,400.00	6,840.00	6,705.00	6,705.00	97.90	116.06	90.00	2,524.60	-8,419.89	5,905.01	5,701.88	203.13	29.070		
9,500.00	6,840.00	6,705.00	6,705.00	100.30	116.06	90.00	2,524.60	-8,419.89	5,833.58	5,628.25	205.33	28.411		
9,600.00	6,840.00	6,705.00	6,705.00	102.72	116.06	90.00	2,524.60	-8,419.89	5,763.01	5,555.42	207.59	27.761		
9,700.00	6,840.00	6,705.00	6,705.00	105.15	116.06	90.00	2,524.60	-8,419.89	5,693.31	5,483.40	209.90	27.123		
9,800.00	6,840.00	6,705.00	6,705.00	107.59	116.06	90.00	2,524.60	-8,419.89	5,624.53	5,412.25	212.27	26.496		
9,900.00	6,840.00	6,705.00	6,705.00	110.05	116.06	90.00	2,524.60	-8,419.89	5,556.70	5,342.00	214.70	25.881		
10,000.00	6,840.00	6,705.00	6,705.00	112.52	116.06	90.00	2,524.60	-8,419.89	5,489.85	5,272.66	217.18	25.278		
10,100.00	6,840.00	6,705.00	6,705.00	115.00	116.06	90.00	2,524.60	-8,419.89	5,424.02	5,204.30	219.72	24.687		
10,200.00	6,840.00	6,705.00	6,705.00	117.50	116.06	90.00	2,524.60	-8,419.89	5,359.24	5,136.94	222.30	24.108		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - SI VERT DUPPER 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		
10,300.00	6,840.00	6,705.00	6,705.00	120.00	116.06	90.00	2,524.60	-8,419.89	5,295.57	5,070.62	224.95	23.541		
10,400.00	6,840.00	6,705.00	6,705.00	122.51	116.06	90.00	2,524.60	-8,419.89	5,233.03	5,005.39	227.64	22.988		
10,500.00	6,840.00	6,705.00	6,705.00	125.04	116.06	90.00	2,524.60	-8,419.89	5,171.67	4,941.28	230.39	22.448		
10,600.00	6,840.00	6,705.00	6,705.00	127.57	116.06	90.00	2,524.60	-8,419.89	5,111.52	4,878.34	233.18	21.921		
10,700.00	6,840.00	6,705.00	6,705.00	130.11	116.06	90.00	2,524.60	-8,419.89	5,052.64	4,816.62	236.02	21.408		
10,800.00	6,840.00	6,705.00	6,705.00	132.66	116.06	90.00	2,524.60	-8,419.89	4,995.07	4,756.16	238.91	20.908		
10,900.00	6,840.00	6,705.00	6,705.00	135.21	116.06	90.00	2,524.60	-8,419.89	4,938.86	4,697.02	241.84	20.422		
11,000.00	6,840.00	6,705.00	6,705.00	137.77	116.06	90.00	2,524.60	-8,419.89	4,884.04	4,639.23	244.81	19.950		
11,100.00	6,840.00	6,705.00	6,705.00	140.34	116.06	90.00	2,524.60	-8,419.89	4,830.67	4,582.85	247.82	19.493		
11,200.00	6,840.00	6,705.00	6,705.00	142.91	116.06	90.00	2,524.60	-8,419.89	4,778.80	4,527.93	250.87	19.049		
11,300.00	6,840.00	6,705.00	6,705.00	145.49	116.06	90.00	2,524.60	-8,419.89	4,728.48	4,474.53	253.94	18.620		
11,400.00	6,840.00	6,705.00	6,705.00	148.07	116.06	90.00	2,524.60	-8,419.89	4,679.75	4,422.70	257.05	18.206		
11,500.00	6,840.00	6,705.00	6,705.00	150.66	116.06	90.00	2,524.60	-8,419.89	4,632.66	4,372.49	260.17	17.806		
11,600.00	6,840.00	6,705.00	6,705.00	153.25	116.06	90.00	2,524.60	-8,419.89	4,587.28	4,323.96	263.32	17.421		
11,700.00	6,840.00	6,705.00	6,705.00	155.85	116.06	90.00	2,524.60	-8,419.89	4,543.64	4,277.16	266.48	17.051		
11,800.00	6,840.00	6,705.00	6,705.00	158.45	116.06	90.00	2,524.60	-8,419.89	4,501.80	4,232.16	269.64	16.695		
11,900.00	6,840.00	6,705.00	6,705.00	161.06	116.06	90.00	2,524.60	-8,419.89	4,461.81	4,189.00	272.81	16.355		
12,000.00	6,840.00	6,705.00	6,705.00	163.67	116.06	90.00	2,524.60	-8,419.89	4,423.72	4,147.74	275.98	16.029		
12,100.00	6,840.00	6,705.00	6,705.00	166.28	116.06	90.00	2,524.60	-8,419.89	4,387.58	4,108.44	279.14	15.718		
12,200.00	6,840.00	6,705.00	6,705.00	168.90	116.06	90.00	2,524.60	-8,419.89	4,353.43	4,071.15	282.28	15.422		
12,300.00	6,840.00	6,705.00	6,705.00	171.52	116.06	90.00	2,524.60	-8,419.89	4,321.33	4,035.93	285.40	15.141		
12,400.00	6,840.00	6,705.00	6,705.00	174.15	116.06	90.00	2,524.60	-8,419.89	4,291.32	4,002.84	288.49	14.875		
12,500.00	6,840.00	6,705.00	6,705.00	176.77	116.06	90.00	2,524.60	-8,419.89	4,263.45	3,971.91	291.54	14.624		
12,600.00	6,840.00	6,705.00	6,705.00	179.40	116.06	90.00	2,524.60	-8,419.89	4,237.75	3,943.21	294.54	14.387		
12,700.00	6,840.00	6,705.00	6,705.00	182.04	116.06	90.00	2,524.60	-8,419.89	4,214.27	3,916.77	297.50	14.166		
12,800.00	6,840.00	6,705.00	6,705.00	184.67	116.06	90.00	2,524.60	-8,419.89	4,193.05	3,892.65	300.40	13.958		
12,900.00	6,840.00	6,705.00	6,705.00	187.31	116.06	90.00	2,524.60	-8,419.89	4,174.11	3,870.88	303.22	13.766		
13,000.00	6,840.00	6,705.00	6,705.00	189.95	116.06	90.00	2,524.60	-8,419.89	4,157.49	3,851.51	305.98	13.587		
13,100.00	6,840.00	6,705.00	6,705.00	192.59	116.06	90.00	2,524.60	-8,419.89	4,143.22	3,834.57	308.65	13.423		
13,200.00	6,840.00	6,705.00	6,705.00	195.24	116.06	90.00	2,524.60	-8,419.89	4,131.32	3,820.08	311.24	13.274		
13,300.00	6,840.00	6,705.00	6,705.00	197.88	116.06	90.00	2,524.60	-8,419.89	4,121.81	3,808.08	313.73	13.138		
13,400.00	6,840.00	6,705.00	6,705.00	200.53	116.06	90.00	2,524.60	-8,419.89	4,114.72	3,798.59	316.13	13.016		
13,500.00	6,840.00	6,705.00	6,705.00	203.18	116.06	90.00	2,524.60	-8,419.89	4,110.04	3,791.63	318.42	12.908		
13,600.00	6,840.00	6,705.00	6,705.00	205.83	116.06	90.00	2,524.60	-8,419.89	4,107.80	3,787.20	320.59	12.813		
13,642.28	6,840.00	6,705.00	6,705.00	206.96	116.06	90.00	2,524.60	-8,419.89	4,107.58	3,786.10	321.48	12.777	CC	
13,700.00	6,840.00	6,705.00	6,705.00	208.49	116.06	90.00	2,524.60	-8,419.89	4,107.98	3,785.33	322.66	12.732	ES	
13,800.00	6,840.00	6,705.00	6,705.00	211.14	116.06	90.00	2,524.60	-8,419.89	4,110.61	3,786.00	324.60	12.664		
13,900.00	6,840.00	6,705.00	6,705.00	213.80	116.06	90.00	2,524.60	-8,419.89	4,115.66	3,789.23	326.43	12.608		
14,000.00	6,840.00	6,705.00	6,705.00	216.46	116.06	90.00	2,524.60	-8,419.89	4,123.13	3,795.00	328.12	12.566		
14,100.00	6,840.00	6,705.00	6,705.00	219.12	116.06	90.00	2,524.60	-8,419.89	4,133.00	3,803.30	329.70	12.536		
14,200.00	6,840.00	6,705.00	6,705.00	221.78	116.06	90.00	2,524.60	-8,419.89	4,145.27	3,814.12	331.15	12.518		
14,300.00	6,840.00	6,705.00	6,705.00	224.45	116.06	90.00	2,524.60	-8,419.89	4,159.90	3,827.44	332.47	12.512	SF	
14,400.00	6,840.00	6,705.00	6,705.00	227.11	116.06	90.00	2,524.60	-8,419.89	4,176.88	3,843.22	333.66	12.518		
14,500.00	6,840.00	6,705.00	6,705.00	229.78	116.06	90.00	2,524.60	-8,419.89	4,196.17	3,861.45	334.73	12.536		
14,600.00	6,840.00	6,705.00	6,705.00	232.45	116.06	90.00	2,524.60	-8,419.89	4,217.75	3,882.08	335.67	12.565		
14,700.00	6,840.00	6,705.00	6,705.00	235.12	116.06	90.00	2,524.60	-8,419.89	4,241.58	3,905.09	336.49	12.605		
14,800.00	6,840.00	6,705.00	6,705.00	237.79	116.06	90.00	2,524.60	-8,419.89	4,267.61	3,930.42	337.19	12.656		
14,900.00	6,840.00	6,705.00	6,705.00	240.46	116.06	90.00	2,524.60	-8,419.89	4,295.82	3,958.04	337.78	12.718		
15,000.00	6,840.00	6,705.00	6,705.00	243.13	116.06	90.00	2,524.60	-8,419.89	4,326.15	3,987.91	338.25	12.790		
15,100.00	6,840.00	6,705.00	6,705.00	245.80	116.06	90.00	2,524.60	-8,419.89	4,358.57	4,019.96	338.61	12.872		
15,200.00	6,840.00	6,705.00	6,705.00	248.48	116.06	90.00	2,524.60	-8,419.89	4,393.03	4,054.16	338.87	12.964		
15,300.00	6,840.00	6,705.00	6,705.00	251.15	116.06	90.00	2,524.60	-8,419.89	4,429.47	4,090.45	339.02	13.065		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - SI VERT DUPPER 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		
15,400.00	6,840.00	6,705.00	6,705.00	253.83	116.06	90.00	2,524.60	-8,419.89	4,467.86	4,128.78	339.08	13.176		
15,500.00	6,840.00	6,705.00	6,705.00	256.51	116.06	90.00	2,524.60	-8,419.89	4,508.14	4,169.09	339.05	13.296		
15,600.00	6,840.00	6,705.00	6,705.00	259.19	116.06	90.00	2,524.60	-8,419.89	4,550.26	4,211.32	338.94	13.425		
15,700.00	6,840.00	6,705.00	6,705.00	261.87	116.06	90.00	2,524.60	-8,419.89	4,594.17	4,255.43	338.74	13.563		
15,800.00	6,840.00	6,705.00	6,705.00	264.55	116.06	90.00	2,524.60	-8,419.89	4,639.82	4,301.36	338.46	13.708		
15,900.00	6,840.00	6,705.00	6,705.00	267.23	116.06	90.00	2,524.60	-8,419.89	4,687.16	4,349.05	338.12	13.863		
16,000.00	6,840.00	6,705.00	6,705.00	269.91	116.06	90.00	2,524.60	-8,419.89	4,736.14	4,398.44	337.71	14.024		
16,100.00	6,840.00	6,705.00	6,705.00	272.59	116.06	90.00	2,524.60	-8,419.89	4,786.71	4,449.48	337.23	14.194		
16,200.00	6,840.00	6,705.00	6,705.00	275.28	116.06	90.00	2,524.60	-8,419.89	4,838.82	4,502.12	336.70	14.371		
16,300.00	6,840.00	6,705.00	6,705.00	277.96	116.06	90.00	2,524.60	-8,419.89	4,892.41	4,556.30	336.11	14.556		
16,400.00	6,840.00	6,705.00	6,705.00	280.64	116.06	90.00	2,524.60	-8,419.89	4,947.45	4,611.97	335.48	14.747		
16,500.00	6,840.00	6,705.00	6,705.00	283.33	116.06	90.00	2,524.60	-8,419.89	5,003.88	4,669.07	334.80	14.946		
16,600.00	6,840.00	6,705.00	6,705.00	286.02	116.06	90.00	2,524.60	-8,419.89	5,061.65	4,727.57	334.09	15.151		
16,700.00	6,840.00	6,705.00	6,705.00	288.70	116.06	90.00	2,524.60	-8,419.89	5,120.73	4,787.40	333.33	15.362		
16,800.00	6,840.00	6,705.00	6,705.00	291.39	116.06	90.00	2,524.60	-8,419.89	5,181.06	4,848.52	332.54	15.580		
16,900.00	6,840.00	6,705.00	6,705.00	294.08	116.06	90.00	2,524.60	-8,419.89	5,242.61	4,910.88	331.73	15.804		
17,000.00	6,840.00	6,705.00	6,705.00	296.77	116.06	90.00	2,524.60	-8,419.89	5,305.33	4,974.44	330.89	16.034		
17,100.00	6,840.00	6,705.00	6,705.00	299.46	116.06	90.00	2,524.60	-8,419.89	5,369.17	5,039.15	330.02	16.269		
17,200.00	6,840.00	6,705.00	6,705.00	302.14	116.06	90.00	2,524.60	-8,419.89	5,434.11	5,104.98	329.14	16.510		
17,300.00	6,840.00	6,705.00	6,705.00	304.84	116.06	90.00	2,524.60	-8,419.89	5,500.10	5,171.87	328.23	16.757		
17,400.00	6,840.00	6,705.00	6,705.00	307.53	116.06	90.00	2,524.60	-8,419.89	5,567.11	5,239.79	327.32	17.008		
17,500.00	6,840.00	6,705.00	6,705.00	310.22	116.06	90.00	2,524.60	-8,419.89	5,635.09	5,308.70	326.39	17.265		
17,600.00	6,840.00	6,705.00	6,705.00	312.91	116.06	90.00	2,524.60	-8,419.89	5,704.01	5,378.57	325.45	17.527		
17,700.00	6,840.00	6,705.00	6,705.00	315.60	116.06	90.00	2,524.60	-8,419.89	5,773.85	5,449.35	324.50	17.793		
17,800.00	6,840.00	6,705.00	6,705.00	318.29	116.06	90.00	2,524.60	-8,419.89	5,844.56	5,521.01	323.54	18.064		
17,900.00	6,840.00	6,705.00	6,705.00	320.99	116.06	90.00	2,524.60	-8,419.89	5,916.11	5,593.53	322.58	18.340		
18,000.00	6,840.00	6,705.00	6,705.00	323.68	116.06	90.00	2,524.60	-8,419.89	5,988.48	5,666.86	321.62	18.620		
18,100.00	6,840.00	6,705.00	6,705.00	326.38	116.06	90.00	2,524.60	-8,419.89	6,061.64	5,740.98	320.66	18.904		
18,200.00	6,840.00	6,705.00	6,705.00	329.07	116.06	90.00	2,524.60	-8,419.89	6,135.55	5,815.86	319.69	19.192		
18,300.00	6,840.00	6,705.00	6,705.00	331.77	116.06	90.00	2,524.60	-8,419.89	6,210.20	5,891.47	318.73	19.484		
18,400.00	6,840.00	6,705.00	6,705.00	334.46	116.06	90.00	2,524.60	-8,419.89	6,285.55	5,967.78	317.77	19.780		
18,500.00	6,840.00	6,705.00	6,705.00	337.16	116.06	90.00	2,524.60	-8,419.89	6,361.58	6,044.77	316.81	20.080		
18,600.00	6,840.00	6,705.00	6,705.00	339.85	116.06	90.00	2,524.60	-8,419.89	6,438.26	6,122.40	315.85	20.384		
18,700.00	6,840.00	6,705.00	6,705.00	342.55	116.06	90.00	2,524.60	-8,419.89	6,515.58	6,200.67	314.91	20.691		
18,800.00	6,840.00	6,705.00	6,705.00	345.25	116.06	90.00	2,524.60	-8,419.89	6,593.50	6,279.54	313.96	21.001		
18,900.00	6,840.00	6,705.00	6,705.00	347.94	116.06	90.00	2,524.60	-8,419.89	6,672.02	6,358.99	313.03	21.315		
19,000.00	6,840.00	6,705.00	6,705.00	350.64	116.06	90.00	2,524.60	-8,419.89	6,751.10	6,439.01	312.10	21.631		
19,100.00	6,840.00	6,705.00	6,705.00	353.34	116.06	90.00	2,524.60	-8,419.89	6,830.73	6,519.56	311.17	21.952		
19,200.00	6,840.00	6,705.00	6,705.00	356.04	116.06	90.00	2,524.60	-8,419.89	6,910.89	6,600.63	310.26	22.275		
19,300.00	6,840.00	6,705.00	6,705.00	358.74	116.06	90.00	2,524.60	-8,419.89	6,991.57	6,682.21	309.35	22.601		
19,400.00	6,840.00	6,705.00	6,705.00	361.44	116.06	90.00	2,524.60	-8,419.89	7,072.73	6,764.28	308.46	22.929		
19,500.00	6,840.00	6,705.00	6,705.00	364.13	116.06	90.00	2,524.60	-8,419.89	7,154.38	6,846.81	307.57	23.261		
19,600.00	6,840.00	6,705.00	6,705.00	366.83	116.06	90.00	2,524.60	-8,419.89	7,236.48	6,929.79	306.69	23.595		
19,700.00	6,840.00	6,705.00	6,705.00	369.53	116.06	90.00	2,524.60	-8,419.89	7,319.03	7,013.21	305.82	23.932		
19,800.00	6,840.00	6,705.00	6,705.00	372.23	116.06	90.00	2,524.60	-8,419.89	7,402.01	7,097.05	304.96	24.272		
19,900.00	6,840.00	6,705.00	6,705.00	374.94	116.06	90.00	2,524.60	-8,419.89	7,485.40	7,181.29	304.11	24.614		
20,000.00	6,840.00	6,705.00	6,705.00	377.64	116.06	90.00	2,524.60	-8,419.89	7,569.20	7,265.93	303.28	24.958		
20,100.00	6,840.00	6,705.00	6,705.00	380.34	116.06	90.00	2,524.60	-8,419.89	7,653.39	7,350.94	302.45	25.305		
20,200.00	6,840.00	6,705.00	6,705.00	383.04	116.06	90.00	2,524.60	-8,419.89	7,737.95	7,436.32	301.63	25.654		
20,300.00	6,840.00	6,705.00	6,705.00	385.74	116.06	90.00	2,524.60	-8,419.89	7,822.88	7,522.06	300.82	26.005		
20,400.00	6,840.00	6,705.00	6,705.00	388.44	116.06	90.00	2,524.60	-8,419.89	7,908.16	7,608.13	300.03	26.358		
20,500.00	6,840.00	6,705.00	6,705.00	391.14	116.06	90.00	2,524.60	-8,419.89	7,993.78	7,694.54	299.24	26.714		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - SI VERT DUPPER 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	
20,552.28	6,840.00	6,705.00	6,705.00	392.56	116.06	90.00	2,524.60	-8,419.89	8,038.67	7,739.84	298.83	26.900	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - SI VERT SHELTON R G 26-2 - 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	-71.47	2,400.34	-7,161.72	7,554.48					
100.00	100.00	0.00	0.00	0.13	0.00	-71.47	2,400.34	-7,161.72	7,553.35	7,553.22	0.13	N/A		
151.28	151.28	16.28	16.28	0.32	0.13	-71.47	2,400.34	-7,161.72	7,553.27	7,552.83	0.45	N/A		
200.00	200.00	65.00	65.00	0.49	0.51	-71.47	2,400.34	-7,161.72	7,553.27	7,552.27	1.00	7,527.618		
300.00	300.00	165.00	165.00	0.85	1.92	-71.47	2,400.34	-7,161.72	7,553.27	7,550.50	2.77	2,725.599		
400.00	399.98	264.98	264.98	1.20	3.66	56.61	2,400.34	-7,161.72	7,552.31	7,547.45	4.86	1,553.248		
500.00	499.84	364.84	364.84	1.55	5.41	56.69	2,400.34	-7,161.72	7,549.43	7,542.48	6.95	1,086.025		
600.00	599.45	464.45	464.45	1.91	7.15	56.82	2,400.34	-7,161.72	7,544.64	7,535.59	9.05	833.581		
700.00	698.70	563.70	563.70	2.29	8.88	57.01	2,400.34	-7,161.72	7,537.95	7,526.79	11.16	675.421		
800.00	797.47	662.47	662.47	2.70	10.60	57.26	2,400.34	-7,161.72	7,529.39	7,516.11	13.28	566.915		
900.00	895.62	760.62	760.62	3.14	12.32	57.55	2,400.34	-7,161.72	7,518.97	7,503.56	15.42	487.749		
1,000.00	993.06	858.06	858.06	3.62	14.02	57.91	2,400.34	-7,161.72	7,506.74	7,489.17	17.57	427.357		
1,100.00	1,089.64	954.64	954.64	4.14	15.70	58.31	2,400.34	-7,161.72	7,492.72	7,472.99	19.73	379.709		
1,200.00	1,185.27	1,050.27	1,050.27	4.70	17.37	58.77	2,400.34	-7,161.72	7,476.96	7,455.04	21.92	341.112		
1,300.00	1,279.82	1,144.82	1,144.82	5.31	19.02	59.28	2,400.34	-7,161.72	7,459.51	7,435.38	24.13	309.179		
1,400.00	1,373.17	1,238.17	1,238.17	5.98	20.65	59.84	2,400.34	-7,161.72	7,440.42	7,414.06	26.36	282.299		
1,500.00	1,465.22	1,330.22	1,330.22	6.70	22.26	60.41	2,400.34	-7,161.72	7,419.75	7,391.14	28.61	259.340		
1,600.00	1,556.72	1,421.72	1,421.72	7.45	23.85	60.67	2,400.34	-7,161.72	7,398.55	7,367.67	30.88	239.588		
1,700.00	1,648.21	1,513.21	1,513.21	8.21	25.45	60.92	2,400.34	-7,161.72	7,377.51	7,344.34	33.17	222.446		
1,800.00	1,739.71	1,604.71	1,604.71	8.99	27.05	61.18	2,400.34	-7,161.72	7,356.63	7,321.17	35.46	207.449		
1,900.00	1,831.20	1,703.80	1,696.20	9.77	28.78	61.44	2,400.34	-7,161.72	7,335.91	7,298.01	37.90	193.550		
2,000.00	1,922.69	1,787.69	1,787.69	10.56	30.24	61.70	2,400.34	-7,161.72	7,315.36	7,275.28	40.08	182.499		
2,100.00	2,014.19	1,879.19	1,879.19	11.35	31.84	61.96	2,400.34	-7,161.72	7,294.97	7,252.57	42.41	172.023		
2,200.00	2,105.68	1,970.68	1,970.68	12.14	33.44	62.22	2,400.34	-7,161.72	7,274.75	7,230.02	44.74	162.616		
2,300.00	2,197.18	2,062.18	2,062.18	12.94	35.03	62.48	2,400.34	-7,161.72	7,254.70	7,207.63	47.07	154.125		
2,400.00	2,288.67	2,153.67	2,153.67	13.74	36.63	62.75	2,400.34	-7,161.72	7,234.82	7,185.41	49.41	146.424		
2,500.00	2,380.17	2,245.17	2,245.17	14.54	38.23	63.01	2,400.34	-7,161.72	7,215.10	7,163.35	51.75	139.410		
2,600.00	2,471.66	2,336.66	2,336.66	15.35	39.82	63.28	2,400.34	-7,161.72	7,195.56	7,141.46	54.10	132.997		
2,700.00	2,563.16	2,428.16	2,428.16	16.15	41.42	63.55	2,400.34	-7,161.72	7,176.20	7,119.74	56.46	127.111		
2,800.00	2,654.65	2,519.65	2,519.65	16.96	43.02	63.82	2,400.34	-7,161.72	7,157.01	7,098.19	58.81	121.690		
2,900.00	2,746.15	2,611.15	2,611.15	17.76	44.61	64.09	2,400.34	-7,161.72	7,137.99	7,076.82	61.17	116.683		
3,000.00	2,837.64	2,702.64	2,702.64	18.57	46.21	64.36	2,400.34	-7,161.72	7,119.16	7,055.62	63.54	112.045		
3,100.00	2,929.14	2,805.86	2,794.14	19.38	48.01	64.64	2,400.34	-7,161.72	7,100.50	7,034.39	66.11	107.403		
3,200.00	3,020.63	2,885.63	2,885.63	20.19	49.40	64.91	2,400.34	-7,161.72	7,082.02	7,013.74	68.28	103.724		
3,300.00	3,112.13	2,977.13	2,977.13	21.00	51.00	65.19	2,400.34	-7,161.72	7,063.73	6,993.08	70.65	99.980		
3,400.00	3,203.62	3,068.62	3,068.62	21.81	52.60	65.46	2,400.34	-7,161.72	7,045.62	6,972.59	73.03	96.477		
3,500.00	3,295.12	3,160.12	3,160.12	22.63	54.19	65.74	2,400.34	-7,161.72	7,027.69	6,952.28	75.41	93.194		
3,600.00	3,386.61	3,251.61	3,251.61	23.44	55.79	66.02	2,400.34	-7,161.72	7,009.95	6,932.16	77.79	90.111		
3,700.00	3,478.10	3,343.10	3,343.10	24.25	57.39	66.30	2,400.34	-7,161.72	6,992.40	6,912.22	80.18	87.210		
3,800.00	3,569.60	3,434.60	3,434.60	25.06	58.99	66.58	2,400.34	-7,161.72	6,975.04	6,892.47	82.57	84.477		
3,900.00	3,661.09	3,526.09	3,526.09	25.88	60.58	66.87	2,400.34	-7,161.72	6,957.87	6,872.91	84.96	81.896		
4,000.00	3,752.59	3,617.59	3,617.59	26.69	62.18	67.15	2,400.34	-7,161.72	6,940.89	6,853.54	87.35	79.457		
4,100.00	3,844.08	3,709.08	3,709.08	27.50	63.78	67.44	2,400.34	-7,161.72	6,924.11	6,834.36	89.75	77.148		
4,200.00	3,935.58	3,800.58	3,800.58	28.32	65.37	67.72	2,400.34	-7,161.72	6,907.52	6,815.37	92.15	74.959		
4,300.00	4,027.07	3,907.93	3,892.07	29.13	67.25	68.01	2,400.34	-7,161.72	6,891.12	6,796.30	94.83	72.669		
4,400.00	4,118.57	3,983.57	3,983.57	29.95	68.57	68.30	2,400.34	-7,161.72	6,874.93	6,777.97	96.96	70.907		
4,500.00	4,210.06	4,075.06	4,075.06	30.76	70.16	68.59	2,400.34	-7,161.72	6,858.93	6,759.57	99.36	69.029		
4,600.00	4,301.56	4,166.56	4,166.56	31.58	71.76	68.88	2,400.34	-7,161.72	6,843.14	6,741.36	101.77	67.239		
4,700.00	4,393.05	4,258.05	4,258.05	32.39	73.36	69.17	2,400.34	-7,161.72	6,827.54	6,723.36	104.18	65.534		
4,800.00	4,484.55	4,349.55	4,349.55	33.21	74.95	69.47	2,400.34	-7,161.72	6,812.15	6,705.56	106.60	63.905		
4,900.00	4,576.04	4,441.04	4,441.04	34.02	76.55	69.76	2,400.34	-7,161.72	6,796.97	6,687.95	109.01	62.350		
5,000.00	4,667.54	4,532.54	4,532.54	34.84	78.15	70.06	2,400.34	-7,161.72	6,781.99	6,670.56	111.43	60.863		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - SI VERT SHELTON R G 26-2 - 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	4,759.03	4,624.03	4,624.03	35.65	79.74	70.36	2,400.34	-7,161.72	6,767.22	6,653.37	113.85	59.439		
5,200.00	4,850.53	4,715.53	4,715.53	36.47	81.34	70.65	2,400.34	-7,161.72	6,752.65	6,636.38	116.27	58.076		
5,300.00	4,942.02	4,807.02	4,807.02	37.28	82.94	70.95	2,400.34	-7,161.72	6,738.30	6,619.60	118.70	56.769		
5,400.00	5,033.51	4,901.49	4,898.51	38.10	84.59	71.25	2,400.34	-7,161.72	6,724.16	6,602.99	121.17	55.492		
5,500.00	5,125.01	5,009.99	4,990.01	38.92	86.48	71.56	2,400.34	-7,161.72	6,710.23	6,586.33	123.90	54.159		
5,600.00	5,216.50	5,081.50	5,081.50	39.73	87.73	71.86	2,400.34	-7,161.72	6,696.52	6,570.54	125.98	53.156		
5,700.00	5,308.00	5,173.00	5,173.00	40.55	89.33	72.16	2,400.34	-7,161.72	6,683.02	6,554.61	128.41	52.045		
5,800.00	5,399.49	5,264.49	5,264.49	41.36	90.92	72.47	2,400.34	-7,161.72	6,669.74	6,538.89	130.84	50.975		
5,900.00	5,490.99	5,355.99	5,355.99	42.18	92.52	72.77	2,400.34	-7,161.72	6,656.67	6,523.40	133.28	49.946		
6,000.00	5,582.48	5,447.48	5,447.48	43.00	94.12	73.08	2,400.34	-7,161.72	6,643.83	6,508.12	135.71	48.955		
6,100.00	5,673.98	5,538.98	5,538.98	43.81	95.71	73.39	2,400.34	-7,161.72	6,631.21	6,493.06	138.15	48.000		
6,200.00	5,765.47	5,630.47	5,630.47	44.63	97.31	73.70	2,400.34	-7,161.72	6,618.81	6,478.22	140.59	47.080		
6,300.00	5,856.97	5,721.97	5,721.97	45.45	98.91	74.00	2,400.34	-7,161.72	6,606.63	6,463.60	143.03	46.191		
6,400.00	5,948.46	5,813.46	5,813.46	46.26	100.50	74.32	2,400.34	-7,161.72	6,594.67	6,449.21	145.47	45.334		
6,500.00	6,039.96	5,904.96	5,904.96	47.08	102.10	74.63	2,400.34	-7,161.72	6,582.95	6,435.04	147.91	44.506		
6,600.00	6,131.45	6,003.55	5,996.45	47.90	103.82	74.94	2,400.34	-7,161.72	6,571.45	6,420.97	150.48	43.671		
6,700.00	6,222.95	6,087.95	6,087.95	48.71	105.29	75.25	2,400.34	-7,161.72	6,560.17	6,407.37	152.80	42.934		
6,800.00	6,314.44	6,179.44	6,179.44	49.53	106.89	75.57	2,400.34	-7,161.72	6,549.13	6,393.89	155.24	42.186		
6,900.00	6,405.93	6,270.93	6,270.93	50.35	108.49	75.88	2,400.34	-7,161.72	6,538.32	6,380.63	157.69	41.463		
7,000.00	6,497.01	6,362.01	6,362.01	51.18	110.08	76.16	2,400.34	-7,161.72	6,526.70	6,366.55	160.14	40.755		
7,100.00	6,588.62	6,447.62	6,447.62	52.00	111.57	76.45	2,400.34	-7,161.72	6,514.96	6,351.44	162.65	39.987		
7,200.00	6,659.25	6,524.25	6,524.25	53.42	112.91	76.74	2,400.34	-7,161.72	6,503.89	6,336.57	165.18	39.162		
7,300.00	6,724.59	6,589.59	6,589.59	54.84	114.05	77.03	2,400.34	-7,161.72	6,492.60	6,321.84	167.64	38.307		
7,400.00	6,776.64	6,641.64	6,641.64	56.40	114.96	77.32	2,400.34	-7,161.72	6,481.06	6,307.34	169.97	37.445		
7,500.00	6,813.82	6,678.82	6,678.82	58.08	115.61	77.61	2,400.34	-7,161.72	6,469.20	6,292.60	172.10	36.601		
7,600.00	6,835.01	6,700.01	6,700.01	59.82	115.98	81.79	2,400.34	-7,161.72	6,457.03	6,278.27	173.97	35.797		
7,700.00	6,840.00	6,705.00	6,705.00	61.57	116.06	90.00	2,400.34	-7,161.72	6,444.56	6,263.56	175.53	35.050		
7,800.00	6,840.00	6,705.00	6,705.00	63.35	116.06	90.00	2,400.34	-7,161.72	6,431.80	6,248.52	177.02	34.327		
7,900.00	6,840.00	6,705.00	6,705.00	65.20	116.06	90.00	2,400.34	-7,161.72	6,418.75	6,233.19	178.57	33.609		
8,000.00	6,840.00	6,705.00	6,705.00	67.10	116.06	90.00	2,400.34	-7,161.72	6,405.41	6,217.56	180.18	32.896		
8,100.00	6,840.00	6,705.00	6,705.00	69.05	116.06	90.00	2,400.34	-7,161.72	6,391.78	6,201.65	181.84	32.191		
8,200.00	6,840.00	6,705.00	6,705.00	71.06	116.06	90.00	2,400.34	-7,161.72	6,377.86	6,185.37	183.57	31.492		
8,300.00	6,840.00	6,705.00	6,705.00	73.11	116.06	90.00	2,400.34	-7,161.72	6,363.65	6,168.59	185.35	30.801		
8,400.00	6,840.00	6,705.00	6,705.00	75.21	116.06	90.00	2,400.34	-7,161.72	6,349.15	6,151.26	187.19	30.118		
8,500.00	6,840.00	6,705.00	6,705.00	77.34	116.06	90.00	2,400.34	-7,161.72	6,334.35	6,133.37	189.09	29.443		
8,600.00	6,840.00	6,705.00	6,705.00	79.51	116.06	90.00	2,400.34	-7,161.72	6,319.15	6,115.19	191.05	28.779		
8,700.00	6,840.00	6,705.00	6,705.00	81.72	116.06	90.00	2,400.34	-7,161.72	6,303.55	6,096.59	193.07	28.124		
8,800.00	6,840.00	6,705.00	6,705.00	83.95	116.06	90.00	2,400.34	-7,161.72	6,287.55	6,077.19	195.15	27.479		
8,900.00	6,840.00	6,705.00	6,705.00	86.22	116.06	90.00	2,400.34	-7,161.72	6,271.15	6,056.89	197.28	26.846		
9,000.00	6,840.00	6,705.00	6,705.00	88.51	116.06	90.00	2,400.34	-7,161.72	6,254.35	6,035.59	199.48	26.224		
9,100.00	6,840.00	6,705.00	6,705.00	90.83	116.06	90.00	2,400.34	-7,161.72	6,237.15	6,013.29	201.73	25.613		
9,200.00	6,840.00	6,705.00	6,705.00	93.16	116.06	90.00	2,400.34	-7,161.72	6,219.55	5,989.99	204.03	25.015		
9,300.00	6,840.00	6,705.00	6,705.00	95.52	116.06	90.00	2,400.34	-7,161.72	6,201.55	5,965.69	206.39	24.430		
9,400.00	6,840.00	6,705.00	6,705.00	97.90	116.06	90.00	2,400.34	-7,161.72	6,183.15	5,940.29	208.81	23.858		
9,500.00	6,840.00	6,705.00	6,705.00	100.30	116.06	90.00	2,400.34	-7,161.72	6,164.35	5,913.69	211.27	23.299		
9,600.00	6,840.00	6,705.00	6,705.00	102.72	116.06	90.00	2,400.34	-7,161.72	6,145.15	5,885.89	213.79	22.754		
9,700.00	6,840.00	6,705.00	6,705.00	105.15	116.06	90.00	2,400.34	-7,161.72	6,125.55	5,856.89	216.35	22.223		
9,800.00	6,840.00	6,705.00	6,705.00	107.59	116.06	90.00	2,400.34	-7,161.72	6,105.55	5,826.59	218.96	21.707		
9,900.00	6,840.00	6,705.00	6,705.00	110.05	116.06	90.00	2,400.34	-7,161.72	6,085.15	5,795.19	221.61	21.205		
10,000.00	6,840.00	6,705.00	6,705.00	112.52	116.06	90.00	2,400.34	-7,161.72	6,064.35	5,762.59	224.31	20.718		
10,100.00	6,840.00	6,705.00	6,705.00	115.00	116.06	90.00	2,400.34	-7,161.72	6,043.15	5,728.79	227.04	20.247		
10,200.00	6,840.00	6,705.00	6,705.00	117.50	116.06	90.00	2,400.34	-7,161.72	6,021.55	5,693.79	229.80	19.790		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - SI VERT SHELTON R G 26-2 - 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		
10,300.00	6,840.00	6,705.00	6,705.00	120.00	116.06	90.00	2,400.34	-7,161.72	4,500.74	4,268.14	232.60	19.350		
10,400.00	6,840.00	6,705.00	6,705.00	122.51	116.06	90.00	2,400.34	-7,161.72	4,455.33	4,219.91	235.42	18.925		
10,500.00	6,840.00	6,705.00	6,705.00	125.04	116.06	90.00	2,400.34	-7,161.72	4,411.72	4,173.46	238.26	18.516		
10,600.00	6,840.00	6,705.00	6,705.00	127.57	116.06	90.00	2,400.34	-7,161.72	4,369.96	4,128.84	241.12	18.124		
10,700.00	6,840.00	6,705.00	6,705.00	130.11	116.06	90.00	2,400.34	-7,161.72	4,330.11	4,086.12	243.99	17.747		
10,800.00	6,840.00	6,705.00	6,705.00	132.66	116.06	90.00	2,400.34	-7,161.72	4,292.22	4,045.36	246.86	17.387		
10,900.00	6,840.00	6,705.00	6,705.00	135.21	116.06	90.00	2,400.34	-7,161.72	4,256.34	4,006.60	249.74	17.043		
11,000.00	6,840.00	6,705.00	6,705.00	137.77	116.06	90.00	2,400.34	-7,161.72	4,222.53	3,969.92	252.60	16.716		
11,100.00	6,840.00	6,705.00	6,705.00	140.34	116.06	90.00	2,400.34	-7,161.72	4,190.83	3,935.37	255.46	16.405		
11,200.00	6,840.00	6,705.00	6,705.00	142.91	116.06	90.00	2,400.34	-7,161.72	4,161.29	3,903.00	258.29	16.111		
11,300.00	6,840.00	6,705.00	6,705.00	145.49	116.06	90.00	2,400.34	-7,161.72	4,133.96	3,872.86	261.10	15.833		
11,400.00	6,840.00	6,705.00	6,705.00	148.07	116.06	90.00	2,400.34	-7,161.72	4,108.88	3,845.01	263.87	15.572		
11,500.00	6,840.00	6,705.00	6,705.00	150.66	116.06	90.00	2,400.34	-7,161.72	4,086.10	3,819.50	266.60	15.327		
11,600.00	6,840.00	6,705.00	6,705.00	153.25	116.06	90.00	2,400.34	-7,161.72	4,065.65	3,796.36	269.29	15.098		
11,700.00	6,840.00	6,705.00	6,705.00	155.85	116.06	90.00	2,400.34	-7,161.72	4,047.57	3,775.65	271.92	14.885		
11,800.00	6,840.00	6,705.00	6,705.00	158.45	116.06	90.00	2,400.34	-7,161.72	4,031.88	3,757.40	274.48	14.689		
11,900.00	6,840.00	6,705.00	6,705.00	161.06	116.06	90.00	2,400.34	-7,161.72	4,018.63	3,741.65	276.98	14.509		
12,000.00	6,840.00	6,705.00	6,705.00	163.67	116.06	90.00	2,400.34	-7,161.72	4,007.83	3,728.42	279.40	14.344		
12,100.00	6,840.00	6,705.00	6,705.00	166.28	116.06	90.00	2,400.34	-7,161.72	3,999.50	3,717.75	281.75	14.195		
12,200.00	6,840.00	6,705.00	6,705.00	168.90	116.06	90.00	2,400.34	-7,161.72	3,993.65	3,709.65	284.00	14.062		
12,300.00	6,840.00	6,705.00	6,705.00	171.52	116.06	90.00	2,400.34	-7,161.72	3,990.31	3,704.14	286.16	13.944		
12,383.53	6,840.00	6,705.00	6,705.00	173.71	116.06	90.00	2,400.34	-7,161.72	3,989.43	3,701.54	287.90	13.857	CC	
12,400.00	6,840.00	6,705.00	6,705.00	174.15	116.06	90.00	2,400.34	-7,161.72	3,989.47	3,701.24	288.23	13.841		
12,500.00	6,840.00	6,705.00	6,705.00	176.77	116.06	90.00	2,400.34	-7,161.72	3,991.13	3,700.94	290.19	13.753	ES	
12,600.00	6,840.00	6,705.00	6,705.00	179.40	116.06	90.00	2,400.34	-7,161.72	3,995.30	3,703.25	292.05	13.680		
12,700.00	6,840.00	6,705.00	6,705.00	182.04	116.06	90.00	2,400.34	-7,161.72	4,001.97	3,708.17	293.80	13.621		
12,800.00	6,840.00	6,705.00	6,705.00	184.67	116.06	90.00	2,400.34	-7,161.72	4,011.11	3,715.67	295.44	13.577		
12,900.00	6,840.00	6,705.00	6,705.00	187.31	116.06	90.00	2,400.34	-7,161.72	4,022.73	3,725.76	296.97	13.546		
13,000.00	6,840.00	6,705.00	6,705.00	189.95	116.06	90.00	2,400.34	-7,161.72	4,036.78	3,738.40	298.38	13.529		
13,100.00	6,840.00	6,705.00	6,705.00	192.59	116.06	90.00	2,400.34	-7,161.72	4,053.26	3,753.57	299.68	13.525	SF	
13,200.00	6,840.00	6,705.00	6,705.00	195.24	116.06	90.00	2,400.34	-7,161.72	4,072.13	3,771.25	300.87	13.534		
13,300.00	6,840.00	6,705.00	6,705.00	197.88	116.06	90.00	2,400.34	-7,161.72	4,093.35	3,791.40	301.95	13.556		
13,400.00	6,840.00	6,705.00	6,705.00	200.53	116.06	90.00	2,400.34	-7,161.72	4,116.89	3,813.98	302.91	13.591		
13,500.00	6,840.00	6,705.00	6,705.00	203.18	116.06	90.00	2,400.34	-7,161.72	4,142.72	3,838.95	303.77	13.638		
13,600.00	6,840.00	6,705.00	6,705.00	205.83	116.06	90.00	2,400.34	-7,161.72	4,170.78	3,866.26	304.51	13.696		
13,700.00	6,840.00	6,705.00	6,705.00	208.49	116.06	90.00	2,400.34	-7,161.72	4,201.03	3,895.87	305.16	13.767		
13,800.00	6,840.00	6,705.00	6,705.00	211.14	116.06	90.00	2,400.34	-7,161.72	4,233.44	3,927.73	305.70	13.848		
13,900.00	6,840.00	6,705.00	6,705.00	213.80	116.06	90.00	2,400.34	-7,161.72	4,267.93	3,961.79	306.15	13.941		
14,000.00	6,840.00	6,705.00	6,705.00	216.46	116.06	90.00	2,400.34	-7,161.72	4,304.48	3,997.98	306.50	14.044		
14,100.00	6,840.00	6,705.00	6,705.00	219.12	116.06	90.00	2,400.34	-7,161.72	4,343.02	4,036.26	306.77	14.157		
14,200.00	6,840.00	6,705.00	6,705.00	221.78	116.06	90.00	2,400.34	-7,161.72	4,383.51	4,076.56	306.94	14.281		
14,300.00	6,840.00	6,705.00	6,705.00	224.45	116.06	90.00	2,400.34	-7,161.72	4,425.88	4,118.84	307.04	14.415		
14,400.00	6,840.00	6,705.00	6,705.00	227.11	116.06	90.00	2,400.34	-7,161.72	4,470.09	4,163.03	307.06	14.558		
14,500.00	6,840.00	6,705.00	6,705.00	229.78	116.06	90.00	2,400.34	-7,161.72	4,516.09	4,209.07	307.01	14.710		
14,600.00	6,840.00	6,705.00	6,705.00	232.45	116.06	90.00	2,400.34	-7,161.72	4,563.81	4,256.91	306.90	14.871		
14,700.00	6,840.00	6,705.00	6,705.00	235.12	116.06	90.00	2,400.34	-7,161.72	4,613.20	4,306.49	306.71	15.041		
14,800.00	6,840.00	6,705.00	6,705.00	237.79	116.06	90.00	2,400.34	-7,161.72	4,664.22	4,357.74	306.47	15.219		
14,900.00	6,840.00	6,705.00	6,705.00	240.46	116.06	90.00	2,400.34	-7,161.72	4,716.80	4,410.62	306.18	15.405		
15,000.00	6,840.00	6,705.00	6,705.00	243.13	116.06	90.00	2,400.34	-7,161.72	4,770.90	4,465.07	305.83	15.600		
15,100.00	6,840.00	6,705.00	6,705.00	245.80	116.06	90.00	2,400.34	-7,161.72	4,826.47	4,521.03	305.44	15.802		
15,200.00	6,840.00	6,705.00	6,705.00	248.48	116.06	90.00	2,400.34	-7,161.72	4,883.45	4,578.44	305.01	16.011		
15,300.00	6,840.00	6,705.00	6,705.00	251.15	116.06	90.00	2,400.34	-7,161.72	4,941.80	4,637.27	304.53	16.227		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - SI VERT SHELTON R G 26-2 - 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		
15,400.00	6,840.00	6,705.00	6,705.00	253.83	116.06	90.00	2,400.34	-7,161.72	5,001.47	4,697.44	304.02	16.451		
15,500.00	6,840.00	6,705.00	6,705.00	256.51	116.06	90.00	2,400.34	-7,161.72	5,062.41	4,758.92	303.48	16.681		
15,600.00	6,840.00	6,705.00	6,705.00	259.19	116.06	90.00	2,400.34	-7,161.72	5,124.58	4,821.66	302.91	16.918		
15,700.00	6,840.00	6,705.00	6,705.00	261.87	116.06	90.00	2,400.34	-7,161.72	5,187.92	4,885.61	302.32	17.161		
15,800.00	6,840.00	6,705.00	6,705.00	264.55	116.06	90.00	2,400.34	-7,161.72	5,252.41	4,950.72	301.70	17.410		
15,900.00	6,840.00	6,705.00	6,705.00	267.23	116.06	90.00	2,400.34	-7,161.72	5,318.00	5,016.95	301.06	17.664		
16,000.00	6,840.00	6,705.00	6,705.00	269.91	116.06	90.00	2,400.34	-7,161.72	5,384.65	5,084.25	300.40	17.925		
16,100.00	6,840.00	6,705.00	6,705.00	272.59	116.06	90.00	2,400.34	-7,161.72	5,452.32	5,152.59	299.72	18.191		
16,200.00	6,840.00	6,705.00	6,705.00	275.28	116.06	90.00	2,400.34	-7,161.72	5,520.96	5,221.93	299.04	18.463		
16,300.00	6,840.00	6,705.00	6,705.00	277.96	116.06	90.00	2,400.34	-7,161.72	5,590.56	5,292.22	298.34	18.739		
16,400.00	6,840.00	6,705.00	6,705.00	280.64	116.06	90.00	2,400.34	-7,161.72	5,661.06	5,363.43	297.63	19.021		
16,500.00	6,840.00	6,705.00	6,705.00	283.33	116.06	90.00	2,400.34	-7,161.72	5,732.44	5,435.53	296.91	19.307		
16,600.00	6,840.00	6,705.00	6,705.00	286.02	116.06	90.00	2,400.34	-7,161.72	5,804.67	5,508.48	296.19	19.598		
16,700.00	6,840.00	6,705.00	6,705.00	288.70	116.06	90.00	2,400.34	-7,161.72	5,877.71	5,582.25	295.46	19.893		
16,800.00	6,840.00	6,705.00	6,705.00	291.39	116.06	90.00	2,400.34	-7,161.72	5,951.54	5,656.81	294.73	20.193		
16,900.00	6,840.00	6,705.00	6,705.00	294.08	116.06	90.00	2,400.34	-7,161.72	6,026.12	5,732.12	293.99	20.497		
17,000.00	6,840.00	6,705.00	6,705.00	296.77	116.06	90.00	2,400.34	-7,161.72	6,101.43	5,808.17	293.26	20.806		
17,100.00	6,840.00	6,705.00	6,705.00	299.46	116.06	90.00	2,400.34	-7,161.72	6,177.43	5,884.91	292.52	21.118		
17,200.00	6,840.00	6,705.00	6,705.00	302.14	116.06	90.00	2,400.34	-7,161.72	6,254.12	5,962.33	291.79	21.434		
17,300.00	6,840.00	6,705.00	6,705.00	304.84	116.06	90.00	2,400.34	-7,161.72	6,331.45	6,040.40	291.06	21.753		
17,400.00	6,840.00	6,705.00	6,705.00	307.53	116.06	90.00	2,400.34	-7,161.72	6,409.41	6,119.09	290.33	22.077		
17,500.00	6,840.00	6,705.00	6,705.00	310.22	116.06	90.00	2,400.34	-7,161.72	6,487.98	6,198.38	289.60	22.403		
17,600.00	6,840.00	6,705.00	6,705.00	312.91	116.06	90.00	2,400.34	-7,161.72	6,567.13	6,278.25	288.88	22.733		
17,700.00	6,840.00	6,705.00	6,705.00	315.60	116.06	90.00	2,400.34	-7,161.72	6,646.84	6,358.68	288.16	23.067		
17,800.00	6,840.00	6,705.00	6,705.00	318.29	116.06	90.00	2,400.34	-7,161.72	6,727.09	6,439.65	287.44	23.403		
17,900.00	6,840.00	6,705.00	6,705.00	320.99	116.06	90.00	2,400.34	-7,161.72	6,807.87	6,521.13	286.73	23.743		
18,000.00	6,840.00	6,705.00	6,705.00	323.68	116.06	90.00	2,400.34	-7,161.72	6,889.15	6,603.11	286.03	24.085		
18,100.00	6,840.00	6,705.00	6,705.00	326.38	116.06	90.00	2,400.34	-7,161.72	6,970.91	6,685.58	285.34	24.431		
18,200.00	6,840.00	6,705.00	6,705.00	329.07	116.06	90.00	2,400.34	-7,161.72	7,053.15	6,768.50	284.65	24.779		
18,300.00	6,840.00	6,705.00	6,705.00	331.77	116.06	90.00	2,400.34	-7,161.72	7,135.84	6,851.88	283.96	25.129		
18,400.00	6,840.00	6,705.00	6,705.00	334.46	116.06	90.00	2,400.34	-7,161.72	7,218.97	6,935.68	283.29	25.483		
18,500.00	6,840.00	6,705.00	6,705.00	337.16	116.06	90.00	2,400.34	-7,161.72	7,302.52	7,019.90	282.62	25.839		
18,600.00	6,840.00	6,705.00	6,705.00	339.85	116.06	90.00	2,400.34	-7,161.72	7,386.48	7,104.52	281.96	26.197		
18,700.00	6,840.00	6,705.00	6,705.00	342.55	116.06	90.00	2,400.34	-7,161.72	7,470.84	7,189.53	281.31	26.558		
18,800.00	6,840.00	6,705.00	6,705.00	345.25	116.06	90.00	2,400.34	-7,161.72	7,555.57	7,274.91	280.66	26.921		
18,900.00	6,840.00	6,705.00	6,705.00	347.94	116.06	90.00	2,400.34	-7,161.72	7,640.68	7,360.66	280.02	27.286		
19,000.00	6,840.00	6,705.00	6,705.00	350.64	116.06	90.00	2,400.34	-7,161.72	7,726.14	7,446.75	279.39	27.653		
19,100.00	6,840.00	6,705.00	6,705.00	353.34	116.06	90.00	2,400.34	-7,161.72	7,811.95	7,533.18	278.77	28.023		
19,200.00	6,840.00	6,705.00	6,705.00	356.04	116.06	90.00	2,400.34	-7,161.72	7,898.09	7,619.93	278.16	28.394		
19,300.00	6,840.00	6,705.00	6,705.00	358.74	116.06	90.00	2,400.34	-7,161.72	7,984.56	7,707.00	277.55	28.768		
19,400.00	6,840.00	6,705.00	6,705.00	361.44	116.06	90.00	2,400.34	-7,161.72	8,071.34	7,794.38	276.96	29.143		
19,500.00	6,840.00	6,705.00	6,705.00	364.13	116.06	90.00	2,400.34	-7,161.72	8,158.42	7,882.05	276.37	29.520		
19,600.00	6,840.00	6,705.00	6,705.00	366.83	116.06	90.00	2,400.34	-7,161.72	8,245.79	7,970.00	275.79	29.899		
19,700.00	6,840.00	6,705.00	6,705.00	369.53	116.06	90.00	2,400.34	-7,161.72	8,333.45	8,058.23	275.21	30.280		
19,800.00	6,840.00	6,705.00	6,705.00	372.23	116.06	90.00	2,400.34	-7,161.72	8,421.38	8,146.73	274.65	30.662		
19,900.00	6,840.00	6,705.00	6,705.00	374.94	116.06	90.00	2,400.34	-7,161.72	8,509.58	8,235.49	274.09	31.046		
20,000.00	6,840.00	6,705.00	6,705.00	377.64	116.06	90.00	2,400.34	-7,161.72	8,598.04	8,324.49	273.54	31.432		
20,100.00	6,840.00	6,705.00	6,705.00	380.34	116.06	90.00	2,400.34	-7,161.72	8,686.74	8,413.74	273.00	31.819		
20,200.00	6,840.00	6,705.00	6,705.00	383.04	116.06	90.00	2,400.34	-7,161.72	8,775.69	8,503.22	272.47	32.208		
20,300.00	6,840.00	6,705.00	6,705.00	385.74	116.06	90.00	2,400.34	-7,161.72	8,864.88	8,592.94	271.95	32.598		
20,400.00	6,840.00	6,705.00	6,705.00	388.44	116.06	90.00	2,400.34	-7,161.72	8,954.30	8,682.87	271.43	32.990		
20,500.00	6,840.00	6,705.00	6,705.00	391.14	116.06	90.00	2,400.34	-7,161.72	9,043.93	8,773.01	270.92	33.382		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		SEC 26-T4N-R65W - SI VERT SHELTON R G 26-2 - 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	
20,552.28	6,840.00	6,705.00	6,705.00	392.56	116.06	90.00	2,400.34	-7,161.72	9,090.88	8,820.22	270.66	33.588	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - SI VERT SHELTON RG 26-1 - 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	-66.27	2,465.51	-5,607.78	6,126.91					
100.00	100.00	0.00	0.00	0.13	0.00	-66.27	2,465.51	-5,607.78	6,125.86	6,125.73	0.13	N/A		
138.76	138.76	24.76	24.76	0.27	0.19	-66.27	2,465.51	-5,607.78	6,125.85	6,125.38	0.47	N/A		
200.00	200.00	86.00	86.00	0.49	0.67	-66.27	2,465.51	-5,607.78	6,125.85	6,124.69	1.16	5,277.095		
300.00	300.00	186.00	186.00	0.85	2.28	-66.27	2,465.51	-5,607.78	6,125.85	6,122.72	3.13	1,957.749		
400.00	399.98	285.98	285.98	1.20	4.02	61.81	2,465.51	-5,607.78	6,125.02	6,119.80	5.22	1,173.370		
500.00	499.84	385.84	385.84	1.55	5.77	61.90	2,465.51	-5,607.78	6,122.55	6,115.24	7.31	837.656		
600.00	599.45	485.45	485.45	1.91	7.50	62.04	2,465.51	-5,607.78	6,118.44	6,109.03	9.41	650.258		
700.00	698.70	584.70	584.70	2.29	9.24	62.25	2,465.51	-5,607.78	6,112.71	6,101.19	11.52	530.589		
800.00	797.47	683.47	683.47	2.70	10.96	62.51	2,465.51	-5,607.78	6,105.39	6,091.74	13.65	447.441		
900.00	895.62	781.62	781.62	3.14	12.67	62.82	2,465.51	-5,607.78	6,096.50	6,080.71	15.79	386.217		
1,000.00	993.06	879.06	879.06	3.62	14.37	63.19	2,465.51	-5,607.78	6,086.08	6,068.13	17.94	339.185		
1,100.00	1,089.64	975.64	975.64	4.14	16.06	63.62	2,465.51	-5,607.78	6,074.17	6,054.04	20.12	301.873		
1,200.00	1,185.27	1,071.27	1,071.27	4.70	17.73	64.10	2,465.51	-5,607.78	6,060.82	6,038.49	22.32	271.512		
1,300.00	1,279.82	1,165.82	1,165.82	5.31	19.38	64.63	2,465.51	-5,607.78	6,046.08	6,021.53	24.55	246.301		
1,400.00	1,373.17	1,259.17	1,259.17	5.98	21.01	65.22	2,465.51	-5,607.78	6,030.02	6,003.23	26.80	225.014		
1,500.00	1,465.22	1,351.22	1,351.22	6.70	22.61	65.82	2,465.51	-5,607.78	6,012.72	5,983.64	29.08	206.788		
1,600.00	1,556.72	1,442.72	1,442.72	7.45	24.21	66.15	2,465.51	-5,607.78	5,995.05	5,963.68	31.37	191.079		
1,700.00	1,648.21	1,534.21	1,534.21	8.21	25.81	66.48	2,465.51	-5,607.78	5,977.60	5,943.92	33.69	177.439		
1,800.00	1,739.71	1,625.71	1,625.71	8.99	27.41	66.81	2,465.51	-5,607.78	5,960.38	5,924.36	36.01	165.502		
1,900.00	1,831.20	1,717.20	1,717.20	9.77	29.00	67.14	2,465.51	-5,607.78	5,943.38	5,905.03	38.35	154.978		
2,000.00	1,922.69	1,808.69	1,808.69	10.56	30.60	67.48	2,465.51	-5,607.78	5,926.60	5,885.91	40.69	145.638		
2,100.00	2,014.19	1,900.19	1,900.19	11.35	32.20	67.81	2,465.51	-5,607.78	5,910.06	5,867.01	43.05	137.297		
2,200.00	2,105.68	2,008.32	2,008.32	12.14	34.08	68.15	2,465.51	-5,607.78	5,893.74	5,848.04	45.69	128.982		
2,300.00	2,197.18	2,083.18	2,083.18	12.94	35.39	68.49	2,465.51	-5,607.78	5,877.65	5,829.89	47.77	123.046		
2,400.00	2,288.67	2,174.67	2,174.67	13.74	36.99	68.83	2,465.51	-5,607.78	5,861.80	5,811.66	50.14	116.915		
2,500.00	2,380.17	2,266.17	2,266.17	14.54	38.58	69.17	2,465.51	-5,607.78	5,846.19	5,793.67	52.51	111.332		
2,600.00	2,471.66	2,357.66	2,357.66	15.35	40.18	69.51	2,465.51	-5,607.78	5,830.81	5,775.92	54.89	106.228		
2,700.00	2,563.16	2,449.16	2,449.16	16.15	41.78	69.86	2,465.51	-5,607.78	5,815.67	5,758.40	57.27	101.545		
2,800.00	2,654.65	2,540.65	2,540.65	16.96	43.37	70.20	2,465.51	-5,607.78	5,800.77	5,741.11	59.66	97.234		
2,900.00	2,746.15	2,632.15	2,632.15	17.76	44.97	70.55	2,465.51	-5,607.78	5,786.12	5,724.07	62.05	93.253		
3,000.00	2,837.64	2,723.64	2,723.64	18.57	46.57	70.90	2,465.51	-5,607.78	5,771.71	5,707.27	64.44	89.566		
3,100.00	2,929.14	2,815.14	2,815.14	19.38	48.16	71.25	2,465.51	-5,607.78	5,757.54	5,690.71	66.84	86.143		
3,200.00	3,020.63	2,906.63	2,906.63	20.19	49.76	71.60	2,465.51	-5,607.78	5,743.63	5,674.39	69.24	82.957		
3,300.00	3,112.13	3,001.87	2,998.13	21.00	51.42	71.95	2,465.51	-5,607.78	5,729.97	5,658.26	71.70	79.911		
3,400.00	3,203.62	3,089.62	3,089.62	21.81	52.96	72.31	2,465.51	-5,607.78	5,716.55	5,642.51	74.04	77.205		
3,500.00	3,295.12	3,181.12	3,181.12	22.63	54.55	72.67	2,465.51	-5,607.78	5,703.40	5,626.95	76.45	74.601		
3,600.00	3,386.61	3,272.61	3,272.61	23.44	56.15	73.02	2,465.51	-5,607.78	5,690.50	5,611.63	78.86	72.158		
3,700.00	3,478.10	3,364.10	3,364.10	24.25	57.75	73.38	2,465.51	-5,607.78	5,677.85	5,596.58	81.27	69.860		
3,800.00	3,569.60	3,455.60	3,455.60	25.06	59.34	73.74	2,465.51	-5,607.78	5,665.47	5,581.78	83.69	67.697		
3,900.00	3,661.09	3,547.09	3,547.09	25.88	60.94	74.11	2,465.51	-5,607.78	5,653.34	5,567.24	86.11	65.656		
4,000.00	3,752.59	3,638.59	3,638.59	26.69	62.54	74.47	2,465.51	-5,607.78	5,641.48	5,552.96	88.53	63.728		
4,100.00	3,844.08	3,730.08	3,730.08	27.50	64.13	74.83	2,465.51	-5,607.78	5,629.89	5,538.94	90.95	61.904		
4,200.00	3,935.58	3,821.58	3,821.58	28.32	65.73	75.20	2,465.51	-5,607.78	5,618.55	5,525.19	93.37	60.176		
4,300.00	4,027.07	3,913.07	3,913.07	29.13	67.33	75.57	2,465.51	-5,607.78	5,607.49	5,511.70	95.79	58.537		
4,400.00	4,118.57	4,004.57	4,004.57	29.95	68.92	75.93	2,465.51	-5,607.78	5,596.70	5,498.48	98.22	56.982		
4,500.00	4,210.06	4,103.94	4,096.06	30.76	70.66	76.30	2,465.51	-5,607.78	5,586.17	5,485.39	100.78	55.427		
4,600.00	4,301.56	4,187.56	4,187.56	31.58	72.12	76.67	2,465.51	-5,607.78	5,575.92	5,472.85	103.08	54.095		
4,700.00	4,393.05	4,279.05	4,279.05	32.39	73.71	77.05	2,465.51	-5,607.78	5,565.94	5,460.44	105.51	52.754		
4,800.00	4,484.55	4,370.55	4,370.55	33.21	75.31	77.42	2,465.51	-5,607.78	5,556.24	5,448.30	107.94	51.476		
4,900.00	4,576.04	4,462.04	4,462.04	34.02	76.91	77.79	2,465.51	-5,607.78	5,546.82	5,436.45	110.37	50.256		
5,000.00	4,667.54	4,553.54	4,553.54	34.84	78.51	78.17	2,465.51	-5,607.78	5,537.67	5,424.86	112.80	49.091		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - SI VERT SHELTON RG 26-1 - 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	4,759.03	4,645.03	4,645.03	35.65	80.10	78.54	2,465.51	-5,607.78	5,528.80	5,413.56	115.24	47.977		
5,200.00	4,850.53	4,736.53	4,736.53	36.47	81.70	78.92	2,465.51	-5,607.78	5,520.21	5,402.54	117.67	46.911		
5,300.00	4,942.02	4,828.02	4,828.02	37.28	83.30	79.30	2,465.51	-5,607.78	5,511.91	5,391.80	120.11	45.890		
5,400.00	5,033.51	4,919.51	4,919.51	38.10	84.89	79.68	2,465.51	-5,607.78	5,503.89	5,381.34	122.55	44.912		
5,500.00	5,125.01	5,011.01	5,011.01	38.92	86.49	80.06	2,465.51	-5,607.78	5,496.15	5,371.17	124.98	43.975		
5,600.00	5,216.50	5,102.50	5,102.50	39.73	88.09	80.44	2,465.51	-5,607.78	5,488.70	5,361.28	127.42	43.075		
5,700.00	5,308.00	5,206.00	5,194.00	40.55	89.89	80.82	2,465.51	-5,607.78	5,481.53	5,351.47	130.07	42.143		
5,800.00	5,399.49	5,285.49	5,285.49	41.36	91.28	81.20	2,465.51	-5,607.78	5,474.66	5,342.36	132.30	41.381		
5,900.00	5,490.99	5,376.99	5,376.99	42.18	92.88	81.58	2,465.51	-5,607.78	5,468.07	5,333.34	134.74	40.584		
6,000.00	5,582.48	5,468.48	5,468.48	43.00	94.47	81.97	2,465.51	-5,607.78	5,461.78	5,324.60	137.17	39.816		
6,100.00	5,673.98	5,559.98	5,559.98	43.81	96.07	82.35	2,465.51	-5,607.78	5,455.77	5,316.16	139.61	39.078		
6,200.00	5,765.47	5,651.47	5,651.47	44.63	97.67	82.74	2,465.51	-5,607.78	5,450.06	5,308.01	142.05	38.367		
6,300.00	5,856.97	5,742.97	5,742.97	45.45	99.27	83.12	2,465.51	-5,607.78	5,444.64	5,300.15	144.49	37.683		
6,400.00	5,948.46	5,834.46	5,834.46	46.26	100.86	83.51	2,465.51	-5,607.78	5,439.51	5,292.59	146.92	37.023		
6,500.00	6,039.96	5,925.96	5,925.96	47.08	102.46	83.90	2,465.51	-5,607.78	5,434.68	5,285.32	149.36	36.387		
6,600.00	6,131.45	6,017.45	6,017.45	47.90	104.06	84.29	2,465.51	-5,607.78	5,430.14	5,278.35	151.79	35.773		
6,700.00	6,222.95	6,108.95	6,108.95	48.71	105.65	84.67	2,465.51	-5,607.78	5,425.91	5,271.68	154.23	35.181		
6,800.00	6,314.44	6,200.44	6,200.44	49.53	107.25	85.06	2,465.51	-5,607.78	5,421.96	5,265.30	156.66	34.609		
6,900.00	6,405.93	6,308.07	6,291.93	50.35	109.13	85.45	2,465.51	-5,607.78	5,418.32	5,258.94	159.38	33.997		
7,000.00	6,497.01	6,383.01	6,383.01	51.18	110.44	80.97	2,465.51	-5,607.78	5,414.07	5,252.53	161.53	33.517		
7,100.00	6,582.62	6,468.62	6,468.62	52.20	111.93	73.74	2,465.51	-5,607.78	5,400.30	5,236.25	164.05	32.918		
7,200.00	6,659.25	6,545.25	6,545.25	53.42	113.27	71.18	2,465.51	-5,607.78	5,375.36	5,208.74	166.62	32.261		
7,300.00	6,724.59	6,610.59	6,610.59	54.84	114.41	71.57	2,465.51	-5,607.78	5,340.29	5,171.12	169.17	31.568		
7,400.00	6,776.64	6,662.64	6,662.64	56.40	115.32	74.16	2,465.51	-5,607.78	5,296.40	5,124.78	171.62	30.860		
7,500.00	6,813.82	6,700.18	6,699.82	58.08	115.97	78.58	2,465.51	-5,607.78	5,245.26	5,071.33	173.93	30.157		
7,600.00	6,835.01	6,721.01	6,721.01	59.82	116.34	84.54	2,465.51	-5,607.78	5,188.54	5,012.54	176.00	29.481		
7,700.00	6,840.00	6,726.00	6,726.00	61.57	116.42	90.00	2,465.51	-5,607.78	5,128.11	4,950.33	177.78	28.844		
7,800.00	6,840.00	6,726.00	6,726.00	63.35	116.42	90.00	2,465.51	-5,607.78	5,067.70	4,888.18	179.52	28.229		
7,900.00	6,840.00	6,726.00	6,726.00	65.20	116.42	90.00	2,465.51	-5,607.78	5,008.55	4,827.23	181.32	27.623		
8,000.00	6,840.00	6,726.00	6,726.00	67.10	116.42	90.00	2,465.51	-5,607.78	4,950.72	4,767.54	183.18	27.027		
8,100.00	6,840.00	6,726.00	6,726.00	69.05	116.42	90.00	2,465.51	-5,607.78	4,894.24	4,709.15	185.09	26.442		
8,200.00	6,840.00	6,726.00	6,726.00	71.06	116.42	90.00	2,465.51	-5,607.78	4,839.18	4,652.11	187.07	25.868		
8,300.00	6,840.00	6,726.00	6,726.00	73.11	116.42	90.00	2,465.51	-5,607.78	4,785.57	4,596.46	189.10	25.307		
8,400.00	6,840.00	6,726.00	6,726.00	75.21	116.42	90.00	2,465.51	-5,607.78	4,733.46	4,542.28	191.19	24.758		
8,500.00	6,840.00	6,726.00	6,726.00	77.34	116.42	90.00	2,465.51	-5,607.78	4,682.91	4,489.59	193.32	24.223		
8,600.00	6,840.00	6,726.00	6,726.00	79.51	116.42	90.00	2,465.51	-5,607.78	4,633.97	4,438.47	195.50	23.703		
8,700.00	6,840.00	6,726.00	6,726.00	81.72	116.42	90.00	2,465.51	-5,607.78	4,586.69	4,388.96	197.73	23.197		
8,800.00	6,840.00	6,726.00	6,726.00	83.95	116.42	90.00	2,465.51	-5,607.78	4,541.11	4,341.11	200.00	22.706		
8,900.00	6,840.00	6,726.00	6,726.00	86.22	116.42	90.00	2,465.51	-5,607.78	4,497.30	4,295.00	202.31	22.230		
9,000.00	6,840.00	6,726.00	6,726.00	88.51	116.42	90.00	2,465.51	-5,607.78	4,455.31	4,250.66	204.64	21.771		
9,100.00	6,840.00	6,726.00	6,726.00	90.83	116.42	90.00	2,465.51	-5,607.78	4,415.17	4,208.16	207.01	21.328		
9,200.00	6,840.00	6,726.00	6,726.00	93.16	116.42	90.00	2,465.51	-5,607.78	4,376.96	4,167.55	209.41	20.902		
9,300.00	6,840.00	6,726.00	6,726.00	95.52	116.42	90.00	2,465.51	-5,607.78	4,340.71	4,128.89	211.82	20.493		
9,400.00	6,840.00	6,726.00	6,726.00	97.90	116.42	90.00	2,465.51	-5,607.78	4,306.48	4,092.24	214.25	20.101		
9,500.00	6,840.00	6,726.00	6,726.00	100.30	116.42	90.00	2,465.51	-5,607.78	4,274.32	4,057.64	216.69	19.726		
9,600.00	6,840.00	6,726.00	6,726.00	102.72	116.42	90.00	2,465.51	-5,607.78	4,244.27	4,025.14	219.13	19.369		
9,700.00	6,840.00	6,726.00	6,726.00	105.15	116.42	90.00	2,465.51	-5,607.78	4,216.38	3,994.81	221.57	19.030		
9,800.00	6,840.00	6,726.00	6,726.00	107.59	116.42	90.00	2,465.51	-5,607.78	4,190.69	3,966.69	224.00	18.708		
9,900.00	6,840.00	6,726.00	6,726.00	110.05	116.42	90.00	2,465.51	-5,607.78	4,167.24	3,940.82	226.42	18.405		
10,000.00	6,840.00	6,726.00	6,726.00	112.52	116.42	90.00	2,465.51	-5,607.78	4,146.07	3,917.24	228.83	18.119		
10,100.00	6,840.00	6,726.00	6,726.00	115.00	116.42	90.00	2,465.51	-5,607.78	4,127.22	3,896.01	231.20	17.851		
10,200.00	6,840.00	6,726.00	6,726.00	117.50	116.42	90.00	2,465.51	-5,607.78	4,110.71	3,877.16	233.55	17.601		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - SI VERT SHELTON RG 26-1 - 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		
10,300.00	6,840.00	6,726.00	6,726.00	120.00	116.42	90.00	2,465.51	-5,607.78	4,096.58	3,860.72	235.86	17.369		
10,400.00	6,840.00	6,726.00	6,726.00	122.51	116.42	90.00	2,465.51	-5,607.78	4,084.84	3,846.72	238.13	17.154		
10,500.00	6,840.00	6,726.00	6,726.00	125.04	116.42	90.00	2,465.51	-5,607.78	4,075.53	3,835.18	240.35	16.957		
10,600.00	6,840.00	6,726.00	6,726.00	127.57	116.42	90.00	2,465.51	-5,607.78	4,068.66	3,826.14	242.52	16.777		
10,700.00	6,840.00	6,726.00	6,726.00	130.11	116.42	90.00	2,465.51	-5,607.78	4,064.23	3,819.61	244.62	16.614		
10,800.00	6,840.00	6,726.00	6,726.00	132.66	116.42	90.00	2,465.51	-5,607.78	4,062.27	3,815.60	246.67	16.469		
10,829.92	6,840.00	6,726.00	6,726.00	133.42	116.42	90.00	2,465.51	-5,607.78	4,062.16	3,814.89	247.27	16.428	CC	
10,900.00	6,840.00	6,726.00	6,726.00	135.21	116.42	90.00	2,465.51	-5,607.78	4,062.76	3,814.12	248.65	16.340	ES	
11,000.00	6,840.00	6,726.00	6,726.00	137.77	116.42	90.00	2,465.51	-5,607.78	4,065.72	3,815.16	250.55	16.227		
11,100.00	6,840.00	6,726.00	6,726.00	140.34	116.42	90.00	2,465.51	-5,607.78	4,071.13	3,818.74	252.38	16.131		
11,200.00	6,840.00	6,726.00	6,726.00	142.91	116.42	90.00	2,465.51	-5,607.78	4,078.98	3,824.84	254.14	16.050		
11,300.00	6,840.00	6,726.00	6,726.00	145.49	116.42	90.00	2,465.51	-5,607.78	4,089.27	3,833.46	255.81	15.986		
11,400.00	6,840.00	6,726.00	6,726.00	148.07	116.42	90.00	2,465.51	-5,607.78	4,101.96	3,844.57	257.40	15.936		
11,500.00	6,840.00	6,726.00	6,726.00	150.66	116.42	90.00	2,465.51	-5,607.78	4,117.05	3,858.15	258.90	15.902		
11,600.00	6,840.00	6,726.00	6,726.00	153.25	116.42	90.00	2,465.51	-5,607.78	4,134.51	3,874.18	260.32	15.882		
11,700.00	6,840.00	6,726.00	6,726.00	155.85	116.42	90.00	2,465.51	-5,607.78	4,154.29	3,892.64	261.65	15.877	SF	
11,800.00	6,840.00	6,726.00	6,726.00	158.45	116.42	90.00	2,465.51	-5,607.78	4,176.38	3,913.48	262.90	15.886		
11,900.00	6,840.00	6,726.00	6,726.00	161.06	116.42	90.00	2,465.51	-5,607.78	4,200.74	3,936.67	264.06	15.908		
12,000.00	6,840.00	6,726.00	6,726.00	163.67	116.42	90.00	2,465.51	-5,607.78	4,227.32	3,962.18	265.14	15.944		
12,100.00	6,840.00	6,726.00	6,726.00	166.28	116.42	90.00	2,465.51	-5,607.78	4,256.08	3,989.95	266.13	15.992		
12,200.00	6,840.00	6,726.00	6,726.00	168.90	116.42	90.00	2,465.51	-5,607.78	4,286.98	4,019.94	267.04	16.054		
12,300.00	6,840.00	6,726.00	6,726.00	171.52	116.42	90.00	2,465.51	-5,607.78	4,319.98	4,052.11	267.87	16.127		
12,400.00	6,840.00	6,726.00	6,726.00	174.15	116.42	90.00	2,465.51	-5,607.78	4,355.03	4,086.40	268.62	16.212		
12,500.00	6,840.00	6,726.00	6,726.00	176.77	116.42	90.00	2,465.51	-5,607.78	4,392.07	4,122.77	269.30	16.309		
12,600.00	6,840.00	6,726.00	6,726.00	179.40	116.42	90.00	2,465.51	-5,607.78	4,431.06	4,161.16	269.90	16.417		
12,700.00	6,840.00	6,726.00	6,726.00	182.04	116.42	90.00	2,465.51	-5,607.78	4,471.95	4,201.52	270.43	16.536		
12,800.00	6,840.00	6,726.00	6,726.00	184.67	116.42	90.00	2,465.51	-5,607.78	4,514.68	4,243.78	270.89	16.666		
12,900.00	6,840.00	6,726.00	6,726.00	187.31	116.42	90.00	2,465.51	-5,607.78	4,559.20	4,287.91	271.29	16.806		
13,000.00	6,840.00	6,726.00	6,726.00	189.95	116.42	90.00	2,465.51	-5,607.78	4,605.47	4,333.84	271.63	16.955		
13,100.00	6,840.00	6,726.00	6,726.00	192.59	116.42	90.00	2,465.51	-5,607.78	4,653.43	4,381.52	271.91	17.114		
13,200.00	6,840.00	6,726.00	6,726.00	195.24	116.42	90.00	2,465.51	-5,607.78	4,703.02	4,430.89	272.13	17.282		
13,300.00	6,840.00	6,726.00	6,726.00	197.88	116.42	90.00	2,465.51	-5,607.78	4,754.20	4,481.90	272.30	17.460		
13,400.00	6,840.00	6,726.00	6,726.00	200.53	116.42	90.00	2,465.51	-5,607.78	4,806.91	4,534.50	272.41	17.646		
13,500.00	6,840.00	6,726.00	6,726.00	203.18	116.42	90.00	2,465.51	-5,607.78	4,861.11	4,588.63	272.49	17.840		
13,600.00	6,840.00	6,726.00	6,726.00	205.83	116.42	90.00	2,465.51	-5,607.78	4,916.75	4,644.23	272.52	18.042		
13,700.00	6,840.00	6,726.00	6,726.00	208.49	116.42	90.00	2,465.51	-5,607.78	4,973.78	4,701.27	272.51	18.252		
13,800.00	6,840.00	6,726.00	6,726.00	211.14	116.42	90.00	2,465.51	-5,607.78	5,032.14	4,759.69	272.46	18.470		
13,900.00	6,840.00	6,726.00	6,726.00	213.80	116.42	90.00	2,465.51	-5,607.78	5,091.81	4,819.44	272.37	18.694		
14,000.00	6,840.00	6,726.00	6,726.00	216.46	116.42	90.00	2,465.51	-5,607.78	5,152.72	4,880.46	272.25	18.926		
14,100.00	6,840.00	6,726.00	6,726.00	219.12	116.42	90.00	2,465.51	-5,607.78	5,214.84	4,942.73	272.11	19.165		
14,200.00	6,840.00	6,726.00	6,726.00	221.78	116.42	90.00	2,465.51	-5,607.78	5,278.12	5,006.19	271.93	19.410		
14,300.00	6,840.00	6,726.00	6,726.00	224.45	116.42	90.00	2,465.51	-5,607.78	5,342.52	5,070.79	271.73	19.661		
14,400.00	6,840.00	6,726.00	6,726.00	227.11	116.42	90.00	2,465.51	-5,607.78	5,408.01	5,136.51	271.50	19.919		
14,500.00	6,840.00	6,726.00	6,726.00	229.78	116.42	90.00	2,465.51	-5,607.78	5,474.54	5,203.28	271.26	20.182		
14,600.00	6,840.00	6,726.00	6,726.00	232.45	116.42	90.00	2,465.51	-5,607.78	5,542.08	5,271.08	270.99	20.451		
14,700.00	6,840.00	6,726.00	6,726.00	235.12	116.42	90.00	2,465.51	-5,607.78	5,610.58	5,339.87	270.71	20.725		
14,800.00	6,840.00	6,726.00	6,726.00	237.79	116.42	90.00	2,465.51	-5,607.78	5,680.02	5,409.61	270.41	21.005		
14,900.00	6,840.00	6,726.00	6,726.00	240.46	116.42	90.00	2,465.51	-5,607.78	5,750.36	5,480.26	270.10	21.290		
15,000.00	6,840.00	6,726.00	6,726.00	243.13	116.42	90.00	2,465.51	-5,607.78	5,821.57	5,551.80	269.77	21.580		
15,100.00	6,840.00	6,726.00	6,726.00	245.80	116.42	90.00	2,465.51	-5,607.78	5,893.61	5,624.18	269.43	21.874		
15,200.00	6,840.00	6,726.00	6,726.00	248.48	116.42	90.00	2,465.51	-5,607.78	5,966.46	5,697.38	269.08	22.173		
15,300.00	6,840.00	6,726.00	6,726.00	251.15	116.42	90.00	2,465.51	-5,607.78	6,040.09	5,771.37	268.73	22.477		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 26-T4N-R65W - SI VERT SHELTON RG 26-1 - 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		
15,400.00	6,840.00	6,726.00	6,726.00	253.83	116.42	90.00	2,465.51	-5,607.78	6,114.47	5,846.11	268.36	22.785		
15,500.00	6,840.00	6,726.00	6,726.00	256.51	116.42	90.00	2,465.51	-5,607.78	6,189.57	5,921.58	267.99	23.096		
15,600.00	6,840.00	6,726.00	6,726.00	259.19	116.42	90.00	2,465.51	-5,607.78	6,265.36	5,997.75	267.61	23.412		
15,700.00	6,840.00	6,726.00	6,726.00	261.87	116.42	90.00	2,465.51	-5,607.78	6,341.83	6,074.60	267.23	23.732		
15,800.00	6,840.00	6,726.00	6,726.00	264.55	116.42	90.00	2,465.51	-5,607.78	6,418.94	6,152.10	266.84	24.055		
15,900.00	6,840.00	6,726.00	6,726.00	267.23	116.42	90.00	2,465.51	-5,607.78	6,496.68	6,230.23	266.45	24.382		
16,000.00	6,840.00	6,726.00	6,726.00	269.91	116.42	90.00	2,465.51	-5,607.78	6,575.01	6,308.96	266.06	24.713		
16,100.00	6,840.00	6,726.00	6,726.00	272.59	116.42	90.00	2,465.51	-5,607.78	6,653.93	6,388.27	265.66	25.047		
16,200.00	6,840.00	6,726.00	6,726.00	275.28	116.42	90.00	2,465.51	-5,607.78	6,733.41	6,468.15	265.27	25.384		
16,300.00	6,840.00	6,726.00	6,726.00	277.96	116.42	90.00	2,465.51	-5,607.78	6,813.43	6,548.56	264.87	25.724		
16,400.00	6,840.00	6,726.00	6,726.00	280.64	116.42	90.00	2,465.51	-5,607.78	6,893.97	6,629.50	264.47	26.067		
16,500.00	6,840.00	6,726.00	6,726.00	283.33	116.42	90.00	2,465.51	-5,607.78	6,975.02	6,710.94	264.07	26.413		
16,600.00	6,840.00	6,726.00	6,726.00	286.02	116.42	90.00	2,465.51	-5,607.78	7,056.55	6,792.87	263.68	26.762		
16,700.00	6,840.00	6,726.00	6,726.00	288.70	116.42	90.00	2,465.51	-5,607.78	7,138.55	6,875.27	263.28	27.114		
16,800.00	6,840.00	6,726.00	6,726.00	291.39	116.42	90.00	2,465.51	-5,607.78	7,221.01	6,958.12	262.89	27.468		
16,900.00	6,840.00	6,726.00	6,726.00	294.08	116.42	90.00	2,465.51	-5,607.78	7,303.90	7,041.40	262.50	27.825		
17,000.00	6,840.00	6,726.00	6,726.00	296.77	116.42	90.00	2,465.51	-5,607.78	7,387.22	7,125.11	262.10	28.184		
17,100.00	6,840.00	6,726.00	6,726.00	299.46	116.42	90.00	2,465.51	-5,607.78	7,470.94	7,209.23	261.72	28.546		
17,200.00	6,840.00	6,726.00	6,726.00	302.14	116.42	90.00	2,465.51	-5,607.78	7,555.06	7,293.73	261.33	28.910		
17,300.00	6,840.00	6,726.00	6,726.00	304.84	116.42	90.00	2,465.51	-5,607.78	7,639.57	7,378.62	260.95	29.276		
17,400.00	6,840.00	6,726.00	6,726.00	307.53	116.42	90.00	2,465.51	-5,607.78	7,724.44	7,463.88	260.57	29.645		
17,500.00	6,840.00	6,726.00	6,726.00	310.22	116.42	90.00	2,465.51	-5,607.78	7,809.68	7,549.49	260.19	30.015		
17,600.00	6,840.00	6,726.00	6,726.00	312.91	116.42	90.00	2,465.51	-5,607.78	7,895.26	7,635.44	259.82	30.388		
17,700.00	6,840.00	6,726.00	6,726.00	315.60	116.42	90.00	2,465.51	-5,607.78	7,981.17	7,721.72	259.45	30.762		
17,800.00	6,840.00	6,726.00	6,726.00	318.29	116.42	90.00	2,465.51	-5,607.78	8,067.41	7,808.33	259.08	31.139		
17,900.00	6,840.00	6,726.00	6,726.00	320.99	116.42	90.00	2,465.51	-5,607.78	8,153.96	7,895.25	258.72	31.517		
18,000.00	6,840.00	6,726.00	6,726.00	323.68	116.42	90.00	2,465.51	-5,607.78	8,240.82	7,982.46	258.36	31.897		
18,100.00	6,840.00	6,726.00	6,726.00	326.38	116.42	90.00	2,465.51	-5,607.78	8,327.97	8,069.97	258.00	32.279		
18,200.00	6,840.00	6,726.00	6,726.00	329.07	116.42	90.00	2,465.51	-5,607.78	8,415.41	8,157.76	257.65	32.662		
18,300.00	6,840.00	6,726.00	6,726.00	331.77	116.42	90.00	2,465.51	-5,607.78	8,503.13	8,245.83	257.30	33.047		
18,400.00	6,840.00	6,726.00	6,726.00	334.46	116.42	90.00	2,465.51	-5,607.78	8,591.11	8,334.15	256.96	33.434		
18,500.00	6,840.00	6,726.00	6,726.00	337.16	116.42	90.00	2,465.51	-5,607.78	8,679.35	8,422.74	256.62	33.822		
18,600.00	6,840.00	6,726.00	6,726.00	339.85	116.42	90.00	2,465.51	-5,607.78	8,767.85	8,511.57	256.28	34.212		
18,700.00	6,840.00	6,726.00	6,726.00	342.55	116.42	90.00	2,465.51	-5,607.78	8,856.59	8,600.64	255.95	34.603		
18,800.00	6,840.00	6,726.00	6,726.00	345.25	116.42	90.00	2,465.51	-5,607.78	8,945.57	8,689.95	255.62	34.995		
18,900.00	6,840.00	6,726.00	6,726.00	347.94	116.42	90.00	2,465.51	-5,607.78	9,034.78	8,779.48	255.30	35.389		
19,000.00	6,840.00	6,726.00	6,726.00	350.64	116.42	90.00	2,465.51	-5,607.78	9,124.21	8,869.24	254.98	35.784		
19,100.00	6,840.00	6,726.00	6,726.00	353.34	116.42	90.00	2,465.51	-5,607.78	9,213.86	8,959.20	254.66	36.181		
19,200.00	6,840.00	6,726.00	6,726.00	356.04	116.42	90.00	2,465.51	-5,607.78	9,303.72	9,049.37	254.35	36.578		
19,300.00	6,840.00	6,726.00	6,726.00	358.74	116.42	90.00	2,465.51	-5,607.78	9,393.79	9,139.75	254.04	36.977		
19,400.00	6,840.00	6,726.00	6,726.00	361.44	116.42	90.00	2,465.51	-5,607.78	9,484.06	9,230.32	253.74	37.377		
19,500.00	6,840.00	6,726.00	6,726.00	364.13	116.42	90.00	2,465.51	-5,607.78	9,574.52	9,321.07	253.44	37.778		
19,600.00	6,840.00	6,726.00	6,726.00	366.83	116.42	90.00	2,465.51	-5,607.78	9,665.16	9,412.02	253.15	38.180		
19,700.00	6,840.00	6,726.00	6,726.00	369.53	116.42	90.00	2,465.51	-5,607.78	9,755.99	9,503.14	252.86	38.583		
19,800.00	6,840.00	6,726.00	6,726.00	372.23	116.42	90.00	2,465.51	-5,607.78	9,847.00	9,594.43	252.57	38.987		
19,900.00	6,840.00	6,726.00	6,726.00	374.94	116.42	90.00	2,465.51	-5,607.78	9,938.18	9,685.89	252.29	39.392		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT ANDERSON 12-27 - 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		
10,600.00	6,840.00	6,770.00	6,770.00	127.57	117.20	90.00	1,143.72	-15,003.81	9,989.73	9,805.94	183.79	54.354		
10,700.00	6,840.00	6,770.00	6,770.00	130.11	117.20	90.00	1,143.72	-15,003.81	9,893.47	9,708.79	184.68	53.571		
10,800.00	6,840.00	6,770.00	6,770.00	132.66	117.20	90.00	1,143.72	-15,003.81	9,797.29	9,611.70	185.59	52.791		
10,900.00	6,840.00	6,770.00	6,770.00	135.21	117.20	90.00	1,143.72	-15,003.81	9,701.19	9,514.67	186.52	52.012		
11,000.00	6,840.00	6,770.00	6,770.00	137.77	117.20	90.00	1,143.72	-15,003.81	9,605.16	9,417.69	187.47	51.235		
11,100.00	6,840.00	6,770.00	6,770.00	140.34	117.20	90.00	1,143.72	-15,003.81	9,509.22	9,320.77	188.45	50.461		
11,200.00	6,840.00	6,770.00	6,770.00	142.91	117.20	90.00	1,143.72	-15,003.81	9,413.36	9,223.92	189.45	49.689		
11,300.00	6,840.00	6,770.00	6,770.00	145.49	117.20	90.00	1,143.72	-15,003.81	9,317.59	9,127.12	190.47	48.919		
11,400.00	6,840.00	6,770.00	6,770.00	148.07	117.20	90.00	1,143.72	-15,003.81	9,221.91	9,030.39	191.52	48.151		
11,500.00	6,840.00	6,770.00	6,770.00	150.66	117.20	90.00	1,143.72	-15,003.81	9,126.32	8,933.73	192.59	47.386		
11,600.00	6,840.00	6,770.00	6,770.00	153.25	117.20	90.00	1,143.72	-15,003.81	9,030.83	8,837.13	193.69	46.624		
11,700.00	6,840.00	6,770.00	6,770.00	155.85	117.20	90.00	1,143.72	-15,003.81	8,935.43	8,740.61	194.82	45.865		
11,800.00	6,840.00	6,770.00	6,770.00	158.45	117.20	90.00	1,143.72	-15,003.81	8,840.14	8,644.17	195.98	45.108		
11,900.00	6,840.00	6,770.00	6,770.00	161.06	117.20	90.00	1,143.72	-15,003.81	8,744.95	8,547.79	197.16	44.355		
12,000.00	6,840.00	6,770.00	6,770.00	163.67	117.20	90.00	1,143.72	-15,003.81	8,649.87	8,451.50	198.37	43.604		
12,100.00	6,840.00	6,770.00	6,770.00	166.28	117.20	90.00	1,143.72	-15,003.81	8,554.91	8,355.29	199.61	42.857		
12,200.00	6,840.00	6,770.00	6,770.00	168.90	117.20	90.00	1,143.72	-15,003.81	8,460.06	8,259.17	200.89	42.113		
12,300.00	6,840.00	6,770.00	6,770.00	171.52	117.20	90.00	1,143.72	-15,003.81	8,365.33	8,163.13	202.19	41.373		
12,400.00	6,840.00	6,770.00	6,770.00	174.15	117.20	90.00	1,143.72	-15,003.81	8,270.72	8,067.19	203.53	40.636		
12,500.00	6,840.00	6,770.00	6,770.00	176.77	117.20	90.00	1,143.72	-15,003.81	8,176.24	7,971.34	204.90	39.903		
12,600.00	6,840.00	6,770.00	6,770.00	179.40	117.20	90.00	1,143.72	-15,003.81	8,081.90	7,875.58	206.31	39.173		
12,700.00	6,840.00	6,770.00	6,770.00	182.04	117.20	90.00	1,143.72	-15,003.81	7,987.69	7,779.93	207.75	38.448		
12,800.00	6,840.00	6,770.00	6,770.00	184.67	117.20	90.00	1,143.72	-15,003.81	7,893.62	7,684.39	209.23	37.726		
12,900.00	6,840.00	6,770.00	6,770.00	187.31	117.20	90.00	1,143.72	-15,003.81	7,799.70	7,588.95	210.75	37.009		
13,000.00	6,840.00	6,770.00	6,770.00	189.95	117.20	90.00	1,143.72	-15,003.81	7,705.94	7,493.63	212.31	36.296		
13,100.00	6,840.00	6,770.00	6,770.00	192.59	117.20	90.00	1,143.72	-15,003.81	7,612.33	7,398.43	213.91	35.587		
13,200.00	6,840.00	6,770.00	6,770.00	195.24	117.20	90.00	1,143.72	-15,003.81	7,518.89	7,303.35	215.55	34.883		
13,300.00	6,840.00	6,770.00	6,770.00	197.88	117.20	90.00	1,143.72	-15,003.81	7,425.62	7,208.39	217.23	34.183		
13,400.00	6,840.00	6,770.00	6,770.00	200.53	117.20	90.00	1,143.72	-15,003.81	7,332.53	7,113.57	218.96	33.489		
13,500.00	6,840.00	6,770.00	6,770.00	203.18	117.20	90.00	1,143.72	-15,003.81	7,239.62	7,018.89	220.73	32.799		
13,600.00	6,840.00	6,770.00	6,770.00	205.83	117.20	90.00	1,143.72	-15,003.81	7,146.90	6,924.35	222.55	32.114		
13,700.00	6,840.00	6,770.00	6,770.00	208.49	117.20	90.00	1,143.72	-15,003.81	7,054.38	6,829.96	224.42	31.434		
13,800.00	6,840.00	6,770.00	6,770.00	211.14	117.20	90.00	1,143.72	-15,003.81	6,962.07	6,735.73	226.34	30.760		
13,900.00	6,840.00	6,770.00	6,770.00	213.80	117.20	90.00	1,143.72	-15,003.81	6,869.98	6,641.66	228.31	30.090		
14,000.00	6,840.00	6,770.00	6,770.00	216.46	117.20	90.00	1,143.72	-15,003.81	6,778.10	6,547.77	230.34	29.427		
14,100.00	6,840.00	6,770.00	6,770.00	219.12	117.20	90.00	1,143.72	-15,003.81	6,686.46	6,454.04	232.42	28.769		
14,200.00	6,840.00	6,770.00	6,770.00	221.78	117.20	90.00	1,143.72	-15,003.81	6,595.07	6,360.51	234.56	28.117		
14,300.00	6,840.00	6,770.00	6,770.00	224.45	117.20	90.00	1,143.72	-15,003.81	6,503.92	6,267.16	236.76	27.471		
14,400.00	6,840.00	6,770.00	6,770.00	227.11	117.20	90.00	1,143.72	-15,003.81	6,413.04	6,174.02	239.02	26.831		
14,500.00	6,840.00	6,770.00	6,770.00	229.78	117.20	90.00	1,143.72	-15,003.81	6,322.44	6,081.10	241.35	26.197		
14,600.00	6,840.00	6,770.00	6,770.00	232.45	117.20	90.00	1,143.72	-15,003.81	6,232.12	5,988.39	243.74	25.569		
14,700.00	6,840.00	6,770.00	6,770.00	235.12	117.20	90.00	1,143.72	-15,003.81	6,142.11	5,895.91	246.20	24.948		
14,800.00	6,840.00	6,770.00	6,770.00	237.79	117.20	90.00	1,143.72	-15,003.81	6,052.41	5,803.68	248.73	24.334		
14,900.00	6,840.00	6,770.00	6,770.00	240.46	117.20	90.00	1,143.72	-15,003.81	5,963.03	5,711.70	251.33	23.726		
15,000.00	6,840.00	6,770.00	6,770.00	243.13	117.20	90.00	1,143.72	-15,003.81	5,874.00	5,619.99	254.01	23.125		
15,100.00	6,840.00	6,770.00	6,770.00	245.80	117.20	90.00	1,143.72	-15,003.81	5,785.32	5,528.56	256.77	22.532		
15,200.00	6,840.00	6,770.00	6,770.00	248.48	117.20	90.00	1,143.72	-15,003.81	5,697.02	5,437.42	259.60	21.945		
15,300.00	6,840.00	6,770.00	6,770.00	251.15	117.20	90.00	1,143.72	-15,003.81	5,609.12	5,346.59	262.52	21.366		
15,400.00	6,840.00	6,770.00	6,770.00	253.83	117.20	90.00	1,143.72	-15,003.81	5,521.62	5,256.09	265.53	20.795		
15,500.00	6,840.00	6,770.00	6,770.00	256.51	117.20	90.00	1,143.72	-15,003.81	5,434.56	5,165.93	268.63	20.231		
15,600.00	6,840.00	6,770.00	6,770.00	259.19	117.20	90.00	1,143.72	-15,003.81	5,347.95	5,076.13	271.82	19.675		
15,700.00	6,840.00	6,770.00	6,770.00	261.87	117.20	90.00	1,143.72	-15,003.81	5,261.81	4,986.71	275.10	19.127		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT ANDERSON 12-27 - 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		
15,800.00	6,840.00	6,770.00	6,770.00	264.55	117.20	90.00	1,143.72	-15,003.81	5,176.17	4,897.69	278.48	18.587		
15,900.00	6,840.00	6,770.00	6,770.00	267.23	117.20	90.00	1,143.72	-15,003.81	5,091.06	4,809.09	281.97	18.056		
16,000.00	6,840.00	6,770.00	6,770.00	269.91	117.20	90.00	1,143.72	-15,003.81	5,006.50	4,720.94	285.56	17.532		
16,100.00	6,840.00	6,770.00	6,770.00	272.59	117.20	90.00	1,143.72	-15,003.81	4,922.51	4,633.26	289.25	17.018		
16,200.00	6,840.00	6,770.00	6,770.00	275.28	117.20	90.00	1,143.72	-15,003.81	4,839.14	4,546.08	293.06	16.513		
16,300.00	6,840.00	6,770.00	6,770.00	277.96	117.20	90.00	1,143.72	-15,003.81	4,756.40	4,459.42	296.98	16.016		
16,400.00	6,840.00	6,770.00	6,770.00	280.64	117.20	90.00	1,143.72	-15,003.81	4,674.34	4,373.33	301.02	15.529		
16,500.00	6,840.00	6,770.00	6,770.00	283.33	117.20	90.00	1,143.72	-15,003.81	4,592.99	4,287.82	305.17	15.050		
16,600.00	6,840.00	6,770.00	6,770.00	286.02	117.20	90.00	1,143.72	-15,003.81	4,512.40	4,202.94	309.45	14.582		
16,700.00	6,840.00	6,770.00	6,770.00	288.70	117.20	90.00	1,143.72	-15,003.81	4,432.59	4,118.73	313.86	14.123		
16,800.00	6,840.00	6,770.00	6,770.00	291.39	117.20	90.00	1,143.72	-15,003.81	4,353.61	4,035.22	318.39	13.674		
16,900.00	6,840.00	6,770.00	6,770.00	294.08	117.20	90.00	1,143.72	-15,003.81	4,275.52	3,952.46	323.06	13.235		
17,000.00	6,840.00	6,770.00	6,770.00	296.77	117.20	90.00	1,143.72	-15,003.81	4,198.36	3,870.50	327.85	12.806		
17,100.00	6,840.00	6,770.00	6,770.00	299.46	117.20	90.00	1,143.72	-15,003.81	4,122.17	3,789.39	332.78	12.387		
17,200.00	6,840.00	6,770.00	6,770.00	302.14	117.20	90.00	1,143.72	-15,003.81	4,047.03	3,709.18	337.84	11.979		
17,300.00	6,840.00	6,770.00	6,770.00	304.84	117.20	90.00	1,143.72	-15,003.81	3,972.98	3,629.94	343.04	11.582		
17,400.00	6,840.00	6,770.00	6,770.00	307.53	117.20	90.00	1,143.72	-15,003.81	3,900.08	3,551.71	348.37	11.195		
17,500.00	6,840.00	6,770.00	6,770.00	310.22	117.20	90.00	1,143.72	-15,003.81	3,828.42	3,474.58	353.83	10.820		
17,600.00	6,840.00	6,770.00	6,770.00	312.91	117.20	90.00	1,143.72	-15,003.81	3,758.04	3,398.62	359.43	10.456		
17,700.00	6,840.00	6,770.00	6,770.00	315.60	117.20	90.00	1,143.72	-15,003.81	3,689.04	3,323.89	365.15	10.103		
17,800.00	6,840.00	6,770.00	6,770.00	318.29	117.20	90.00	1,143.72	-15,003.81	3,621.48	3,250.49	370.99	9.762		
17,900.00	6,840.00	6,770.00	6,770.00	320.99	117.20	90.00	1,143.72	-15,003.81	3,555.45	3,178.50	376.95	9.432		
18,000.00	6,840.00	6,770.00	6,770.00	323.68	117.20	90.00	1,143.72	-15,003.81	3,491.04	3,108.02	383.02	9.115		
18,100.00	6,840.00	6,770.00	6,770.00	326.38	117.20	90.00	1,143.72	-15,003.81	3,428.33	3,039.15	389.18	8.809		
18,200.00	6,840.00	6,770.00	6,770.00	329.07	117.20	90.00	1,143.72	-15,003.81	3,367.43	2,972.00	395.43	8.516		
18,300.00	6,840.00	6,770.00	6,770.00	331.77	117.20	90.00	1,143.72	-15,003.81	3,308.43	2,906.67	401.76	8.235		
18,400.00	6,840.00	6,770.00	6,770.00	334.46	117.20	90.00	1,143.72	-15,003.81	3,251.43	2,843.30	408.14	7.967		
18,500.00	6,840.00	6,770.00	6,770.00	337.16	117.20	90.00	1,143.72	-15,003.81	3,196.55	2,782.00	414.55	7.711		
18,600.00	6,840.00	6,770.00	6,770.00	339.85	117.20	90.00	1,143.72	-15,003.81	3,143.89	2,722.91	420.98	7.468		
18,700.00	6,840.00	6,770.00	6,770.00	342.55	117.20	90.00	1,143.72	-15,003.81	3,093.57	2,666.16	427.41	7.238		
18,800.00	6,840.00	6,770.00	6,770.00	345.25	117.20	90.00	1,143.72	-15,003.81	3,045.70	2,611.91	433.79	7.021		
18,900.00	6,840.00	6,770.00	6,770.00	347.94	117.20	90.00	1,143.72	-15,003.81	3,000.40	2,560.29	440.11	6.817		
19,000.00	6,840.00	6,770.00	6,770.00	350.64	117.20	90.00	1,143.72	-15,003.81	2,957.79	2,511.46	446.33	6.627		
19,100.00	6,840.00	6,770.00	6,770.00	353.34	117.20	90.00	1,143.72	-15,003.81	2,917.99	2,465.57	452.42	6.450		
19,200.00	6,840.00	6,770.00	6,770.00	356.04	117.20	90.00	1,143.72	-15,003.81	2,881.10	2,422.78	458.33	6.286		
19,300.00	6,840.00	6,770.00	6,770.00	358.74	117.20	90.00	1,143.72	-15,003.81	2,847.26	2,383.23	464.03	6.136		
19,400.00	6,840.00	6,770.00	6,770.00	361.44	117.20	90.00	1,143.72	-15,003.81	2,816.56	2,347.07	469.48	5.999		
19,500.00	6,840.00	6,770.00	6,770.00	364.13	117.20	90.00	1,143.72	-15,003.81	2,789.11	2,314.46	474.65	5.876		
19,600.00	6,840.00	6,770.00	6,770.00	366.83	117.20	90.00	1,143.72	-15,003.81	2,765.00	2,285.52	479.48	5.767		
19,700.00	6,840.00	6,770.00	6,770.00	369.53	117.20	90.00	1,143.72	-15,003.81	2,744.33	2,260.39	483.94	5.671		
19,800.00	6,840.00	6,770.00	6,770.00	372.23	117.20	90.00	1,143.72	-15,003.81	2,727.17	2,239.17	488.00	5.588		
19,900.00	6,840.00	6,770.00	6,770.00	374.94	117.20	90.00	1,143.72	-15,003.81	2,713.59	2,221.96	491.63	5.520		
20,000.00	6,840.00	6,770.00	6,770.00	377.64	117.20	90.00	1,143.72	-15,003.81	2,703.65	2,208.86	494.79	5.464		
20,100.00	6,840.00	6,770.00	6,770.00	380.34	117.20	90.00	1,143.72	-15,003.81	2,697.37	2,199.91	497.46	5.422		
20,200.00	6,840.00	6,770.00	6,770.00	383.04	117.20	90.00	1,143.72	-15,003.81	2,694.80	2,195.18	499.62	5.394		
20,219.41	6,840.00	6,770.00	6,770.00	383.56	117.20	90.00	1,143.72	-15,003.81	2,694.73	2,194.75	499.98	5.390 CC		
20,300.00	6,840.00	6,770.00	6,770.00	385.74	117.20	90.00	1,143.72	-15,003.81	2,695.93	2,194.67	501.27	5.378 ES		
20,400.00	6,840.00	6,770.00	6,770.00	388.44	117.20	90.00	1,143.72	-15,003.81	2,700.77	2,198.38	502.39	5.376 SF		
20,500.00	6,840.00	6,770.00	6,770.00	391.14	117.20	90.00	1,143.72	-15,003.81	2,709.30	2,206.31	502.99	5.386		
20,552.28	6,840.00	6,770.00	6,770.00	392.56	117.20	90.00	1,143.72	-15,003.81	2,715.21	2,212.11	503.09	5.397		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT ANDERSON 17-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,835.01	7,023.90	7,021.43	59.82	1.78	77.49	2,042.01	-11,617.66	9,921.82	9,868.18	53.64	184.981		
7,700.00	6,840.00	7,025.85	7,023.38	61.57	1.78	94.80	2,042.00	-11,617.60	9,829.34	9,774.88	54.47	180.464		
7,800.00	6,840.00	7,022.80	7,020.34	63.35	1.78	94.76	2,042.02	-11,617.69	9,736.45	9,681.17	55.28	176.129		
7,900.00	6,840.00	7,019.76	7,017.29	65.20	1.78	94.71	2,042.04	-11,617.78	9,643.70	9,587.58	56.12	171.840		
8,000.00	6,840.00	7,016.71	7,014.25	67.10	1.78	94.66	2,042.06	-11,617.87	9,551.09	9,494.10	56.99	167.601		
8,100.00	6,840.00	7,013.66	7,011.20	69.05	1.78	94.61	2,042.08	-11,617.97	9,458.63	9,400.75	57.88	163.414		
8,200.00	6,840.00	8,200.00	6,984.97	71.06	1.86	94.20	2,042.25	-11,618.74	9,366.33	9,307.63	58.70	159.558		
8,300.00	6,840.00	7,014.41	7,011.95	73.11	1.78	94.62	2,042.07	-11,617.94	9,274.18	9,214.43	59.75	155.216		
8,400.00	6,840.00	7,008.69	7,006.23	75.21	1.78	94.53	2,042.12	-11,618.12	9,182.20	9,121.47	60.73	151.193		
8,500.00	6,840.00	7,003.04	7,000.58	77.34	1.78	94.44	2,042.16	-11,618.29	9,090.39	9,028.65	61.74	147.229		
8,600.00	6,840.00	6,997.48	6,995.02	79.51	1.77	94.36	2,042.19	-11,618.46	8,998.75	8,935.97	62.78	143.327		
8,700.00	6,840.00	6,992.00	6,989.55	81.72	1.77	94.27	2,042.23	-11,618.63	8,907.29	8,843.43	63.86	139.488		
8,800.00	6,840.00	6,986.59	6,984.15	83.95	1.77	94.19	2,042.27	-11,618.79	8,816.01	8,751.05	64.96	135.713		
8,900.00	6,840.00	6,981.27	6,978.82	86.22	1.77	94.10	2,042.30	-11,618.95	8,724.92	8,658.83	66.10	132.003		
9,000.00	6,840.00	6,976.02	6,973.58	88.51	1.77	94.02	2,042.34	-11,619.10	8,634.03	8,566.77	67.26	128.359		
9,100.00	6,840.00	6,970.85	6,968.41	90.83	1.77	93.94	2,042.37	-11,619.25	8,543.34	8,474.87	68.47	124.782		
9,200.00	6,840.00	6,965.75	6,963.31	93.16	1.77	93.86	2,042.40	-11,619.40	8,452.86	8,383.16	69.70	121.272		
9,300.00	6,840.00	6,960.72	6,958.28	95.52	1.77	93.78	2,042.43	-11,619.55	8,362.59	8,291.62	70.97	117.829		
9,400.00	6,840.00	6,955.76	6,953.32	97.90	1.77	93.70	2,042.46	-11,619.69	8,272.54	8,200.27	72.28	114.455		
9,500.00	6,840.00	6,950.86	6,948.43	100.30	1.77	93.62	2,042.48	-11,619.83	8,182.73	8,109.11	73.62	111.148		
9,600.00	6,840.00	6,946.04	6,943.61	102.72	1.77	93.54	2,042.51	-11,619.97	8,093.15	8,018.15	75.00	107.910		
9,700.00	6,840.00	6,941.28	6,938.85	105.15	1.77	93.47	2,042.53	-11,620.10	8,003.81	7,927.40	76.42	104.741		
9,800.00	6,840.00	6,936.58	6,934.16	107.59	1.77	93.39	2,042.56	-11,620.23	7,914.73	7,836.86	77.87	101.639		
9,900.00	6,840.00	6,931.95	6,929.53	110.05	1.77	93.32	2,042.58	-11,620.36	7,825.91	7,746.55	79.37	98.606		
10,000.00	6,840.00	6,927.38	6,924.96	112.52	1.77	93.25	2,042.60	-11,620.49	7,737.37	7,656.47	80.90	95.640		
10,100.00	6,840.00	6,922.87	6,920.45	115.00	1.77	93.18	2,042.62	-11,620.61	7,649.10	7,566.62	82.48	92.742		
10,200.00	6,840.00	6,918.42	6,916.00	117.50	1.77	93.11	2,042.64	-11,620.73	7,561.12	7,477.03	84.10	89.911		
10,300.00	6,840.00	6,914.03	6,911.61	120.00	1.77	93.04	2,042.66	-11,620.85	7,473.45	7,387.69	85.76	87.146		
10,400.00	6,840.00	6,909.69	6,907.27	122.51	1.77	92.97	2,042.68	-11,620.97	7,386.08	7,298.62	87.46	84.448		
10,500.00	6,840.00	6,905.41	6,902.99	125.04	1.77	92.90	2,042.70	-11,621.08	7,299.04	7,209.83	89.21	81.814		
10,600.00	6,840.00	6,901.18	6,898.77	127.57	1.77	92.83	2,042.71	-11,621.20	7,212.34	7,121.32	91.01	79.246		
10,700.00	6,840.00	6,898.39	6,895.98	130.11	1.77	92.79	2,042.72	-11,621.27	7,125.98	7,033.12	92.86	76.742		
10,800.00	6,840.00	6,896.14	6,893.73	132.66	1.77	92.76	2,042.73	-11,621.33	7,039.98	6,945.23	94.75	74.302		
10,900.00	6,840.00	6,893.89	6,891.48	135.21	1.77	92.72	2,042.74	-11,621.39	6,954.35	6,857.66	96.69	71.925		
11,000.00	6,840.00	6,891.64	6,889.23	137.77	1.77	92.68	2,042.75	-11,621.45	6,869.11	6,770.43	98.68	69.609		
11,100.00	6,840.00	6,889.38	6,886.98	140.34	1.77	92.65	2,042.76	-11,621.51	6,784.28	6,683.55	100.73	67.354		
11,200.00	6,840.00	6,887.12	6,884.72	142.91	1.77	92.61	2,042.77	-11,621.57	6,699.86	6,597.04	102.82	65.159		
11,300.00	6,840.00	6,884.86	6,882.45	145.49	1.77	92.58	2,042.78	-11,621.63	6,615.87	6,510.90	104.97	63.024		
11,400.00	6,840.00	6,882.59	6,880.19	148.07	1.77	92.54	2,042.79	-11,621.69	6,532.34	6,425.16	107.18	60.947		
11,500.00	6,840.00	6,880.32	6,877.92	150.66	1.77	92.50	2,042.80	-11,621.75	6,449.27	6,339.83	109.44	58.928		
11,600.00	6,840.00	6,878.05	6,875.64	153.25	1.77	92.47	2,042.81	-11,621.81	6,366.69	6,254.93	111.76	56.965		
11,700.00	6,840.00	6,875.77	6,873.36	155.85	1.77	92.43	2,042.82	-11,621.87	6,284.61	6,170.47	114.14	55.058		
11,800.00	6,840.00	6,873.49	6,871.08	158.45	1.77	92.40	2,042.83	-11,621.93	6,203.06	6,086.48	116.59	53.206		
11,900.00	6,840.00	6,871.20	6,868.80	161.06	1.77	92.36	2,042.84	-11,621.99	6,122.06	6,002.97	119.09	51.408		
12,000.00	6,840.00	6,868.91	6,866.51	163.67	1.77	92.32	2,042.85	-11,622.05	6,041.62	5,919.97	121.65	49.663		
12,100.00	6,840.00	6,866.62	6,864.22	166.28	1.77	92.29	2,042.86	-11,622.11	5,961.78	5,837.50	124.28	47.971		
12,200.00	6,840.00	6,864.32	6,861.92	168.90	1.77	92.25	2,042.87	-11,622.18	5,882.55	5,755.57	126.97	46.329		
12,300.00	6,840.00	6,862.02	6,859.62	171.52	1.77	92.21	2,042.89	-11,622.24	5,803.96	5,674.22	129.73	44.738		
12,400.00	6,840.00	6,859.72	6,857.32	174.15	1.77	92.18	2,042.90	-11,622.30	5,726.03	5,593.47	132.56	43.197		
12,500.00	6,840.00	6,857.41	6,855.01	176.77	1.77	92.14	2,042.91	-11,622.36	5,648.80	5,513.35	135.45	41.703		
12,600.00	6,840.00	6,855.10	6,852.70	179.40	1.77	92.10	2,042.92	-11,622.42	5,572.30	5,433.88	138.41	40.258		
12,700.00	6,840.00	6,852.78	6,850.38	182.04	1.77	92.07	2,042.93	-11,622.49	5,496.54	5,355.10	141.45	38.859		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT ANDERSON 17-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,800.00	6,840.00	6,850.46	6,848.07	184.67	1.77	92.03	2,042.95	-11,622.55	5,421.58	5,277.03	144.55	37.507		
12,900.00	6,840.00	6,848.14	6,845.74	187.31	1.77	91.99	2,042.96	-11,622.61	5,347.43	5,199.70	147.72	36.199		
13,000.00	6,840.00	6,845.81	6,843.42	189.95	1.77	91.96	2,042.97	-11,622.67	5,274.13	5,123.16	150.97	34.935		
13,100.00	6,840.00	6,843.48	6,841.09	192.59	1.77	91.92	2,042.99	-11,622.74	5,201.72	5,047.43	154.29	33.715		
13,200.00	6,840.00	6,841.15	6,838.76	195.24	1.77	91.88	2,043.00	-11,622.80	5,130.24	4,972.56	157.67	32.537		
13,300.00	6,840.00	6,838.81	6,836.42	197.88	1.77	91.85	2,043.01	-11,622.86	5,059.72	4,898.59	161.13	31.401		
13,400.00	6,840.00	6,836.47	6,834.08	200.53	1.77	91.81	2,043.03	-11,622.92	4,990.21	4,825.55	164.66	30.305		
13,500.00	6,840.00	6,834.12	6,831.73	203.18	1.77	91.77	2,043.04	-11,622.99	4,921.75	4,753.48	168.26	29.250		
13,600.00	6,840.00	6,831.77	6,829.38	205.83	1.77	91.74	2,043.05	-11,623.05	4,854.38	4,682.44	171.93	28.234		
13,700.00	6,840.00	6,829.42	6,827.03	208.49	1.77	91.70	2,043.07	-11,623.12	4,788.15	4,612.48	175.67	27.256		
13,800.00	6,840.00	6,827.06	6,824.68	211.14	1.77	91.66	2,043.08	-11,623.18	4,723.11	4,543.63	179.47	26.316		
13,900.00	6,840.00	6,824.70	6,822.32	213.80	1.77	91.62	2,043.10	-11,623.24	4,659.30	4,475.96	183.34	25.413		
14,000.00	6,840.00	6,822.34	6,819.95	216.46	1.77	91.59	2,043.11	-11,623.31	4,596.78	4,409.52	187.27	24.546		
14,100.00	6,840.00	6,819.97	6,817.59	219.12	1.77	91.55	2,043.13	-11,623.37	4,535.61	4,344.36	191.25	23.715		
14,200.00	6,840.00	6,817.60	6,815.21	221.78	1.77	91.51	2,043.14	-11,623.44	4,475.83	4,280.54	195.29	22.918		
14,300.00	6,840.00	6,815.22	6,812.84	224.45	1.77	91.47	2,043.16	-11,623.50	4,417.51	4,218.12	199.38	22.156		
14,400.00	6,840.00	6,812.84	6,810.46	227.11	1.77	91.44	2,043.18	-11,623.57	4,360.70	4,157.18	203.52	21.426		
14,500.00	6,840.00	6,810.46	6,808.08	229.78	1.77	91.40	2,043.19	-11,623.63	4,305.46	4,097.76	207.69	20.730		
14,600.00	6,840.00	6,808.07	6,805.69	232.45	1.77	91.36	2,043.21	-11,623.70	4,251.85	4,039.95	211.90	20.065		
14,700.00	6,840.00	6,805.68	6,803.30	235.12	1.77	91.32	2,043.23	-11,623.76	4,199.94	3,983.80	216.13	19.432		
14,800.00	6,840.00	6,803.28	6,800.90	237.79	1.77	91.28	2,043.24	-11,623.83	4,149.78	3,929.40	220.39	18.830		
14,900.00	6,840.00	6,800.88	6,798.51	240.46	1.77	91.25	2,043.26	-11,623.89	4,101.45	3,876.80	224.65	18.257		
15,000.00	6,840.00	6,800.00	6,797.62	243.13	1.77	91.23	2,043.27	-11,623.92	4,055.01	3,826.10	228.91	17.714		
15,100.00	6,840.00	6,800.00	6,797.62	245.80	1.77	91.23	2,043.27	-11,623.92	4,010.53	3,777.36	233.17	17.200		
15,200.00	6,840.00	6,800.00	6,797.62	248.48	1.77	91.23	2,043.27	-11,623.92	3,968.07	3,730.67	237.40	16.714		
15,300.00	6,840.00	6,792.88	6,790.51	251.15	1.77	91.12	2,043.32	-11,624.11	3,927.68	3,686.08	241.61	16.256		
15,400.00	6,840.00	6,790.94	6,788.57	253.83	1.77	91.09	2,043.34	-11,624.16	3,889.46	3,643.69	245.77	15.826		
15,500.00	6,840.00	6,789.01	6,786.64	256.51	1.77	91.06	2,043.35	-11,624.21	3,853.44	3,603.57	249.88	15.421		
15,600.00	6,840.00	6,787.09	6,784.72	259.19	1.77	91.03	2,043.37	-11,624.27	3,819.71	3,565.79	253.92	15.043		
15,700.00	6,840.00	6,785.18	6,782.81	261.87	1.77	91.00	2,043.38	-11,624.32	3,788.31	3,530.44	257.88	14.690		
15,800.00	6,840.00	6,783.27	6,780.90	264.55	1.77	90.97	2,043.40	-11,624.37	3,759.31	3,497.57	261.74	14.363		
15,900.00	6,840.00	6,781.37	6,779.01	267.23	1.77	90.94	2,043.42	-11,624.42	3,732.77	3,467.27	265.50	14.059		
16,000.00	6,840.00	6,779.49	6,777.12	269.91	1.77	90.91	2,043.44	-11,624.47	3,708.73	3,439.60	269.13	13.780		
16,100.00	6,840.00	6,777.60	6,775.24	272.59	1.77	90.88	2,043.46	-11,624.52	3,687.24	3,414.61	272.63	13.525		
16,200.00	6,840.00	6,775.73	6,773.37	275.28	1.77	90.85	2,043.48	-11,624.57	3,668.36	3,392.38	275.98	13.292		
16,300.00	6,840.00	6,773.87	6,771.50	277.96	1.77	90.82	2,043.49	-11,624.62	3,652.11	3,372.94	279.17	13.082		
16,400.00	6,840.00	6,772.01	6,769.65	280.64	1.77	90.79	2,043.51	-11,624.67	3,638.54	3,356.36	282.19	12.894		
16,500.00	6,840.00	6,770.16	6,767.80	283.33	1.77	90.76	2,043.53	-11,624.72	3,627.68	3,342.66	285.02	12.728		
16,600.00	6,840.00	6,768.32	6,765.96	286.02	1.77	90.73	2,043.55	-11,624.77	3,619.55	3,331.89	287.66	12.583		
16,700.00	6,840.00	6,766.49	6,764.13	288.70	1.77	90.70	2,043.57	-11,624.81	3,614.16	3,324.07	290.09	12.459		
16,800.00	6,840.00	6,764.67	6,762.31	291.39	1.77	90.67	2,043.60	-11,624.86	3,611.53	3,319.22	292.32	12.355		
16,844.90	6,840.00	6,763.85	6,761.49	292.60	1.77	90.66	2,043.60	-11,624.88	3,611.25	3,318.01	293.25	12.315 CC		
16,900.00	6,840.00	6,762.85	6,760.49	294.08	1.77	90.64	2,043.62	-11,624.91	3,611.67	3,317.35	294.33	12.271 ES		
17,000.00	6,840.00	6,761.04	6,758.68	296.77	1.77	90.61	2,043.64	-11,624.96	3,614.58	3,318.47	296.11	12.207		
17,100.00	6,840.00	6,759.24	6,756.88	299.46	1.77	90.59	2,043.66	-11,625.00	3,620.25	3,322.57	297.68	12.162		
17,200.00	6,840.00	6,757.45	6,755.09	302.14	1.77	90.56	2,043.68	-11,625.05	3,628.66	3,329.65	299.02	12.135		
17,300.00	6,840.00	6,755.66	6,753.30	304.84	1.77	90.53	2,043.70	-11,625.10	3,639.80	3,339.67	300.13	12.127 SF		
17,400.00	6,840.00	6,753.88	6,751.53	307.53	1.77	90.50	2,043.73	-11,625.14	3,653.65	3,352.63	301.02	12.138		
17,500.00	6,840.00	6,752.11	6,749.76	310.22	1.77	90.47	2,043.75	-11,625.19	3,670.16	3,368.48	301.69	12.166		
17,600.00	6,840.00	6,750.35	6,747.99	312.91	1.77	90.44	2,043.77	-11,625.24	3,689.32	3,387.18	302.14	12.211		
17,700.00	6,840.00	6,748.59	6,746.24	315.60	1.77	90.42	2,043.80	-11,625.28	3,711.07	3,408.69	302.38	12.273		
17,800.00	6,840.00	6,746.84	6,744.49	318.29	1.77	90.39	2,043.82	-11,625.33	3,735.36	3,432.95	302.41	12.352		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT ANDERSON 17-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,900.00	6,840.00	6,745.10	6,742.75	320.99	1.77	90.36	2,043.84	-11,625.37	3,762.16	3,459.91	302.25	12.447		
18,000.00	6,840.00	6,743.37	6,741.02	323.68	1.77	90.33	2,043.87	-11,625.41	3,791.41	3,489.50	301.91	12.558		
18,100.00	6,840.00	6,741.64	6,739.29	326.38	1.77	90.31	2,043.89	-11,625.46	3,823.05	3,521.67	301.38	12.685		
18,200.00	6,840.00	6,739.92	6,737.57	329.07	1.77	90.28	2,043.92	-11,625.50	3,857.02	3,556.33	300.69	12.827		
18,300.00	6,840.00	6,738.21	6,735.86	331.77	1.77	90.25	2,043.94	-11,625.55	3,893.26	3,593.43	299.83	12.985		
18,400.00	6,840.00	6,736.50	6,734.15	334.46	1.77	90.22	2,043.97	-11,625.59	3,931.71	3,632.88	298.83	13.157		
18,500.00	6,840.00	6,734.80	6,732.46	337.16	1.77	90.20	2,043.99	-11,625.63	3,972.31	3,674.61	297.70	13.344		
18,600.00	6,840.00	6,733.11	6,730.77	339.85	1.77	90.17	2,044.02	-11,625.67	4,014.99	3,718.55	296.43	13.544		
18,700.00	6,840.00	6,731.43	6,729.08	342.55	1.77	90.14	2,044.05	-11,625.72	4,059.68	3,764.62	295.05	13.759		
18,800.00	6,840.00	6,729.75	6,727.41	345.25	1.77	90.12	2,044.07	-11,625.76	4,106.31	3,812.74	293.57	13.987		
18,900.00	6,840.00	6,728.08	6,725.74	347.94	1.77	90.09	2,044.10	-11,625.80	4,154.83	3,862.84	291.99	14.229		
19,000.00	6,840.00	6,726.42	6,724.07	350.64	1.77	90.06	2,044.13	-11,625.84	4,205.17	3,914.84	290.33	14.484		
19,100.00	6,840.00	6,724.76	6,722.42	353.34	1.77	90.04	2,044.15	-11,625.88	4,257.26	3,968.67	288.59	14.752		
19,200.00	6,840.00	6,723.11	6,720.77	356.04	1.77	90.01	2,044.18	-11,625.93	4,311.05	4,024.26	286.78	15.032		
19,300.00	6,840.00	6,721.47	6,719.12	358.74	1.77	89.99	2,044.21	-11,625.97	4,366.45	4,081.53	284.92	15.325		
19,400.00	6,840.00	6,719.83	6,717.49	361.44	1.77	89.96	2,044.24	-11,626.01	4,423.43	4,140.42	283.01	15.630		
19,500.00	6,840.00	6,718.20	6,715.86	364.13	1.77	89.93	2,044.26	-11,626.05	4,481.91	4,200.86	281.05	15.947		
19,600.00	6,840.00	6,716.58	6,714.24	366.83	1.77	89.91	2,044.29	-11,626.09	4,541.84	4,262.78	279.06	16.275		
19,700.00	6,840.00	6,714.96	6,712.62	369.53	1.77	89.88	2,044.32	-11,626.13	4,603.16	4,326.12	277.04	16.615		
19,800.00	6,840.00	6,713.35	6,711.01	372.23	1.77	89.86	2,044.35	-11,626.17	4,665.82	4,390.81	275.00	16.966		
19,900.00	6,840.00	6,711.74	6,709.41	374.94	1.77	89.83	2,044.38	-11,626.21	4,729.76	4,456.81	272.94	17.329		
20,000.00	6,840.00	6,700.00	6,697.67	377.64	1.77	89.65	2,044.60	-11,626.49	4,794.95	4,524.07	270.87	17.702		
20,100.00	6,840.00	6,714.20	6,711.86	380.34	1.77	89.87	2,044.31	-11,626.14	4,861.28	4,592.48	268.80	18.085		
20,200.00	6,840.00	6,711.50	6,709.16	383.04	1.77	89.83	2,044.37	-11,626.21	4,928.77	4,662.05	266.72	18.479		
20,300.00	6,840.00	6,708.84	6,706.51	385.74	1.77	89.79	2,044.42	-11,626.28	4,997.35	4,732.71	264.64	18.883		
20,400.00	6,840.00	6,706.23	6,703.89	388.44	1.77	89.74	2,044.47	-11,626.34	5,066.98	4,804.41	262.57	19.298		
20,500.00	6,840.00	6,703.65	6,701.32	391.14	1.77	89.70	2,044.53	-11,626.40	5,137.60	4,877.10	260.51	19.722		
20,552.28	6,840.00	6,702.32	6,699.99	392.56	1.77	89.68	2,044.55	-11,626.44	5,174.91	4,915.48	259.43	19.947		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT BOHLENDER 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		
10,800.00	6,840.00	6,760.00	6,760.00	132.66	117.02	90.00	1,995.37	-14,837.57	9,913.65	9,719.64	194.00	51.100		
10,900.00	6,840.00	6,760.00	6,760.00	135.21	117.02	90.00	1,995.37	-14,837.57	9,820.33	9,625.11	195.23	50.302		
11,000.00	6,840.00	6,760.00	6,760.00	137.77	117.02	90.00	1,995.37	-14,837.57	9,727.15	9,530.67	196.48	49.508		
11,100.00	6,840.00	6,760.00	6,760.00	140.34	117.02	90.00	1,995.37	-14,837.57	9,634.11	9,436.35	197.76	48.717		
11,200.00	6,840.00	6,760.00	6,760.00	142.91	117.02	90.00	1,995.37	-14,837.57	9,541.20	9,342.14	199.06	47.931		
11,300.00	6,840.00	6,760.00	6,760.00	145.49	117.02	90.00	1,995.37	-14,837.57	9,448.44	9,248.04	200.40	47.148		
11,400.00	6,840.00	6,760.00	6,760.00	148.07	117.02	90.00	1,995.37	-14,837.57	9,355.83	9,154.07	201.77	46.370		
11,500.00	6,840.00	6,760.00	6,760.00	150.66	117.02	90.00	1,995.37	-14,837.57	9,263.38	9,060.21	203.16	45.596		
11,600.00	6,840.00	6,760.00	6,760.00	153.25	117.02	90.00	1,995.37	-14,837.57	9,171.08	8,966.48	204.59	44.826		
11,700.00	6,840.00	6,760.00	6,760.00	155.85	117.02	90.00	1,995.37	-14,837.57	9,078.94	8,872.89	206.06	44.061		
11,800.00	6,840.00	6,760.00	6,760.00	158.45	117.02	90.00	1,995.37	-14,837.57	8,986.98	8,779.43	207.55	43.300		
11,900.00	6,840.00	6,760.00	6,760.00	161.06	117.02	90.00	1,995.37	-14,837.57	8,895.18	8,686.10	209.08	42.545		
12,000.00	6,840.00	6,760.00	6,760.00	163.67	117.02	90.00	1,995.37	-14,837.57	8,803.57	8,592.93	210.64	41.794		
12,100.00	6,840.00	6,760.00	6,760.00	166.28	117.02	90.00	1,995.37	-14,837.57	8,712.14	8,499.90	212.24	41.048		
12,200.00	6,840.00	6,760.00	6,760.00	168.90	117.02	90.00	1,995.37	-14,837.57	8,620.90	8,407.02	213.88	40.308		
12,300.00	6,840.00	6,760.00	6,760.00	171.52	117.02	90.00	1,995.37	-14,837.57	8,529.86	8,314.31	215.55	39.573		
12,400.00	6,840.00	6,760.00	6,760.00	174.15	117.02	90.00	1,995.37	-14,837.57	8,439.01	8,221.75	217.26	38.843		
12,500.00	6,840.00	6,760.00	6,760.00	176.77	117.02	90.00	1,995.37	-14,837.57	8,348.38	8,129.37	219.01	38.119		
12,600.00	6,840.00	6,760.00	6,760.00	179.40	117.02	90.00	1,995.37	-14,837.57	8,257.97	8,037.17	220.80	37.400		
12,700.00	6,840.00	6,760.00	6,760.00	182.04	117.02	90.00	1,995.37	-14,837.57	8,167.78	7,945.14	222.63	36.687		
12,800.00	6,840.00	6,760.00	6,760.00	184.67	117.02	90.00	1,995.37	-14,837.57	8,077.82	7,853.31	224.51	35.980		
12,900.00	6,840.00	6,760.00	6,760.00	187.31	117.02	90.00	1,995.37	-14,837.57	7,988.09	7,761.67	226.42	35.279		
13,000.00	6,840.00	6,760.00	6,760.00	189.95	117.02	90.00	1,995.37	-14,837.57	7,898.62	7,670.23	228.39	34.585		
13,100.00	6,840.00	6,760.00	6,760.00	192.59	117.02	90.00	1,995.37	-14,837.57	7,809.40	7,579.01	230.39	33.896		
13,200.00	6,840.00	6,760.00	6,760.00	195.24	117.02	90.00	1,995.37	-14,837.57	7,720.44	7,488.00	232.45	33.214		
13,300.00	6,840.00	6,760.00	6,760.00	197.88	117.02	90.00	1,995.37	-14,837.57	7,631.76	7,397.21	234.55	32.538		
13,400.00	6,840.00	6,760.00	6,760.00	200.53	117.02	90.00	1,995.37	-14,837.57	7,543.36	7,306.66	236.70	31.869		
13,500.00	6,840.00	6,760.00	6,760.00	203.18	117.02	90.00	1,995.37	-14,837.57	7,455.26	7,216.36	238.90	31.207		
13,600.00	6,840.00	6,760.00	6,760.00	205.83	117.02	90.00	1,995.37	-14,837.57	7,367.46	7,126.30	241.15	30.551		
13,700.00	6,840.00	6,760.00	6,760.00	208.49	117.02	90.00	1,995.37	-14,837.57	7,279.97	7,036.51	243.46	29.902		
13,800.00	6,840.00	6,760.00	6,760.00	211.14	117.02	90.00	1,995.37	-14,837.57	7,192.81	6,946.99	245.82	29.261		
13,900.00	6,840.00	6,760.00	6,760.00	213.80	117.02	90.00	1,995.37	-14,837.57	7,105.98	6,857.75	248.24	28.626		
14,000.00	6,840.00	6,760.00	6,760.00	216.46	117.02	90.00	1,995.37	-14,837.57	7,019.51	6,768.80	250.71	27.999		
14,100.00	6,840.00	6,760.00	6,760.00	219.12	117.02	90.00	1,995.37	-14,837.57	6,933.40	6,680.16	253.24	27.379		
14,200.00	6,840.00	6,760.00	6,760.00	221.78	117.02	90.00	1,995.37	-14,837.57	6,847.67	6,591.84	255.83	26.766		
14,300.00	6,840.00	6,760.00	6,760.00	224.45	117.02	90.00	1,995.37	-14,837.57	6,762.33	6,503.85	258.49	26.161		
14,400.00	6,840.00	6,760.00	6,760.00	227.11	117.02	90.00	1,995.37	-14,837.57	6,677.40	6,416.20	261.20	25.564		
14,500.00	6,840.00	6,760.00	6,760.00	229.78	117.02	90.00	1,995.37	-14,837.57	6,592.89	6,328.91	263.98	24.975		
14,600.00	6,840.00	6,760.00	6,760.00	232.45	117.02	90.00	1,995.37	-14,837.57	6,508.82	6,241.99	266.83	24.393		
14,700.00	6,840.00	6,760.00	6,760.00	235.12	117.02	90.00	1,995.37	-14,837.57	6,425.21	6,155.46	269.74	23.820		
14,800.00	6,840.00	6,760.00	6,760.00	237.79	117.02	90.00	1,995.37	-14,837.57	6,342.07	6,069.34	272.73	23.254		
14,900.00	6,840.00	6,760.00	6,760.00	240.46	117.02	90.00	1,995.37	-14,837.57	6,259.42	5,983.64	275.78	22.697		
15,000.00	6,840.00	6,760.00	6,760.00	243.13	117.02	90.00	1,995.37	-14,837.57	6,177.29	5,898.38	278.91	22.148		
15,100.00	6,840.00	6,760.00	6,760.00	245.80	117.02	90.00	1,995.37	-14,837.57	6,095.69	5,813.58	282.11	21.608		
15,200.00	6,840.00	6,760.00	6,760.00	248.48	117.02	90.00	1,995.37	-14,837.57	6,014.65	5,729.26	285.38	21.076		
15,300.00	6,840.00	6,760.00	6,760.00	251.15	117.02	90.00	1,995.37	-14,837.57	5,934.18	5,645.45	288.73	20.552		
15,400.00	6,840.00	6,760.00	6,760.00	253.83	117.02	90.00	1,995.37	-14,837.57	5,854.32	5,562.15	292.16	20.038		
15,500.00	6,840.00	6,760.00	6,760.00	256.51	117.02	90.00	1,995.37	-14,837.57	5,775.08	5,479.41	295.67	19.532		
15,600.00	6,840.00	6,760.00	6,760.00	259.19	117.02	90.00	1,995.37	-14,837.57	5,696.50	5,397.24	299.26	19.035		
15,700.00	6,840.00	6,760.00	6,760.00	261.87	117.02	90.00	1,995.37	-14,837.57	5,618.60	5,315.66	302.93	18.547		
15,800.00	6,840.00	6,760.00	6,760.00	264.55	117.02	90.00	1,995.37	-14,837.57	5,541.41	5,234.72	306.69	18.069		
15,900.00	6,840.00	6,760.00	6,760.00	267.23	117.02	90.00	1,995.37	-14,837.57	5,464.95	5,154.43	310.53	17.599		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT BOHLENDER 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		
16,000.00	6,840.00	6,760.00	6,760.00	269.91	117.02	90.00	1,995.37	-14,837.57	5,389.27	5,074.82	314.45	17.139		
16,100.00	6,840.00	6,760.00	6,760.00	272.59	117.02	90.00	1,995.37	-14,837.57	5,314.39	4,995.94	318.46	16.688		
16,200.00	6,840.00	6,760.00	6,760.00	275.28	117.02	90.00	1,995.37	-14,837.57	5,240.36	4,917.81	322.55	16.247		
16,300.00	6,840.00	6,760.00	6,760.00	277.96	117.02	90.00	1,995.37	-14,837.57	5,167.19	4,840.46	326.73	15.815		
16,400.00	6,840.00	6,760.00	6,760.00	280.64	117.02	90.00	1,995.37	-14,837.57	5,094.94	4,763.95	330.99	15.393		
16,500.00	6,840.00	6,760.00	6,760.00	283.33	117.02	90.00	1,995.37	-14,837.57	5,023.64	4,688.30	335.34	14.981		
16,600.00	6,840.00	6,760.00	6,760.00	286.02	117.02	90.00	1,995.37	-14,837.57	4,953.33	4,613.56	339.77	14.578		
16,700.00	6,840.00	6,760.00	6,760.00	288.70	117.02	90.00	1,995.37	-14,837.57	4,884.06	4,539.77	344.29	14.186		
16,800.00	6,840.00	6,760.00	6,760.00	291.39	117.02	90.00	1,995.37	-14,837.57	4,815.86	4,466.97	348.89	13.803		
16,900.00	6,840.00	6,760.00	6,760.00	294.08	117.02	90.00	1,995.37	-14,837.57	4,748.80	4,395.23	353.57	13.431		
17,000.00	6,840.00	6,760.00	6,760.00	296.77	117.02	90.00	1,995.37	-14,837.57	4,682.91	4,324.58	358.32	13.069		
17,100.00	6,840.00	6,760.00	6,760.00	299.46	117.02	90.00	1,995.37	-14,837.57	4,618.24	4,255.09	363.15	12.717		
17,200.00	6,840.00	6,760.00	6,760.00	302.14	117.02	90.00	1,995.37	-14,837.57	4,554.85	4,186.80	368.05	12.375		
17,300.00	6,840.00	6,760.00	6,760.00	304.84	117.02	90.00	1,995.37	-14,837.57	4,492.80	4,119.78	373.02	12.044		
17,400.00	6,840.00	6,760.00	6,760.00	307.53	117.02	90.00	1,995.37	-14,837.57	4,432.13	4,054.08	378.05	11.724		
17,500.00	6,840.00	6,760.00	6,760.00	310.22	117.02	90.00	1,995.37	-14,837.57	4,372.90	3,989.77	383.13	11.414		
17,600.00	6,840.00	6,760.00	6,760.00	312.91	117.02	90.00	1,995.37	-14,837.57	4,315.19	3,926.92	388.27	11.114		
17,700.00	6,840.00	6,760.00	6,760.00	315.60	117.02	90.00	1,995.37	-14,837.57	4,259.03	3,865.59	393.44	10.825		
17,800.00	6,840.00	6,760.00	6,760.00	318.29	117.02	90.00	1,995.37	-14,837.57	4,204.51	3,805.86	398.65	10.547		
17,900.00	6,840.00	6,760.00	6,760.00	320.99	117.02	90.00	1,995.37	-14,837.57	4,151.68	3,747.80	403.88	10.279		
18,000.00	6,840.00	6,760.00	6,760.00	323.68	117.02	90.00	1,995.37	-14,837.57	4,100.61	3,691.48	409.12	10.023		
18,100.00	6,840.00	6,760.00	6,760.00	326.38	117.02	90.00	1,995.37	-14,837.57	4,051.36	3,636.99	414.37	9.777		
18,200.00	6,840.00	6,760.00	6,760.00	329.07	117.02	90.00	1,995.37	-14,837.57	4,004.00	3,584.40	419.61	9.542		
18,300.00	6,840.00	6,760.00	6,760.00	331.77	117.02	90.00	1,995.37	-14,837.57	3,958.61	3,533.79	424.82	9.318		
18,400.00	6,840.00	6,760.00	6,760.00	334.46	117.02	90.00	1,995.37	-14,837.57	3,915.24	3,485.24	430.00	9.105		
18,500.00	6,840.00	6,760.00	6,760.00	337.16	117.02	90.00	1,995.37	-14,837.57	3,873.97	3,438.85	435.12	8.903		
18,600.00	6,840.00	6,760.00	6,760.00	339.85	117.02	90.00	1,995.37	-14,837.57	3,834.86	3,394.69	440.18	8.712		
18,700.00	6,840.00	6,760.00	6,760.00	342.55	117.02	90.00	1,995.37	-14,837.57	3,797.99	3,352.84	445.15	8.532		
18,800.00	6,840.00	6,760.00	6,760.00	345.25	117.02	90.00	1,995.37	-14,837.57	3,763.41	3,313.39	450.02	8.363		
18,900.00	6,840.00	6,760.00	6,760.00	347.94	117.02	90.00	1,995.37	-14,837.57	3,731.19	3,276.42	454.77	8.205		
19,000.00	6,840.00	6,760.00	6,760.00	350.64	117.02	90.00	1,995.37	-14,837.57	3,701.40	3,242.01	459.38	8.057		
19,100.00	6,840.00	6,760.00	6,760.00	353.34	117.02	90.00	1,995.37	-14,837.57	3,674.08	3,210.24	463.84	7.921		
19,200.00	6,840.00	6,760.00	6,760.00	356.04	117.02	90.00	1,995.37	-14,837.57	3,649.30	3,181.18	468.13	7.796		
19,300.00	6,840.00	6,760.00	6,760.00	358.74	117.02	90.00	1,995.37	-14,837.57	3,627.11	3,154.89	472.22	7.681		
19,400.00	6,840.00	6,760.00	6,760.00	361.44	117.02	90.00	1,995.37	-14,837.57	3,607.56	3,131.45	476.10	7.577		
19,500.00	6,840.00	6,760.00	6,760.00	364.13	117.02	90.00	1,995.37	-14,837.57	3,590.68	3,110.92	479.76	7.484		
19,600.00	6,840.00	6,760.00	6,760.00	366.83	117.02	90.00	1,995.37	-14,837.57	3,576.53	3,093.34	483.19	7.402		
19,700.00	6,840.00	6,760.00	6,760.00	369.53	117.02	90.00	1,995.37	-14,837.57	3,565.12	3,078.77	486.35	7.330		
19,800.00	6,840.00	6,760.00	6,760.00	372.23	117.02	90.00	1,995.37	-14,837.57	3,556.49	3,067.24	489.25	7.269		
19,900.00	6,840.00	6,760.00	6,760.00	374.94	117.02	90.00	1,995.37	-14,837.57	3,550.66	3,058.78	491.88	7.219		
20,000.00	6,840.00	6,760.00	6,760.00	377.64	117.02	90.00	1,995.37	-14,837.57	3,547.63	3,053.42	494.21	7.178		
20,057.32	6,840.00	6,760.00	6,760.00	379.18	117.02	90.00	1,995.37	-14,837.57	3,547.17	3,051.75	495.42	7.160 CC		
20,100.00	6,840.00	6,760.00	6,760.00	380.34	117.02	90.00	1,995.37	-14,837.57	3,547.43	3,051.17	496.25	7.148 ES		
20,200.00	6,840.00	6,760.00	6,760.00	383.04	117.02	90.00	1,995.37	-14,837.57	3,550.04	3,052.04	498.00	7.129		
20,300.00	6,840.00	6,760.00	6,760.00	385.74	117.02	90.00	1,995.37	-14,837.57	3,555.46	3,056.02	499.44	7.119 SF		
20,400.00	6,840.00	6,760.00	6,760.00	388.44	117.02	90.00	1,995.37	-14,837.57	3,563.68	3,063.10	500.58	7.119		
20,500.00	6,840.00	6,760.00	6,760.00	391.14	117.02	90.00	1,995.37	-14,837.57	3,574.68	3,073.26	501.42	7.129		
20,552.28	6,840.00	6,760.00	6,760.00	392.56	117.02	90.00	1,995.37	-14,837.57	3,581.53	3,079.79	501.74	7.138		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT BOHLENDER 2 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,300.00	6,840.00	6,992.16	6,991.47	73.11	2.27	93.71	2,518.52	-12,103.94	9,910.56	9,849.45	61.11	162.186		
8,400.00	6,840.00	6,990.44	6,989.75	75.21	2.27	93.68	2,518.57	-12,103.97	9,819.57	9,757.43	62.14	158.034		
8,500.00	6,840.00	6,988.72	6,988.03	77.34	2.27	93.66	2,518.61	-12,104.00	9,728.75	9,665.56	63.19	153.948		
8,600.00	6,840.00	6,987.00	6,986.31	79.51	2.26	93.63	2,518.66	-12,104.03	9,638.12	9,573.84	64.28	149.930		
8,700.00	6,840.00	6,985.28	6,984.59	81.72	2.26	93.61	2,518.70	-12,104.06	9,547.68	9,482.27	65.40	145.980		
8,800.00	6,840.00	6,983.55	6,982.87	83.95	2.26	93.59	2,518.75	-12,104.09	9,457.42	9,390.87	66.55	142.100		
8,900.00	6,840.00	6,981.83	6,981.15	86.22	2.26	93.56	2,518.80	-12,104.12	9,367.37	9,299.63	67.74	138.291		
9,000.00	6,840.00	6,980.11	6,979.43	88.51	2.26	93.54	2,518.84	-12,104.15	9,277.51	9,208.56	68.95	134.552		
9,100.00	6,840.00	6,978.39	6,977.71	90.83	2.26	93.51	2,518.89	-12,104.18	9,187.87	9,117.67	70.20	130.886		
9,200.00	6,840.00	6,976.67	6,975.99	93.16	2.26	93.49	2,518.93	-12,104.21	9,098.44	9,028.97	71.48	127.291		
9,300.00	6,840.00	6,974.95	6,974.27	95.52	2.26	93.46	2,518.98	-12,104.24	9,009.24	8,936.45	72.79	123.769		
9,400.00	6,840.00	6,973.23	6,972.55	97.90	2.26	93.44	2,519.03	-12,104.27	8,920.26	8,846.12	74.14	120.319		
9,500.00	6,840.00	6,971.51	6,970.83	100.30	2.25	93.42	2,519.07	-12,104.30	8,831.52	8,756.00	75.52	116.942		
9,600.00	6,840.00	6,969.79	6,969.11	102.72	2.25	93.39	2,519.12	-12,104.33	8,743.02	8,666.08	76.94	113.637		
9,700.00	6,840.00	6,968.07	6,967.39	105.15	2.25	93.37	2,519.17	-12,104.36	8,654.77	8,576.38	78.39	110.404		
9,800.00	6,840.00	6,966.35	6,965.67	107.59	2.25	93.34	2,519.21	-12,104.38	8,566.78	8,486.90	79.88	107.242		
9,900.00	6,840.00	6,964.62	6,963.95	110.05	2.25	93.32	2,519.26	-12,104.41	8,479.06	8,397.64	81.41	104.152		
10,000.00	6,840.00	6,962.90	6,962.23	112.52	2.25	93.30	2,519.30	-12,104.44	8,391.60	8,308.63	82.98	101.133		
10,100.00	6,840.00	6,961.18	6,960.51	115.00	2.25	93.27	2,519.35	-12,104.47	8,304.44	8,219.86	84.58	98.183		
10,200.00	6,840.00	6,959.46	6,958.79	117.50	2.25	93.25	2,519.40	-12,104.50	8,217.56	8,131.34	86.23	95.304		
10,300.00	6,840.00	6,957.74	6,957.07	120.00	2.25	93.22	2,519.44	-12,104.53	8,130.99	8,043.08	87.91	92.493		
10,400.00	6,840.00	6,956.02	6,955.35	122.51	2.24	93.20	2,519.49	-12,104.56	8,044.72	7,955.09	89.64	89.750		
10,500.00	6,840.00	6,954.30	6,953.63	125.04	2.24	93.18	2,519.53	-12,104.59	7,958.78	7,867.38	91.40	87.074		
10,600.00	6,840.00	6,952.58	6,951.91	127.57	2.24	93.15	2,519.58	-12,104.62	7,873.17	7,779.96	93.21	84.465		
10,700.00	6,840.00	6,950.86	6,950.19	130.11	2.24	93.13	2,519.63	-12,104.65	7,787.90	7,692.84	95.07	81.921		
10,800.00	6,840.00	6,949.14	6,948.47	132.66	2.24	93.10	2,519.67	-12,104.68	7,702.99	7,606.02	96.96	79.442		
10,900.00	6,840.00	6,947.42	6,946.75	135.21	2.24	93.08	2,519.72	-12,104.71	7,618.44	7,519.53	98.91	77.027		
11,000.00	6,840.00	6,945.69	6,945.03	137.77	2.24	93.06	2,519.76	-12,104.74	7,534.27	7,433.37	100.90	74.674		
11,100.00	6,840.00	6,943.97	6,943.31	140.34	2.24	93.03	2,519.81	-12,104.77	7,450.49	7,347.56	102.93	72.384		
11,200.00	6,840.00	6,942.25	6,941.59	142.91	2.24	93.01	2,519.86	-12,104.80	7,367.11	7,262.10	105.01	70.154		
11,300.00	6,840.00	6,940.53	6,939.87	145.49	2.23	92.98	2,519.90	-12,104.83	7,284.16	7,177.01	107.15	67.983		
11,400.00	6,840.00	6,938.81	6,938.15	148.07	2.23	92.96	2,519.95	-12,104.86	7,201.63	7,092.30	109.33	65.872		
11,500.00	6,840.00	6,937.09	6,936.43	150.66	2.23	92.93	2,519.99	-12,104.88	7,119.55	7,007.99	111.56	63.818		
11,600.00	6,840.00	6,935.37	6,934.71	153.25	2.23	92.91	2,520.04	-12,104.91	7,037.94	6,924.10	113.84	61.821		
11,700.00	6,840.00	6,933.65	6,932.99	155.85	2.23	92.89	2,520.09	-12,104.94	6,956.81	6,840.63	116.18	59.880		
11,800.00	6,840.00	6,931.93	6,931.27	158.45	2.23	92.86	2,520.13	-12,104.97	6,876.17	6,757.60	118.57	57.994		
11,900.00	6,840.00	6,930.21	6,929.55	161.06	2.23	92.84	2,520.18	-12,105.00	6,796.05	6,675.04	121.01	56.161		
12,000.00	6,840.00	6,928.48	6,927.83	163.67	2.23	92.81	2,520.23	-12,105.03	6,716.45	6,592.95	123.51	54.381		
12,100.00	6,840.00	6,926.76	6,926.11	166.28	2.23	92.79	2,520.27	-12,105.06	6,637.42	6,511.35	126.06	52.652		
12,200.00	6,840.00	6,925.04	6,924.39	168.90	2.22	92.77	2,520.32	-12,105.09	6,558.95	6,430.28	128.67	50.974		
12,300.00	6,840.00	6,923.32	6,922.67	171.52	2.22	92.74	2,520.36	-12,105.12	6,481.07	6,349.74	131.34	49.346		
12,400.00	6,840.00	6,921.60	6,920.95	174.15	2.22	92.72	2,520.41	-12,105.15	6,403.81	6,269.75	134.06	47.767		
12,500.00	6,840.00	6,919.88	6,919.23	176.77	2.22	92.69	2,520.46	-12,105.18	6,327.19	6,190.34	136.85	46.235		
12,600.00	6,840.00	6,918.16	6,917.51	179.40	2.22	92.67	2,520.50	-12,105.21	6,251.23	6,111.53	139.69	44.750		
12,700.00	6,840.00	6,916.44	6,915.79	182.04	2.22	92.65	2,520.55	-12,105.24	6,175.95	6,033.35	142.60	43.311		
12,800.00	6,840.00	6,914.72	6,914.07	184.67	2.22	92.62	2,520.59	-12,105.27	6,101.38	5,955.82	145.56	41.917		
12,900.00	6,840.00	6,913.00	6,912.35	187.31	2.22	92.60	2,520.64	-12,105.30	6,027.54	5,878.96	148.58	40.566		
13,000.00	6,840.00	6,911.28	6,910.63	189.95	2.22	92.57	2,520.69	-12,105.33	5,954.47	5,802.80	151.67	39.259		
13,100.00	6,840.00	6,909.55	6,908.91	192.59	2.21	92.55	2,520.73	-12,105.35	5,882.19	5,727.38	154.82	37.994		
13,200.00	6,840.00	6,907.83	6,907.19	195.24	2.21	92.53	2,520.78	-12,105.38	5,810.74	5,652.71	158.03	36.770		
13,300.00	6,840.00	6,906.11	6,905.47	197.88	2.21	92.50	2,520.82	-12,105.41	5,740.13	5,578.83	161.30	35.587		
13,400.00	6,840.00	6,904.39	6,903.75	200.53	2.21	92.48	2,520.87	-12,105.44	5,670.41	5,505.78	164.63	34.443		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT BOHLENDER 2 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,500.00	6,840.00	6,902.67	6,902.03	203.18	2.21	92.45	2,520.92	-12,105.47	5,601.61	5,433.58	168.02	33.338		
13,600.00	6,840.00	6,900.95	6,900.31	205.83	2.21	92.43	2,520.96	-12,105.50	5,533.76	5,362.28	171.48	32.271		
13,700.00	6,840.00	6,899.23	6,898.59	208.49	2.21	92.40	2,521.01	-12,105.53	5,466.89	5,291.90	174.99	31.241		
13,800.00	6,840.00	6,897.51	6,896.87	211.14	2.21	92.38	2,521.05	-12,105.56	5,401.05	5,222.49	178.56	30.248		
13,900.00	6,840.00	6,895.79	6,895.15	213.80	2.21	92.36	2,521.10	-12,105.59	5,336.27	5,154.08	182.19	29.290		
14,000.00	6,840.00	6,894.07	6,893.43	216.46	2.20	92.33	2,521.15	-12,105.62	5,272.58	5,086.71	185.87	28.367		
14,100.00	6,840.00	6,892.35	6,891.71	219.12	2.20	92.31	2,521.19	-12,105.65	5,210.04	5,020.43	189.61	27.478		
14,200.00	6,840.00	6,890.62	6,889.99	221.78	2.20	92.28	2,521.24	-12,105.68	5,148.68	4,955.28	193.40	26.622		
14,300.00	6,840.00	6,888.90	6,888.27	224.45	2.20	92.26	2,521.28	-12,105.71	5,088.55	4,891.31	197.24	25.799		
14,400.00	6,840.00	6,887.18	6,886.55	227.11	2.20	92.24	2,521.33	-12,105.74	5,029.68	4,828.56	201.12	25.008		
14,500.00	6,840.00	6,885.46	6,884.83	229.78	2.20	92.21	2,521.38	-12,105.77	4,972.13	4,767.09	205.05	24.249		
14,600.00	6,840.00	6,883.74	6,883.11	232.45	2.20	92.19	2,521.42	-12,105.80	4,915.94	4,706.93	209.01	23.520		
14,700.00	6,840.00	6,882.02	6,881.39	235.12	2.20	92.16	2,521.47	-12,105.82	4,861.16	4,648.14	213.01	22.821		
14,800.00	6,840.00	6,880.30	6,879.67	237.79	2.19	92.14	2,521.52	-12,105.85	4,807.83	4,590.78	217.05	22.151		
14,900.00	6,840.00	6,878.58	6,877.95	240.46	2.19	92.12	2,521.56	-12,105.88	4,756.00	4,534.90	221.10	21.510		
15,000.00	6,840.00	6,876.86	6,876.23	243.13	2.19	92.09	2,521.61	-12,105.91	4,705.73	4,480.56	225.18	20.898		
15,100.00	6,840.00	6,875.14	6,874.51	245.80	2.19	92.07	2,521.65	-12,105.94	4,657.07	4,427.80	229.27	20.313		
15,200.00	6,840.00	6,873.42	6,872.79	248.48	2.19	92.04	2,521.70	-12,105.97	4,610.06	4,376.69	233.37	19.754		
15,300.00	6,840.00	6,871.69	6,871.07	251.15	2.19	92.02	2,521.75	-12,106.00	4,564.75	4,327.29	237.47	19.223		
15,400.00	6,840.00	6,869.97	6,869.35	253.83	2.19	91.99	2,521.79	-12,106.03	4,521.20	4,279.65	241.56	18.717		
15,500.00	6,840.00	6,868.25	6,867.63	256.51	2.19	91.97	2,521.84	-12,106.06	4,479.47	4,233.83	245.63	18.236		
15,600.00	6,840.00	6,866.53	6,865.91	259.19	2.19	91.95	2,521.88	-12,106.09	4,439.59	4,189.90	249.69	17.780		
15,700.00	6,840.00	6,864.81	6,864.19	261.87	2.18	91.92	2,521.93	-12,106.12	4,401.62	4,147.91	253.71	17.349		
15,800.00	6,840.00	6,863.09	6,862.47	264.55	2.18	91.90	2,521.98	-12,106.15	4,365.61	4,107.92	257.69	16.941		
15,900.00	6,840.00	6,861.37	6,860.75	267.23	2.18	91.87	2,522.02	-12,106.18	4,331.61	4,069.99	261.62	16.557		
16,000.00	6,840.00	6,859.65	6,859.03	269.91	2.18	91.85	2,522.07	-12,106.21	4,299.67	4,034.18	265.49	16.195		
16,100.00	6,840.00	6,857.93	6,857.31	272.59	2.18	91.83	2,522.11	-12,106.24	4,269.83	4,000.53	269.29	15.856		
16,200.00	6,840.00	6,856.21	6,855.59	275.28	2.18	91.80	2,522.16	-12,106.27	4,242.14	3,969.12	273.01	15.538		
16,300.00	6,840.00	6,854.49	6,853.87	277.96	2.18	91.78	2,522.21	-12,106.30	4,216.63	3,939.99	276.64	15.242		
16,400.00	6,840.00	6,852.76	6,852.15	280.64	2.18	91.75	2,522.25	-12,106.32	4,193.36	3,913.18	280.17	14.967		
16,500.00	6,840.00	6,851.04	6,850.43	283.33	2.18	91.73	2,522.30	-12,106.35	4,172.35	3,888.76	283.59	14.712		
16,600.00	6,840.00	6,849.32	6,848.71	286.02	2.17	91.71	2,522.34	-12,106.38	4,153.65	3,866.75	286.89	14.478		
16,700.00	6,840.00	6,847.60	6,846.99	288.70	2.17	91.68	2,522.39	-12,106.41	4,137.27	3,847.21	290.07	14.263		
16,800.00	6,840.00	6,845.88	6,845.27	291.39	2.17	91.66	2,522.44	-12,106.44	4,123.26	3,830.16	293.10	14.068		
16,900.00	6,840.00	6,844.16	6,843.55	294.08	2.17	91.63	2,522.48	-12,106.47	4,111.63	3,815.65	295.99	13.891		
17,000.00	6,840.00	6,842.44	6,841.83	296.77	2.17	91.61	2,522.53	-12,106.50	4,102.41	3,803.69	298.72	13.733		
17,100.00	6,840.00	6,840.72	6,840.11	299.46	2.17	91.59	2,522.58	-12,106.53	4,095.61	3,794.31	301.29	13.594		
17,200.00	6,840.00	6,839.00	6,838.39	302.14	2.17	91.56	2,522.62	-12,106.56	4,091.24	3,787.54	303.69	13.472		
17,300.00	6,840.00	6,837.28	6,836.67	304.84	2.17	91.54	2,522.67	-12,106.59	4,089.31	3,783.38	305.93	13.367		
17,328.94	6,840.00	6,836.78	6,836.17	305.61	2.17	91.53	2,522.68	-12,106.60	4,089.20	3,782.67	306.54	13.340 CC		
17,400.00	6,840.00	6,835.55	6,834.95	307.53	2.17	91.51	2,522.71	-12,106.62	4,089.82	3,781.84	307.98	13.280 ES		
17,500.00	6,840.00	6,833.83	6,833.23	310.22	2.16	91.49	2,522.76	-12,106.65	4,092.78	3,782.93	309.85	13.209		
17,600.00	6,840.00	6,832.11	6,831.51	312.91	2.16	91.46	2,522.81	-12,106.68	4,098.17	3,786.63	311.54	13.155		
17,700.00	6,840.00	6,830.39	6,829.79	315.60	2.16	91.44	2,522.85	-12,106.71	4,106.00	3,792.95	313.04	13.116		
17,800.00	6,840.00	6,828.67	6,828.07	318.29	2.16	91.42	2,522.90	-12,106.74	4,116.24	3,801.88	314.36	13.094		
17,900.00	6,840.00	6,826.95	6,826.35	320.99	2.16	91.39	2,522.94	-12,106.77	4,128.87	3,813.38	315.49	13.087 SF		
18,000.00	6,840.00	6,825.23	6,824.63	323.68	2.16	91.37	2,522.99	-12,106.79	4,143.88	3,827.44	316.44	13.095		
18,100.00	6,840.00	6,823.51	6,822.91	326.38	2.16	91.34	2,523.04	-12,106.82	4,161.24	3,844.03	317.21	13.118		
18,200.00	6,840.00	6,821.79	6,821.19	329.07	2.16	91.32	2,523.08	-12,106.85	4,180.92	3,863.12	317.80	13.156		
18,300.00	6,840.00	6,820.07	6,819.47	331.77	2.16	91.30	2,523.13	-12,106.88	4,202.89	3,884.67	318.21	13.208		
18,400.00	6,840.00	6,818.35	6,817.75	334.46	2.15	91.27	2,523.17	-12,106.91	4,227.10	3,908.65	318.46	13.274		
18,500.00	6,840.00	6,816.62	6,816.03	337.16	2.15	91.25	2,523.22	-12,106.94	4,253.54	3,935.00	318.54	13.353		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design											SEC 27-T4N-R65W - ABND VERT BOHLENDER 2 GYRO - OWB - GYRO		Offset Site Error:		0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance								
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)				
18,600.00	6,840.00	6,814.90	6,814.31	339.85	2.15	91.22	2,523.27	-12,106.97	4,282.14	3,963.68	318.46	13.446			
18,700.00	6,840.00	6,819.18	6,818.58	342.55	2.15	91.28	2,523.14	-12,106.89	4,312.86	3,994.64	318.22	13.553			
18,800.00	6,840.00	6,816.61	6,816.01	345.25	2.15	91.25	2,523.21	-12,106.94	4,345.68	4,027.83	317.84	13.672			
18,900.00	6,840.00	6,814.06	6,813.46	347.94	2.15	91.21	2,523.28	-12,106.98	4,380.53	4,063.20	317.33	13.804			
19,000.00	6,840.00	6,811.52	6,810.93	350.64	2.15	91.18	2,523.35	-12,107.03	4,417.37	4,100.69	316.69	13.949			
19,100.00	6,840.00	6,809.01	6,808.42	353.34	2.15	91.14	2,523.42	-12,107.07	4,456.15	4,140.23	315.92	14.105			
19,200.00	6,840.00	6,806.52	6,805.93	356.04	2.14	91.11	2,523.49	-12,107.11	4,496.82	4,181.78	315.04	14.274			
19,300.00	6,840.00	6,804.05	6,803.46	358.74	2.14	91.07	2,523.56	-12,107.16	4,539.33	4,225.28	314.05	14.454			
19,400.00	6,840.00	6,801.61	6,801.02	361.44	2.14	91.04	2,523.62	-12,107.20	4,583.62	4,270.67	312.96	14.646			
19,500.00	6,840.00	6,799.18	6,798.59	364.13	2.14	91.00	2,523.69	-12,107.24	4,629.65	4,317.88	311.78	14.849			
19,600.00	6,840.00	6,796.77	6,796.18	366.83	2.14	90.97	2,523.75	-12,107.28	4,677.37	4,366.86	310.51	15.064			
19,700.00	6,840.00	6,794.38	6,793.79	369.53	2.14	90.94	2,523.81	-12,107.32	4,726.72	4,417.55	309.16	15.289			
19,800.00	6,840.00	6,792.01	6,791.42	372.23	2.14	90.90	2,523.88	-12,107.36	4,777.65	4,469.90	307.75	15.525			
19,900.00	6,840.00	6,789.66	6,789.07	374.94	2.14	90.87	2,523.94	-12,107.40	4,830.11	4,523.84	306.27	15.771			
20,000.00	6,840.00	6,787.33	6,786.74	377.64	2.14	90.84	2,524.00	-12,107.44	4,884.06	4,579.33	304.73	16.028			
20,100.00	6,840.00	6,785.01	6,784.43	380.34	2.14	90.80	2,524.06	-12,107.48	4,939.44	4,636.30	303.14	16.294			
20,200.00	6,840.00	6,782.72	6,782.14	383.04	2.14	90.77	2,524.12	-12,107.52	4,996.21	4,694.70	301.50	16.571			
20,300.00	6,840.00	6,780.44	6,779.86	385.74	2.14	90.74	2,524.17	-12,107.55	5,054.31	4,754.48	299.83	16.857			
20,400.00	6,840.00	6,778.19	6,777.61	388.44	2.14	90.71	2,524.23	-12,107.59	5,113.72	4,815.60	298.12	17.153			
20,500.00	6,840.00	6,775.95	6,775.37	391.14	2.13	90.68	2,524.28	-12,107.63	5,174.37	4,877.99	296.38	17.458			
20,552.28	6,840.00	6,774.78	6,774.20	392.56	2.13	90.66	2,524.31	-12,107.65	5,206.56	4,911.10	295.46	17.622			

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT DUPPER 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		
4,000.00	3,752.59	3,626.59	3,626.59	26.69	62.34	52.50	1,297.81	-10,772.22	9,999.80	9,914.60	85.20	117.370		
4,100.00	3,844.08	3,718.08	3,718.08	27.50	63.93	52.67	1,297.81	-10,772.22	9,973.91	9,886.40	87.51	113.974		
4,200.00	3,935.58	3,809.58	3,809.58	28.32	65.53	52.85	1,297.81	-10,772.22	9,948.12	9,858.29	89.83	110.750		
4,300.00	4,027.07	3,901.07	3,901.07	29.13	67.13	53.02	1,297.81	-10,772.22	9,922.43	9,830.28	92.14	107.686		
4,400.00	4,118.57	4,007.43	3,992.57	29.95	68.98	53.20	1,297.81	-10,772.22	9,896.83	9,802.11	94.72	104.484		
4,500.00	4,210.06	4,084.06	4,084.06	30.76	70.32	53.38	1,297.81	-10,772.22	9,871.33	9,774.55	96.78	101.994		
4,600.00	4,301.56	4,175.56	4,175.56	31.58	71.92	53.55	1,297.81	-10,772.22	9,845.94	9,746.83	99.11	99.346		
4,700.00	4,393.05	4,267.05	4,267.05	32.39	73.51	53.73	1,297.81	-10,772.22	9,820.64	9,719.21	101.43	96.818		
4,800.00	4,484.55	4,358.55	4,358.55	33.21	75.11	53.91	1,297.81	-10,772.22	9,795.44	9,691.68	103.76	94.402		
4,900.00	4,576.04	4,450.04	4,450.04	34.02	76.71	54.09	1,297.81	-10,772.22	9,770.35	9,664.25	106.10	92.090		
5,000.00	4,667.54	4,541.54	4,541.54	34.84	78.30	54.28	1,297.81	-10,772.22	9,745.36	9,636.93	108.43	89.877		
5,100.00	4,759.03	4,633.03	4,633.03	35.65	79.90	54.46	1,297.81	-10,772.22	9,720.47	9,609.70	110.77	87.756		
5,200.00	4,850.53	4,724.53	4,724.53	36.47	81.50	54.64	1,297.81	-10,772.22	9,695.68	9,582.58	113.11	85.722		
5,300.00	4,942.02	4,816.02	4,816.02	37.28	83.10	54.83	1,297.81	-10,772.22	9,671.00	9,555.56	115.45	83.770		
5,400.00	5,033.51	4,907.51	4,907.51	38.10	84.69	55.01	1,297.81	-10,772.22	9,646.43	9,528.64	117.79	81.894		
5,500.00	5,125.01	5,000.99	4,999.01	38.92	86.32	55.20	1,297.81	-10,772.22	9,621.96	9,501.79	120.17	80.068		
5,600.00	5,216.50	5,109.50	5,090.50	39.73	88.22	55.38	1,297.81	-10,772.22	9,597.60	9,474.78	122.82	78.145		
5,700.00	5,308.00	5,182.00	5,182.00	40.55	89.48	55.57	1,297.81	-10,772.22	9,573.35	9,448.51	124.84	76.686		
5,800.00	5,399.49	5,273.49	5,273.49	41.36	91.08	55.76	1,297.81	-10,772.22	9,549.21	9,422.02	127.19	75.077		
5,900.00	5,490.99	5,364.99	5,364.99	42.18	92.68	55.95	1,297.81	-10,772.22	9,525.17	9,395.63	129.55	73.526		
6,000.00	5,582.48	5,456.48	5,456.48	43.00	94.27	56.14	1,297.81	-10,772.22	9,501.25	9,369.34	131.91	72.030		
6,100.00	5,673.98	5,547.98	5,547.98	43.81	95.87	56.33	1,297.81	-10,772.22	9,477.44	9,343.17	134.27	70.586		
6,200.00	5,765.47	5,639.47	5,639.47	44.63	97.47	56.52	1,297.81	-10,772.22	9,453.74	9,317.11	136.63	69.192		
6,300.00	5,856.97	5,730.97	5,730.97	45.45	99.06	56.71	1,297.81	-10,772.22	9,430.16	9,291.16	139.00	67.845		
6,400.00	5,948.46	5,822.46	5,822.46	46.26	100.66	56.91	1,297.81	-10,772.22	9,406.68	9,265.32	141.36	66.542		
6,500.00	6,039.96	5,913.96	5,913.96	47.08	102.26	57.10	1,297.81	-10,772.22	9,383.33	9,239.59	143.74	65.282		
6,600.00	6,131.45	6,005.45	6,005.45	47.90	103.85	57.30	1,297.81	-10,772.22	9,360.09	9,213.98	146.11	64.063		
6,700.00	6,222.95	6,103.05	6,096.95	48.71	105.56	57.49	1,297.81	-10,772.22	9,336.96	9,188.37	148.59	62.837		
6,800.00	6,314.44	6,188.44	6,188.44	49.53	107.05	57.69	1,297.81	-10,772.22	9,313.95	9,163.09	150.86	61.739		
6,900.00	6,405.93	6,279.93	6,279.93	50.35	108.65	57.89	1,297.81	-10,772.22	9,291.07	9,137.82	153.24	60.630		
7,000.00	6,497.01	6,371.01	6,371.01	51.18	110.24	53.36	1,297.81	-10,772.22	9,267.11	9,111.48	155.62	59.548		
7,100.00	6,582.62	6,456.62	6,456.62	52.20	111.73	46.14	1,297.81	-10,772.22	9,230.50	9,072.50	157.99	58.424		
7,200.00	6,659.25	6,533.25	6,533.25	53.42	113.07	43.46	1,297.81	-10,772.22	9,179.27	9,019.00	160.27	57.273		
7,300.00	6,724.59	6,601.41	6,598.59	54.84	114.26	44.00	1,297.81	-10,772.22	9,115.00	8,952.57	162.43	56.115		
7,400.00	6,776.64	6,650.64	6,650.64	56.40	115.12	47.76	1,297.81	-10,772.22	9,039.66	8,875.39	164.26	55.032		
7,500.00	6,813.82	6,687.82	6,687.82	58.08	115.76	55.94	1,297.81	-10,772.22	8,955.52	8,789.68	165.84	54.001		
7,600.00	6,835.01	6,709.01	6,709.01	59.82	116.13	71.31	1,297.81	-10,772.22	8,865.13	8,698.07	167.06	53.065		
7,700.00	6,840.00	6,714.00	6,714.00	61.57	116.22	90.00	1,297.81	-10,772.22	8,771.24	8,603.33	167.90	52.240		
7,800.00	6,840.00	6,714.00	6,714.00	63.35	116.22	90.00	1,297.81	-10,772.22	8,676.80	8,508.16	168.64	51.452		
7,900.00	6,840.00	6,714.00	6,714.00	65.20	116.22	90.00	1,297.81	-10,772.22	8,582.49	8,413.09	169.40	50.664		
8,000.00	6,840.00	6,714.00	6,714.00	67.10	116.22	90.00	1,297.81	-10,772.22	8,488.31	8,318.12	170.19	49.877		
8,100.00	6,840.00	6,714.00	6,714.00	69.05	116.22	90.00	1,297.81	-10,772.22	8,394.26	8,223.27	171.00	49.090		
8,200.00	6,840.00	6,714.00	6,714.00	71.06	116.22	90.00	1,297.81	-10,772.22	8,300.36	8,128.52	171.84	48.303		
8,300.00	6,840.00	6,714.00	6,714.00	73.11	116.22	90.00	1,297.81	-10,772.22	8,206.60	8,033.89	172.71	47.517		
8,400.00	6,840.00	6,714.00	6,714.00	75.21	116.22	90.00	1,297.81	-10,772.22	8,112.98	7,939.38	173.61	46.732		
8,500.00	6,840.00	6,714.00	6,714.00	77.34	116.22	90.00	1,297.81	-10,772.22	8,019.52	7,844.99	174.53	45.949		
8,600.00	6,840.00	6,714.00	6,714.00	79.51	116.22	90.00	1,297.81	-10,772.22	7,926.23	7,750.74	175.49	45.166		
8,700.00	6,840.00	6,714.00	6,714.00	81.72	116.22	90.00	1,297.81	-10,772.22	7,833.09	7,656.61	176.48	44.385		
8,800.00	6,840.00	6,714.00	6,714.00	83.95	116.22	90.00	1,297.81	-10,772.22	7,740.13	7,562.63	177.50	43.606		
8,900.00	6,840.00	6,714.00	6,714.00	86.22	116.22	90.00	1,297.81	-10,772.22	7,647.34	7,468.79	178.55	42.829		
9,000.00	6,840.00	6,714.00	6,714.00	88.51	116.22	90.00	1,297.81	-10,772.22	7,554.74	7,375.10	179.64	42.055		
9,100.00	6,840.00	6,714.00	6,714.00	90.83	116.22	90.00	1,297.81	-10,772.22	7,462.33	7,281.57	180.76	41.282		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT DUPPER 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		
9,200.00	6,840.00	6,714.00	6,714.00	93.16	116.22	90.00	1,297.81	-10,772.22	7,370.12	7,188.20	181.92	40.512		
9,300.00	6,840.00	6,714.00	6,714.00	95.52	116.22	90.00	1,297.81	-10,772.22	7,278.12	7,095.00	183.12	39.746		
9,400.00	6,840.00	6,714.00	6,714.00	97.90	116.22	90.00	1,297.81	-10,772.22	7,186.32	7,001.97	184.35	38.982		
9,500.00	6,840.00	6,714.00	6,714.00	100.30	116.22	90.00	1,297.81	-10,772.22	7,094.75	6,909.13	185.62	38.221		
9,600.00	6,840.00	6,714.00	6,714.00	102.72	116.22	90.00	1,297.81	-10,772.22	7,003.41	6,816.48	186.94	37.464		
9,700.00	6,840.00	6,714.00	6,714.00	105.15	116.22	90.00	1,297.81	-10,772.22	6,912.31	6,724.02	188.29	36.711		
9,800.00	6,840.00	6,714.00	6,714.00	107.59	116.22	90.00	1,297.81	-10,772.22	6,821.46	6,631.77	189.69	35.961		
9,900.00	6,840.00	6,714.00	6,714.00	110.05	116.22	90.00	1,297.81	-10,772.22	6,730.87	6,539.74	191.13	35.216		
10,000.00	6,840.00	6,714.00	6,714.00	112.52	116.22	90.00	1,297.81	-10,772.22	6,640.55	6,447.93	192.62	34.476		
10,100.00	6,840.00	6,714.00	6,714.00	115.00	116.22	90.00	1,297.81	-10,772.22	6,550.51	6,356.36	194.15	33.740		
10,200.00	6,840.00	6,714.00	6,714.00	117.50	116.22	90.00	1,297.81	-10,772.22	6,460.76	6,265.03	195.73	33.008		
10,300.00	6,840.00	6,714.00	6,714.00	120.00	116.22	90.00	1,297.81	-10,772.22	6,371.32	6,173.96	197.36	32.282		
10,400.00	6,840.00	6,714.00	6,714.00	122.51	116.22	90.00	1,297.81	-10,772.22	6,282.20	6,083.15	199.04	31.562		
10,500.00	6,840.00	6,714.00	6,714.00	125.04	116.22	90.00	1,297.81	-10,772.22	6,193.41	5,992.63	200.78	30.847		
10,600.00	6,840.00	6,714.00	6,714.00	127.57	116.22	90.00	1,297.81	-10,772.22	6,104.96	5,902.39	202.57	30.138		
10,700.00	6,840.00	6,714.00	6,714.00	130.11	116.22	90.00	1,297.81	-10,772.22	6,016.88	5,812.46	204.41	29.435		
10,800.00	6,840.00	6,714.00	6,714.00	132.66	116.22	90.00	1,297.81	-10,772.22	5,929.17	5,722.86	206.32	28.738		
10,900.00	6,840.00	6,714.00	6,714.00	135.21	116.22	90.00	1,297.81	-10,772.22	5,841.86	5,633.58	208.28	28.048		
11,000.00	6,840.00	6,714.00	6,714.00	137.77	116.22	90.00	1,297.81	-10,772.22	5,754.97	5,544.66	210.30	27.365		
11,100.00	6,840.00	6,714.00	6,714.00	140.34	116.22	90.00	1,297.81	-10,772.22	5,668.50	5,456.11	212.39	26.689		
11,200.00	6,840.00	6,714.00	6,714.00	142.91	116.22	90.00	1,297.81	-10,772.22	5,582.49	5,367.95	214.55	26.020		
11,300.00	6,840.00	6,714.00	6,714.00	145.49	116.22	90.00	1,297.81	-10,772.22	5,496.95	5,280.19	216.77	25.359		
11,400.00	6,840.00	6,714.00	6,714.00	148.07	116.22	90.00	1,297.81	-10,772.22	5,411.91	5,192.85	219.06	24.706		
11,500.00	6,840.00	6,714.00	6,714.00	150.66	116.22	90.00	1,297.81	-10,772.22	5,327.38	5,105.97	221.42	24.060		
11,600.00	6,840.00	6,714.00	6,714.00	153.25	116.22	90.00	1,297.81	-10,772.22	5,243.41	5,019.55	223.85	23.424		
11,700.00	6,840.00	6,714.00	6,714.00	155.85	116.22	90.00	1,297.81	-10,772.22	5,160.00	4,933.64	226.36	22.795		
11,800.00	6,840.00	6,714.00	6,714.00	158.45	116.22	90.00	1,297.81	-10,772.22	5,077.19	4,848.24	228.95	22.176		
11,900.00	6,840.00	6,714.00	6,714.00	161.06	116.22	90.00	1,297.81	-10,772.22	4,995.01	4,763.39	231.62	21.566		
12,000.00	6,840.00	6,714.00	6,714.00	163.67	116.22	90.00	1,297.81	-10,772.22	4,913.49	4,679.13	234.37	20.965		
12,100.00	6,840.00	6,714.00	6,714.00	166.28	116.22	90.00	1,297.81	-10,772.22	4,832.67	4,595.47	237.20	20.374		
12,200.00	6,840.00	6,714.00	6,714.00	168.90	116.22	90.00	1,297.81	-10,772.22	4,752.57	4,512.46	240.12	19.793		
12,300.00	6,840.00	6,714.00	6,714.00	171.52	116.22	90.00	1,297.81	-10,772.22	4,673.25	4,430.12	243.12	19.222		
12,400.00	6,840.00	6,714.00	6,714.00	174.15	116.22	90.00	1,297.81	-10,772.22	4,594.73	4,348.51	246.22	18.661		
12,500.00	6,840.00	6,714.00	6,714.00	176.77	116.22	90.00	1,297.81	-10,772.22	4,517.05	4,267.65	249.40	18.111		
12,600.00	6,840.00	6,714.00	6,714.00	179.40	116.22	90.00	1,297.81	-10,772.22	4,440.28	4,187.60	252.68	17.573		
12,700.00	6,840.00	6,714.00	6,714.00	182.04	116.22	90.00	1,297.81	-10,772.22	4,364.44	4,108.39	256.05	17.045		
12,800.00	6,840.00	6,714.00	6,714.00	184.67	116.22	90.00	1,297.81	-10,772.22	4,289.59	4,030.07	259.52	16.529		
12,900.00	6,840.00	6,714.00	6,714.00	187.31	116.22	90.00	1,297.81	-10,772.22	4,215.79	3,952.71	263.08	16.025		
13,000.00	6,840.00	6,714.00	6,714.00	189.95	116.22	90.00	1,297.81	-10,772.22	4,143.09	3,876.35	266.73	15.533		
13,100.00	6,840.00	6,714.00	6,714.00	192.59	116.22	90.00	1,297.81	-10,772.22	4,071.54	3,801.05	270.49	15.053		
13,200.00	6,840.00	6,714.00	6,714.00	195.24	116.22	90.00	1,297.81	-10,772.22	4,001.21	3,726.88	274.33	14.585		
13,300.00	6,840.00	6,714.00	6,714.00	197.88	116.22	90.00	1,297.81	-10,772.22	3,932.17	3,653.90	278.27	14.131		
13,400.00	6,840.00	6,714.00	6,714.00	200.53	116.22	90.00	1,297.81	-10,772.22	3,864.49	3,582.19	282.30	13.689		
13,500.00	6,840.00	6,714.00	6,714.00	203.18	116.22	90.00	1,297.81	-10,772.22	3,798.23	3,511.82	286.41	13.261		
13,600.00	6,840.00	6,714.00	6,714.00	205.83	116.22	90.00	1,297.81	-10,772.22	3,733.47	3,442.86	290.61	12.847		
13,700.00	6,840.00	6,714.00	6,714.00	208.49	116.22	90.00	1,297.81	-10,772.22	3,670.30	3,375.41	294.89	12.446		
13,800.00	6,840.00	6,714.00	6,714.00	211.14	116.22	90.00	1,297.81	-10,772.22	3,608.79	3,309.54	299.24	12.060		
13,900.00	6,840.00	6,714.00	6,714.00	213.80	116.22	90.00	1,297.81	-10,772.22	3,549.03	3,245.37	303.66	11.687		
14,000.00	6,840.00	6,714.00	6,714.00	216.46	116.22	90.00	1,297.81	-10,772.22	3,491.12	3,182.98	308.14	11.330		
14,100.00	6,840.00	6,714.00	6,714.00	219.12	116.22	90.00	1,297.81	-10,772.22	3,435.14	3,122.47	312.67	10.987		
14,200.00	6,840.00	6,714.00	6,714.00	221.78	116.22	90.00	1,297.81	-10,772.22	3,381.19	3,063.96	317.23	10.658		
14,300.00	6,840.00	6,714.00	6,714.00	224.45	116.22	90.00	1,297.81	-10,772.22	3,329.37	3,007.55	321.82	10.345		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT DUPPER 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		
14,400.00	6,840.00	6,714.00	6,714.00	227.11	116.22	90.00	1,297.81	-10,772.22	3,279.79	2,953.37	326.42	10.048		
14,500.00	6,840.00	6,714.00	6,714.00	229.78	116.22	90.00	1,297.81	-10,772.22	3,232.54	2,901.53	331.01	9.766		
14,600.00	6,840.00	6,714.00	6,714.00	232.45	116.22	90.00	1,297.81	-10,772.22	3,187.72	2,852.14	335.58	9.499		
14,700.00	6,840.00	6,714.00	6,714.00	235.12	116.22	90.00	1,297.81	-10,772.22	3,145.45	2,805.34	340.11	9.248		
14,800.00	6,840.00	6,714.00	6,714.00	237.79	116.22	90.00	1,297.81	-10,772.22	3,105.82	2,761.25	344.57	9.014		
14,900.00	6,840.00	6,714.00	6,714.00	240.46	116.22	90.00	1,297.81	-10,772.22	3,068.94	2,719.99	348.95	8.795		
15,000.00	6,840.00	6,714.00	6,714.00	243.13	116.22	90.00	1,297.81	-10,772.22	3,034.91	2,681.69	353.22	8.592		
15,100.00	6,840.00	6,714.00	6,714.00	245.80	116.22	90.00	1,297.81	-10,772.22	3,003.82	2,646.47	357.35	8.406		
15,200.00	6,840.00	6,714.00	6,714.00	248.48	116.22	90.00	1,297.81	-10,772.22	2,975.77	2,614.44	361.34	8.235		
15,300.00	6,840.00	6,714.00	6,714.00	251.15	116.22	90.00	1,297.81	-10,772.22	2,950.84	2,585.71	365.14	8.081		
15,400.00	6,840.00	6,714.00	6,714.00	253.83	116.22	90.00	1,297.81	-10,772.22	2,929.12	2,560.39	368.74	7.944		
15,500.00	6,840.00	6,714.00	6,714.00	256.51	116.22	90.00	1,297.81	-10,772.22	2,910.68	2,538.57	372.11	7.822		
15,600.00	6,840.00	6,714.00	6,714.00	259.19	116.22	90.00	1,297.81	-10,772.22	2,895.57	2,520.34	375.23	7.717		
15,700.00	6,840.00	6,714.00	6,714.00	261.87	116.22	90.00	1,297.81	-10,772.22	2,883.85	2,505.76	378.09	7.628		
15,800.00	6,840.00	6,714.00	6,714.00	264.55	116.22	90.00	1,297.81	-10,772.22	2,875.56	2,494.91	380.66	7.554		
15,900.00	6,840.00	6,714.00	6,714.00	267.23	116.22	90.00	1,297.81	-10,772.22	2,870.74	2,487.81	382.93	7.497		
15,988.62	6,840.00	6,714.00	6,714.00	269.60	116.22	90.00	1,297.81	-10,772.22	2,869.37	2,484.69	384.68	7.459	CC	
16,000.00	6,840.00	6,714.00	6,714.00	269.91	116.22	90.00	1,297.81	-10,772.22	2,869.39	2,484.50	384.89	7.455	ES	
16,100.00	6,840.00	6,714.00	6,714.00	272.59	116.22	90.00	1,297.81	-10,772.22	2,871.53	2,485.00	386.53	7.429		
16,200.00	6,840.00	6,714.00	6,714.00	275.28	116.22	90.00	1,297.81	-10,772.22	2,877.14	2,489.30	387.85	7.418	SF	
16,300.00	6,840.00	6,714.00	6,714.00	277.96	116.22	90.00	1,297.81	-10,772.22	2,886.22	2,497.38	388.84	7.423		
16,400.00	6,840.00	6,714.00	6,714.00	280.64	116.22	90.00	1,297.81	-10,772.22	2,898.71	2,509.20	389.51	7.442		
16,500.00	6,840.00	6,714.00	6,714.00	283.33	116.22	90.00	1,297.81	-10,772.22	2,914.58	2,524.72	389.86	7.476		
16,600.00	6,840.00	6,714.00	6,714.00	286.02	116.22	90.00	1,297.81	-10,772.22	2,933.78	2,543.87	389.91	7.524		
16,700.00	6,840.00	6,714.00	6,714.00	288.70	116.22	90.00	1,297.81	-10,772.22	2,956.24	2,566.58	389.66	7.587		
16,800.00	6,840.00	6,714.00	6,714.00	291.39	116.22	90.00	1,297.81	-10,772.22	2,981.88	2,592.75	389.13	7.663		
16,900.00	6,840.00	6,714.00	6,714.00	294.08	116.22	90.00	1,297.81	-10,772.22	3,010.63	2,622.30	388.33	7.753		
17,000.00	6,840.00	6,714.00	6,714.00	296.77	116.22	90.00	1,297.81	-10,772.22	3,042.39	2,655.11	387.29	7.856		
17,100.00	6,840.00	6,714.00	6,714.00	299.46	116.22	90.00	1,297.81	-10,772.22	3,077.08	2,691.07	386.02	7.971		
17,200.00	6,840.00	6,714.00	6,714.00	302.14	116.22	90.00	1,297.81	-10,772.22	3,114.60	2,730.06	384.53	8.100		
17,300.00	6,840.00	6,714.00	6,714.00	304.84	116.22	90.00	1,297.81	-10,772.22	3,154.84	2,771.97	382.86	8.240		
17,400.00	6,840.00	6,714.00	6,714.00	307.53	116.22	90.00	1,297.81	-10,772.22	3,197.70	2,816.67	381.02	8.392		
17,500.00	6,840.00	6,714.00	6,714.00	310.22	116.22	90.00	1,297.81	-10,772.22	3,243.08	2,864.04	379.03	8.556		
17,600.00	6,840.00	6,714.00	6,714.00	312.91	116.22	90.00	1,297.81	-10,772.22	3,290.87	2,913.96	376.91	8.731		
17,700.00	6,840.00	6,714.00	6,714.00	315.60	116.22	90.00	1,297.81	-10,772.22	3,340.97	2,966.29	374.68	8.917		
17,800.00	6,840.00	6,714.00	6,714.00	318.29	116.22	90.00	1,297.81	-10,772.22	3,393.28	3,020.93	372.35	9.113		
17,900.00	6,840.00	6,714.00	6,714.00	320.99	116.22	90.00	1,297.81	-10,772.22	3,447.70	3,077.76	369.94	9.320		
18,000.00	6,840.00	6,714.00	6,714.00	323.68	116.22	90.00	1,297.81	-10,772.22	3,504.13	3,136.66	367.47	9.536		
18,100.00	6,840.00	6,714.00	6,714.00	326.38	116.22	90.00	1,297.81	-10,772.22	3,562.47	3,197.52	364.95	9.762		
18,200.00	6,840.00	6,714.00	6,714.00	329.07	116.22	90.00	1,297.81	-10,772.22	3,622.63	3,260.24	362.39	9.997		
18,300.00	6,840.00	6,714.00	6,714.00	331.77	116.22	90.00	1,297.81	-10,772.22	3,684.53	3,324.72	359.80	10.240		
18,400.00	6,840.00	6,714.00	6,714.00	334.46	116.22	90.00	1,297.81	-10,772.22	3,748.07	3,390.87	357.20	10.493		
18,500.00	6,840.00	6,714.00	6,714.00	337.16	116.22	90.00	1,297.81	-10,772.22	3,813.17	3,458.58	354.59	10.754		
18,600.00	6,840.00	6,714.00	6,714.00	339.85	116.22	90.00	1,297.81	-10,772.22	3,879.76	3,527.78	351.99	11.022		
18,700.00	6,840.00	6,714.00	6,714.00	342.55	116.22	90.00	1,297.81	-10,772.22	3,947.76	3,598.38	349.39	11.299		
18,800.00	6,840.00	6,714.00	6,714.00	345.25	116.22	90.00	1,297.81	-10,772.22	4,017.10	3,670.30	346.81	11.583		
18,900.00	6,840.00	6,714.00	6,714.00	347.94	116.22	90.00	1,297.81	-10,772.22	4,087.71	3,743.47	344.25	11.874		
19,000.00	6,840.00	6,714.00	6,714.00	350.64	116.22	90.00	1,297.81	-10,772.22	4,159.53	3,817.82	341.71	12.173		
19,100.00	6,840.00	6,714.00	6,714.00	353.34	116.22	90.00	1,297.81	-10,772.22	4,232.49	3,893.28	339.20	12.478		
19,200.00	6,840.00	6,714.00	6,714.00	356.04	116.22	90.00	1,297.81	-10,772.22	4,306.53	3,969.80	336.73	12.789		
19,300.00	6,840.00	6,714.00	6,714.00	358.74	116.22	90.00	1,297.81	-10,772.22	4,381.61	4,047.31	334.30	13.107		
19,400.00	6,840.00	6,714.00	6,714.00	361.44	116.22	90.00	1,297.81	-10,772.22	4,457.66	4,125.77	331.90	13.431		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT DUPPER 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	
19,500.00	6,840.00	6,714.00	6,714.00	364.13	116.22	90.00	1,297.81	-10,772.22	4,534.65	4,205.11	329.54	13.760	
19,600.00	6,840.00	6,714.00	6,714.00	366.83	116.22	90.00	1,297.81	-10,772.22	4,612.52	4,285.29	327.23	14.096	
19,700.00	6,840.00	6,714.00	6,714.00	369.53	116.22	90.00	1,297.81	-10,772.22	4,691.23	4,366.27	324.95	14.437	
19,800.00	6,840.00	6,714.00	6,714.00	372.23	116.22	90.00	1,297.81	-10,772.22	4,770.73	4,448.01	322.73	14.783	
19,900.00	6,840.00	6,714.00	6,714.00	374.94	116.22	90.00	1,297.81	-10,772.22	4,850.99	4,530.45	320.54	15.134	
20,000.00	6,840.00	6,714.00	6,714.00	377.64	116.22	90.00	1,297.81	-10,772.22	4,931.98	4,613.58	318.40	15.490	
20,100.00	6,840.00	6,714.00	6,714.00	380.34	116.22	90.00	1,297.81	-10,772.22	5,013.65	4,697.34	316.31	15.850	
20,200.00	6,840.00	6,714.00	6,714.00	383.04	116.22	90.00	1,297.81	-10,772.22	5,095.98	4,781.72	314.26	16.216	
20,300.00	6,840.00	6,714.00	6,714.00	385.74	116.22	90.00	1,297.81	-10,772.22	5,178.92	4,866.67	312.26	16.585	
20,400.00	6,840.00	6,714.00	6,714.00	388.44	116.22	90.00	1,297.81	-10,772.22	5,262.46	4,952.17	310.30	16.959	
20,500.00	6,840.00	6,714.00	6,714.00	391.14	116.22	90.00	1,297.81	-10,772.22	5,346.57	5,038.19	308.38	17.338	
20,552.28	6,840.00	6,714.00	6,714.00	392.56	116.22	90.00	1,297.81	-10,772.22	5,390.75	5,083.35	307.40	17.537	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT KNAUB 22-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	6,840.00	6,724.60	6,723.89	90.83	1.91	89.90	1,305.17	-13,385.75	9,924.40	9,864.02	60.38	164.363		
9,200.00	6,840.00	6,724.63	6,723.92	93.16	1.91	89.90	1,305.17	-13,385.75	9,828.69	9,767.52	61.18	160.655		
9,300.00	6,840.00	6,724.66	6,723.96	95.52	1.91	89.90	1,305.17	-13,385.75	9,733.08	9,671.08	62.00	156.989		
9,400.00	6,840.00	6,724.69	6,723.99	97.90	1.91	89.90	1,305.17	-13,385.75	9,637.55	9,574.71	62.84	153.368		
9,500.00	6,840.00	6,724.73	6,724.02	100.30	1.91	89.90	1,305.17	-13,385.75	9,542.11	9,478.41	63.70	149.791		
9,600.00	6,840.00	6,724.76	6,724.05	102.72	1.91	89.90	1,305.17	-13,385.75	9,446.77	9,382.18	64.59	146.260		
9,700.00	6,840.00	6,724.79	6,724.08	105.15	1.91	89.90	1,305.17	-13,385.75	9,351.53	9,286.03	65.50	142.774		
9,800.00	6,840.00	6,724.82	6,724.11	107.59	1.91	89.90	1,305.17	-13,385.75	9,256.38	9,189.95	66.43	139.335		
9,900.00	6,840.00	6,724.85	6,724.14	110.05	1.91	89.90	1,305.17	-13,385.75	9,161.34	9,093.95	67.39	135.943		
10,000.00	6,840.00	6,724.88	6,724.17	112.52	1.91	89.90	1,305.17	-13,385.75	9,066.41	8,998.03	68.37	132.599		
10,100.00	6,840.00	6,724.91	6,724.20	115.00	1.91	89.90	1,305.17	-13,385.75	8,971.59	8,902.20	69.38	129.303		
10,200.00	6,840.00	6,724.94	6,724.23	117.50	1.91	89.90	1,305.17	-13,385.75	8,876.88	8,806.46	70.42	126.055		
10,300.00	6,840.00	6,724.96	6,724.26	120.00	1.91	89.91	1,305.17	-13,385.75	8,782.28	8,710.80	71.48	122.857		
10,400.00	6,840.00	6,724.99	6,724.29	122.51	1.91	89.91	1,305.17	-13,385.75	8,687.81	8,615.24	72.58	119.707		
10,500.00	6,840.00	6,725.02	6,724.31	125.04	1.91	89.91	1,305.17	-13,385.75	8,593.46	8,519.77	73.70	116.607		
10,600.00	6,840.00	6,725.05	6,724.34	127.57	1.91	89.91	1,305.17	-13,385.75	8,499.25	8,424.40	74.85	113.557		
10,700.00	6,840.00	6,725.08	6,724.37	130.11	1.91	89.91	1,305.17	-13,385.75	8,405.16	8,329.14	76.03	110.557		
10,800.00	6,840.00	6,725.10	6,724.40	132.66	1.91	89.91	1,305.17	-13,385.75	8,311.22	8,233.98	77.24	107.606		
10,900.00	6,840.00	6,725.13	6,724.42	135.21	1.91	89.91	1,305.17	-13,385.75	8,217.41	8,138.93	78.48	104.706		
11,000.00	6,840.00	6,725.16	6,724.45	137.77	1.91	89.91	1,305.17	-13,385.75	8,123.76	8,044.00	79.76	101.856		
11,100.00	6,840.00	6,725.19	6,724.48	140.34	1.91	89.91	1,305.17	-13,385.75	8,030.26	7,949.19	81.07	99.056		
11,200.00	6,840.00	6,725.21	6,724.50	142.91	1.91	89.91	1,305.17	-13,385.75	7,936.91	7,854.50	82.41	96.306		
11,300.00	6,840.00	6,725.24	6,724.53	145.49	1.91	89.91	1,305.17	-13,385.75	7,843.73	7,759.94	83.79	93.607		
11,400.00	6,840.00	6,725.26	6,724.56	148.07	1.91	89.91	1,305.17	-13,385.75	7,750.73	7,665.51	85.21	90.957		
11,500.00	6,840.00	6,725.29	6,724.58	150.66	1.91	89.91	1,305.17	-13,385.75	7,657.89	7,571.22	86.67	88.357		
11,600.00	6,840.00	6,725.32	6,724.61	153.25	1.91	89.91	1,305.17	-13,385.75	7,565.24	7,477.08	88.17	85.808		
11,700.00	6,840.00	6,725.34	6,724.63	155.85	1.91	89.91	1,305.17	-13,385.75	7,472.78	7,383.08	89.70	83.307		
11,800.00	6,840.00	6,725.37	6,724.66	158.45	1.91	89.91	1,305.17	-13,385.75	7,380.52	7,289.24	91.28	80.857		
11,900.00	6,840.00	6,725.39	6,724.68	161.06	1.91	89.91	1,305.17	-13,385.75	7,288.46	7,195.56	92.90	78.455		
12,000.00	6,840.00	6,725.42	6,724.71	163.67	1.91	89.91	1,305.17	-13,385.75	7,196.61	7,102.04	94.56	76.103		
12,100.00	6,840.00	6,725.44	6,724.73	166.28	1.91	89.91	1,305.17	-13,385.75	7,104.98	7,008.70	96.27	73.799		
12,200.00	6,840.00	6,725.46	6,724.76	168.90	1.91	89.92	1,305.17	-13,385.75	7,013.58	6,915.55	98.03	71.543		
12,300.00	6,840.00	6,725.49	6,724.78	171.52	1.91	89.92	1,305.17	-13,385.75	6,922.42	6,822.58	99.84	69.336		
12,400.00	6,840.00	6,725.51	6,724.81	174.15	1.91	89.92	1,305.17	-13,385.75	6,831.50	6,729.81	101.69	67.177		
12,500.00	6,840.00	6,725.54	6,724.83	176.77	1.91	89.92	1,305.17	-13,385.75	6,740.85	6,637.24	103.60	65.065		
12,600.00	6,840.00	6,725.56	6,724.85	179.40	1.91	89.92	1,305.17	-13,385.75	6,650.46	6,544.89	105.56	63.000		
12,700.00	6,840.00	6,725.58	6,724.88	182.04	1.91	89.92	1,305.17	-13,385.75	6,560.35	6,452.77	107.58	60.982		
12,800.00	6,840.00	6,725.61	6,724.90	184.67	1.91	89.92	1,305.17	-13,385.75	6,470.53	6,360.88	109.65	59.010		
12,900.00	6,840.00	6,725.63	6,724.92	187.31	1.91	89.92	1,305.17	-13,385.75	6,381.01	6,269.23	111.78	57.085		
13,000.00	6,840.00	6,725.65	6,724.94	189.95	1.91	89.92	1,305.17	-13,385.75	6,291.81	6,177.83	113.97	55.205		
13,100.00	6,840.00	6,725.67	6,724.97	192.59	1.91	89.92	1,305.17	-13,385.75	6,202.94	6,086.71	116.23	53.369		
13,200.00	6,840.00	6,725.70	6,724.99	195.24	1.91	89.92	1,305.17	-13,385.75	6,114.41	5,995.86	118.54	51.579		
13,300.00	6,840.00	6,725.72	6,725.01	197.88	1.91	89.92	1,305.17	-13,385.75	6,026.24	5,905.31	120.93	49.833		
13,400.00	6,840.00	6,725.74	6,725.03	200.53	1.91	89.92	1,305.17	-13,385.75	5,938.44	5,815.06	123.38	48.131		
13,500.00	6,840.00	6,725.76	6,725.05	203.18	1.91	89.92	1,305.17	-13,385.75	5,851.04	5,725.14	125.90	46.472		
13,600.00	6,840.00	6,725.78	6,725.08	205.83	1.91	89.92	1,305.17	-13,385.75	5,764.05	5,635.55	128.50	44.856		
13,700.00	6,840.00	6,725.81	6,725.10	208.49	1.91	89.92	1,305.17	-13,385.75	5,677.48	5,546.31	131.17	43.283		
13,800.00	6,840.00	6,725.83	6,725.12	211.14	1.91	89.92	1,305.17	-13,385.75	5,591.37	5,457.45	133.92	41.751		
13,900.00	6,840.00	6,725.85	6,725.14	213.80	1.91	89.92	1,305.17	-13,385.75	5,505.72	5,368.97	136.75	40.261		
14,000.00	6,840.00	6,725.87	6,725.16	216.46	1.91	89.92	1,305.17	-13,385.75	5,420.57	5,280.90	139.66	38.812		
14,100.00	6,840.00	6,725.89	6,725.18	219.12	1.91	89.92	1,305.17	-13,385.75	5,335.93	5,193.27	142.66	37.404		
14,200.00	6,840.00	6,725.91	6,725.20	221.78	1.91	89.92	1,305.17	-13,385.75	5,251.83	5,106.09	145.74	36.036		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT KNAUB 22-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,840.00	6,725.93	6,725.22	224.45	1.91	89.92	1,305.17	-13,385.75	5,168.29	5,019.38	148.91	34.707		
14,400.00	6,840.00	6,725.95	6,725.24	227.11	1.91	89.92	1,305.17	-13,385.75	5,085.35	4,933.18	152.18	33.417		
14,500.00	6,840.00	6,725.97	6,725.26	229.78	1.91	89.93	1,305.17	-13,385.75	5,003.04	4,847.50	155.54	32.166		
14,600.00	6,840.00	6,725.99	6,725.28	232.45	1.91	89.93	1,305.17	-13,385.75	4,921.38	4,762.38	158.99	30.954		
14,700.00	6,840.00	6,726.01	6,725.30	235.12	1.91	89.93	1,305.17	-13,385.75	4,840.40	4,677.86	162.55	29.778		
14,800.00	6,840.00	6,726.03	6,725.32	237.79	1.91	89.93	1,305.17	-13,385.75	4,760.16	4,593.95	166.20	28.640		
14,900.00	6,840.00	6,726.05	6,725.34	240.46	1.91	89.93	1,305.17	-13,385.75	4,680.67	4,510.70	169.96	27.539		
15,000.00	6,840.00	6,726.07	6,725.36	243.13	1.91	89.93	1,305.17	-13,385.75	4,601.98	4,428.15	173.83	26.474		
15,100.00	6,840.00	6,726.09	6,725.38	245.80	1.91	89.93	1,305.17	-13,385.75	4,524.13	4,346.33	177.80	25.445		
15,200.00	6,840.00	6,726.11	6,725.40	248.48	1.91	89.93	1,305.17	-13,385.75	4,447.17	4,265.29	181.89	24.450		
15,300.00	6,840.00	6,726.13	6,725.42	251.15	1.91	89.93	1,305.17	-13,385.75	4,371.15	4,185.07	186.08	23.491		
15,400.00	6,840.00	6,726.14	6,725.44	253.83	1.91	89.93	1,305.17	-13,385.75	4,296.10	4,105.72	190.38	22.566		
15,500.00	6,840.00	6,726.16	6,725.46	256.51	1.91	89.93	1,305.17	-13,385.75	4,222.09	4,027.30	194.80	21.674		
15,600.00	6,840.00	6,726.18	6,725.47	259.19	1.91	89.93	1,305.17	-13,385.75	4,149.17	3,949.85	199.32	20.816		
15,700.00	6,840.00	6,726.20	6,725.49	261.87	1.91	89.93	1,305.17	-13,385.75	4,077.40	3,873.44	203.96	19.991		
15,800.00	6,840.00	6,726.22	6,725.51	264.55	1.91	89.93	1,305.17	-13,385.75	4,006.84	3,798.13	208.71	19.198		
15,900.00	6,840.00	6,726.24	6,725.53	267.23	1.91	89.93	1,305.17	-13,385.75	3,937.55	3,723.99	213.56	18.438		
16,000.00	6,840.00	6,726.25	6,725.55	269.91	1.91	89.93	1,305.17	-13,385.75	3,869.61	3,651.09	218.52	17.708		
16,100.00	6,840.00	6,726.27	6,725.56	272.59	1.91	89.93	1,305.17	-13,385.75	3,803.09	3,579.51	223.58	17.010		
16,200.00	6,840.00	6,726.29	6,725.58	275.28	1.91	89.93	1,305.17	-13,385.75	3,738.05	3,509.32	228.73	16.342		
16,300.00	6,840.00	6,726.31	6,725.60	277.96	1.91	89.93	1,305.17	-13,385.75	3,674.59	3,440.61	233.98	15.705		
16,400.00	6,840.00	6,726.32	6,725.62	280.64	1.91	89.93	1,305.17	-13,385.75	3,612.78	3,373.48	239.30	15.097		
16,500.00	6,840.00	6,726.34	6,725.63	283.33	1.91	89.93	1,305.17	-13,385.75	3,552.71	3,308.01	244.70	14.519		
16,600.00	6,840.00	6,726.36	6,725.65	286.02	1.91	89.93	1,305.17	-13,385.75	3,494.47	3,244.31	250.16	13.969		
16,700.00	6,840.00	6,726.38	6,725.67	288.70	1.91	89.93	1,305.17	-13,385.75	3,438.15	3,182.48	255.67	13.448		
16,800.00	6,840.00	6,726.39	6,725.69	291.39	1.91	89.93	1,305.17	-13,385.75	3,383.85	3,122.64	261.21	12.954		
16,900.00	6,840.00	6,726.41	6,725.70	294.08	1.91	89.93	1,305.17	-13,385.75	3,331.67	3,064.89	266.78	12.489		
17,000.00	6,840.00	6,726.43	6,725.72	296.77	1.91	89.93	1,305.17	-13,385.75	3,281.71	3,009.37	272.34	12.050		
17,100.00	6,840.00	6,726.44	6,725.74	299.46	1.91	89.93	1,305.17	-13,385.75	3,234.06	2,956.18	277.88	11.638		
17,200.00	6,840.00	6,726.46	6,725.75	302.14	1.91	89.94	1,305.17	-13,385.75	3,188.84	2,905.46	283.39	11.253		
17,300.00	6,840.00	6,726.48	6,725.77	304.84	1.91	89.94	1,305.17	-13,385.75	3,146.16	2,857.33	288.82	10.893		
17,400.00	6,840.00	6,726.49	6,725.78	307.53	1.91	89.94	1,305.17	-13,385.75	3,106.10	2,811.94	294.16	10.559		
17,500.00	6,840.00	6,726.51	6,725.80	310.22	1.91	89.94	1,305.17	-13,385.75	3,068.78	2,769.40	299.39	10.250		
17,600.00	6,840.00	6,726.52	6,725.82	312.91	1.91	89.94	1,305.17	-13,385.75	3,034.30	2,729.84	304.46	9.966		
17,700.00	6,840.00	6,726.54	6,725.83	315.60	1.91	89.94	1,305.17	-13,385.75	3,002.76	2,693.40	309.36	9.706		
17,800.00	6,840.00	6,726.56	6,725.85	318.29	1.91	89.94	1,305.17	-13,385.75	2,974.25	2,660.20	314.05	9.471		
17,900.00	6,840.00	6,726.57	6,725.86	320.99	1.91	89.94	1,305.17	-13,385.75	2,948.85	2,630.35	318.50	9.258		
18,000.00	6,840.00	6,726.59	6,725.88	323.68	1.91	89.94	1,305.17	-13,385.75	2,926.65	2,603.96	322.69	9.070		
18,100.00	6,840.00	6,726.60	6,725.90	326.38	1.91	89.94	1,305.17	-13,385.75	2,907.72	2,581.15	326.58	8.904		
18,200.00	6,840.00	6,726.62	6,725.91	329.07	1.91	89.94	1,305.17	-13,385.75	2,892.13	2,561.99	330.14	8.760		
18,300.00	6,840.00	6,726.63	6,725.93	331.77	1.91	89.94	1,305.17	-13,385.75	2,879.93	2,546.56	333.37	8.639		
18,400.00	6,840.00	6,726.65	6,725.94	334.46	1.91	89.94	1,305.17	-13,385.75	2,871.16	2,534.94	336.22	8.539		
18,500.00	6,840.00	6,726.66	6,725.96	337.16	1.91	89.94	1,305.17	-13,385.75	2,865.85	2,527.16	338.69	8.462		
18,600.00	6,840.00	6,726.68	6,725.97	339.85	1.91	89.94	1,305.17	-13,385.75	2,864.03	2,523.27	340.77	8.405		
18,602.16	6,840.00	6,726.68	6,725.97	339.91	1.91	89.94	1,305.17	-13,385.75	2,864.03	2,523.23	340.81	8.404 CC, ES		
18,700.00	6,840.00	6,726.69	6,725.99	342.55	1.91	89.94	1,305.17	-13,385.75	2,865.70	2,523.27	342.43	8.369		
18,800.00	6,840.00	6,726.71	6,726.00	345.25	1.91	89.94	1,305.17	-13,385.75	2,870.86	2,527.17	343.69	8.353 SF		
18,900.00	6,840.00	6,726.72	6,726.01	347.94	1.91	89.94	1,305.17	-13,385.75	2,879.48	2,534.95	344.53	8.358		
19,000.00	6,840.00	6,726.74	6,726.03	350.64	1.91	89.94	1,305.17	-13,385.75	2,891.53	2,546.57	344.97	8.382		
19,100.00	6,840.00	6,726.75	6,726.04	353.34	1.91	89.94	1,305.17	-13,385.75	2,906.98	2,561.98	345.00	8.426		
19,200.00	6,840.00	6,726.77	6,726.06	356.04	1.91	89.94	1,305.17	-13,385.75	2,925.77	2,581.11	344.66	8.489		
19,300.00	6,840.00	6,726.78	6,726.07	358.74	1.91	89.94	1,305.17	-13,385.75	2,947.83	2,603.89	343.94	8.571		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT KNAUB 22-27 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,400.00	6,840.00	6,726.79	6,726.09	361.44	1.91	89.94	1,305.17	-13,385.75	2,973.09	2,630.22	342.86	8.671	
19,500.00	6,840.00	6,726.81	6,726.10	364.13	1.91	89.94	1,305.17	-13,385.75	3,001.47	2,660.00	341.46	8.790	
19,600.00	6,840.00	6,726.82	6,726.11	366.83	1.91	89.94	1,305.17	-13,385.75	3,032.88	2,693.13	339.76	8.927	
19,700.00	6,840.00	6,726.84	6,726.13	369.53	1.91	89.94	1,305.17	-13,385.75	3,067.24	2,729.47	337.77	9.081	
19,800.00	6,840.00	6,726.85	6,726.14	372.23	1.91	89.94	1,305.17	-13,385.75	3,104.43	2,768.92	335.52	9.253	
19,900.00	6,840.00	6,726.86	6,726.16	374.94	1.91	89.94	1,305.17	-13,385.75	3,144.37	2,811.33	333.04	9.441	
20,000.00	6,840.00	6,726.88	6,726.17	377.64	1.91	89.94	1,305.17	-13,385.75	3,186.95	2,856.59	330.36	9.647	
20,100.00	6,840.00	6,726.89	6,726.18	380.34	1.91	89.94	1,305.17	-13,385.75	3,232.06	2,904.56	327.50	9.869	
20,200.00	6,840.00	6,726.90	6,726.20	383.04	1.91	89.94	1,305.17	-13,385.75	3,279.60	2,955.12	324.48	10.107	
20,300.00	6,840.00	6,726.92	6,726.21	385.74	1.91	89.94	1,305.17	-13,385.75	3,329.47	3,008.14	321.33	10.362	
20,400.00	6,840.00	6,726.93	6,726.22	388.44	1.91	89.94	1,305.17	-13,385.75	3,381.56	3,063.49	318.07	10.632	
20,500.00	6,840.00	6,726.94	6,726.24	391.14	1.91	89.94	1,305.17	-13,385.75	3,435.77	3,121.05	314.72	10.917	
20,552.28	6,840.00	6,726.95	6,726.24	392.56	1.91	89.94	1,305.17	-13,385.75	3,464.92	3,151.98	312.94	11.072	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,500.00	6,813.82	6,651.31	6,650.90	58.08	1.63	37.59	-156.15	-12,192.31	9,997.60	9,950.64	46.96	212.902		
7,600.00	6,835.01	6,661.70	6,661.29	59.82	1.63	53.35	-156.11	-12,192.35	9,902.05	9,854.61	47.44	208.733		
7,700.00	6,840.00	6,664.33	6,663.92	61.57	1.63	88.00	-156.10	-12,192.36	9,803.53	9,755.74	47.79	205.154		
7,800.00	6,840.00	6,664.55	6,664.13	63.35	1.63	88.01	-156.10	-12,192.36	9,704.58	9,656.48	48.10	201.775		
7,900.00	6,840.00	6,664.77	6,664.36	65.20	1.63	88.02	-156.10	-12,192.36	9,605.65	9,557.24	48.41	198.404		
8,000.00	6,840.00	6,664.99	6,664.58	67.10	1.63	88.03	-156.10	-12,192.36	9,506.74	9,458.00	48.74	195.040		
8,100.00	6,840.00	6,665.22	6,664.80	69.05	1.63	88.04	-156.10	-12,192.36	9,407.86	9,358.78	49.08	191.686		
8,200.00	6,840.00	6,665.44	6,665.03	71.06	1.63	88.05	-156.10	-12,192.37	9,309.00	9,259.57	49.43	188.340		
8,300.00	6,840.00	6,665.67	6,665.26	73.11	1.63	88.06	-156.09	-12,192.37	9,210.17	9,160.38	49.78	185.005		
8,400.00	6,840.00	6,665.91	6,665.50	75.21	1.63	88.07	-156.09	-12,192.37	9,111.36	9,061.21	50.15	181.679		
8,500.00	6,840.00	6,666.14	6,665.73	77.34	1.63	88.08	-156.09	-12,192.37	9,012.57	8,962.05	50.53	178.365		
8,600.00	6,840.00	6,666.38	6,665.97	79.51	1.63	88.09	-156.09	-12,192.37	8,913.82	8,862.90	50.92	175.063		
8,700.00	6,840.00	6,666.62	6,666.21	81.72	1.63	88.10	-156.09	-12,192.37	8,815.09	8,763.77	51.32	171.773		
8,800.00	6,840.00	6,666.87	6,666.46	83.95	1.63	88.11	-156.09	-12,192.37	8,716.39	8,664.66	51.73	168.497		
8,900.00	6,840.00	6,667.11	6,666.70	86.22	1.63	88.12	-156.09	-12,192.37	8,617.72	8,565.57	52.15	165.234		
9,000.00	6,840.00	6,667.36	6,666.95	88.51	1.63	88.13	-156.09	-12,192.37	8,519.08	8,466.49	52.59	161.985		
9,100.00	6,840.00	6,667.61	6,667.20	90.83	1.63	88.14	-156.09	-12,192.38	8,420.48	8,367.44	53.04	158.751		
9,200.00	6,840.00	6,667.87	6,667.46	93.16	1.63	88.15	-156.09	-12,192.38	8,321.91	8,268.40	53.51	155.533		
9,300.00	6,840.00	6,668.13	6,667.72	95.52	1.63	88.16	-156.08	-12,192.38	8,223.37	8,169.38	53.98	152.332		
9,400.00	6,840.00	6,668.39	6,667.98	97.90	1.63	88.17	-156.08	-12,192.38	8,124.86	8,070.39	54.48	149.147		
9,500.00	6,840.00	6,668.65	6,668.24	100.30	1.63	88.18	-156.08	-12,192.38	8,026.40	7,971.42	54.98	145.980		
9,600.00	6,840.00	6,668.92	6,668.51	102.72	1.63	88.19	-156.08	-12,192.38	7,927.97	7,872.47	55.51	142.832		
9,700.00	6,840.00	6,669.19	6,668.78	105.15	1.63	88.20	-156.08	-12,192.38	7,829.59	7,773.54	56.04	139.702		
9,800.00	6,840.00	6,669.46	6,669.05	107.59	1.63	88.21	-156.08	-12,192.38	7,731.24	7,674.64	56.60	136.593		
9,900.00	6,840.00	6,669.74	6,669.33	110.05	1.63	88.22	-156.08	-12,192.39	7,632.94	7,575.76	57.17	133.504		
10,000.00	6,840.00	6,670.02	6,669.61	112.52	1.63	88.24	-156.08	-12,192.39	7,534.68	7,476.91	57.77	130.436		
10,100.00	6,840.00	6,670.31	6,669.89	115.00	1.63	88.25	-156.08	-12,192.39	7,436.47	7,378.09	58.38	127.390		
10,200.00	6,840.00	6,670.59	6,670.18	117.50	1.63	88.26	-156.07	-12,192.39	7,338.30	7,279.30	59.01	124.367		
10,300.00	6,840.00	6,670.88	6,670.47	120.00	1.63	88.27	-156.07	-12,192.39	7,240.19	7,180.53	59.66	121.366		
10,400.00	6,840.00	6,671.18	6,670.77	122.51	1.63	88.28	-156.07	-12,192.39	7,142.13	7,081.80	60.33	118.390		
10,500.00	6,840.00	6,671.48	6,671.06	125.04	1.63	88.29	-156.07	-12,192.40	7,044.12	6,983.10	61.02	115.439		
10,600.00	6,840.00	6,671.78	6,671.37	127.57	1.63	88.31	-156.07	-12,192.40	6,946.17	6,884.44	61.74	112.513		
10,700.00	6,840.00	6,672.08	6,671.67	130.11	1.63	88.32	-156.07	-12,192.40	6,848.28	6,785.81	62.48	109.613		
10,800.00	6,840.00	6,672.39	6,671.98	132.66	1.63	88.33	-156.07	-12,192.40	6,750.45	6,687.21	63.24	106.739		
10,900.00	6,840.00	6,672.71	6,672.30	135.21	1.63	88.34	-156.07	-12,192.40	6,652.69	6,588.66	64.03	103.894		
11,000.00	6,840.00	6,673.02	6,672.61	137.77	1.63	88.36	-156.06	-12,192.40	6,554.99	6,490.14	64.85	101.076		
11,100.00	6,840.00	6,673.35	6,672.93	140.34	1.63	88.37	-156.06	-12,192.41	6,457.37	6,391.67	65.70	98.287		
11,200.00	6,840.00	6,673.67	6,673.26	142.91	1.63	88.38	-156.06	-12,192.41	6,359.82	6,293.24	66.58	95.528		
11,300.00	6,840.00	6,674.00	6,673.59	145.49	1.63	88.40	-156.06	-12,192.41	6,262.34	6,194.86	67.48	92.799		
11,400.00	6,840.00	6,674.34	6,673.93	148.07	1.63	88.41	-156.06	-12,192.41	6,164.95	6,096.52	68.42	90.102		
11,500.00	6,840.00	6,674.68	6,674.26	150.66	1.63	88.42	-156.06	-12,192.41	6,067.64	5,998.24	69.40	87.435		
11,600.00	6,840.00	6,675.02	6,674.61	153.25	1.63	88.44	-156.06	-12,192.41	5,970.42	5,900.01	70.40	84.801		
11,700.00	6,840.00	6,675.37	6,674.96	155.85	1.63	88.45	-156.05	-12,192.42	5,873.29	5,801.84	71.45	82.200		
11,800.00	6,840.00	6,675.72	6,675.31	158.45	1.63	88.47	-156.05	-12,192.42	5,776.26	5,703.72	72.54	79.633		
11,900.00	6,840.00	6,676.08	6,675.67	161.06	1.63	88.48	-156.05	-12,192.42	5,679.33	5,605.67	73.66	77.100		
12,000.00	6,840.00	6,676.44	6,676.03	163.67	1.63	88.50	-156.05	-12,192.42	5,582.51	5,507.68	74.83	74.602		
12,100.00	6,840.00	6,676.81	6,676.40	166.28	1.63	88.51	-156.05	-12,192.42	5,485.81	5,409.77	76.04	72.139		
12,200.00	6,840.00	6,677.18	6,676.77	168.90	1.63	88.53	-156.05	-12,192.43	5,389.23	5,311.92	77.31	69.713		
12,300.00	6,840.00	6,677.56	6,677.15	171.52	1.63	88.54	-156.05	-12,192.43	5,292.77	5,214.15	78.62	67.324		
12,400.00	6,840.00	6,677.94	6,677.53	174.15	1.63	88.56	-156.04	-12,192.43	5,196.45	5,116.47	79.98	64.972		
12,500.00	6,840.00	6,678.33	6,677.92	176.77	1.63	88.57	-156.04	-12,192.43	5,100.27	5,018.87	81.40	62.658		
12,600.00	6,840.00	6,678.73	6,678.32	179.40	1.63	88.59	-156.04	-12,192.44	5,004.23	4,921.36	82.87	60.383		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT LIBSACK R G 27-10 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,700.00	6,840.00	6,679.13	6,678.72	182.04	1.63	88.61	-156.04	-12,192.44	4,908.36	4,823.95	84.41	58.148		
12,800.00	6,840.00	6,679.53	6,679.12	184.67	1.63	88.62	-156.04	-12,192.44	4,812.66	4,726.64	86.01	55.952		
12,900.00	6,840.00	6,679.95	6,679.53	187.31	1.63	88.64	-156.04	-12,192.44	4,717.13	4,629.44	87.68	53.797		
13,000.00	6,840.00	6,680.36	6,679.95	189.95	1.63	88.66	-156.03	-12,192.45	4,621.79	4,532.36	89.43	51.682		
13,100.00	6,840.00	6,680.79	6,680.38	192.59	1.63	88.67	-156.03	-12,192.45	4,526.65	4,435.41	91.25	49.610		
13,200.00	6,840.00	6,681.22	6,680.81	195.24	1.63	88.69	-156.03	-12,192.45	4,431.73	4,338.59	93.14	47.579		
13,300.00	6,840.00	6,681.66	6,681.25	197.88	1.63	88.71	-156.03	-12,192.45	4,337.04	4,241.91	95.13	45.591		
13,400.00	6,840.00	6,682.10	6,681.69	200.53	1.63	88.73	-156.03	-12,192.46	4,242.59	4,145.38	97.20	43.646		
13,500.00	6,840.00	6,682.55	6,682.14	203.18	1.63	88.74	-156.03	-12,192.46	4,148.39	4,049.02	99.38	41.745		
13,600.00	6,840.00	6,683.01	6,682.60	205.83	1.63	88.76	-156.02	-12,192.46	4,054.48	3,952.83	101.65	39.888		
13,700.00	6,840.00	6,683.47	6,683.06	208.49	1.63	88.78	-156.02	-12,192.47	3,960.87	3,856.84	104.03	38.075		
13,800.00	6,840.00	6,683.95	6,683.54	211.14	1.63	88.80	-156.02	-12,192.47	3,867.57	3,761.05	106.52	36.307		
13,900.00	6,840.00	6,684.43	6,684.02	213.80	1.63	88.82	-156.02	-12,192.47	3,774.62	3,665.48	109.14	34.585		
14,000.00	6,840.00	6,684.91	6,684.50	216.46	1.63	88.84	-156.02	-12,192.48	3,682.04	3,570.15	111.89	32.908		
14,100.00	6,840.00	6,685.41	6,685.00	219.12	1.63	88.86	-156.01	-12,192.48	3,589.85	3,475.08	114.78	31.277		
14,200.00	6,840.00	6,685.91	6,685.50	221.78	1.63	88.88	-156.01	-12,192.48	3,498.09	3,380.29	117.81	29.693		
14,300.00	6,840.00	6,686.42	6,686.01	224.45	1.63	88.90	-156.01	-12,192.49	3,406.80	3,285.80	121.00	28.156		
14,400.00	6,840.00	6,686.94	6,686.53	227.11	1.63	88.92	-156.01	-12,192.49	3,316.01	3,191.66	124.35	26.666		
14,500.00	6,840.00	6,687.47	6,687.06	229.78	1.63	88.95	-156.01	-12,192.49	3,225.77	3,097.88	127.89	25.223		
14,600.00	6,840.00	6,688.01	6,687.60	232.45	1.63	88.97	-156.00	-12,192.50	3,136.11	3,004.50	131.61	23.828		
14,700.00	6,840.00	6,688.56	6,688.15	235.12	1.63	88.99	-156.00	-12,192.50	3,047.10	2,911.57	135.54	22.482		
14,800.00	6,840.00	6,689.11	6,688.70	237.79	1.63	89.01	-156.00	-12,192.50	2,958.80	2,819.12	139.68	21.183		
14,900.00	6,840.00	6,689.68	6,689.27	240.46	1.63	89.03	-156.00	-12,192.51	2,871.26	2,727.21	144.05	19.933		
15,000.00	6,840.00	6,690.26	6,689.84	243.13	1.63	89.06	-155.99	-12,192.51	2,784.56	2,635.90	148.66	18.731		
15,100.00	6,840.00	6,690.84	6,690.43	245.80	1.63	89.08	-155.99	-12,192.52	2,698.77	2,545.25	153.53	17.578		
15,200.00	6,840.00	6,691.44	6,691.03	248.48	1.63	89.11	-155.99	-12,192.52	2,614.00	2,455.34	158.67	16.475		
15,300.00	6,840.00	6,692.04	6,691.63	251.15	1.63	89.13	-155.99	-12,192.53	2,530.34	2,366.25	164.10	15.420		
15,400.00	6,840.00	6,692.66	6,692.25	253.83	1.63	89.16	-155.98	-12,192.53	2,447.91	2,278.09	169.82	14.414		
15,500.00	6,840.00	6,693.29	6,692.88	256.51	1.63	89.18	-155.98	-12,192.54	2,366.83	2,190.97	175.87	13.458		
15,600.00	6,840.00	6,693.93	6,693.52	259.19	1.63	89.21	-155.98	-12,192.54	2,287.25	2,105.02	182.23	12.551		
15,700.00	6,840.00	6,694.58	6,694.17	261.87	1.63	89.23	-155.98	-12,192.54	2,209.33	2,020.40	188.94	11.694		
15,800.00	6,840.00	6,695.25	6,694.84	264.55	1.63	89.26	-155.97	-12,192.55	2,133.26	1,937.28	195.98	10.885		
15,900.00	6,840.00	6,695.92	6,695.51	267.23	1.63	89.29	-155.97	-12,192.56	2,059.22	1,855.87	203.35	10.126		
16,000.00	6,840.00	6,696.61	6,696.20	269.91	1.63	89.32	-155.97	-12,192.56	1,987.47	1,776.41	211.06	9.417		
16,100.00	6,840.00	6,697.32	6,696.90	272.59	1.63	89.35	-155.97	-12,192.57	1,918.24	1,699.17	219.07	8.756		
16,200.00	6,840.00	6,698.03	6,697.62	275.28	1.63	89.37	-155.96	-12,192.57	1,851.83	1,624.47	227.36	8.145		
16,300.00	6,840.00	6,698.76	6,698.35	277.96	1.63	89.40	-155.96	-12,192.58	1,788.55	1,552.67	235.88	7.583		
16,400.00	6,840.00	6,699.51	6,699.10	280.64	1.63	89.43	-155.96	-12,192.58	1,728.73	1,484.18	244.55	7.069		
16,500.00	6,840.00	6,700.35	6,699.93	283.33	1.63	89.47	-155.95	-12,192.59	1,672.76	1,419.47	253.29	6.604		
16,600.00	6,840.00	6,701.32	6,700.91	286.02	1.63	89.51	-155.95	-12,192.60	1,621.03	1,359.06	261.97	6.188		
16,700.00	6,840.00	6,702.28	6,701.86	288.70	1.63	89.55	-155.95	-12,192.61	1,573.96	1,303.52	270.45	5.820		
16,800.00	6,840.00	6,703.22	6,702.81	291.39	1.63	89.59	-155.94	-12,192.62	1,531.98	1,253.43	278.55	5.500		
16,900.00	6,840.00	6,704.15	6,703.74	294.08	1.63	89.62	-155.94	-12,192.62	1,495.52	1,209.44	286.08	5.228		
17,000.00	6,840.00	6,705.06	6,704.65	296.77	1.63	89.66	-155.94	-12,192.63	1,464.99	1,172.16	292.83	5.003		
17,100.00	6,840.00	6,705.97	6,705.55	299.46	1.63	89.70	-155.93	-12,192.64	1,440.76	1,142.18	298.59	4.825		
17,200.00	6,840.00	6,706.86	6,706.44	302.14	1.63	89.73	-155.93	-12,192.64	1,423.17	1,120.02	303.15	4.695		
17,300.00	6,840.00	6,707.73	6,707.32	304.84	1.63	89.77	-155.93	-12,192.65	1,412.45	1,106.08	306.37	4.610		
17,400.00	6,840.00	6,708.60	6,708.19	307.53	1.63	89.80	-155.92	-12,192.66	1,408.77	1,100.64	308.12	4.572		
17,401.98	6,840.00	6,708.62	6,708.20	307.58	1.63	89.80	-155.92	-12,192.66	1,408.76	1,100.62	308.14	4.572 CC, ES, SF		
17,500.00	6,840.00	6,709.45	6,709.04	310.22	1.63	89.84	-155.92	-12,192.66	1,412.17	1,103.80	308.37	4.580		
17,600.00	6,840.00	6,710.29	6,709.88	312.91	1.63	89.87	-155.92	-12,192.67	1,422.61	1,115.50	307.11	4.632		
17,700.00	6,840.00	6,711.12	6,710.71	315.60	1.63	89.91	-155.91	-12,192.68	1,439.94	1,135.49	304.45	4.730		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT LIBSACK R G 27-10 GYRO - OWB - GYRO													Offset Site Error: 0.00 usft	
Survey Program: 100-GYD_CT													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,800.00	6,840.00	6,711.94	6,711.53	318.29	1.63	89.94	-155.91	-12,192.68	1,463.91	1,163.39	300.51	4.871		
17,900.00	6,840.00	6,712.77	6,712.35	320.99	1.63	89.97	-155.90	-12,192.70	1,494.20	1,198.71	295.48	5.057		
18,000.00	6,840.00	6,713.82	6,713.40	323.68	1.63	90.02	-155.90	-12,192.71	1,530.43	1,240.88	289.55	5.286		
18,100.00	6,840.00	6,714.89	6,714.48	326.38	1.63	90.06	-155.90	-12,192.72	1,572.20	1,289.27	282.92	5.557		
18,200.00	6,840.00	6,715.99	6,715.58	329.07	1.63	90.10	-155.89	-12,192.74	1,619.07	1,343.28	275.79	5.871		
18,300.00	6,840.00	6,715.87	6,715.45	331.77	1.63	90.10	-155.90	-12,192.71	1,670.63	1,402.30	268.33	6.226		
18,400.00	6,840.00	6,716.62	6,716.21	334.46	1.63	90.13	-155.90	-12,192.72	1,726.44	1,465.74	260.70	6.622		
18,500.00	6,840.00	6,717.36	6,716.95	337.16	1.63	90.16	-155.90	-12,192.72	1,786.11	1,533.08	253.02	7.059		
18,600.00	6,840.00	6,718.10	6,717.69	339.85	1.63	90.19	-155.89	-12,192.73	1,849.26	1,603.86	245.40	7.536		
18,700.00	6,840.00	6,718.82	6,718.41	342.55	1.63	90.22	-155.89	-12,192.73	1,915.56	1,677.64	237.92	8.051		
18,800.00	6,840.00	6,719.54	6,719.13	345.25	1.63	90.25	-155.89	-12,192.74	1,984.68	1,754.05	230.63	8.606		
18,900.00	6,840.00	6,720.25	6,719.83	347.94	1.63	90.28	-155.89	-12,192.74	2,056.34	1,832.77	223.57	9.198		
19,000.00	6,840.00	6,720.94	6,720.53	350.64	1.63	90.31	-155.89	-12,192.75	2,130.29	1,913.52	216.77	9.827		
19,100.00	6,840.00	6,721.63	6,721.22	353.34	1.63	90.33	-155.88	-12,192.75	2,206.29	1,996.04	210.25	10.494		
19,200.00	6,840.00	6,722.31	6,721.90	356.04	1.63	90.36	-155.88	-12,192.76	2,284.14	2,080.12	204.02	11.196		
19,300.00	6,840.00	6,722.99	6,722.57	358.74	1.63	90.39	-155.88	-12,192.76	2,363.66	2,165.58	198.08	11.933		
19,400.00	6,840.00	6,723.65	6,723.24	361.44	1.63	90.42	-155.88	-12,192.77	2,444.68	2,252.26	192.41	12.705		
19,500.00	6,840.00	6,724.30	6,723.89	364.13	1.63	90.44	-155.88	-12,192.77	2,527.06	2,340.03	187.03	13.511		
19,600.00	6,840.00	6,724.95	6,724.54	366.83	1.63	90.47	-155.88	-12,192.78	2,610.67	2,428.75	181.92	14.351		
19,700.00	6,840.00	6,725.59	6,725.18	369.53	1.63	90.50	-155.87	-12,192.78	2,695.40	2,518.34	177.06	15.223		
19,800.00	6,840.00	6,726.22	6,725.81	372.23	1.63	90.52	-155.87	-12,192.79	2,781.15	2,608.69	172.46	16.127		
19,900.00	6,840.00	6,726.85	6,726.43	374.94	1.63	90.55	-155.87	-12,192.79	2,867.81	2,699.73	168.08	17.062		
20,000.00	6,840.00	6,727.46	6,727.05	377.64	1.63	90.57	-155.87	-12,192.79	2,955.32	2,791.39	163.93	18.028		
20,100.00	6,840.00	6,728.07	6,727.66	380.34	1.63	90.60	-155.87	-12,192.80	3,043.60	2,883.61	159.99	19.023		
20,200.00	6,840.00	6,728.68	6,728.26	383.04	1.63	90.62	-155.87	-12,192.80	3,132.58	2,976.33	156.25	20.048		
20,300.00	6,840.00	6,729.27	6,728.86	385.74	1.63	90.64	-155.87	-12,192.81	3,222.21	3,069.51	152.70	21.102		
20,400.00	6,840.00	6,729.86	6,729.45	388.44	1.63	90.67	-155.86	-12,192.81	3,312.44	3,163.11	149.32	22.183		
20,500.00	6,840.00	6,730.44	6,730.03	391.14	1.63	90.69	-155.86	-12,192.81	3,403.20	3,257.09	146.12	23.291		
20,552.28	6,840.00	6,730.74	6,730.33	392.56	1.63	90.70	-155.86	-12,192.81	3,450.86	3,306.36	144.50	23.881		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT LIBSACK R G 27-15 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,500.00	6,813.82	7,009.68	7,008.84	58.08	2.01	23.41	-1,270.35	-12,199.28	9,909.75	9,865.99	43.76	226.468		
7,600.00	6,835.01	7,600.00	6,986.73	59.82	2.07	32.98	-1,270.32	-12,199.94	9,811.93	9,767.83	44.09	222.525		
7,700.00	6,840.00	7,700.00	6,988.89	61.57	2.08	133.04	-1,270.32	-12,199.88	9,712.14	9,667.93	44.21	219.679		
7,800.00	6,840.00	7,800.00	6,986.06	63.35	2.10	132.75	-1,270.32	-12,199.96	9,612.23	9,567.95	44.29	217.050		
7,900.00	6,840.00	7,900.00	6,983.23	65.20	2.11	132.45	-1,270.32	-12,200.04	9,512.32	9,467.96	44.36	214.424		
8,000.00	6,840.00	8,000.00	6,980.40	67.10	2.13	132.15	-1,270.32	-12,200.12	9,412.41	9,367.97	44.44	211.799		
8,100.00	6,840.00	8,100.00	6,977.58	69.05	2.15	131.84	-1,270.31	-12,200.20	9,312.50	9,267.98	44.52	209.176		
8,200.00	6,840.00	7,019.53	7,018.69	71.06	2.01	135.99	-1,270.37	-12,198.96	9,212.61	9,168.16	44.45	207.237		
8,300.00	6,840.00	7,010.72	7,009.88	73.11	2.01	135.15	-1,270.35	-12,199.25	9,112.72	9,068.18	44.53	204.622		
8,400.00	6,840.00	7,002.22	7,001.38	75.21	2.01	134.32	-1,270.33	-12,199.52	9,012.82	8,968.21	44.62	202.007		
8,500.00	6,840.00	6,994.01	6,993.18	77.34	2.00	133.49	-1,270.32	-12,199.78	8,912.93	8,868.22	44.70	199.390		
8,600.00	6,840.00	6,986.09	6,985.26	79.51	2.00	132.66	-1,270.30	-12,200.02	8,813.03	8,768.24	44.79	196.774		
8,700.00	6,840.00	6,978.44	6,977.61	81.72	2.00	131.85	-1,270.29	-12,200.26	8,713.13	8,668.26	44.88	194.156		
8,800.00	6,840.00	6,971.04	6,970.21	83.95	2.00	131.04	-1,270.28	-12,200.48	8,613.23	8,568.27	44.97	191.539		
8,900.00	6,840.00	6,963.88	6,963.06	86.22	2.00	130.23	-1,270.27	-12,200.69	8,513.34	8,468.27	45.06	188.922		
9,000.00	6,840.00	6,956.95	6,956.13	88.51	2.00	129.44	-1,270.27	-12,200.89	8,413.44	8,368.28	45.16	186.305		
9,100.00	6,840.00	6,950.24	6,949.42	90.83	2.00	128.65	-1,270.26	-12,201.08	8,313.54	8,268.28	45.26	183.688		
9,200.00	6,840.00	6,943.74	6,942.93	93.16	2.00	127.87	-1,270.26	-12,201.27	8,213.65	8,168.28	45.36	181.072		
9,300.00	6,840.00	6,937.44	6,936.63	95.52	2.00	127.10	-1,270.26	-12,201.44	8,113.75	8,068.28	45.47	178.457		
9,400.00	6,840.00	9,400.00	6,877.15	97.90	2.45	119.00	-1,270.27	-12,202.87	8,013.85	7,968.04	45.81	174.923		
9,500.00	6,840.00	9,500.00	6,875.11	100.30	2.49	118.69	-1,270.27	-12,202.91	7,913.94	7,868.02	45.92	172.327		
9,600.00	6,840.00	9,600.00	6,873.07	102.72	2.52	118.39	-1,270.27	-12,202.95	7,814.03	7,767.99	46.04	169.733		
9,700.00	6,840.00	9,700.00	6,871.03	105.15	2.56	118.08	-1,270.28	-12,202.99	7,714.12	7,667.97	46.15	167.143		
9,800.00	6,840.00	6,913.10	6,912.29	107.59	2.00	123.96	-1,270.25	-12,202.09	7,614.27	7,568.24	46.03	165.420		
9,900.00	6,840.00	6,905.01	6,904.21	110.05	2.00	122.87	-1,270.26	-12,202.29	7,514.38	7,468.22	46.16	162.799		
10,000.00	6,840.00	6,897.36	6,896.56	112.52	2.00	121.81	-1,270.26	-12,202.49	7,414.49	7,368.20	46.29	160.180		
10,100.00	6,840.00	6,890.12	6,889.32	115.00	1.99	120.78	-1,270.27	-12,202.66	7,314.60	7,268.18	46.42	157.565		
10,200.00	6,840.00	6,883.25	6,882.46	117.50	1.99	119.78	-1,270.27	-12,202.82	7,214.71	7,168.15	46.56	154.953		
10,300.00	6,840.00	6,876.72	6,875.93	120.00	1.99	118.82	-1,270.28	-12,202.98	7,114.82	7,068.12	46.70	152.343		
10,400.00	6,840.00	6,870.52	6,869.73	122.51	1.99	117.88	-1,270.28	-12,203.12	7,014.93	6,968.09	46.85	149.738		
10,500.00	6,840.00	6,864.62	6,863.83	125.04	1.99	116.98	-1,270.28	-12,203.24	6,915.05	6,868.05	47.00	147.136		
10,600.00	6,840.00	6,858.99	6,858.20	127.57	1.99	116.10	-1,270.29	-12,203.37	6,815.16	6,768.01	47.15	144.537		
10,700.00	6,840.00	6,853.62	6,852.83	130.11	1.99	115.25	-1,270.29	-12,203.48	6,715.28	6,667.97	47.31	141.942		
10,800.00	6,840.00	6,848.49	6,847.70	132.66	1.99	114.43	-1,270.29	-12,203.58	6,615.40	6,567.92	47.47	139.351		
10,900.00	6,840.00	6,843.58	6,842.80	135.21	1.99	113.63	-1,270.29	-12,203.68	6,515.52	6,467.88	47.64	136.763		
11,000.00	6,840.00	6,838.89	6,838.10	137.77	1.99	112.86	-1,270.29	-12,203.77	6,415.64	6,367.83	47.81	134.180		
11,100.00	6,840.00	6,834.39	6,833.61	140.34	1.99	112.11	-1,270.30	-12,203.86	6,315.77	6,267.77	47.99	131.601		
11,200.00	6,840.00	6,830.07	6,829.29	142.91	1.99	111.39	-1,270.30	-12,203.94	6,215.89	6,167.72	48.18	129.026		
11,300.00	6,840.00	6,825.93	6,825.15	145.49	1.99	110.69	-1,270.30	-12,204.02	6,116.03	6,067.66	48.37	126.456		
11,400.00	6,840.00	6,821.95	6,821.18	148.07	1.99	110.01	-1,270.30	-12,204.09	6,016.16	5,967.60	48.56	123.890		
11,500.00	6,840.00	6,818.13	6,817.35	150.66	1.99	109.35	-1,270.30	-12,204.16	5,916.30	5,867.53	48.76	121.328		
11,600.00	6,840.00	6,814.45	6,813.67	153.25	1.99	108.71	-1,270.31	-12,204.22	5,816.44	5,767.47	48.97	118.772		
11,700.00	6,840.00	6,810.91	6,810.13	155.85	1.99	108.09	-1,270.31	-12,204.28	5,716.58	5,667.39	49.19	116.220		
11,800.00	6,840.00	6,807.50	6,806.72	158.45	1.99	107.49	-1,270.31	-12,204.34	5,616.73	5,567.32	49.41	113.674		
11,900.00	6,840.00	6,804.21	6,803.43	161.06	1.99	106.90	-1,270.31	-12,204.39	5,516.88	5,467.24	49.64	111.133		
12,000.00	6,840.00	6,801.04	6,800.26	163.67	1.99	106.33	-1,270.31	-12,204.44	5,417.04	5,367.16	49.88	108.597		
12,100.00	6,840.00	6,798.41	6,797.64	166.28	1.99	105.86	-1,270.31	-12,204.48	5,317.21	5,267.08	50.13	106.070		
12,200.00	6,840.00	6,796.06	6,795.29	168.90	1.99	105.44	-1,270.31	-12,204.52	5,217.37	5,166.99	50.39	103.549		
12,300.00	6,840.00	6,793.76	6,792.99	171.52	1.99	105.02	-1,270.31	-12,204.56	5,117.55	5,066.90	50.65	101.034		
12,400.00	6,840.00	6,791.50	6,790.72	174.15	1.98	104.61	-1,270.31	-12,204.59	5,017.73	4,966.80	50.93	98.525		
12,500.00	6,840.00	6,789.28	6,788.50	176.77	1.98	104.21	-1,270.31	-12,204.63	4,917.92	4,866.70	51.22	96.022		
12,600.00	6,840.00	6,787.10	6,786.32	179.40	1.98	103.81	-1,270.31	-12,204.66	4,818.11	4,766.59	51.52	93.525		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT LIBSACK R G 27-15 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,700.00	6,840.00	6,784.95	6,784.18	182.04	1.98	103.41	-1,270.32	-12,204.69	4,718.31	4,666.48	51.83	91.035		
12,800.00	6,840.00	6,782.85	6,782.08	184.67	1.98	103.02	-1,270.32	-12,204.72	4,618.52	4,566.37	52.16	88.551		
12,900.00	6,840.00	6,780.78	6,780.01	187.31	1.98	102.64	-1,270.32	-12,204.75	4,518.74	4,466.24	52.50	86.075		
13,000.00	6,840.00	6,778.75	6,777.98	189.95	1.98	102.26	-1,270.32	-12,204.78	4,418.97	4,366.11	52.85	83.606		
13,100.00	6,840.00	6,776.75	6,775.98	192.59	1.98	101.89	-1,270.32	-12,204.81	4,319.21	4,265.98	53.23	81.145		
13,200.00	6,840.00	6,774.79	6,774.02	195.24	1.98	101.53	-1,270.32	-12,204.84	4,219.45	4,165.83	53.62	78.692		
13,300.00	6,840.00	6,772.86	6,772.09	197.88	1.98	101.17	-1,270.32	-12,204.87	4,119.71	4,065.68	54.03	76.248		
13,400.00	6,840.00	6,770.97	6,770.19	200.53	1.98	100.81	-1,270.32	-12,204.89	4,019.99	3,965.52	54.46	73.812		
13,500.00	6,840.00	6,769.10	6,768.33	203.18	1.98	100.46	-1,270.32	-12,204.92	3,920.27	3,865.35	54.92	71.385		
13,600.00	6,840.00	6,767.27	6,766.50	205.83	1.98	100.11	-1,270.32	-12,204.95	3,820.57	3,765.17	55.40	68.968		
13,700.00	6,840.00	6,765.46	6,764.69	208.49	1.98	99.77	-1,270.32	-12,204.97	3,720.88	3,664.98	55.90	66.562		
13,800.00	6,840.00	6,763.69	6,762.92	211.14	1.98	99.44	-1,270.33	-12,204.99	3,621.22	3,564.78	56.44	64.165		
13,900.00	6,840.00	6,761.94	6,761.17	213.80	1.98	99.11	-1,270.33	-12,205.02	3,521.56	3,464.56	57.00	61.780		
14,000.00	6,840.00	6,760.22	6,759.45	216.46	1.98	98.78	-1,270.33	-12,205.04	3,421.93	3,364.33	57.60	59.407		
14,100.00	6,840.00	6,758.53	6,757.76	219.12	1.98	98.46	-1,270.33	-12,205.06	3,322.32	3,264.08	58.24	57.046		
14,200.00	6,840.00	6,756.87	6,756.10	221.78	1.98	98.14	-1,270.33	-12,205.09	3,222.74	3,163.82	58.92	54.699		
14,300.00	6,840.00	6,755.23	6,754.46	224.45	1.98	97.83	-1,270.33	-12,205.11	3,123.18	3,063.54	59.64	52.365		
14,400.00	6,840.00	6,753.62	6,752.85	227.11	1.98	97.52	-1,270.33	-12,205.13	3,023.65	2,963.23	60.42	50.046		
14,500.00	6,840.00	6,752.03	6,751.26	229.78	1.98	97.22	-1,270.33	-12,205.15	2,924.14	2,862.90	61.25	47.744		
14,600.00	6,840.00	6,750.46	6,749.69	232.45	1.98	96.92	-1,270.33	-12,205.17	2,824.68	2,762.54	62.14	45.458		
14,700.00	6,840.00	6,748.92	6,748.15	235.12	1.98	96.62	-1,270.33	-12,205.19	2,725.25	2,662.15	63.10	43.190		
14,800.00	6,840.00	6,747.41	6,746.64	237.79	1.98	96.33	-1,270.33	-12,205.21	2,625.87	2,561.73	64.14	40.942		
14,900.00	6,840.00	6,745.91	6,745.14	240.46	1.98	96.04	-1,270.33	-12,205.23	2,526.53	2,461.27	65.26	38.715		
15,000.00	6,840.00	6,744.44	6,743.67	243.13	1.98	95.76	-1,270.34	-12,205.24	2,427.24	2,360.76	66.48	36.510		
15,100.00	6,840.00	6,742.99	6,742.22	245.80	1.98	95.48	-1,270.34	-12,205.26	2,328.02	2,260.21	67.81	34.330		
15,200.00	6,840.00	6,741.56	6,740.79	248.48	1.98	95.20	-1,270.34	-12,205.28	2,228.87	2,159.60	69.27	32.176		
15,300.00	6,840.00	6,740.15	6,739.38	251.15	1.98	94.93	-1,270.34	-12,205.30	2,129.79	2,058.92	70.87	30.051		
15,400.00	6,840.00	6,738.76	6,737.99	253.83	1.98	94.66	-1,270.34	-12,205.31	2,030.80	1,958.17	72.64	27.958		
15,500.00	6,840.00	6,737.39	6,736.62	256.51	1.98	94.40	-1,270.34	-12,205.33	1,931.92	1,857.32	74.60	25.898		
15,600.00	6,840.00	6,736.04	6,735.27	259.19	1.98	94.13	-1,270.34	-12,205.35	1,833.16	1,756.38	76.78	23.876		
15,700.00	6,840.00	6,734.71	6,733.94	261.87	1.98	93.88	-1,270.34	-12,205.36	1,734.54	1,655.32	79.22	21.895		
15,800.00	6,840.00	6,733.40	6,732.63	264.55	1.98	93.62	-1,270.34	-12,205.38	1,636.08	1,554.11	81.97	19.959		
15,900.00	6,840.00	6,732.11	6,731.34	267.23	1.98	93.37	-1,270.34	-12,205.39	1,537.82	1,452.73	85.09	18.073		
16,000.00	6,840.00	6,730.83	6,730.06	269.91	1.98	93.12	-1,270.34	-12,205.41	1,439.80	1,351.15	88.65	16.241		
16,100.00	6,840.00	6,729.57	6,728.80	272.59	1.98	92.88	-1,270.34	-12,205.42	1,342.08	1,249.33	92.75	14.470		
16,200.00	6,840.00	6,728.33	6,727.56	275.28	1.98	92.64	-1,270.34	-12,205.44	1,244.71	1,147.21	97.50	12.766		
16,300.00	6,840.00	6,727.11	6,726.34	277.96	1.98	92.40	-1,270.35	-12,205.45	1,147.80	1,044.72	103.08	11.135		
16,400.00	6,840.00	6,725.90	6,725.13	280.64	1.98	92.17	-1,270.35	-12,205.46	1,051.46	941.77	109.69	9.586		
16,500.00	6,840.00	6,724.71	6,723.94	283.33	1.98	91.93	-1,270.35	-12,205.48	955.87	838.26	117.61	8.128		
16,600.00	6,840.00	6,723.53	6,722.76	286.02	1.98	91.71	-1,270.35	-12,205.49	861.28	734.05	127.23	6.769		
16,700.00	6,840.00	6,722.37	6,721.60	288.70	1.98	91.48	-1,270.35	-12,205.50	768.07	628.97	139.10	5.522		
16,800.00	6,840.00	6,721.22	6,720.45	291.39	1.98	91.26	-1,270.35	-12,205.52	676.79	522.84	153.94	4.396		
16,900.00	6,840.00	6,720.09	6,719.32	294.08	1.98	91.04	-1,270.35	-12,205.53	588.35	415.59	172.76	3.406		
17,000.00	6,840.00	6,718.98	6,718.21	296.77	1.98	90.82	-1,270.35	-12,205.54	504.25	307.48	196.77	2.563		
17,100.00	6,840.00	6,717.87	6,717.11	299.46	1.98	90.60	-1,270.35	-12,205.55	427.05	200.09	226.97	1.882		
17,200.00	6,840.00	6,716.79	6,716.02	302.14	1.98	90.39	-1,270.35	-12,205.56	361.22	98.83	262.39	1.377	Level 3	
17,300.00	6,840.00	6,715.71	6,714.94	304.84	1.98	90.18	-1,270.35	-12,205.57	313.98	18.41	295.57	1.062	Level 2	
17,400.00	6,840.00	6,714.65	6,713.88	307.53	1.98	89.98	-1,270.35	-12,205.59	294.43	-14.71	309.14	0.952	Level 1, ES, SF	
17,409.50	6,840.00	6,714.55	6,713.78	307.78	1.98	89.96	-1,270.35	-12,205.59	294.28	-14.49	308.76	0.953	Level 1, CC	
17,500.00	6,840.00	6,713.60	6,712.84	310.22	1.98	89.77	-1,270.35	-12,205.60	307.88	17.36	290.51	1.060	Level 2	
17,600.00	6,840.00	6,712.57	6,711.80	312.91	1.98	89.57	-1,270.36	-12,205.61	350.55	99.28	251.27	1.395	Level 3	
17,700.00	6,840.00	6,711.55	6,710.78	315.60	1.98	89.37	-1,270.36	-12,205.62	413.50	203.25	210.25	1.967		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT LIBSACK R G 27-15 GYRO - OWB - GYRO													Offset Site Error: 0.00 usft			
Survey Program: 100-GYD_CT															Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
17,800.00	6,840.00	6,710.54	6,709.77	318.29	1.98	89.18	-1,270.36	-12,205.63	488.95	313.05	175.91	2.780				
17,900.00	6,840.00	6,709.54	6,708.78	320.99	1.98	88.98	-1,270.36	-12,205.64	571.98	422.86	149.13	3.836				
18,000.00	6,840.00	6,708.56	6,707.79	323.68	1.98	88.79	-1,270.36	-12,205.65	659.74	531.19	128.55	5.132				
18,100.00	6,840.00	6,707.70	6,706.93	326.38	1.98	88.62	-1,270.36	-12,205.66	750.56	637.92	112.64	6.663				
18,200.00	6,840.00	6,706.75	6,705.98	329.07	1.98	88.44	-1,270.36	-12,205.67	843.46	743.27	100.19	8.419				
18,300.00	6,840.00	6,705.80	6,705.03	331.77	1.98	88.25	-1,270.36	-12,205.68	937.82	847.51	90.31	10.384				
18,400.00	6,840.00	6,704.85	6,704.09	334.46	1.98	88.07	-1,270.36	-12,205.69	1,033.24	950.86	82.38	12.543				
18,500.00	6,840.00	6,703.92	6,703.15	337.16	1.98	87.89	-1,270.36	-12,205.70	1,129.46	1,053.52	75.94	14.873				
18,600.00	6,840.00	6,702.98	6,702.21	339.85	1.98	87.71	-1,270.36	-12,205.70	1,226.27	1,155.61	70.66	17.354				
18,700.00	6,840.00	6,702.05	6,701.29	342.55	1.98	87.53	-1,270.36	-12,205.71	1,323.57	1,257.26	66.30	19.963				
18,800.00	6,840.00	6,701.13	6,700.36	345.25	1.98	87.35	-1,270.36	-12,205.72	1,421.23	1,358.55	62.68	22.675				
18,900.00	6,840.00	6,700.21	6,699.45	347.94	1.98	87.17	-1,270.36	-12,205.73	1,519.20	1,459.55	59.65	25.469				
19,000.00	6,840.00	6,699.30	6,698.53	350.64	1.98	86.99	-1,270.36	-12,205.74	1,617.42	1,560.31	57.10	28.324				
19,100.00	6,840.00	6,698.39	6,697.63	353.34	1.98	86.82	-1,270.37	-12,205.75	1,715.84	1,660.88	54.96	31.220				
19,200.00	6,840.00	6,697.49	6,696.72	356.04	1.98	86.64	-1,270.37	-12,205.76	1,814.44	1,761.29	53.15	34.140				
19,300.00	6,840.00	6,696.59	6,695.83	358.74	1.98	86.47	-1,270.37	-12,205.77	1,913.18	1,861.57	51.61	37.070				
19,400.00	6,840.00	6,695.70	6,694.93	361.44	1.98	86.29	-1,270.37	-12,205.77	2,012.04	1,961.74	50.31	39.997				
19,500.00	6,840.00	6,694.81	6,694.05	364.13	1.98	86.12	-1,270.37	-12,205.78	2,111.01	2,061.82	49.20	42.910				
19,600.00	6,840.00	6,693.93	6,693.16	366.83	1.98	85.95	-1,270.37	-12,205.79	2,210.08	2,161.82	48.25	45.803				
19,700.00	6,840.00	6,693.05	6,692.29	369.53	1.98	85.78	-1,270.37	-12,205.80	2,309.22	2,261.77	47.45	48.668				
19,800.00	6,840.00	6,692.18	6,691.41	372.23	1.98	85.61	-1,270.37	-12,205.81	2,408.43	2,361.67	46.77	51.500				
19,900.00	6,840.00	6,691.31	6,690.54	374.94	1.98	85.44	-1,270.37	-12,205.82	2,507.71	2,461.52	46.18	54.297				
20,000.00	6,840.00	6,690.45	6,689.68	377.64	1.98	85.28	-1,270.37	-12,205.82	2,607.04	2,561.35	45.69	57.056				
20,100.00	6,840.00	6,689.59	6,688.82	380.34	1.98	85.11	-1,270.37	-12,205.83	2,706.42	2,661.15	45.28	59.777				
20,200.00	6,840.00	6,688.73	6,687.97	383.04	1.97	84.94	-1,270.37	-12,205.84	2,805.84	2,760.92	44.92	62.457				
20,300.00	6,840.00	6,687.88	6,687.12	385.74	1.97	84.78	-1,270.37	-12,205.85	2,905.31	2,860.68	44.63	65.098				
20,400.00	6,840.00	6,687.04	6,686.27	388.44	1.97	84.62	-1,270.37	-12,205.86	3,004.81	2,960.42	44.38	67.700				
20,500.00	6,840.00	6,686.20	6,685.43	391.14	1.97	84.45	-1,270.37	-12,205.86	3,104.34	3,060.16	44.18	70.263				
20,552.28	6,840.00	6,685.76	6,684.99	392.56	1.97	84.37	-1,270.37	-12,205.87	3,156.38	3,112.29	44.09	71.588				

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER 21-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,600.00	6,840.00	6,833.24	6,831.97	102.72	1.78	91.37	2,703.95	-13,391.19	9,972.00	9,898.38	73.63	135.442		
9,700.00	6,840.00	6,832.40	6,831.13	105.15	1.78	91.36	2,703.95	-13,391.19	9,881.70	9,806.79	74.91	131.909		
9,800.00	6,840.00	6,831.57	6,830.29	107.59	1.78	91.35	2,703.95	-13,391.20	9,791.58	9,715.35	76.23	128.447		
9,900.00	6,840.00	6,830.72	6,829.45	110.05	1.78	91.34	2,703.95	-13,391.21	9,701.66	9,624.08	77.58	125.055		
10,000.00	6,840.00	6,829.87	6,828.60	112.52	1.78	91.33	2,703.95	-13,391.22	9,611.94	9,532.98	78.96	121.734		
10,100.00	6,840.00	6,829.02	6,827.75	115.00	1.78	91.31	2,703.95	-13,391.23	9,522.42	9,442.05	80.37	118.482		
10,200.00	6,840.00	6,828.16	6,826.89	117.50	1.78	91.30	2,703.95	-13,391.24	9,433.11	9,351.30	81.81	115.299		
10,300.00	6,840.00	6,827.30	6,826.03	120.00	1.78	91.29	2,703.95	-13,391.25	9,344.02	9,260.73	83.29	112.185		
10,400.00	6,840.00	6,826.43	6,825.16	122.51	1.78	91.28	2,703.95	-13,391.26	9,255.15	9,170.35	84.80	109.138		
10,500.00	6,840.00	6,825.55	6,824.28	125.04	1.78	91.27	2,703.95	-13,391.28	9,166.51	9,080.16	86.35	106.159		
10,600.00	6,840.00	6,824.67	6,823.40	127.57	1.78	91.26	2,703.95	-13,391.29	9,078.11	8,990.18	87.93	103.247		
10,700.00	6,840.00	6,823.79	6,822.52	130.11	1.78	91.24	2,703.94	-13,391.30	8,989.94	8,900.40	89.54	100.400		
10,800.00	6,840.00	6,822.90	6,821.63	132.66	1.78	91.23	2,703.94	-13,391.31	8,902.03	8,810.84	91.19	97.617		
10,900.00	6,840.00	6,822.00	6,820.73	135.21	1.78	91.22	2,703.94	-13,391.32	8,814.38	8,721.50	92.88	94.899		
11,000.00	6,840.00	6,821.10	6,819.83	137.77	1.78	91.21	2,703.94	-13,391.33	8,726.99	8,632.38	94.61	92.245		
11,100.00	6,840.00	6,820.20	6,818.93	140.34	1.78	91.20	2,703.94	-13,391.34	8,639.88	8,543.51	96.37	89.652		
11,200.00	6,840.00	6,819.28	6,818.01	142.91	1.78	91.18	2,703.94	-13,391.35	8,553.04	8,454.87	98.17	87.121		
11,300.00	6,840.00	6,818.37	6,817.10	145.49	1.78	91.17	2,703.94	-13,391.36	8,466.50	8,366.48	100.02	84.651		
11,400.00	6,840.00	6,817.44	6,816.17	148.07	1.78	91.16	2,703.94	-13,391.37	8,380.26	8,278.36	101.90	82.240		
11,500.00	6,840.00	6,816.51	6,815.24	150.66	1.78	91.15	2,703.94	-13,391.38	8,294.32	8,190.50	103.82	79.888		
11,600.00	6,840.00	6,815.58	6,814.31	153.25	1.78	91.13	2,703.94	-13,391.40	8,208.71	8,102.92	105.79	77.593		
11,700.00	6,840.00	6,814.64	6,813.37	155.85	1.78	91.12	2,703.94	-13,391.41	8,123.42	8,015.62	107.80	75.355		
11,800.00	6,840.00	6,813.69	6,812.42	158.45	1.78	91.11	2,703.94	-13,391.42	8,038.47	7,928.62	109.85	73.174		
11,900.00	6,840.00	6,812.74	6,811.47	161.06	1.78	91.09	2,703.94	-13,391.43	7,953.87	7,841.92	111.95	71.047		
12,000.00	6,840.00	6,811.77	6,810.50	163.67	1.78	91.15	2,703.94	-13,391.37	7,869.63	7,755.54	114.09	68.974		
12,100.00	6,840.00	6,810.80	6,809.53	166.28	1.78	91.13	2,703.94	-13,391.39	7,785.77	7,669.48	116.28	66.954		
12,200.00	6,840.00	6,810.14	6,808.87	168.90	1.78	91.11	2,703.94	-13,391.41	7,702.29	7,583.77	118.52	64.986		
12,300.00	6,840.00	6,809.28	6,808.01	171.52	1.78	91.09	2,703.94	-13,391.43	7,619.21	7,498.40	120.81	63.069		
12,400.00	6,840.00	6,808.42	6,807.15	174.15	1.78	91.07	2,703.94	-13,391.45	7,536.54	7,413.40	123.14	61.202		
12,500.00	6,840.00	6,807.56	6,806.29	176.77	1.78	91.06	2,703.94	-13,391.47	7,454.29	7,328.77	125.53	59.385		
12,600.00	6,840.00	6,806.70	6,805.43	179.40	1.78	91.04	2,703.94	-13,391.48	7,372.49	7,244.53	127.96	57.615		
12,700.00	6,840.00	6,805.84	6,804.57	182.04	1.78	91.02	2,703.94	-13,391.50	7,291.13	7,160.69	130.45	55.894		
12,800.00	6,840.00	6,804.98	6,803.71	184.67	1.78	91.00	2,703.94	-13,391.52	7,210.25	7,077.26	132.99	54.218		
12,900.00	6,840.00	6,804.12	6,802.85	187.31	1.78	90.98	2,703.94	-13,391.54	7,129.85	6,994.27	135.58	52.589		
13,000.00	6,840.00	6,803.26	6,801.99	189.95	1.78	90.96	2,703.94	-13,391.56	7,049.95	6,911.72	138.22	51.004		
13,100.00	6,840.00	6,802.40	6,801.13	192.59	1.78	90.94	2,703.94	-13,391.58	6,970.57	6,829.64	140.92	49.463		
13,200.00	6,840.00	6,799.72	6,798.45	195.24	1.78	90.92	2,703.94	-13,391.60	6,891.72	6,748.04	143.68	47.965		
13,300.00	6,840.00	6,798.86	6,797.59	197.88	1.78	90.90	2,703.94	-13,391.61	6,813.43	6,666.94	146.50	46.509		
13,400.00	6,840.00	6,798.00	6,796.73	200.53	1.78	90.88	2,703.94	-13,391.63	6,735.72	6,586.35	149.37	45.095		
13,500.00	6,840.00	6,797.14	6,795.87	203.18	1.78	90.86	2,703.94	-13,391.65	6,658.60	6,506.30	152.30	43.721		
13,600.00	6,840.00	6,796.28	6,795.01	205.83	1.78	90.84	2,703.93	-13,391.67	6,582.10	6,426.81	155.28	42.388		
13,700.00	6,840.00	6,795.42	6,794.15	208.49	1.78	90.83	2,703.93	-13,391.69	6,506.23	6,347.90	158.33	41.093		
13,800.00	6,840.00	6,794.56	6,793.29	211.14	1.78	90.81	2,703.93	-13,391.70	6,431.02	6,269.58	161.44	39.836		
13,900.00	6,840.00	6,793.70	6,792.43	213.80	1.78	90.79	2,703.93	-13,391.72	6,356.50	6,191.89	164.61	38.617		
14,000.00	6,840.00	6,792.84	6,791.57	216.46	1.78	90.77	2,703.93	-13,391.74	6,282.68	6,114.85	167.83	37.434		
14,100.00	6,840.00	6,791.98	6,790.71	219.12	1.78	90.75	2,703.93	-13,391.76	6,209.59	6,038.47	171.12	36.287		
14,200.00	6,840.00	6,791.12	6,789.85	221.78	1.78	90.73	2,703.93	-13,391.78	6,137.27	5,962.80	174.47	35.176		
14,300.00	6,840.00	6,790.26	6,788.99	224.43	1.78	90.71	2,703.93	-13,391.79	6,065.73	5,887.85	177.88	34.099		
14,400.00	6,840.00	6,789.40	6,788.13	227.09	1.78	90.69	2,703.93	-13,391.81	5,995.00	5,813.65	181.36	33.056		
14,500.00	6,840.00	6,788.54	6,787.27	229.75	1.78	90.68	2,703.93	-13,391.83	5,925.12	5,740.23	184.89	32.047		
14,600.00	6,840.00	6,787.68	6,786.41	232.41	1.78	90.66	2,703.93	-13,391.85	5,856.11	5,667.63	188.48	31.069		
14,700.00	6,840.00	6,786.82	6,785.55	235.07	1.78	90.64	2,703.93	-13,391.86	5,788.01	5,595.87	192.14	30.124		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER 21-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,800.00	6,840.00	6,777.46	6,776.19	237.79	1.78	90.62	2,703.93	-13,391.88	5,720.84	5,524.99	195.85	29.210		
14,900.00	6,840.00	6,776.10	6,774.83	240.46	1.78	90.60	2,703.93	-13,391.90	5,654.65	5,455.02	199.62	28.327		
15,000.00	6,840.00	6,774.74	6,773.48	243.13	1.78	90.58	2,703.93	-13,391.91	5,589.45	5,386.00	203.45	27.473		
15,100.00	6,840.00	6,773.39	6,772.12	245.80	1.78	90.57	2,703.93	-13,391.93	5,525.30	5,317.97	207.33	26.649		
15,200.00	6,840.00	6,772.04	6,770.77	248.48	1.78	90.55	2,703.93	-13,391.95	5,462.23	5,250.96	211.27	25.854		
15,300.00	6,840.00	6,770.70	6,769.43	251.15	1.78	90.53	2,703.93	-13,391.96	5,400.27	5,185.01	215.26	25.087		
15,400.00	6,840.00	6,769.35	6,768.09	253.83	1.78	90.51	2,703.93	-13,391.98	5,339.46	5,120.16	219.30	24.348		
15,500.00	6,840.00	6,768.02	6,766.75	256.51	1.78	90.49	2,703.92	-13,392.00	5,279.85	5,056.47	223.39	23.636		
15,600.00	6,840.00	6,766.68	6,765.42	259.19	1.78	90.48	2,703.92	-13,392.02	5,221.47	4,993.96	227.51	22.950		
15,700.00	6,840.00	6,765.35	6,764.09	261.87	1.78	90.46	2,703.92	-13,392.03	5,164.37	4,932.69	231.68	22.291		
15,800.00	6,840.00	6,764.03	6,762.76	264.55	1.78	90.44	2,703.92	-13,392.05	5,108.59	4,872.70	235.89	21.657		
15,900.00	6,840.00	6,762.70	6,761.44	267.23	1.78	90.42	2,703.92	-13,392.06	5,054.17	4,814.04	240.13	21.048		
16,000.00	6,840.00	6,761.38	6,760.12	269.91	1.78	90.40	2,703.92	-13,392.08	5,001.16	4,756.77	244.39	20.464		
16,100.00	6,840.00	6,760.07	6,758.80	272.59	1.78	90.39	2,703.92	-13,392.10	4,949.60	4,700.92	248.68	19.903		
16,200.00	6,840.00	6,758.75	6,757.49	275.28	1.78	90.37	2,703.92	-13,392.11	4,899.54	4,646.55	252.99	19.367		
16,300.00	6,840.00	6,757.44	6,756.18	277.96	1.78	90.35	2,703.92	-13,392.13	4,851.02	4,593.72	257.30	18.853		
16,400.00	6,840.00	6,756.14	6,754.87	280.64	1.78	90.33	2,703.92	-13,392.15	4,804.09	4,542.47	261.62	18.363		
16,500.00	6,840.00	6,754.83	6,753.57	283.33	1.78	90.32	2,703.92	-13,392.16	4,758.81	4,492.87	265.94	17.894		
16,600.00	6,840.00	6,753.54	6,752.27	286.02	1.78	90.30	2,703.92	-13,392.18	4,715.21	4,444.96	270.25	17.448		
16,700.00	6,840.00	6,752.24	6,750.97	288.70	1.78	90.28	2,703.92	-13,392.19	4,673.34	4,398.80	274.54	17.022		
16,800.00	6,840.00	6,750.95	6,749.68	291.39	1.78	90.26	2,703.92	-13,392.21	4,633.25	4,354.44	278.81	16.618		
16,900.00	6,840.00	6,749.66	6,748.39	294.08	1.78	90.25	2,703.92	-13,392.23	4,594.99	4,311.95	283.04	16.234		
17,000.00	6,840.00	6,748.37	6,747.11	296.77	1.78	90.23	2,703.91	-13,392.24	4,558.60	4,271.37	287.23	15.871		
17,100.00	6,840.00	6,747.09	6,745.83	299.46	1.78	90.21	2,703.91	-13,392.26	4,524.13	4,232.76	291.37	15.527		
17,200.00	6,840.00	6,745.81	6,744.55	302.14	1.78	90.20	2,703.91	-13,392.27	4,491.62	4,196.18	295.44	15.203		
17,300.00	6,840.00	6,744.54	6,743.27	304.84	1.78	90.18	2,703.91	-13,392.29	4,461.12	4,161.67	299.45	14.898		
17,400.00	6,840.00	6,743.26	6,742.00	307.53	1.78	90.16	2,703.91	-13,392.30	4,432.66	4,129.29	303.37	14.611		
17,500.00	6,840.00	6,742.00	6,740.73	310.22	1.78	90.14	2,703.91	-13,392.32	4,406.29	4,099.08	307.21	14.343		
17,600.00	6,840.00	6,740.73	6,739.47	312.91	1.78	90.13	2,703.91	-13,392.34	4,382.04	4,071.10	310.94	14.093		
17,700.00	6,840.00	6,739.47	6,738.20	315.60	1.78	90.11	2,703.91	-13,392.35	4,359.95	4,045.38	314.56	13.860		
17,800.00	6,840.00	6,738.21	6,736.94	318.29	1.78	90.09	2,703.91	-13,392.37	4,340.05	4,021.98	318.07	13.645		
17,900.00	6,840.00	6,736.95	6,735.69	320.99	1.78	90.08	2,703.91	-13,392.38	4,322.37	4,000.93	321.44	13.447		
18,000.00	6,840.00	6,735.70	6,734.44	323.68	1.78	90.06	2,703.91	-13,392.40	4,306.95	3,982.27	324.68	13.265		
18,100.00	6,840.00	6,734.45	6,733.19	326.38	1.78	90.04	2,703.91	-13,392.41	4,293.79	3,966.03	327.77	13.100		
18,200.00	6,840.00	6,733.21	6,731.94	329.07	1.78	90.03	2,703.91	-13,392.43	4,282.94	3,952.23	330.70	12.951		
18,300.00	6,840.00	6,731.96	6,730.70	331.77	1.78	90.01	2,703.90	-13,392.44	4,274.39	3,940.91	333.48	12.818		
18,400.00	6,840.00	6,730.72	6,729.46	334.46	1.78	89.99	2,703.90	-13,392.46	4,268.17	3,932.09	336.08	12.700		
18,500.00	6,840.00	6,729.49	6,728.22	337.16	1.78	89.98	2,703.90	-13,392.47	4,264.29	3,925.77	338.52	12.597		
18,600.00	6,840.00	6,728.25	6,726.99	339.85	1.78	89.96	2,703.90	-13,392.49	4,262.75	3,921.98	340.77	12.509		
18,615.70	6,840.00	6,728.06	6,726.80	340.28	1.78	89.96	2,703.90	-13,392.49	4,262.72	3,921.61	341.11	12.497 CC		
18,700.00	6,840.00	6,727.02	6,725.76	342.55	1.78	89.94	2,703.90	-13,392.50	4,263.55	3,920.71	342.84	12.436 ES		
18,800.00	6,840.00	6,725.80	6,724.53	345.25	1.78	89.93	2,703.90	-13,392.52	4,266.70	3,921.97	344.72	12.377		
18,900.00	6,840.00	6,724.57	6,723.31	347.94	1.78	89.91	2,703.90	-13,392.53	4,272.19	3,925.77	346.42	12.332		
19,000.00	6,840.00	6,723.35	6,722.09	350.64	1.78	89.89	2,703.90	-13,392.54	4,280.00	3,932.08	347.93	12.301		
19,100.00	6,840.00	6,722.13	6,720.87	353.34	1.78	89.88	2,703.90	-13,392.56	4,290.14	3,940.90	349.24	12.284		
19,200.00	6,840.00	6,720.92	6,719.66	356.04	1.78	89.86	2,703.90	-13,392.57	4,302.57	3,952.21	350.37	12.280 SF		
19,300.00	6,840.00	6,719.71	6,718.45	358.74	1.78	89.84	2,703.90	-13,392.59	4,317.29	3,965.98	351.30	12.289		
19,400.00	6,840.00	6,718.50	6,717.24	361.44	1.78	89.83	2,703.90	-13,392.60	4,334.26	3,982.21	352.05	12.311		
19,500.00	6,840.00	6,717.30	6,716.03	364.13	1.78	89.81	2,703.89	-13,392.62	4,353.46	4,000.84	352.62	12.346		
19,600.00	6,840.00	6,716.09	6,714.83	366.83	1.78	89.80	2,703.89	-13,392.63	4,374.87	4,021.86	353.01	12.393		
19,700.00	6,840.00	6,714.89	6,713.63	369.53	1.78	89.78	2,703.89	-13,392.65	4,398.44	4,045.22	353.22	12.452		
19,800.00	6,840.00	6,713.70	6,712.44	372.23	1.78	89.76	2,703.89	-13,392.66	4,424.15	4,070.89	353.27	12.524		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER 21-27 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,900.00	6,840.00	6,712.51	6,711.24	374.94	1.78	89.75	2,703.89	-13,392.67	4,451.96	4,098.82	353.15	12.607	
20,000.00	6,840.00	6,711.32	6,710.05	377.64	1.78	89.73	2,703.89	-13,392.69	4,481.83	4,128.96	352.87	12.701	
20,100.00	6,840.00	6,710.13	6,708.87	380.34	1.78	89.72	2,703.89	-13,392.70	4,513.71	4,161.27	352.44	12.807	
20,200.00	6,840.00	6,708.94	6,707.68	383.04	1.78	89.70	2,703.89	-13,392.72	4,547.57	4,195.70	351.87	12.924	
20,300.00	6,840.00	6,707.76	6,706.50	385.74	1.78	89.68	2,703.89	-13,392.73	4,583.37	4,232.20	351.16	13.052	
20,400.00	6,840.00	6,706.59	6,705.32	388.44	1.78	89.67	2,703.89	-13,392.74	4,621.04	4,270.72	350.33	13.191	
20,500.00	6,840.00	6,705.41	6,704.15	391.14	1.78	89.65	2,703.88	-13,392.76	4,660.56	4,311.20	349.37	13.340	
20,552.28	6,840.00	6,704.80	6,703.54	392.56	1.78	89.64	2,703.88	-13,392.76	4,681.94	4,333.12	348.82	13.422	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER 27-11G GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,700.00	6,840.00	7,159.93	7,157.40	81.72	1.83	107.23	-197.20	-13,332.48	9,944.36	9,894.32	50.04	198.742		
8,800.00	6,840.00	7,156.36	7,153.84	83.95	1.83	107.09	-197.01	-13,332.61	9,845.40	9,795.03	50.37	195.454		
8,900.00	6,840.00	7,152.80	7,150.28	86.22	1.83	106.95	-196.83	-13,332.74	9,746.47	9,695.75	50.72	192.175		
9,000.00	6,840.00	7,149.23	7,146.72	88.51	1.83	106.81	-196.64	-13,332.86	9,647.55	9,596.48	51.07	188.905		
9,100.00	6,840.00	7,145.67	7,143.16	90.83	1.83	106.67	-196.45	-13,332.99	9,548.65	9,497.22	51.44	185.645		
9,200.00	6,840.00	7,142.10	7,139.61	93.16	1.83	106.54	-196.27	-13,333.11	9,449.78	9,397.97	51.81	182.395		
9,300.00	6,840.00	7,138.54	7,136.05	95.52	1.83	106.40	-196.08	-13,333.24	9,350.93	9,298.74	52.19	179.156		
9,400.00	6,840.00	7,134.97	7,132.49	97.90	1.83	106.26	-195.90	-13,333.37	9,252.10	9,199.51	52.59	175.928		
9,500.00	6,840.00	7,131.40	7,128.93	100.30	1.83	106.12	-195.71	-13,333.49	9,153.30	9,100.30	53.00	172.713		
9,600.00	6,840.00	7,127.84	7,125.37	102.72	1.83	105.98	-195.53	-13,333.62	9,054.52	9,001.11	53.42	169.510		
9,700.00	6,840.00	7,124.27	7,121.82	105.15	1.82	105.84	-195.34	-13,333.75	8,955.77	8,901.92	53.85	166.321		
9,800.00	6,840.00	7,120.71	7,118.26	107.59	1.82	105.69	-195.15	-13,333.87	8,857.04	8,802.76	54.29	163.145		
9,900.00	6,840.00	7,117.14	7,114.70	110.05	1.82	105.55	-194.97	-13,334.00	8,758.35	8,703.60	54.74	159.984		
10,000.00	6,840.00	7,113.58	7,111.14	112.52	1.82	105.41	-194.78	-13,334.12	8,659.68	8,604.46	55.21	156.839		
10,100.00	6,840.00	7,110.01	7,107.58	115.00	1.82	105.27	-194.60	-13,334.25	8,561.04	8,505.34	55.70	153.709		
10,200.00	6,840.00	7,106.45	7,104.02	117.50	1.82	105.13	-194.41	-13,334.38	8,462.43	8,406.23	56.19	150.596		
10,300.00	6,840.00	7,102.88	7,100.47	120.00	1.82	104.99	-194.23	-13,334.50	8,363.85	8,307.14	56.70	147.500		
10,400.00	6,840.00	7,099.32	7,096.91	122.51	1.82	104.85	-194.04	-13,334.63	8,265.30	8,208.07	57.23	144.421		
10,500.00	6,840.00	7,095.75	7,093.35	125.04	1.82	104.71	-193.85	-13,334.75	8,166.79	8,109.02	57.77	141.362		
10,600.00	6,840.00	7,092.19	7,089.79	127.57	1.82	104.57	-193.67	-13,334.88	8,068.31	8,009.98	58.33	138.321		
10,700.00	6,840.00	7,088.62	7,086.23	130.11	1.82	104.42	-193.48	-13,335.01	7,969.87	7,910.96	58.91	135.299		
10,800.00	6,840.00	7,085.06	7,082.68	132.66	1.82	104.28	-193.30	-13,335.13	7,871.47	7,811.97	59.50	132.298		
10,900.00	6,840.00	7,081.49	7,079.12	135.21	1.82	104.14	-193.11	-13,335.26	7,773.10	7,712.99	60.11	129.318		
11,000.00	6,840.00	7,077.93	7,075.56	137.77	1.82	104.00	-192.93	-13,335.39	7,674.78	7,614.04	60.74	126.360		
11,100.00	6,840.00	7,074.36	7,072.00	140.34	1.82	103.85	-192.74	-13,335.51	7,576.50	7,515.11	61.39	123.424		
11,200.00	6,840.00	7,070.80	7,068.44	142.91	1.82	103.71	-192.56	-13,335.64	7,478.26	7,416.20	62.06	120.510		
11,300.00	6,840.00	7,067.23	7,064.89	145.49	1.82	103.57	-192.37	-13,335.76	7,380.07	7,317.32	62.74	117.620		
11,400.00	6,840.00	7,063.67	7,061.33	148.07	1.82	103.43	-192.18	-13,335.89	7,281.92	7,218.47	63.46	114.754		
11,500.00	6,840.00	7,060.10	7,057.77	150.66	1.81	103.28	-192.00	-13,336.02	7,183.83	7,119.64	64.19	111.913		
11,600.00	6,840.00	7,057.04	7,054.71	153.25	1.81	103.16	-191.84	-13,336.12	7,085.78	7,020.84	64.95	109.101		
11,700.00	6,840.00	7,053.19	7,050.87	155.85	1.81	103.01	-191.64	-13,336.26	6,987.79	6,922.06	65.73	106.309		
11,800.00	6,840.00	7,049.36	7,047.05	158.45	1.81	102.85	-191.44	-13,336.40	6,889.86	6,823.32	66.54	103.544		
11,900.00	6,840.00	7,045.57	7,043.26	161.06	1.81	102.70	-191.24	-13,336.53	6,791.99	6,724.61	67.38	100.807		
12,000.00	6,840.00	7,041.80	7,039.50	163.67	1.81	102.55	-191.04	-13,336.66	6,694.17	6,625.93	68.24	98.097		
12,100.00	6,840.00	7,038.06	7,035.77	166.28	1.81	102.40	-190.84	-13,336.79	6,596.42	6,527.29	69.13	95.416		
12,200.00	6,840.00	7,034.34	7,032.06	168.90	1.81	102.25	-190.64	-13,336.92	6,498.73	6,428.68	70.06	92.764		
12,300.00	6,840.00	7,030.66	7,028.38	171.52	1.81	102.10	-190.44	-13,337.05	6,401.12	6,330.11	71.01	90.142		
12,400.00	6,840.00	7,027.00	7,024.73	174.15	1.81	101.95	-190.24	-13,337.18	6,303.58	6,231.58	72.00	87.550		
12,500.00	6,840.00	7,023.36	7,021.10	176.77	1.81	101.80	-190.04	-13,337.31	6,206.11	6,133.09	73.02	84.990		
12,600.00	6,840.00	7,019.75	7,017.50	179.40	1.81	101.66	-189.84	-13,337.43	6,108.72	6,034.64	74.08	82.461		
12,700.00	6,840.00	7,016.17	7,013.93	182.04	1.81	101.51	-189.64	-13,337.55	6,011.42	5,936.24	75.18	79.964		
12,800.00	6,840.00	7,012.57	7,010.32	184.67	1.82	101.60	-189.77	-13,337.47	5,914.20	5,837.90	76.30	77.515		
12,900.00	6,840.00	7,013.13	7,010.89	187.31	1.81	101.39	-189.48	-13,337.65	5,817.08	5,739.60	77.48	75.080		
13,000.00	6,840.00	7,008.00	7,005.77	189.95	1.81	101.18	-189.18	-13,337.83	5,720.05	5,641.35	78.70	72.678		
13,100.00	6,840.00	7,002.98	7,000.76	192.59	1.81	100.98	-188.89	-13,338.00	5,623.13	5,543.16	79.97	70.311		
13,200.00	6,840.00	6,998.06	6,995.86	195.24	1.81	100.78	-188.61	-13,338.17	5,526.31	5,445.02	81.29	67.980		
13,300.00	6,840.00	6,993.25	6,991.06	197.88	1.81	100.58	-188.32	-13,338.33	5,429.61	5,346.95	82.66	65.684		
13,400.00	6,840.00	6,988.54	6,986.36	200.53	1.81	100.39	-188.05	-13,338.48	5,333.03	5,248.94	84.08	63.425		
13,500.00	6,840.00	6,983.92	6,981.75	203.18	1.81	100.20	-187.78	-13,338.63	5,236.57	5,151.00	85.56	61.202		
13,600.00	6,840.00	6,979.40	6,977.24	205.83	1.81	100.02	-187.51	-13,338.78	5,140.24	5,053.14	87.10	59.017		
13,700.00	6,840.00	6,974.97	6,972.82	208.49	1.81	99.83	-187.24	-13,338.92	5,044.05	4,955.36	88.70	56.869		
13,800.00	6,840.00	6,970.63	6,968.49	211.14	1.81	99.66	-186.98	-13,339.06	4,948.01	4,857.65	90.36	54.760		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER 27-11G GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,840.00	6,966.37	6,964.24	213.80	1.81	99.48	-186.73	-13,339.19	4,852.13	4,760.04	92.09	52.690		
14,000.00	6,840.00	6,962.20	6,960.08	216.46	1.81	99.31	-186.48	-13,339.32	4,756.41	4,662.52	93.89	50.658		
14,100.00	6,840.00	6,958.10	6,955.99	219.12	1.81	99.14	-186.23	-13,339.45	4,660.88	4,565.10	95.77	48.666		
14,200.00	6,840.00	6,954.09	6,951.98	221.78	1.81	98.98	-185.98	-13,339.57	4,565.53	4,467.79	97.73	46.714		
14,300.00	6,840.00	6,950.15	6,948.05	224.45	1.81	98.82	-185.74	-13,339.69	4,470.38	4,370.60	99.78	44.803		
14,400.00	6,840.00	6,946.28	6,944.20	227.11	1.81	98.66	-185.51	-13,339.80	4,375.44	4,273.53	101.92	42.932		
14,500.00	6,840.00	6,942.49	6,940.41	229.78	1.81	98.50	-185.27	-13,339.91	4,280.73	4,176.59	104.15	41.102		
14,600.00	6,840.00	6,938.76	6,936.70	232.45	1.81	98.35	-185.04	-13,340.02	4,186.27	4,079.79	106.48	39.314		
14,700.00	6,840.00	6,935.10	6,933.05	235.12	1.81	98.20	-184.81	-13,340.13	4,092.07	3,983.14	108.92	37.568		
14,800.00	6,840.00	6,931.51	6,929.47	237.79	1.81	98.05	-184.59	-13,340.23	3,998.14	3,886.66	111.48	35.864		
14,900.00	6,840.00	6,927.99	6,925.95	240.46	1.81	97.91	-184.37	-13,340.33	3,904.52	3,790.36	114.16	34.202		
15,000.00	6,840.00	6,924.53	6,922.49	243.13	1.81	97.77	-184.15	-13,340.43	3,811.21	3,694.24	116.97	32.583		
15,100.00	6,840.00	6,921.12	6,919.10	245.80	1.81	97.63	-183.94	-13,340.53	3,718.25	3,598.34	119.91	31.007		
15,200.00	6,840.00	6,917.78	6,915.76	248.48	1.81	97.49	-183.73	-13,340.62	3,625.67	3,502.66	123.01	29.475		
15,300.00	6,840.00	15,300.00	6,883.80	251.15	3.18	96.17	-181.70	-13,341.37	3,533.48	3,400.65	132.83	26.602		
15,400.00	6,840.00	6,919.95	6,917.93	253.83	1.81	97.58	-183.88	-13,340.54	3,441.72	3,312.09	129.62	26.551		
15,500.00	6,840.00	6,914.02	6,912.01	256.51	1.81	97.33	-183.50	-13,340.71	3,350.44	3,217.21	133.23	25.147		
15,600.00	6,840.00	6,908.43	6,906.44	259.19	1.81	97.10	-183.14	-13,340.87	3,259.67	3,122.64	137.03	23.788		
15,700.00	6,840.00	6,903.16	6,901.18	261.87	1.81	96.88	-182.80	-13,341.01	3,169.45	3,028.43	141.02	22.474		
15,800.00	6,840.00	6,898.18	6,896.22	264.55	1.81	96.68	-182.47	-13,341.14	3,079.83	2,934.60	145.24	21.206		
15,900.00	6,840.00	6,893.47	6,891.52	267.23	1.81	96.48	-182.17	-13,341.27	2,990.87	2,841.19	149.68	19.982		
16,000.00	6,840.00	6,889.01	6,887.06	269.91	1.81	96.30	-181.89	-13,341.38	2,902.62	2,748.26	154.36	18.804		
16,100.00	6,840.00	6,884.77	6,882.83	272.59	1.81	96.13	-181.61	-13,341.48	2,815.15	2,655.85	159.30	17.672		
16,200.00	6,840.00	6,880.74	6,878.82	275.28	1.81	95.96	-181.36	-13,341.58	2,728.54	2,564.02	164.52	16.585		
16,300.00	6,840.00	6,876.91	6,874.99	277.96	1.81	95.80	-181.11	-13,341.66	2,642.87	2,472.84	170.03	15.543		
16,400.00	6,840.00	6,873.26	6,871.35	280.64	1.81	95.65	-180.88	-13,341.75	2,558.24	2,382.39	175.85	14.547		
16,500.00	6,840.00	6,869.78	6,867.88	283.33	1.81	95.51	-180.66	-13,341.82	2,474.75	2,292.75	182.00	13.597		
16,600.00	6,840.00	6,866.46	6,864.56	286.02	1.81	95.37	-180.45	-13,341.89	2,392.53	2,204.04	188.49	12.693		
16,700.00	6,840.00	6,863.28	6,861.39	288.70	1.81	95.24	-180.25	-13,341.96	2,311.70	2,116.36	195.34	11.834		
16,800.00	6,840.00	6,860.24	6,858.36	291.39	1.81	95.11	-180.05	-13,342.02	2,232.43	2,029.87	202.56	11.021		
16,900.00	6,840.00	6,857.33	6,855.46	294.08	1.81	94.99	-179.87	-13,342.08	2,154.87	1,944.72	210.15	10.254		
17,000.00	6,840.00	6,854.54	6,852.67	296.77	1.81	94.88	-179.70	-13,342.14	2,079.24	1,861.10	218.13	9.532		
17,100.00	6,840.00	6,851.86	6,850.00	299.46	1.81	94.77	-179.53	-13,342.19	2,005.73	1,779.24	226.49	8.856		
17,200.00	6,840.00	6,849.29	6,847.44	302.14	1.81	94.66	-179.37	-13,342.24	1,934.60	1,699.39	235.21	8.225		
17,300.00	6,840.00	6,846.82	6,844.97	304.84	1.81	94.56	-179.21	-13,342.28	1,866.11	1,621.84	244.27	7.640		
17,400.00	6,840.00	6,844.45	6,842.60	307.53	1.81	94.46	-179.06	-13,342.33	1,800.58	1,546.95	253.62	7.099		
17,500.00	6,840.00	6,842.16	6,840.32	310.22	1.81	94.36	-178.92	-13,342.37	1,738.32	1,475.12	263.20	6.604		
17,600.00	6,840.00	6,839.96	6,838.12	312.91	1.81	94.27	-178.78	-13,342.41	1,679.72	1,406.79	272.93	6.154		
17,700.00	6,840.00	6,837.84	6,836.00	315.60	1.81	94.18	-178.65	-13,342.44	1,625.15	1,342.48	282.67	5.749		
17,800.00	6,840.00	6,835.79	6,833.96	318.29	1.80	94.10	-178.52	-13,342.48	1,575.05	1,282.76	292.29	5.389		
17,900.00	6,840.00	6,833.82	6,831.99	320.99	1.80	94.02	-178.40	-13,342.51	1,529.85	1,228.26	301.60	5.073		
18,000.00	6,840.00	6,831.91	6,830.09	323.68	1.80	93.94	-178.28	-13,342.54	1,490.00	1,179.62	310.38	4.801		
18,100.00	6,840.00	6,830.07	6,828.25	326.38	1.80	93.86	-178.16	-13,342.57	1,455.94	1,137.54	318.40	4.573		
18,200.00	6,840.00	6,828.28	6,826.47	329.07	1.80	93.79	-178.05	-13,342.60	1,428.07	1,102.65	325.42	4.388		
18,300.00	6,840.00	6,826.56	6,824.75	331.77	1.80	93.72	-177.95	-13,342.62	1,406.78	1,075.58	331.20	4.248		
18,400.00	6,840.00	6,824.89	6,823.09	334.46	1.80	93.65	-177.84	-13,342.65	1,392.36	1,056.84	335.52	4.150		
18,500.00	6,840.00	6,823.28	6,821.47	337.16	1.80	93.58	-177.74	-13,342.67	1,385.02	1,046.79	338.23	4.095		
18,551.89	6,840.00	6,822.46	6,820.66	338.56	1.80	93.55	-177.69	-13,342.68	1,384.05	1,045.09	338.97	4.083 CC, ES		
18,600.00	6,840.00	6,821.71	6,819.91	339.85	1.80	93.52	-177.65	-13,342.70	1,384.89	1,045.66	339.23	4.082 SF		
18,700.00	6,840.00	6,820.19	6,818.40	342.55	1.80	93.45	-177.55	-13,342.72	1,391.95	1,053.45	338.50	4.112		
18,800.00	6,840.00	6,818.72	6,816.93	345.25	1.80	93.39	-177.46	-13,342.74	1,406.11	1,070.00	336.11	4.183		
18,900.00	6,840.00	6,817.30	6,815.51	347.94	1.80	93.33	-177.37	-13,342.76	1,427.15	1,094.95	332.20	4.296		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER 27-11G GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												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
19,000.00	6,840.00	6,820.06	6,818.26	350.64	1.80	93.45	-177.57	-13,342.74	1,454.75	1,127.85	326.90	4.450	
19,100.00	6,840.00	6,818.50	6,816.70	353.34	1.80	93.38	-177.47	-13,342.76	1,488.59	1,168.07	320.52	4.644	
19,200.00	6,840.00	6,816.96	6,815.17	356.04	1.80	93.32	-177.37	-13,342.78	1,528.24	1,214.97	313.27	4.878	
19,300.00	6,840.00	6,815.44	6,813.65	358.74	1.80	93.26	-177.27	-13,342.79	1,573.25	1,267.88	305.37	5.152	
19,400.00	6,840.00	6,813.94	6,812.16	361.44	1.80	93.20	-177.18	-13,342.81	1,623.18	1,326.15	297.03	5.465	
19,500.00	6,840.00	6,812.47	6,810.69	364.13	1.80	93.13	-177.08	-13,342.83	1,677.59	1,389.14	288.44	5.816	
19,600.00	6,840.00	6,811.01	6,809.24	366.83	1.80	93.07	-176.99	-13,342.85	1,736.06	1,456.29	279.77	6.205	
19,700.00	6,840.00	6,809.58	6,807.80	369.53	1.80	93.02	-176.90	-13,342.87	1,798.19	1,527.06	271.12	6.632	
19,800.00	6,840.00	6,808.16	6,806.39	372.23	1.80	92.96	-176.81	-13,342.88	1,863.62	1,601.00	262.61	7.096	
19,900.00	6,840.00	6,806.77	6,805.00	374.94	1.80	92.90	-176.73	-13,342.90	1,932.00	1,677.69	254.31	7.597	
20,000.00	6,840.00	6,805.39	6,803.63	377.64	1.80	92.84	-176.64	-13,342.91	2,003.05	1,756.78	246.27	8.133	
20,100.00	6,840.00	6,804.03	6,802.27	380.34	1.80	92.79	-176.56	-13,342.93	2,076.49	1,837.96	238.53	8.705	
20,200.00	6,840.00	6,802.69	6,800.93	383.04	1.80	92.73	-176.47	-13,342.95	2,152.06	1,920.96	231.10	9.312	
20,300.00	6,840.00	6,801.37	6,799.61	385.74	1.80	92.68	-176.39	-13,342.96	2,229.56	2,005.55	224.00	9.953	
20,400.00	6,840.00	6,800.07	6,798.31	388.44	1.80	92.62	-176.31	-13,342.98	2,308.79	2,091.55	217.24	10.628	
20,500.00	6,840.00	6,798.78	6,797.03	391.14	1.80	92.57	-176.23	-13,342.99	2,389.57	2,178.78	210.80	11.336	
20,552.28	6,840.00	6,798.11	6,796.36	392.56	1.80	92.54	-176.19	-13,343.00	2,432.37	2,224.82	207.56	11.719	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER 4-27 - 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		
11,200.00	6,840.00	6,760.00	6,760.00	142.91	117.02	90.00	2,713.48	-14,950.69	9,935.75	9,730.09	205.66	48.311		
11,300.00	6,840.00	6,760.00	6,760.00	145.49	117.02	90.00	2,713.48	-14,950.69	9,845.52	9,638.34	207.19	47.520		
11,400.00	6,840.00	6,760.00	6,760.00	148.07	117.02	90.00	2,713.48	-14,950.69	9,755.49	9,546.75	208.74	46.735		
11,500.00	6,840.00	6,760.00	6,760.00	150.66	117.02	90.00	2,713.48	-14,950.69	9,665.65	9,455.32	210.33	45.955		
11,600.00	6,840.00	6,760.00	6,760.00	153.25	117.02	90.00	2,713.48	-14,950.69	9,576.01	9,364.06	211.95	45.180		
11,700.00	6,840.00	6,760.00	6,760.00	155.85	117.02	90.00	2,713.48	-14,950.69	9,486.58	9,272.98	213.61	44.412		
11,800.00	6,840.00	6,760.00	6,760.00	158.45	117.02	90.00	2,713.48	-14,950.69	9,397.36	9,182.07	215.29	43.649		
11,900.00	6,840.00	6,760.00	6,760.00	161.06	117.02	90.00	2,713.48	-14,950.69	9,308.36	9,091.35	217.02	42.892		
12,000.00	6,840.00	6,760.00	6,760.00	163.67	117.02	90.00	2,713.48	-14,950.69	9,219.59	9,000.82	218.78	42.142		
12,100.00	6,840.00	6,760.00	6,760.00	166.28	117.02	90.00	2,713.48	-14,950.69	9,131.05	8,910.48	220.57	41.397		
12,200.00	6,840.00	6,760.00	6,760.00	168.90	117.02	90.00	2,713.48	-14,950.69	9,042.75	8,820.35	222.40	40.659		
12,300.00	6,840.00	6,760.00	6,760.00	171.52	117.02	90.00	2,713.48	-14,950.69	8,954.69	8,730.42	224.27	39.928		
12,400.00	6,840.00	6,760.00	6,760.00	174.15	117.02	90.00	2,713.48	-14,950.69	8,866.89	8,640.71	226.18	39.203		
12,500.00	6,840.00	6,760.00	6,760.00	176.77	117.02	90.00	2,713.48	-14,950.69	8,779.35	8,551.22	228.13	38.484		
12,600.00	6,840.00	6,760.00	6,760.00	179.40	117.02	90.00	2,713.48	-14,950.69	8,692.07	8,461.96	230.12	37.773		
12,700.00	6,840.00	6,760.00	6,760.00	182.04	117.02	90.00	2,713.48	-14,950.69	8,605.08	8,372.93	232.15	37.068		
12,800.00	6,840.00	6,760.00	6,760.00	184.67	117.02	90.00	2,713.48	-14,950.69	8,518.37	8,284.15	234.22	36.370		
12,900.00	6,840.00	6,760.00	6,760.00	187.31	117.02	90.00	2,713.48	-14,950.69	8,431.95	8,195.62	236.33	35.679		
13,000.00	6,840.00	6,760.00	6,760.00	189.95	117.02	90.00	2,713.48	-14,950.69	8,345.84	8,107.35	238.49	34.995		
13,100.00	6,840.00	6,760.00	6,760.00	192.59	117.02	90.00	2,713.48	-14,950.69	8,260.04	8,019.35	240.69	34.319		
13,200.00	6,840.00	6,760.00	6,760.00	195.24	117.02	90.00	2,713.48	-14,950.69	8,174.56	7,931.63	242.93	33.649		
13,300.00	6,840.00	6,760.00	6,760.00	197.88	117.02	90.00	2,713.48	-14,950.69	8,089.42	7,844.19	245.23	32.988		
13,400.00	6,840.00	6,760.00	6,760.00	200.53	117.02	90.00	2,713.48	-14,950.69	8,004.62	7,757.05	247.57	32.333		
13,500.00	6,840.00	6,760.00	6,760.00	203.18	117.02	90.00	2,713.48	-14,950.69	7,920.17	7,670.22	249.95	31.687		
13,600.00	6,840.00	6,760.00	6,760.00	205.83	117.02	90.00	2,713.48	-14,950.69	7,836.09	7,583.70	252.39	31.047		
13,700.00	6,840.00	6,760.00	6,760.00	208.49	117.02	90.00	2,713.48	-14,950.69	7,752.39	7,497.51	254.88	30.416		
13,800.00	6,840.00	6,760.00	6,760.00	211.14	117.02	90.00	2,713.48	-14,950.69	7,669.08	7,411.66	257.42	29.793		
13,900.00	6,840.00	6,760.00	6,760.00	213.80	117.02	90.00	2,713.48	-14,950.69	7,586.17	7,326.16	260.01	29.177		
14,000.00	6,840.00	6,760.00	6,760.00	216.46	117.02	90.00	2,713.48	-14,950.69	7,503.68	7,241.03	262.65	28.569		
14,100.00	6,840.00	6,760.00	6,760.00	219.12	117.02	90.00	2,713.48	-14,950.69	7,421.62	7,156.27	265.35	27.970		
14,200.00	6,840.00	6,760.00	6,760.00	221.78	117.02	90.00	2,713.48	-14,950.69	7,340.00	7,071.90	268.10	27.378		
14,300.00	6,840.00	6,760.00	6,760.00	224.45	117.02	90.00	2,713.48	-14,950.69	7,258.84	6,987.94	270.90	26.795		
14,400.00	6,840.00	6,760.00	6,760.00	227.11	117.02	90.00	2,713.48	-14,950.69	7,178.16	6,904.40	273.77	26.220		
14,500.00	6,840.00	6,760.00	6,760.00	229.78	117.02	90.00	2,713.48	-14,950.69	7,097.97	6,821.29	276.69	25.653		
14,600.00	6,840.00	6,760.00	6,760.00	232.45	117.02	90.00	2,713.48	-14,950.69	7,018.29	6,738.63	279.67	25.095		
14,700.00	6,840.00	6,760.00	6,760.00	235.12	117.02	90.00	2,713.48	-14,950.69	6,939.14	6,656.43	282.71	24.545		
14,800.00	6,840.00	6,760.00	6,760.00	237.79	117.02	90.00	2,713.48	-14,950.69	6,860.53	6,574.72	285.81	24.004		
14,900.00	6,840.00	6,760.00	6,760.00	240.46	117.02	90.00	2,713.48	-14,950.69	6,782.49	6,493.52	288.97	23.471		
15,000.00	6,840.00	6,760.00	6,760.00	243.13	117.02	90.00	2,713.48	-14,950.69	6,705.02	6,412.83	292.19	22.947		
15,100.00	6,840.00	6,760.00	6,760.00	245.80	117.02	90.00	2,713.48	-14,950.69	6,628.16	6,332.69	295.48	22.432		
15,200.00	6,840.00	6,760.00	6,760.00	248.48	117.02	90.00	2,713.48	-14,950.69	6,551.93	6,253.10	298.82	21.926		
15,300.00	6,840.00	6,760.00	6,760.00	251.15	117.02	90.00	2,713.48	-14,950.69	6,476.34	6,174.10	302.24	21.428		
15,400.00	6,840.00	6,760.00	6,760.00	253.83	117.02	90.00	2,713.48	-14,950.69	6,401.42	6,095.71	305.71	20.939		
15,500.00	6,840.00	6,760.00	6,760.00	256.51	117.02	90.00	2,713.48	-14,950.69	6,327.20	6,017.94	309.25	20.460		
15,600.00	6,840.00	6,760.00	6,760.00	259.19	117.02	90.00	2,713.48	-14,950.69	6,253.69	5,940.83	312.86	19.989		
15,700.00	6,840.00	6,760.00	6,760.00	261.87	117.02	90.00	2,713.48	-14,950.69	6,180.93	5,864.40	316.53	19.527		
15,800.00	6,840.00	6,760.00	6,760.00	264.55	117.02	90.00	2,713.48	-14,950.69	6,108.93	5,788.67	320.26	19.075		
15,900.00	6,840.00	6,760.00	6,760.00	267.23	117.02	90.00	2,713.48	-14,950.69	6,037.74	5,713.67	324.06	18.631		
16,000.00	6,840.00	6,760.00	6,760.00	269.91	117.02	90.00	2,713.48	-14,950.69	5,967.37	5,639.44	327.93	18.197		
16,100.00	6,840.00	6,760.00	6,760.00	272.59	117.02	90.00	2,713.48	-14,950.69	5,897.86	5,566.00	331.86	17.772		
16,200.00	6,840.00	6,760.00	6,760.00	275.28	117.02	90.00	2,713.48	-14,950.69	5,829.23	5,493.38	335.85	17.357		
16,300.00	6,840.00	6,760.00	6,760.00	277.96	117.02	90.00	2,713.48	-14,950.69	5,761.52	5,421.62	339.90	16.950		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER 4-27 - 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		
16,400.00	6,840.00	6,760.00	6,760.00	280.64	117.02	90.00	2,713.48	-14,950.69	5,694.76	5,350.74	344.02	16.553		
16,500.00	6,840.00	6,760.00	6,760.00	283.33	117.02	90.00	2,713.48	-14,950.69	5,628.99	5,280.79	348.20	16.166		
16,600.00	6,840.00	6,760.00	6,760.00	286.02	117.02	90.00	2,713.48	-14,950.69	5,564.24	5,211.80	352.44	15.788		
16,700.00	6,840.00	6,760.00	6,760.00	288.70	117.02	90.00	2,713.48	-14,950.69	5,500.54	5,143.82	356.73	15.419		
16,800.00	6,840.00	6,760.00	6,760.00	291.39	117.02	90.00	2,713.48	-14,950.69	5,437.94	5,076.86	361.08	15.060		
16,900.00	6,840.00	6,760.00	6,760.00	294.08	117.02	90.00	2,713.48	-14,950.69	5,376.47	5,010.99	365.48	14.711		
17,000.00	6,840.00	6,760.00	6,760.00	296.77	117.02	90.00	2,713.48	-14,950.69	5,316.17	4,946.24	369.93	14.371		
17,100.00	6,840.00	6,760.00	6,760.00	299.46	117.02	90.00	2,713.48	-14,950.69	5,257.08	4,882.65	374.42	14.041		
17,200.00	6,840.00	6,760.00	6,760.00	302.14	117.02	90.00	2,713.48	-14,950.69	5,199.24	4,820.28	378.96	13.720		
17,300.00	6,840.00	6,760.00	6,760.00	304.84	117.02	90.00	2,713.48	-14,950.69	5,142.69	4,759.16	383.54	13.409		
17,400.00	6,840.00	6,760.00	6,760.00	307.53	117.02	90.00	2,713.48	-14,950.69	5,087.48	4,699.34	388.14	13.107		
17,500.00	6,840.00	6,760.00	6,760.00	310.22	117.02	90.00	2,713.48	-14,950.69	5,033.66	4,640.88	392.78	12.815		
17,600.00	6,840.00	6,760.00	6,760.00	312.91	117.02	90.00	2,713.48	-14,950.69	4,981.26	4,583.82	397.44	12.533		
17,700.00	6,840.00	6,760.00	6,760.00	315.60	117.02	90.00	2,713.48	-14,950.69	4,930.33	4,528.21	402.12	12.261		
17,800.00	6,840.00	6,760.00	6,760.00	318.29	117.02	90.00	2,713.48	-14,950.69	4,880.92	4,474.11	406.81	11.998		
17,900.00	6,840.00	6,760.00	6,760.00	320.99	117.02	90.00	2,713.48	-14,950.69	4,833.07	4,421.57	411.50	11.745		
18,000.00	6,840.00	6,760.00	6,760.00	323.68	117.02	90.00	2,713.48	-14,950.69	4,786.84	4,370.65	416.19	11.502		
18,100.00	6,840.00	6,760.00	6,760.00	326.38	117.02	90.00	2,713.48	-14,950.69	4,742.26	4,321.39	420.86	11.268		
18,200.00	6,840.00	6,760.00	6,760.00	329.07	117.02	90.00	2,713.48	-14,950.69	4,699.39	4,273.87	425.52	11.044		
18,300.00	6,840.00	6,760.00	6,760.00	331.77	117.02	90.00	2,713.48	-14,950.69	4,658.27	4,228.12	430.15	10.829		
18,400.00	6,840.00	6,760.00	6,760.00	334.46	117.02	90.00	2,713.48	-14,950.69	4,618.95	4,184.21	434.73	10.625		
18,500.00	6,840.00	6,760.00	6,760.00	337.16	117.02	90.00	2,713.48	-14,950.69	4,581.47	4,142.20	439.27	10.430		
18,600.00	6,840.00	6,760.00	6,760.00	339.85	117.02	90.00	2,713.48	-14,950.69	4,545.89	4,102.13	443.76	10.244		
18,700.00	6,840.00	6,760.00	6,760.00	342.55	117.02	90.00	2,713.48	-14,950.69	4,512.24	4,064.07	448.17	10.068		
18,800.00	6,840.00	6,760.00	6,760.00	345.25	117.02	90.00	2,713.48	-14,950.69	4,480.57	4,028.07	452.51	9.902		
18,900.00	6,840.00	6,760.00	6,760.00	347.94	117.02	90.00	2,713.48	-14,950.69	4,450.93	3,994.17	456.75	9.745		
19,000.00	6,840.00	6,760.00	6,760.00	350.64	117.02	90.00	2,713.48	-14,950.69	4,423.34	3,962.45	460.90	9.597		
19,100.00	6,840.00	6,760.00	6,760.00	353.34	117.02	90.00	2,713.48	-14,950.69	4,397.86	3,932.93	464.93	9.459		
19,200.00	6,840.00	6,760.00	6,760.00	356.04	117.02	90.00	2,713.48	-14,950.69	4,374.52	3,905.68	468.84	9.331		
19,300.00	6,840.00	6,760.00	6,760.00	358.74	117.02	90.00	2,713.48	-14,950.69	4,353.34	3,880.73	472.62	9.211		
19,400.00	6,840.00	6,760.00	6,760.00	361.44	117.02	90.00	2,713.48	-14,950.69	4,334.38	3,858.12	476.25	9.101		
19,500.00	6,840.00	6,760.00	6,760.00	364.13	117.02	90.00	2,713.48	-14,950.69	4,317.64	3,837.91	479.74	9.000		
19,600.00	6,840.00	6,760.00	6,760.00	366.83	117.02	90.00	2,713.48	-14,950.69	4,303.17	3,820.11	483.06	8.908		
19,700.00	6,840.00	6,760.00	6,760.00	369.53	117.02	90.00	2,713.48	-14,950.69	4,290.97	3,804.77	486.21	8.825		
19,800.00	6,840.00	6,760.00	6,760.00	372.23	117.02	90.00	2,713.48	-14,950.69	4,281.08	3,791.91	489.18	8.752		
19,900.00	6,840.00	6,760.00	6,760.00	374.94	117.02	90.00	2,713.48	-14,950.69	4,273.51	3,781.55	491.96	8.687		
20,000.00	6,840.00	6,760.00	6,760.00	377.64	117.02	90.00	2,713.48	-14,950.69	4,268.27	3,773.72	494.55	8.631		
20,100.00	6,840.00	6,760.00	6,760.00	380.34	117.02	90.00	2,713.48	-14,950.69	4,265.36	3,768.42	496.94	8.583		
20,173.92	6,840.00	6,760.00	6,760.00	382.33	117.02	90.00	2,713.48	-14,950.69	4,264.72	3,766.15	498.58	8.554 CC		
20,200.00	6,840.00	6,760.00	6,760.00	383.04	117.02	90.00	2,713.48	-14,950.69	4,264.80	3,765.68	499.13	8.545		
20,300.00	6,840.00	6,760.00	6,760.00	385.74	117.02	90.00	2,713.48	-14,950.69	4,266.59	3,765.48	501.10	8.514 ES		
20,400.00	6,840.00	6,760.00	6,760.00	388.44	117.02	90.00	2,713.48	-14,950.69	4,270.71	3,767.84	502.87	8.493		
20,500.00	6,840.00	6,760.00	6,760.00	391.14	117.02	90.00	2,713.48	-14,950.69	4,277.17	3,772.74	504.43	8.479		
20,552.28	6,840.00	6,760.00	6,760.00	392.56	117.02	90.00	2,713.48	-14,950.69	4,281.47	3,776.32	505.16	8.476 SF		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER G 34-29 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	6,840.00	6,828.30	6,827.22	97.90	1.68	-106.93	-1,848.39	-14,126.60	9,932.40	9,890.46	41.95	236.793		
9,500.00	6,840.00	6,827.16	6,826.07	100.30	1.68	-106.72	-1,848.39	-14,126.61	9,832.45	9,790.54	41.91	234.605		
9,600.00	6,840.00	6,826.01	6,824.93	102.72	1.68	-106.52	-1,848.38	-14,126.62	9,732.50	9,690.63	41.88	232.415		
9,700.00	6,840.00	6,824.88	6,823.79	105.15	1.68	-106.32	-1,848.38	-14,126.63	9,632.55	9,590.71	41.84	230.224		
9,800.00	6,840.00	6,823.74	6,822.66	107.59	1.68	-106.11	-1,848.37	-14,126.64	9,532.60	9,490.80	41.80	228.031		
9,900.00	6,840.00	6,822.62	6,821.53	110.05	1.68	-105.91	-1,848.37	-14,126.65	9,432.65	9,390.89	41.77	225.836		
10,000.00	6,840.00	6,821.50	6,820.41	112.52	1.68	-105.71	-1,848.36	-14,126.66	9,332.71	9,290.98	41.73	223.640		
10,100.00	6,840.00	6,820.38	6,819.30	115.00	1.68	-105.50	-1,848.35	-14,126.67	9,232.76	9,191.07	41.69	221.442		
10,200.00	6,840.00	6,819.27	6,818.19	117.50	1.68	-105.30	-1,848.35	-14,126.68	9,132.82	9,091.16	41.66	219.243		
10,300.00	6,840.00	6,818.17	6,817.08	120.00	1.67	-105.10	-1,848.34	-14,126.69	9,032.87	8,991.25	41.62	217.042		
10,400.00	6,840.00	6,817.07	6,815.98	122.51	1.67	-104.90	-1,848.34	-14,126.70	8,932.93	8,891.35	41.58	214.841		
10,500.00	6,840.00	6,815.98	6,814.89	125.04	1.67	-104.70	-1,848.33	-14,126.71	8,832.99	8,791.45	41.54	212.637		
10,600.00	6,840.00	6,814.89	6,813.80	127.57	1.67	-104.50	-1,848.32	-14,126.72	8,733.05	8,691.55	41.50	210.433		
10,700.00	6,840.00	6,813.81	6,812.72	130.11	1.67	-104.31	-1,848.32	-14,126.73	8,633.11	8,591.65	41.46	208.227		
10,800.00	6,840.00	6,812.73	6,811.64	132.66	1.67	-104.11	-1,848.31	-14,126.74	8,533.17	8,491.75	41.42	206.019		
10,900.00	6,840.00	6,811.66	6,810.57	135.21	1.67	-103.91	-1,848.31	-14,126.75	8,433.23	8,391.85	41.38	203.811		
11,000.00	6,840.00	6,810.59	6,809.50	137.77	1.67	-103.71	-1,848.30	-14,126.76	8,333.30	8,291.96	41.34	201.602		
11,100.00	6,840.00	6,809.53	6,808.44	140.34	1.67	-103.52	-1,848.29	-14,126.77	8,233.36	8,192.07	41.29	199.391		
11,200.00	6,840.00	6,808.47	6,807.38	142.91	1.67	-103.32	-1,848.29	-14,126.78	8,133.43	8,092.18	41.25	197.179		
11,300.00	6,840.00	6,807.42	6,806.33	145.49	1.67	-103.13	-1,848.28	-14,126.79	8,033.50	7,992.30	41.20	194.966		
11,400.00	6,840.00	6,806.37	6,805.28	148.07	1.67	-102.93	-1,848.28	-14,126.80	7,933.57	7,892.41	41.16	192.751		
11,500.00	6,840.00	6,805.33	6,804.24	150.66	1.67	-102.74	-1,848.27	-14,126.80	7,833.64	7,792.53	41.11	190.536		
11,600.00	6,840.00	6,804.29	6,803.20	153.25	1.67	-102.55	-1,848.26	-14,126.81	7,733.72	7,692.65	41.07	188.320		
11,700.00	6,840.00	6,803.26	6,802.17	155.85	1.67	-102.36	-1,848.26	-14,126.82	7,633.79	7,592.77	41.02	186.102		
11,800.00	6,840.00	6,802.23	6,801.14	158.45	1.67	-102.16	-1,848.25	-14,126.83	7,533.87	7,492.90	40.97	183.883		
11,900.00	6,840.00	6,801.21	6,800.12	161.06	1.67	-101.97	-1,848.24	-14,126.84	7,433.95	7,393.03	40.92	181.663		
12,000.00	6,840.00	6,800.19	6,799.10	163.67	1.67	-101.78	-1,848.24	-14,126.85	7,334.03	7,293.16	40.87	179.441		
12,100.00	6,840.00	6,799.28	6,798.19	166.28	1.67	-101.61	-1,848.23	-14,126.86	7,234.12	7,193.30	40.82	177.220		
12,200.00	6,840.00	6,798.39	6,797.31	168.90	1.67	-101.45	-1,848.23	-14,126.86	7,134.21	7,093.44	40.77	174.997		
12,300.00	6,840.00	6,797.51	6,796.42	171.52	1.67	-101.28	-1,848.22	-14,126.87	7,034.29	6,993.58	40.71	172.774		
12,400.00	6,840.00	6,796.63	6,795.54	174.15	1.67	-101.11	-1,848.22	-14,126.88	6,934.39	6,893.73	40.66	170.548		
12,500.00	6,840.00	6,795.74	6,794.66	176.77	1.67	-100.95	-1,848.21	-14,126.89	6,834.48	6,793.88	40.60	168.321		
12,600.00	6,840.00	6,794.86	6,793.78	179.40	1.67	-100.78	-1,848.21	-14,126.89	6,734.58	6,694.03	40.55	166.093		
12,700.00	6,840.00	6,793.98	6,792.90	182.04	1.67	-100.62	-1,848.20	-14,126.90	6,634.68	6,594.19	40.49	163.863		
12,800.00	6,840.00	6,793.10	6,792.01	184.67	1.67	-100.45	-1,848.20	-14,126.91	6,534.78	6,494.35	40.43	161.630		
12,900.00	6,840.00	6,792.22	6,791.14	187.31	1.67	-100.28	-1,848.19	-14,126.92	6,434.88	6,394.51	40.37	159.396		
13,000.00	6,840.00	6,791.34	6,790.26	189.95	1.67	-100.12	-1,848.19	-14,126.92	6,334.99	6,294.68	40.31	157.160		
13,100.00	6,840.00	6,790.46	6,789.38	192.59	1.67	-99.95	-1,848.18	-14,126.93	6,235.11	6,194.86	40.25	154.921		
13,200.00	6,840.00	6,789.59	6,788.50	195.24	1.67	-99.78	-1,848.17	-14,126.94	6,135.22	6,095.04	40.18	152.679		
13,300.00	6,840.00	6,788.71	6,787.63	197.88	1.67	-99.62	-1,848.17	-14,126.95	6,035.34	5,995.22	40.12	150.435		
13,400.00	6,840.00	6,787.83	6,786.75	200.53	1.67	-99.45	-1,848.16	-14,126.95	5,935.46	5,895.41	40.05	148.188		
13,500.00	6,840.00	6,786.96	6,785.88	203.18	1.67	-99.28	-1,848.16	-14,126.96	5,835.59	5,795.60	39.99	145.937		
13,600.00	6,840.00	6,786.09	6,785.00	205.83	1.67	-99.12	-1,848.15	-14,126.97	5,735.72	5,695.80	39.92	143.683		
13,700.00	6,840.00	6,785.21	6,784.13	208.49	1.67	-98.95	-1,848.15	-14,126.98	5,635.86	5,596.01	39.85	141.424		
13,800.00	6,840.00	6,784.34	6,783.26	211.14	1.67	-98.79	-1,848.14	-14,126.98	5,536.00	5,496.22	39.78	139.161		
13,900.00	6,840.00	6,783.47	6,782.39	213.80	1.67	-98.62	-1,848.14	-14,126.99	5,436.14	5,396.43	39.71	136.893		
14,000.00	6,840.00	6,782.60	6,781.52	216.46	1.67	-98.45	-1,848.13	-14,127.00	5,336.30	5,296.66	39.64	134.620		
14,100.00	6,840.00	6,781.73	6,780.65	219.12	1.67	-98.29	-1,848.13	-14,127.01	5,236.45	5,196.88	39.57	132.340		
14,200.00	6,840.00	6,780.86	6,779.78	221.78	1.67	-98.12	-1,848.12	-14,127.01	5,136.62	5,097.12	39.50	130.054		
14,300.00	6,840.00	6,779.99	6,778.91	224.45	1.67	-97.95	-1,848.12	-14,127.02	5,036.78	4,997.36	39.42	127.761		
14,400.00	6,840.00	6,779.13	6,778.04	227.11	1.67	-97.79	-1,848.11	-14,127.03	4,936.96	4,897.61	39.35	125.460		
14,500.00	6,840.00	6,778.26	6,777.18	229.78	1.67	-97.62	-1,848.11	-14,127.03	4,837.14	4,797.87	39.28	123.149		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER G 34-29 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	6,840.00	6,777.39	6,776.31	232.45	1.67	-97.45	-1,848.10	-14,127.04	4,737.33	4,698.13	39.21	120.829		
14,700.00	6,840.00	6,776.53	6,775.45	235.12	1.67	-97.29	-1,848.10	-14,127.05	4,637.53	4,598.40	39.14	118.498		
14,800.00	6,840.00	6,775.67	6,774.58	237.79	1.67	-97.12	-1,848.09	-14,127.06	4,537.74	4,498.67	39.07	116.155		
14,900.00	6,840.00	6,774.80	6,773.72	240.46	1.67	-96.96	-1,848.09	-14,127.06	4,437.96	4,398.96	39.00	113.798		
15,000.00	6,840.00	6,773.94	6,772.86	243.13	1.67	-96.79	-1,848.08	-14,127.07	4,338.18	4,299.25	38.93	111.426		
15,100.00	6,840.00	6,773.08	6,772.00	245.80	1.67	-96.62	-1,848.08	-14,127.08	4,238.42	4,199.55	38.87	109.038		
15,200.00	6,840.00	6,772.22	6,771.13	248.48	1.67	-96.46	-1,848.07	-14,127.09	4,138.67	4,099.85	38.81	106.632		
15,300.00	6,840.00	6,771.36	6,770.27	251.15	1.67	-96.29	-1,848.07	-14,127.09	4,038.93	4,000.17	38.76	104.205		
15,400.00	6,840.00	6,770.50	6,769.42	253.83	1.67	-96.12	-1,848.06	-14,127.10	3,939.20	3,900.49	38.71	101.756		
15,500.00	6,840.00	6,769.64	6,768.56	256.51	1.67	-95.96	-1,848.05	-14,127.11	3,839.49	3,800.81	38.67	99.283		
15,600.00	6,840.00	6,768.78	6,767.70	259.19	1.67	-95.79	-1,848.05	-14,127.11	3,739.79	3,701.15	38.64	96.781		
15,700.00	6,840.00	6,767.93	6,766.84	261.87	1.67	-95.63	-1,848.04	-14,127.12	3,640.11	3,601.49	38.62	94.249		
15,800.00	6,840.00	6,767.07	6,765.99	264.55	1.67	-95.46	-1,848.04	-14,127.13	3,540.44	3,501.83	38.62	91.684		
15,900.00	6,840.00	6,766.22	6,765.13	267.23	1.67	-95.30	-1,848.03	-14,127.14	3,440.80	3,402.17	38.63	89.082		
16,000.00	6,840.00	6,765.36	6,764.28	269.91	1.67	-95.13	-1,848.03	-14,127.14	3,341.18	3,302.52	38.65	86.438		
16,100.00	6,840.00	6,764.51	6,763.42	272.59	1.67	-94.96	-1,848.02	-14,127.15	3,241.57	3,202.87	38.71	83.750		
16,200.00	6,840.00	6,763.65	6,762.57	275.28	1.67	-94.80	-1,848.02	-14,127.16	3,142.00	3,103.22	38.78	81.013		
16,300.00	6,840.00	6,762.80	6,761.72	277.96	1.67	-94.63	-1,848.01	-14,127.16	3,042.45	3,003.56	38.90	78.222		
16,400.00	6,840.00	6,761.95	6,760.87	280.64	1.67	-94.47	-1,848.01	-14,127.17	2,942.93	2,903.89	39.04	75.373		
16,500.00	6,840.00	6,761.10	6,760.02	283.33	1.67	-94.30	-1,848.00	-14,127.18	2,843.45	2,804.21	39.24	72.462		
16,600.00	6,840.00	6,760.25	6,759.17	286.02	1.67	-94.14	-1,848.00	-14,127.19	2,744.00	2,704.51	39.49	69.484		
16,700.00	6,840.00	6,759.40	6,758.32	288.70	1.67	-93.97	-1,847.99	-14,127.19	2,644.60	2,604.79	39.81	66.436		
16,800.00	6,840.00	6,758.55	6,757.47	291.39	1.67	-93.81	-1,847.99	-14,127.20	2,545.24	2,505.04	40.20	63.314		
16,900.00	6,840.00	6,757.71	6,756.62	294.08	1.67	-93.64	-1,847.98	-14,127.21	2,445.93	2,405.25	40.69	60.118		
17,000.00	6,840.00	6,756.86	6,755.78	296.77	1.67	-93.48	-1,847.98	-14,127.21	2,346.69	2,305.40	41.28	56.846		
17,100.00	6,840.00	6,756.02	6,754.93	299.46	1.67	-93.31	-1,847.97	-14,127.22	2,247.50	2,205.50	42.01	53.502		
17,200.00	6,840.00	6,755.17	6,754.09	302.14	1.67	-93.15	-1,847.97	-14,127.23	2,148.40	2,105.51	42.89	50.091		
17,300.00	6,840.00	6,754.33	6,753.24	304.84	1.67	-92.98	-1,847.96	-14,127.24	2,049.38	2,005.42	43.96	46.621		
17,400.00	6,840.00	6,753.48	6,752.40	307.53	1.67	-92.82	-1,847.96	-14,127.24	1,950.46	1,905.21	45.25	43.106		
17,500.00	6,840.00	6,752.64	6,751.56	310.22	1.67	-92.65	-1,847.95	-14,127.25	1,851.65	1,804.85	46.80	39.563		
17,600.00	6,840.00	6,751.80	6,750.72	312.91	1.67	-92.49	-1,847.95	-14,127.26	1,752.98	1,704.31	48.67	36.015		
17,700.00	6,840.00	6,750.96	6,749.88	315.60	1.67	-92.32	-1,847.94	-14,127.26	1,654.47	1,603.55	50.93	32.488		
17,800.00	6,840.00	6,750.12	6,749.04	318.29	1.67	-92.16	-1,847.94	-14,127.27	1,556.15	1,502.52	53.64	29.014		
17,900.00	6,840.00	6,749.28	6,748.20	320.99	1.67	-92.00	-1,847.93	-14,127.28	1,458.06	1,401.16	56.90	25.626		
18,000.00	6,840.00	6,748.44	6,747.36	323.68	1.67	-91.83	-1,847.93	-14,127.28	1,360.25	1,299.41	60.83	22.360		
18,100.00	6,840.00	6,747.60	6,746.52	326.38	1.67	-91.67	-1,847.92	-14,127.29	1,262.77	1,197.18	65.60	19.250		
18,200.00	6,840.00	6,746.76	6,745.68	329.07	1.67	-91.50	-1,847.92	-14,127.30	1,165.73	1,094.35	71.38	16.331		
18,300.00	6,840.00	6,745.93	6,744.85	331.77	1.67	-91.34	-1,847.91	-14,127.31	1,069.23	990.78	78.45	13.629		
18,400.00	6,840.00	6,745.09	6,744.01	334.46	1.67	-91.18	-1,847.91	-14,127.31	973.43	886.28	87.15	11.169		
18,500.00	6,840.00	6,744.26	6,743.18	337.16	1.67	-91.01	-1,847.90	-14,127.32	878.57	780.61	97.96	8.968		
18,600.00	6,840.00	6,743.42	6,742.34	339.85	1.67	-90.85	-1,847.90	-14,127.33	784.99	673.44	111.55	7.037		
18,700.00	6,840.00	6,742.59	6,741.51	342.55	1.67	-90.69	-1,847.89	-14,127.33	693.20	564.36	128.84	5.380		
18,800.00	6,840.00	6,741.76	6,740.68	345.25	1.67	-90.52	-1,847.89	-14,127.34	604.02	452.87	151.16	3.996		
18,900.00	6,840.00	6,740.93	6,739.84	347.94	1.67	-90.36	-1,847.88	-14,127.35	518.81	338.55	180.26	2.878		
19,000.00	6,840.00	6,740.09	6,739.01	350.64	1.67	-90.20	-1,847.88	-14,127.35	439.86	221.71	218.15	2.016		
19,100.00	6,840.00	6,739.26	6,738.18	353.34	1.67	-90.04	-1,847.87	-14,127.36	371.20	105.57	265.63	1.397	Level 3	
19,200.00	6,840.00	6,738.43	6,737.35	356.04	1.67	-89.87	-1,847.87	-14,127.37	319.53	2.01	317.51	1.006	Level 2	
19,300.00	6,840.00	6,737.61	6,736.52	358.74	1.67	-89.71	-1,847.86	-14,127.37	293.95	-61.61	355.56	0.827	Level 1	
19,328.46	6,840.00	6,737.37	6,736.29	359.50	1.67	-89.66	-1,847.86	-14,127.38	292.57	-67.77	360.34	0.812	Level 1, CC, ES, SF	
19,400.00	6,840.00	6,736.78	6,735.70	361.44	1.67	-89.55	-1,847.86	-14,127.38	301.19	-56.68	357.87	0.842	Level 1	
19,500.00	6,840.00	6,735.95	6,734.87	364.13	1.67	-89.39	-1,847.86	-14,127.39	339.15	11.13	328.02	1.034	Level 2	
19,600.00	6,840.00	6,735.12	6,734.04	366.83	1.67	-89.23	-1,847.85	-14,127.40	399.16	111.36	287.80	1.387	Level 3	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER G 34-29 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,700.00	6,840.00	6,734.30	6,733.22	369.53	1.67	-89.06	-1,847.85	-14,127.40	472.90	222.00	250.89	1.885	
19,800.00	6,840.00	6,733.47	6,732.39	372.23	1.67	-88.90	-1,847.84	-14,127.41	554.92	334.09	220.83	2.513	
19,900.00	6,840.00	6,732.65	6,731.57	374.94	1.67	-88.74	-1,847.84	-14,127.42	642.06	444.95	197.10	3.257	
20,000.00	6,840.00	6,731.83	6,730.74	377.64	1.67	-88.58	-1,847.83	-14,127.42	732.49	554.11	178.38	4.106	
20,100.00	6,840.00	6,731.00	6,729.92	380.34	1.67	-88.42	-1,847.83	-14,127.43	825.13	661.69	163.44	5.048	
20,200.00	6,840.00	6,730.18	6,729.10	383.04	1.67	-88.26	-1,847.82	-14,127.44	919.31	767.95	151.36	6.074	
20,300.00	6,840.00	6,729.36	6,728.28	385.74	1.67	-88.10	-1,847.82	-14,127.44	1,014.61	873.16	141.44	7.173	
20,400.00	6,840.00	6,728.54	6,727.46	388.44	1.67	-87.94	-1,847.81	-14,127.45	1,110.73	977.53	133.20	8.339	
20,500.00	6,840.00	6,727.72	6,726.64	391.14	1.67	-87.78	-1,847.81	-14,127.46	1,207.48	1,081.23	126.26	9.564	
20,552.28	6,840.00	6,727.29	6,726.21	392.56	1.67	-87.69	-1,847.80	-14,127.46	1,258.26	1,135.21	123.05	10.225	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER PM G 27-14 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,600.00	6,840.00	6,742.14	6,741.83	79.51	2.06	-160.27	-1,565.70	-13,302.98	9,905.46	9,862.03	43.44	228.040		
8,700.00	6,840.00	6,741.98	6,741.67	81.72	2.06	-160.11	-1,565.70	-13,302.99	9,805.46	9,762.01	43.46	225.642		
8,800.00	6,840.00	6,741.83	6,741.52	83.95	2.06	-159.95	-1,565.69	-13,302.99	9,705.46	9,661.99	43.47	223.243		
8,900.00	6,840.00	6,741.67	6,741.36	86.22	2.06	-159.79	-1,565.69	-13,302.99	9,605.47	9,561.97	43.49	220.844		
9,000.00	6,840.00	6,741.51	6,741.21	88.51	2.06	-159.62	-1,565.69	-13,302.99	9,505.47	9,461.95	43.51	218.444		
9,100.00	6,840.00	6,741.36	6,741.05	90.83	2.06	-159.45	-1,565.69	-13,302.99	9,405.47	9,361.93	43.53	216.044		
9,200.00	6,840.00	6,741.20	6,740.89	93.16	2.06	-159.28	-1,565.69	-13,302.99	9,305.47	9,261.91	43.56	213.644		
9,300.00	6,840.00	6,741.04	6,740.73	95.52	2.06	-159.10	-1,565.69	-13,302.99	9,205.47	9,161.89	43.58	211.244		
9,400.00	6,840.00	6,740.88	6,740.57	97.90	2.06	-158.92	-1,565.69	-13,302.99	9,105.47	9,061.87	43.60	208.843		
9,500.00	6,840.00	6,740.72	6,740.42	100.30	2.06	-158.74	-1,565.69	-13,302.99	9,005.47	8,961.84	43.62	206.443		
9,600.00	6,840.00	6,740.57	6,740.26	102.72	2.06	-158.55	-1,565.69	-13,302.99	8,905.47	8,861.82	43.65	204.042		
9,700.00	6,840.00	6,740.41	6,740.10	105.15	2.06	-158.36	-1,565.69	-13,302.99	8,805.47	8,761.80	43.67	201.642		
9,800.00	6,840.00	6,740.25	6,739.94	107.59	2.06	-158.17	-1,565.68	-13,302.99	8,705.47	8,661.77	43.69	199.242		
9,900.00	6,840.00	6,740.08	6,739.78	110.05	2.06	-157.97	-1,565.68	-13,302.99	8,605.47	8,561.75	43.72	196.843		
10,000.00	6,840.00	6,739.92	6,739.61	112.52	2.06	-157.77	-1,565.68	-13,302.99	8,505.47	8,461.72	43.74	194.444		
10,100.00	6,840.00	6,739.76	6,739.45	115.00	2.06	-157.56	-1,565.68	-13,302.99	8,405.47	8,361.70	43.77	192.045		
10,200.00	6,840.00	6,739.60	6,739.29	117.50	2.06	-157.35	-1,565.68	-13,302.99	8,305.47	8,261.67	43.79	189.647		
10,300.00	6,840.00	6,739.44	6,739.13	120.00	2.06	-157.13	-1,565.68	-13,302.99	8,205.47	8,161.65	43.82	187.250		
10,400.00	6,840.00	6,739.27	6,738.97	122.51	2.06	-156.91	-1,565.68	-13,302.99	8,105.47	8,061.62	43.85	184.854		
10,500.00	6,840.00	6,739.11	6,738.80	125.04	2.06	-156.69	-1,565.68	-13,302.99	8,005.47	7,961.59	43.88	182.459		
10,600.00	6,840.00	6,738.95	6,738.64	127.57	2.06	-156.46	-1,565.68	-13,302.99	7,905.47	7,861.56	43.90	180.064		
10,700.00	6,840.00	6,738.78	6,738.47	130.11	2.06	-156.23	-1,565.68	-13,302.99	7,805.47	7,761.54	43.93	177.671		
10,800.00	6,840.00	6,738.62	6,738.31	132.66	2.06	-155.99	-1,565.67	-13,302.99	7,705.47	7,661.51	43.96	175.279		
10,900.00	6,840.00	6,738.45	6,738.14	135.21	2.06	-155.74	-1,565.67	-13,302.99	7,605.47	7,561.48	43.99	172.888		
11,000.00	6,840.00	6,738.29	6,737.98	137.77	2.06	-155.49	-1,565.67	-13,302.99	7,505.47	7,461.45	44.02	170.499		
11,100.00	6,840.00	6,738.12	6,737.81	140.34	2.06	-155.23	-1,565.67	-13,302.99	7,405.47	7,361.42	44.05	168.111		
11,200.00	6,840.00	6,737.95	6,737.64	142.91	2.06	-154.97	-1,565.67	-13,302.99	7,305.47	7,261.39	44.08	165.724		
11,300.00	6,840.00	6,737.78	6,737.48	145.49	2.06	-154.70	-1,565.67	-13,302.99	7,205.47	7,161.36	44.11	163.340		
11,400.00	6,840.00	6,737.62	6,737.31	148.07	2.06	-154.43	-1,565.67	-13,302.99	7,105.47	7,061.32	44.15	160.956		
11,500.00	6,840.00	6,737.45	6,737.14	150.66	2.06	-154.14	-1,565.67	-13,302.99	7,005.47	6,961.29	44.18	158.575		
11,600.00	6,840.00	6,737.28	6,736.97	153.25	2.06	-153.85	-1,565.67	-13,302.99	6,905.47	6,861.26	44.21	156.196		
11,700.00	6,840.00	6,737.11	6,736.80	155.85	2.06	-153.56	-1,565.67	-13,302.99	6,805.47	6,761.23	44.24	153.818		
11,800.00	6,840.00	6,736.94	6,736.63	158.45	2.06	-153.26	-1,565.66	-13,302.99	6,705.47	6,661.19	44.28	151.443		
11,900.00	6,840.00	6,736.77	6,736.46	161.06	2.06	-152.95	-1,565.66	-13,302.99	6,605.47	6,561.16	44.31	149.069		
12,000.00	6,840.00	6,736.60	6,736.29	163.67	2.06	-152.63	-1,565.66	-13,302.99	6,505.47	6,461.13	44.35	146.698		
12,100.00	6,840.00	6,736.43	6,736.12	166.28	2.06	-152.30	-1,565.66	-13,303.00	6,405.47	6,361.09	44.38	144.330		
12,200.00	6,840.00	6,736.26	6,735.95	168.90	2.06	-151.97	-1,565.66	-13,303.00	6,305.47	6,261.06	44.42	141.963		
12,300.00	6,840.00	6,736.08	6,735.77	171.52	2.06	-151.62	-1,565.66	-13,303.00	6,205.47	6,161.02	44.45	139.599		
12,400.00	6,840.00	6,735.91	6,735.60	174.15	2.06	-151.27	-1,565.66	-13,303.00	6,105.47	6,060.98	44.49	137.238		
12,500.00	6,840.00	6,735.74	6,735.43	176.77	2.06	-150.91	-1,565.66	-13,303.00	6,005.47	5,960.95	44.52	134.879		
12,600.00	6,840.00	6,735.56	6,735.25	179.40	2.06	-150.54	-1,565.66	-13,303.00	5,905.47	5,860.91	44.56	132.523		
12,700.00	6,840.00	6,735.39	6,735.08	182.04	2.06	-150.16	-1,565.66	-13,303.00	5,805.47	5,760.87	44.60	130.169		
12,800.00	6,840.00	6,735.21	6,734.90	184.67	2.06	-149.77	-1,565.65	-13,303.00	5,705.47	5,660.84	44.64	127.819		
12,900.00	6,840.00	6,735.04	6,734.73	187.31	2.06	-149.36	-1,565.65	-13,303.00	5,605.47	5,560.80	44.68	125.471		
13,000.00	6,840.00	6,734.86	6,734.55	189.95	2.06	-148.95	-1,565.65	-13,303.00	5,505.47	5,460.76	44.71	123.126		
13,100.00	6,840.00	6,734.68	6,734.38	192.59	2.06	-148.53	-1,565.65	-13,303.00	5,405.47	5,360.72	44.75	120.785		
13,200.00	6,840.00	6,734.51	6,734.20	195.24	2.06	-148.09	-1,565.65	-13,303.00	5,305.47	5,260.68	44.79	118.446		
13,300.00	6,840.00	6,734.33	6,734.02	197.88	2.06	-147.64	-1,565.65	-13,303.00	5,205.47	5,160.64	44.83	116.111		
13,400.00	6,840.00	6,734.15	6,733.84	200.53	2.06	-147.18	-1,565.65	-13,303.00	5,105.47	5,060.60	44.87	113.779		
13,500.00	6,840.00	6,733.97	6,733.66	203.18	2.06	-146.70	-1,565.65	-13,303.00	5,005.47	4,960.56	44.91	111.450		
13,600.00	6,840.00	6,733.79	6,733.48	205.83	2.06	-146.21	-1,565.65	-13,303.00	4,905.48	4,860.52	44.95	109.125		
13,700.00	6,840.00	6,733.61	6,733.31	208.49	2.06	-145.71	-1,565.65	-13,303.00	4,805.48	4,760.48	44.99	106.803		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER PM G 27-14 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,840.00	6,733.43	6,733.12	211.14	2.06	-145.19	-1,565.64	-13,303.00	4,705.48	4,660.44	45.04	104.485		
13,900.00	6,840.00	6,733.25	6,732.94	213.80	2.06	-144.65	-1,565.64	-13,303.00	4,605.48	4,560.40	45.08	102.170		
14,000.00	6,840.00	6,733.07	6,732.76	216.46	2.06	-144.10	-1,565.64	-13,303.00	4,505.48	4,460.36	45.12	99.859		
14,100.00	6,840.00	6,732.89	6,732.58	219.12	2.06	-143.53	-1,565.64	-13,303.00	4,405.48	4,360.32	45.16	97.552		
14,200.00	6,840.00	6,732.71	6,732.40	221.78	2.06	-142.95	-1,565.64	-13,303.00	4,305.48	4,260.27	45.20	95.249		
14,300.00	6,840.00	6,732.52	6,732.21	224.45	2.06	-142.34	-1,565.64	-13,303.00	4,205.48	4,160.23	45.24	92.949		
14,400.00	6,840.00	6,732.34	6,732.03	227.11	2.05	-141.72	-1,565.64	-13,303.00	4,105.48	4,060.19	45.29	90.653		
14,500.00	6,840.00	6,732.16	6,731.85	229.78	2.05	-141.07	-1,565.64	-13,303.00	4,005.48	3,960.15	45.33	88.362		
14,600.00	6,840.00	6,731.97	6,731.66	232.45	2.05	-140.41	-1,565.64	-13,303.00	3,905.48	3,860.10	45.37	86.074		
14,700.00	6,840.00	6,731.78	6,731.48	235.12	2.05	-139.72	-1,565.64	-13,303.00	3,805.48	3,760.06	45.42	83.791		
14,800.00	6,840.00	6,731.60	6,731.29	237.79	2.05	-139.01	-1,565.63	-13,303.00	3,705.48	3,660.02	45.46	81.512		
14,900.00	6,840.00	6,731.41	6,731.10	240.46	2.05	-138.28	-1,565.63	-13,303.00	3,605.48	3,559.98	45.50	79.237		
15,000.00	6,840.00	6,731.23	6,730.92	243.13	2.05	-137.52	-1,565.63	-13,303.01	3,505.48	3,459.93	45.55	76.966		
15,100.00	6,840.00	6,731.04	6,730.73	245.80	2.05	-136.74	-1,565.63	-13,303.01	3,405.48	3,359.89	45.59	74.700		
15,200.00	6,840.00	6,730.85	6,730.54	248.48	2.05	-135.94	-1,565.63	-13,303.01	3,305.48	3,259.85	45.63	72.438		
15,300.00	6,840.00	6,730.66	6,730.35	251.15	2.05	-135.10	-1,565.63	-13,303.01	3,205.48	3,159.81	45.67	70.181		
15,400.00	6,840.00	6,730.47	6,730.16	253.83	2.05	-134.24	-1,565.63	-13,303.01	3,105.48	3,059.76	45.72	67.928		
15,500.00	6,840.00	6,730.28	6,729.97	256.51	2.05	-133.35	-1,565.63	-13,303.01	3,005.48	2,959.72	45.76	65.680		
15,600.00	6,840.00	6,730.09	6,729.78	259.19	2.05	-132.42	-1,565.63	-13,303.01	2,905.48	2,859.68	45.80	63.436		
15,700.00	6,840.00	6,729.90	6,729.59	261.87	2.05	-131.47	-1,565.62	-13,303.01	2,805.48	2,759.64	45.84	61.197		
15,800.00	6,840.00	6,729.71	6,729.40	264.55	2.05	-130.48	-1,565.62	-13,303.01	2,705.48	2,659.60	45.88	58.963		
15,900.00	6,840.00	6,729.51	6,729.21	267.23	2.05	-129.46	-1,565.62	-13,303.01	2,605.48	2,559.56	45.92	56.734		
16,000.00	6,840.00	6,729.32	6,729.01	269.91	2.05	-128.41	-1,565.62	-13,303.01	2,505.48	2,459.52	45.96	54.509		
16,100.00	6,840.00	6,729.13	6,728.82	272.59	2.05	-127.32	-1,565.62	-13,303.01	2,405.48	2,359.48	46.00	52.290		
16,200.00	6,840.00	6,728.93	6,728.62	275.28	2.05	-126.19	-1,565.62	-13,303.01	2,305.48	2,259.44	46.04	50.075		
16,300.00	6,840.00	6,728.74	6,728.43	277.96	2.05	-125.03	-1,565.62	-13,303.01	2,205.49	2,159.41	46.08	47.865		
16,400.00	6,840.00	6,728.54	6,728.23	280.64	2.05	-123.83	-1,565.62	-13,303.01	2,105.49	2,059.37	46.11	45.661		
16,500.00	6,840.00	6,728.35	6,728.04	283.33	2.05	-122.59	-1,565.62	-13,303.01	2,005.49	1,959.34	46.14	43.461		
16,600.00	6,840.00	6,728.15	6,727.84	286.02	2.05	-121.31	-1,565.62	-13,303.01	1,905.49	1,859.31	46.18	41.266		
16,700.00	6,840.00	6,727.95	6,727.64	288.70	2.05	-119.98	-1,565.61	-13,303.01	1,805.49	1,759.29	46.20	39.077		
16,800.00	6,840.00	6,727.75	6,727.45	291.39	2.05	-118.62	-1,565.61	-13,303.01	1,705.49	1,659.26	46.23	36.893		
16,900.00	6,840.00	6,727.55	6,727.25	294.08	2.05	-117.22	-1,565.61	-13,303.01	1,605.49	1,559.24	46.25	34.714		
17,000.00	6,840.00	6,727.36	6,727.05	296.77	2.05	-115.77	-1,565.61	-13,303.01	1,505.49	1,459.23	46.27	32.540		
17,100.00	6,840.00	6,727.16	6,726.85	299.46	2.05	-114.28	-1,565.61	-13,303.01	1,405.49	1,359.22	46.28	30.372		
17,200.00	6,840.00	6,726.96	6,726.65	302.14	2.05	-112.76	-1,565.61	-13,303.01	1,305.49	1,259.21	46.28	28.209		
17,300.00	6,840.00	6,726.75	6,726.45	304.84	2.05	-111.19	-1,565.61	-13,303.01	1,205.49	1,159.22	46.27	26.052		
17,400.00	6,840.00	6,726.55	6,726.24	307.53	2.05	-109.58	-1,565.61	-13,303.01	1,105.50	1,059.24	46.26	23.899		
17,500.00	6,840.00	6,726.35	6,726.04	310.22	2.05	-107.93	-1,565.61	-13,303.01	1,005.50	959.27	46.22	21.753		
17,600.00	6,840.00	6,726.15	6,725.84	312.91	2.05	-106.25	-1,565.60	-13,303.02	905.50	859.33	46.17	19.611		
17,700.00	6,840.00	6,725.94	6,725.63	315.60	2.05	-104.53	-1,565.60	-13,303.02	805.50	759.41	46.09	17.475		
17,800.00	6,840.00	6,725.74	6,725.43	318.29	2.05	-102.77	-1,565.60	-13,303.02	705.51	659.53	45.98	15.345		
17,900.00	6,840.00	6,725.53	6,725.22	320.99	2.05	-100.99	-1,565.60	-13,303.02	605.51	559.71	45.81	13.219		
18,000.00	6,840.00	6,725.33	6,725.02	323.68	2.05	-99.18	-1,565.60	-13,303.02	505.52	459.97	45.55	11.099		
18,100.00	6,840.00	6,725.12	6,724.81	326.38	2.05	-97.34	-1,565.60	-13,303.02	405.53	360.38	45.14	8.983		
18,200.00	6,840.00	6,724.91	6,724.60	329.07	2.05	-95.48	-1,565.60	-13,303.02	305.55	261.07	44.48	6.869		
18,300.00	6,840.00	6,724.70	6,724.40	331.77	2.05	-93.60	-1,565.60	-13,303.02	205.58	162.31	43.27	4.751		
18,400.00	6,840.00	6,724.50	6,724.19	334.46	2.05	-91.71	-1,565.60	-13,303.02	105.67	64.63	41.04	2.575		
18,500.00	6,840.00	6,724.29	6,723.98	337.16	2.05	-89.80	-1,565.59	-13,303.02	8.35	-232.48	240.82	0.035 Level 1		
18,505.48	6,840.00	6,724.28	6,723.97	337.30	2.05	-89.70	-1,565.59	-13,303.02	6.29	-332.17	338.47	0.019 Level 1, CC, ES, SF		
18,600.00	6,840.00	6,724.08	6,723.77	339.85	2.05	-87.89	-1,565.59	-13,303.02	94.73	31.93	62.79	1.509		
18,700.00	6,840.00	6,723.87	6,723.56	342.55	2.05	-85.98	-1,565.59	-13,303.02	194.62	139.97	54.65	3.561		
18,800.00	6,840.00	6,723.66	6,723.35	345.25	2.05	-84.07	-1,565.59	-13,303.02	294.59	242.25	52.33	5.629		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER PM G 27-14 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,900.00	6,840.00	6,723.44	6,723.13	347.94	2.05	-82.16	-1,565.59	-13,303.02	394.57	343.29	51.28	7.694	
19,000.00	6,840.00	6,723.23	6,722.92	350.64	2.05	-80.27	-1,565.59	-13,303.02	494.56	443.86	50.70	9.754	
19,100.00	6,840.00	6,723.02	6,722.71	353.34	2.05	-78.39	-1,565.59	-13,303.02	594.55	544.20	50.35	11.808	
19,200.00	6,840.00	6,722.80	6,722.49	356.04	2.05	-76.53	-1,565.59	-13,303.02	694.55	644.42	50.12	13.856	
19,300.00	6,840.00	6,722.59	6,722.28	358.74	2.05	-74.69	-1,565.59	-13,303.02	794.54	744.57	49.98	15.899	
19,400.00	6,840.00	6,722.37	6,722.06	361.44	2.05	-72.87	-1,565.58	-13,303.02	894.54	844.66	49.88	17.935	
19,500.00	6,840.00	6,722.16	6,721.85	364.13	2.05	-71.09	-1,565.58	-13,303.02	994.54	944.72	49.81	19.965	
19,600.00	6,840.00	6,721.94	6,721.63	366.83	2.05	-69.33	-1,565.58	-13,303.02	1,094.53	1,044.76	49.78	21.989	
19,700.00	6,840.00	6,721.72	6,721.41	369.53	2.05	-67.61	-1,565.58	-13,303.02	1,194.53	1,144.77	49.76	24.006	
19,800.00	6,840.00	6,721.50	6,721.19	372.23	2.05	-65.92	-1,565.58	-13,303.03	1,294.53	1,244.78	49.76	26.018	
19,900.00	6,840.00	6,721.28	6,720.97	374.94	2.05	-64.27	-1,565.58	-13,303.03	1,394.53	1,344.77	49.76	28.023	
20,000.00	6,840.00	6,721.06	6,720.75	377.64	2.05	-62.66	-1,565.58	-13,303.03	1,494.53	1,444.75	49.78	30.023	
20,100.00	6,840.00	6,720.84	6,720.53	380.34	2.05	-61.09	-1,565.58	-13,303.03	1,594.53	1,544.72	49.80	32.016	
20,200.00	6,840.00	6,720.62	6,720.31	383.04	2.05	-59.56	-1,565.58	-13,303.03	1,694.53	1,644.69	49.84	34.003	
20,300.00	6,840.00	6,720.40	6,720.09	385.74	2.05	-58.07	-1,565.57	-13,303.03	1,794.53	1,744.65	49.87	35.983	
20,400.00	6,840.00	6,720.18	6,719.87	388.44	2.05	-56.62	-1,565.57	-13,303.03	1,894.53	1,844.61	49.91	37.957	
20,500.00	6,840.00	6,719.95	6,719.64	391.14	2.05	-55.22	-1,565.57	-13,303.03	1,994.52	1,944.57	49.96	39.926	
20,552.28	6,840.00	6,719.84	6,719.53	392.56	2.05	-54.50	-1,565.57	-13,303.03	2,046.80	1,996.82	49.98	40.952	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER R G 27-13 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,100.00	6,840.00	6,848.31	6,847.93	115.00	1.91	115.73	-1,358.94	-14,859.84	9,965.58	9,920.49	45.09	221.020		
10,200.00	6,840.00	6,847.32	6,846.94	117.50	1.91	115.49	-1,358.92	-14,859.85	9,865.61	9,820.45	45.16	218.461		
10,300.00	6,840.00	6,846.33	6,845.95	120.00	1.91	115.25	-1,358.90	-14,859.85	9,765.63	9,720.40	45.23	215.904		
10,400.00	6,840.00	6,845.34	6,844.96	122.51	1.91	115.01	-1,358.88	-14,859.86	9,665.65	9,620.35	45.30	213.347		
10,500.00	6,840.00	6,844.36	6,843.97	125.04	1.91	114.76	-1,358.86	-14,859.87	9,565.68	9,520.30	45.38	210.791		
10,600.00	6,840.00	6,843.37	6,842.99	127.57	1.91	114.52	-1,358.84	-14,859.88	9,465.70	9,420.25	45.46	208.237		
10,700.00	6,840.00	6,842.39	6,842.01	130.11	1.91	114.28	-1,358.82	-14,859.89	9,365.73	9,320.19	45.53	205.684		
10,800.00	6,840.00	6,841.41	6,841.03	132.66	1.91	114.03	-1,358.80	-14,859.90	9,265.75	9,220.14	45.61	203.132		
10,900.00	6,840.00	6,840.44	6,840.06	135.21	1.91	113.79	-1,358.78	-14,859.91	9,165.78	9,120.09	45.70	200.582		
11,000.00	6,840.00	6,839.46	6,839.08	137.77	1.91	113.54	-1,358.76	-14,859.92	9,065.81	9,020.03	45.78	198.034		
11,100.00	6,840.00	6,838.49	6,838.11	140.34	1.91	113.30	-1,358.74	-14,859.92	8,965.84	8,919.97	45.86	195.487		
11,200.00	6,840.00	6,837.52	6,837.14	142.91	1.91	113.05	-1,358.73	-14,859.93	8,865.86	8,819.91	45.95	192.942		
11,300.00	6,840.00	6,836.55	6,836.17	145.49	1.91	112.81	-1,358.71	-14,859.94	8,765.89	8,719.85	46.04	190.399		
11,400.00	6,840.00	6,835.58	6,835.20	148.07	1.91	112.56	-1,358.69	-14,859.95	8,665.92	8,619.79	46.13	187.858		
11,500.00	6,840.00	6,834.62	6,834.24	150.66	1.91	112.31	-1,358.67	-14,859.96	8,565.95	8,519.73	46.22	185.320		
11,600.00	6,840.00	6,833.66	6,833.28	153.25	1.91	112.07	-1,358.65	-14,859.97	8,465.98	8,419.66	46.32	182.783		
11,700.00	6,840.00	6,832.69	6,832.32	155.85	1.91	111.82	-1,358.63	-14,859.97	8,366.01	8,319.60	46.41	180.249		
11,800.00	6,840.00	6,831.74	6,831.36	158.45	1.91	111.57	-1,358.61	-14,859.98	8,266.04	8,219.53	46.51	177.718		
11,900.00	6,840.00	6,830.78	6,830.40	161.06	1.91	111.33	-1,358.60	-14,859.99	8,166.07	8,119.46	46.61	175.189		
12,000.00	6,840.00	6,829.82	6,829.45	163.67	1.91	111.08	-1,358.58	-14,860.00	8,066.11	8,019.39	46.72	172.662		
12,100.00	6,840.00	6,828.87	6,828.49	166.28	1.91	110.83	-1,358.56	-14,860.01	7,966.14	7,919.32	46.82	170.139		
12,200.00	6,840.00	6,827.92	6,827.54	168.90	1.91	110.58	-1,358.54	-14,860.02	7,866.17	7,819.24	46.93	167.618		
12,300.00	6,840.00	6,826.97	6,826.59	171.52	1.91	110.33	-1,358.52	-14,860.02	7,766.21	7,719.17	47.04	165.100		
12,400.00	6,840.00	6,826.02	6,825.65	174.15	1.91	110.08	-1,358.50	-14,860.03	7,666.24	7,619.09	47.15	162.585		
12,500.00	6,840.00	6,825.08	6,824.70	176.77	1.91	109.83	-1,358.49	-14,860.04	7,566.28	7,519.01	47.27	160.074		
12,600.00	6,840.00	6,824.13	6,823.76	179.40	1.91	109.58	-1,358.47	-14,860.05	7,466.32	7,418.93	47.39	157.566		
12,700.00	6,840.00	6,823.19	6,822.82	182.04	1.91	109.33	-1,358.45	-14,860.06	7,366.36	7,318.85	47.51	155.061		
12,800.00	6,840.00	6,822.25	6,821.88	184.67	1.91	109.08	-1,358.43	-14,860.06	7,266.39	7,218.76	47.63	152.559		
12,900.00	6,840.00	6,821.32	6,820.94	187.31	1.91	108.83	-1,358.42	-14,860.07	7,166.43	7,118.68	47.76	150.061		
13,000.00	6,840.00	6,820.38	6,820.00	189.95	1.91	108.58	-1,358.40	-14,860.08	7,066.48	7,018.59	47.89	147.567		
13,100.00	6,840.00	6,819.45	6,819.07	192.59	1.91	108.33	-1,358.38	-14,860.09	6,966.52	6,918.50	48.02	145.076		
13,200.00	6,840.00	6,818.51	6,818.14	195.24	1.91	108.08	-1,358.36	-14,860.10	6,866.56	6,818.41	48.16	142.590		
13,300.00	6,840.00	6,817.58	6,817.21	197.88	1.91	107.83	-1,358.34	-14,860.10	6,766.61	6,718.31	48.30	140.107		
13,400.00	6,840.00	6,816.66	6,816.28	200.53	1.91	107.58	-1,358.33	-14,860.11	6,666.65	6,618.21	48.44	137.628		
13,500.00	6,840.00	6,815.73	6,815.35	203.18	1.91	107.33	-1,358.31	-14,860.12	6,566.70	6,518.11	48.59	135.153		
13,600.00	6,840.00	6,814.81	6,814.43	205.83	1.91	107.08	-1,358.29	-14,860.13	6,466.75	6,418.01	48.74	132.683		
13,700.00	6,840.00	6,813.88	6,813.51	208.49	1.91	106.83	-1,358.28	-14,860.14	6,366.80	6,317.90	48.89	130.217		
13,800.00	6,840.00	6,812.96	6,812.59	211.14	1.91	106.58	-1,358.26	-14,860.14	6,266.85	6,217.79	49.05	127.755		
13,900.00	6,840.00	13,900.00	6,787.83	213.80	3.69	99.61	-1,357.82	-14,860.31	6,166.90	6,117.56	49.34	124.984		
14,000.00	6,840.00	6,819.13	6,818.75	216.46	1.91	108.25	-1,358.38	-14,860.08	6,066.95	6,017.59	49.36	122.916		
14,100.00	6,840.00	6,817.34	6,816.96	219.12	1.91	107.77	-1,358.34	-14,860.10	5,967.00	5,917.47	49.53	120.461		
14,200.00	6,840.00	6,815.60	6,815.22	221.78	1.91	107.29	-1,358.31	-14,860.11	5,867.06	5,817.35	49.72	118.010		
14,300.00	6,840.00	6,813.90	6,813.52	224.45	1.91	106.83	-1,358.28	-14,860.13	5,767.12	5,717.22	49.90	115.565		
14,400.00	6,840.00	6,812.24	6,811.87	227.11	1.91	106.38	-1,358.25	-14,860.15	5,667.19	5,617.09	50.10	113.125		
14,500.00	6,840.00	6,810.63	6,810.26	229.78	1.91	105.94	-1,358.21	-14,860.16	5,567.25	5,516.96	50.30	110.691		
14,600.00	6,840.00	6,809.06	6,808.68	232.45	1.91	105.50	-1,358.19	-14,860.18	5,467.32	5,416.82	50.50	108.262		
14,700.00	6,840.00	6,807.52	6,807.15	235.12	1.91	105.08	-1,358.16	-14,860.19	5,367.39	5,316.67	50.71	105.839		
14,800.00	6,840.00	6,806.03	6,805.65	237.79	1.91	104.66	-1,358.13	-14,860.20	5,267.46	5,216.52	50.93	103.421		
14,900.00	6,840.00	6,804.57	6,804.19	240.46	1.91	104.26	-1,358.10	-14,860.22	5,167.53	5,116.37	51.16	101.010		
15,000.00	6,840.00	6,803.14	6,802.77	243.13	1.91	103.86	-1,358.08	-14,860.23	5,067.61	5,016.21	51.39	98.604		
15,100.00	6,840.00	6,801.75	6,801.38	245.80	1.91	103.47	-1,358.05	-14,860.24	4,967.69	4,916.05	51.64	96.205		
15,200.00	6,840.00	6,800.39	6,800.02	248.48	1.91	103.08	-1,358.02	-14,860.25	4,867.77	4,815.88	51.89	93.812		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER R G 27-13 GYRO - OWB - GYRO													Offset Site Error: 0.00 usft	
Survey Program: 100-GYD_CT													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,300.00	6,840.00	6,799.06	6,798.69	251.15	1.91	102.71	-1,358.00	-14,860.26	4,767.85	4,715.70	52.15	91.425		
15,400.00	6,840.00	6,797.76	6,797.39	253.83	1.91	102.34	-1,357.98	-14,860.27	4,667.94	4,615.52	52.42	89.044		
15,500.00	6,840.00	6,796.50	6,796.12	256.51	1.91	101.98	-1,357.95	-14,860.28	4,568.03	4,515.33	52.71	86.671		
15,600.00	6,840.00	6,795.26	6,794.88	259.19	1.91	101.63	-1,357.93	-14,860.29	4,468.13	4,415.13	53.00	84.304		
15,700.00	6,840.00	6,794.04	6,793.67	261.87	1.91	101.28	-1,357.91	-14,860.30	4,368.23	4,314.92	53.31	81.944		
15,800.00	6,840.00	6,792.85	6,792.48	264.55	1.91	100.94	-1,357.89	-14,860.31	4,268.33	4,214.71	53.63	79.591		
15,900.00	6,840.00	6,791.69	6,791.32	267.23	1.91	100.61	-1,357.87	-14,860.32	4,168.44	4,114.48	53.96	77.245		
16,000.00	6,840.00	6,790.56	6,790.19	269.91	1.91	100.29	-1,357.84	-14,860.33	4,068.56	4,014.24	54.31	74.907		
16,100.00	6,840.00	6,789.44	6,789.07	272.59	1.91	99.97	-1,357.82	-14,860.34	3,968.68	3,914.00	54.68	72.577		
16,200.00	6,840.00	6,788.35	6,787.98	275.28	1.91	99.65	-1,357.80	-14,860.35	3,868.80	3,813.74	55.07	70.254		
16,300.00	6,840.00	6,787.29	6,786.92	277.96	1.91	99.35	-1,357.79	-14,860.36	3,768.94	3,713.46	55.47	67.940		
16,400.00	6,840.00	6,786.24	6,785.87	280.64	1.91	99.04	-1,357.77	-14,860.36	3,669.08	3,613.17	55.90	65.634		
16,500.00	6,840.00	6,785.22	6,784.85	283.33	1.91	98.75	-1,357.75	-14,860.37	3,569.22	3,512.87	56.35	63.337		
16,600.00	6,840.00	6,784.21	6,783.84	286.02	1.91	98.46	-1,357.73	-14,860.38	3,469.38	3,412.55	56.83	61.049		
16,700.00	6,840.00	6,783.23	6,782.86	288.70	1.91	98.17	-1,357.71	-14,860.38	3,369.54	3,312.21	57.33	58.770		
16,800.00	6,840.00	6,782.27	6,781.90	291.39	1.91	97.89	-1,357.70	-14,860.39	3,269.72	3,211.85	57.87	56.502		
16,900.00	6,840.00	6,781.32	6,780.95	294.08	1.91	97.62	-1,357.68	-14,860.40	3,169.90	3,111.47	58.44	54.243		
17,000.00	6,840.00	6,780.39	6,780.02	296.77	1.91	97.35	-1,357.66	-14,860.40	3,070.10	3,011.06	59.05	51.996		
17,100.00	6,840.00	6,779.48	6,779.11	299.46	1.91	97.08	-1,357.65	-14,860.41	2,970.31	2,910.62	59.69	49.760		
17,200.00	6,840.00	6,778.59	6,778.22	302.14	1.91	96.82	-1,357.63	-14,860.42	2,870.54	2,810.15	60.39	47.535		
17,300.00	6,840.00	6,777.71	6,777.35	304.84	1.91	96.57	-1,357.62	-14,860.42	2,770.78	2,709.64	61.13	45.324		
17,400.00	6,840.00	6,776.85	6,776.49	307.53	1.91	96.32	-1,357.60	-14,860.43	2,671.03	2,609.10	61.94	43.126		
17,500.00	6,840.00	6,776.01	6,775.64	310.22	1.91	96.07	-1,357.59	-14,860.43	2,571.31	2,508.51	62.80	40.942		
17,600.00	6,840.00	6,775.18	6,774.81	312.91	1.91	95.83	-1,357.57	-14,860.44	2,471.61	2,407.87	63.74	38.774		
17,700.00	6,840.00	6,774.37	6,774.00	315.60	1.91	95.59	-1,357.56	-14,860.45	2,371.94	2,307.17	64.77	36.623		
17,800.00	6,840.00	6,773.57	6,773.20	318.29	1.91	95.35	-1,357.54	-14,860.45	2,272.29	2,206.41	65.88	34.489		
17,900.00	6,840.00	6,772.78	6,772.42	320.99	1.91	95.12	-1,357.53	-14,860.46	2,172.68	2,105.57	67.11	32.375		
18,000.00	6,840.00	6,772.01	6,771.64	323.68	1.91	94.90	-1,357.52	-14,860.46	2,073.10	2,004.64	68.46	30.282		
18,100.00	6,840.00	6,771.25	6,770.89	326.38	1.91	94.68	-1,357.50	-14,860.47	1,973.56	1,903.61	69.95	28.213		
18,200.00	6,840.00	6,770.51	6,770.14	329.07	1.91	94.46	-1,357.49	-14,860.47	1,874.08	1,802.46	71.62	26.169		
18,300.00	6,840.00	6,769.78	6,769.41	331.77	1.91	94.24	-1,357.48	-14,860.47	1,774.65	1,701.18	73.48	24.153		
18,400.00	6,840.00	6,769.06	6,768.69	334.46	1.91	94.03	-1,357.46	-14,860.48	1,675.29	1,599.72	75.57	22.169		
18,500.00	6,840.00	6,768.35	6,767.98	337.16	1.91	93.82	-1,357.45	-14,860.48	1,576.01	1,498.07	77.94	20.220		
18,600.00	6,840.00	6,767.65	6,767.29	339.85	1.91	93.62	-1,357.44	-14,860.49	1,476.83	1,396.17	80.66	18.310		
18,700.00	6,840.00	6,766.97	6,766.60	342.55	1.91	93.42	-1,357.43	-14,860.49	1,377.77	1,293.98	83.79	16.444		
18,800.00	6,840.00	6,766.30	6,765.93	345.25	1.91	93.22	-1,357.42	-14,860.50	1,278.85	1,191.42	87.42	14.628		
18,900.00	6,840.00	6,765.63	6,765.27	347.94	1.91	93.02	-1,357.41	-14,860.50	1,180.11	1,088.41	91.70	12.869		
19,000.00	6,840.00	6,764.98	6,764.62	350.64	1.91	92.83	-1,357.39	-14,860.50	1,081.60	984.80	96.80	11.174		
19,100.00	6,840.00	6,764.34	6,763.98	353.34	1.91	92.64	-1,357.38	-14,860.51	983.40	880.44	102.95	9.552		
19,200.00	6,840.00	6,763.71	6,763.35	356.04	1.91	92.46	-1,357.37	-14,860.51	885.60	775.08	110.51	8.014		
19,300.00	6,840.00	6,763.09	6,762.72	358.74	1.91	92.28	-1,357.36	-14,860.51	788.34	668.37	119.98	6.571		
19,400.00	6,840.00	6,762.48	6,762.11	361.44	1.91	92.10	-1,357.35	-14,860.52	691.88	559.78	132.09	5.238		
19,500.00	6,840.00	6,761.88	6,761.51	364.13	1.91	91.92	-1,357.34	-14,860.52	596.57	448.53	148.04	4.030		
19,600.00	6,840.00	6,761.28	6,760.92	366.83	1.91	91.74	-1,357.33	-14,860.52	503.09	333.41	169.68	2.965		
19,700.00	6,840.00	6,760.70	6,760.34	369.53	1.91	91.57	-1,357.32	-14,860.53	412.68	212.62	200.06	2.063		
19,800.00	6,840.00	6,760.13	6,759.76	372.23	1.91	91.40	-1,357.31	-14,860.53	327.89	84.13	243.76	1.345 Level 3		
19,900.00	6,840.00	6,759.56	6,759.20	374.94	1.91	91.24	-1,357.30	-14,860.53	254.39	-50.19	304.58	0.835 Level 1		
20,000.00	6,840.00	6,759.00	6,758.64	377.64	1.91	91.07	-1,357.29	-14,860.54	204.73	-162.92	367.64	0.557 Level 1		
20,063.99	6,840.00	6,758.65	6,758.29	379.36	1.91	90.97	-1,357.29	-14,860.54	194.47	-186.02	380.49	0.511 Level 1, CC, ES, SF		
20,100.00	6,840.00	6,758.45	6,758.09	380.34	1.91	90.91	-1,357.28	-14,860.54	197.78	-173.00	370.78	0.533 Level 1		
20,200.00	6,840.00	6,757.91	6,757.55	383.04	1.91	90.75	-1,357.27	-14,860.54	237.31	-64.80	302.11	0.786 Level 1		
20,300.00	6,840.00	6,757.38	6,757.01	385.74	1.91	90.59	-1,357.26	-14,860.55	305.80	75.73	230.07	1.329 Level 3		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - ABND VERT OSTER R G 27-13 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												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
20,400.00	6,840.00	6,756.85	6,756.49	388.44	1.91	90.44	-1,357.26	-14,860.55	388.22	209.68	178.54	2.174	
20,500.00	6,840.00	6,756.34	6,755.97	391.14	1.91	90.29	-1,357.25	-14,860.55	477.40	333.77	143.64	3.324	
20,552.28	6,840.00	6,756.07	6,755.70	392.56	1.91	90.21	-1,357.24	-14,860.55	525.58	395.61	129.97	4.044	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 890-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		
8,600.00	6,840.00	5,041.00	5,035.68	79.51	16.21	67.94	2,617.37	-12,270.66	9,972.49	9,894.31	78.17	127.569		
8,700.00	6,840.00	5,041.00	5,035.68	81.72	16.21	67.94	2,617.37	-12,270.66	9,883.41	9,804.14	79.27	124.680		
8,800.00	6,840.00	5,041.00	5,035.68	83.95	16.21	67.94	2,617.37	-12,270.66	9,794.55	9,714.15	80.40	121.830		
8,900.00	6,840.00	5,041.00	5,035.68	86.22	16.21	67.94	2,617.37	-12,270.66	9,705.90	9,624.35	81.55	119.018		
9,000.00	6,840.00	5,394.26	5,383.87	88.51	17.56	72.33	2,661.42	-12,310.51	9,617.06	9,532.69	84.38	113.979		
9,100.00	6,840.00	5,398.94	5,388.50	90.83	17.58	72.39	2,661.97	-12,310.97	9,528.44	9,442.81	85.63	111.278		
9,200.00	6,840.00	5,403.72	5,393.22	93.16	17.60	72.45	2,662.52	-12,311.44	9,440.04	9,353.13	86.91	108.619		
9,300.00	6,840.00	5,408.61	5,398.05	95.52	17.62	72.51	2,663.09	-12,311.93	9,351.86	9,263.64	88.22	106.000		
9,400.00	6,840.00	5,425.00	5,414.25	97.90	17.68	72.72	2,664.95	-12,313.61	9,263.94	9,174.31	89.63	103.362		
9,500.00	6,840.00	5,425.00	5,414.25	100.30	17.68	72.72	2,664.95	-12,313.61	9,176.23	9,085.25	90.98	100.856		
9,600.00	6,840.00	5,425.00	5,414.25	102.72	17.68	72.72	2,664.95	-12,313.61	9,088.78	8,996.41	92.37	98.391		
9,700.00	6,840.00	5,425.00	5,414.25	105.15	17.68	72.72	2,664.95	-12,313.61	9,001.59	8,907.79	93.80	95.968		
9,800.00	6,840.00	5,425.00	5,414.25	107.59	17.68	72.72	2,664.95	-12,313.61	8,914.67	8,819.41	95.26	93.587		
9,900.00	6,840.00	5,439.37	5,428.44	110.05	17.74	72.90	2,666.56	-12,315.12	8,828.00	8,731.18	96.82	91.181		
10,000.00	6,840.00	5,444.66	5,433.67	112.52	17.76	72.97	2,667.15	-12,315.68	8,741.61	8,643.24	98.37	88.862		
10,100.00	6,840.00	5,450.03	5,438.98	115.00	17.78	73.03	2,667.74	-12,316.26	8,655.52	8,555.56	99.96	86.587		
10,200.00	6,840.00	5,455.49	5,444.37	117.50	17.80	73.10	2,668.35	-12,316.85	8,569.72	8,468.13	101.59	84.354		
10,300.00	6,840.00	5,461.04	5,449.85	120.00	17.82	73.17	2,668.96	-12,317.46	8,484.22	8,380.97	103.26	82.165		
10,400.00	6,840.00	5,466.67	5,455.42	122.51	17.84	73.24	2,669.59	-12,318.08	8,399.04	8,294.08	104.96	80.019		
10,500.00	6,840.00	5,472.40	5,461.07	125.04	17.87	73.32	2,670.22	-12,318.72	8,314.18	8,207.47	106.71	77.915		
10,600.00	6,840.00	5,489.00	5,477.47	127.57	17.93	73.53	2,672.04	-12,320.59	8,229.67	8,121.12	108.55	75.816		
10,700.00	6,840.00	5,489.00	5,477.47	130.11	17.93	73.53	2,672.04	-12,320.59	8,145.47	8,035.13	110.34	73.820		
10,800.00	6,840.00	5,489.00	5,477.47	132.66	17.93	73.53	2,672.04	-12,320.59	8,061.63	7,949.46	112.18	71.865		
10,900.00	6,840.00	5,489.00	5,477.47	135.21	17.93	73.53	2,672.04	-12,320.59	7,978.17	7,864.12	114.05	69.951		
11,000.00	6,840.00	5,489.00	5,477.47	137.77	17.93	73.53	2,672.04	-12,320.59	7,895.09	7,779.12	115.97	68.077		
11,100.00	6,840.00	5,506.72	5,494.96	140.34	18.00	73.75	2,673.97	-12,322.64	7,812.37	7,694.34	118.03	66.190		
11,200.00	6,840.00	5,512.52	5,500.69	142.91	18.02	73.83	2,674.60	-12,323.33	7,730.06	7,610.00	120.07	64.381		
11,300.00	6,840.00	5,518.45	5,506.54	145.49	18.05	73.90	2,675.23	-12,324.04	7,648.17	7,526.02	122.15	62.613		
11,400.00	6,840.00	5,591.15	5,677.17	148.07	18.72	76.11	2,694.37	-12,342.41	7,566.76	7,441.54	125.22	60.428		
11,500.00	6,840.00	11,500.00	5,663.00	150.66	41.98	75.93	2,692.72	-12,341.11	7,485.51	7,337.57	147.94	50.598		
11,600.00	6,840.00	11,600.00	5,672.29	153.25	42.38	76.05	2,693.80	-12,341.98	7,404.73	7,254.22	150.50	49.200		
11,700.00	6,840.00	5,681.00	5,667.13	155.85	18.68	75.98	2,693.20	-12,341.50	7,324.42	7,192.65	131.76	55.588		
11,800.00	6,840.00	5,681.00	5,667.13	158.45	18.68	75.98	2,693.20	-12,341.50	7,244.59	7,110.54	134.06	54.041		
11,900.00	6,840.00	5,681.00	5,667.13	161.06	18.68	75.98	2,693.20	-12,341.50	7,165.28	7,028.88	136.40	52.531		
12,000.00	6,840.00	5,681.00	5,667.13	163.67	18.68	75.98	2,693.20	-12,341.50	7,086.49	6,947.69	138.79	51.057		
12,100.00	6,840.00	5,681.00	5,667.13	166.28	18.68	75.98	2,693.20	-12,341.50	7,008.23	6,867.00	141.24	49.620		
12,200.00	6,840.00	5,681.00	5,667.13	168.90	18.68	75.98	2,693.20	-12,341.50	6,930.54	6,786.81	143.73	48.219		
12,300.00	6,840.00	5,681.00	5,667.13	171.52	18.68	75.98	2,693.20	-12,341.50	6,853.43	6,707.15	146.28	46.852		
12,400.00	6,840.00	5,681.00	5,667.13	174.15	18.68	75.98	2,693.20	-12,341.50	6,776.91	6,628.04	148.87	45.521		
12,500.00	6,840.00	5,681.00	5,667.13	176.77	18.68	75.98	2,693.20	-12,341.50	6,701.02	6,549.49	151.52	44.224		
12,600.00	6,840.00	5,706.25	5,692.09	179.40	18.78	76.31	2,696.21	-12,343.90	6,625.54	6,471.14	154.40	42.911		
12,700.00	6,840.00	5,708.52	5,694.33	182.04	18.79	76.34	2,696.49	-12,344.13	6,550.91	6,393.73	157.18	41.679		
12,800.00	6,840.00	5,710.83	5,696.61	184.67	18.80	76.37	2,696.78	-12,344.37	6,476.95	6,316.94	160.01	40.479		
12,900.00	6,840.00	5,713.18	5,698.93	187.31	18.81	76.40	2,697.07	-12,344.61	6,403.70	6,240.81	162.89	39.313		
13,000.00	6,840.00	5,715.58	5,701.29	189.95	18.82	76.43	2,697.37	-12,344.86	6,331.17	6,165.34	165.83	38.178		
13,100.00	6,840.00	5,718.02	5,703.70	192.59	18.83	76.46	2,697.68	-12,345.11	6,259.40	6,090.58	168.83	37.076		
13,200.00	6,840.00	5,720.50	5,706.15	195.24	18.84	76.49	2,698.00	-12,345.38	6,188.41	6,016.53	171.88	36.005		
13,300.00	6,840.00	5,745.00	5,730.28	197.88	18.93	76.81	2,701.24	-12,348.09	6,118.39	5,943.24	175.16	34.931		
13,400.00	6,840.00	5,745.00	5,730.28	200.53	18.93	76.81	2,701.24	-12,348.09	6,049.01	5,870.71	178.30	33.926		
13,500.00	6,840.00	5,745.00	5,730.28	203.18	18.93	76.81	2,701.24	-12,348.09	5,980.49	5,798.99	181.50	32.950		
13,600.00	6,840.00	5,745.00	5,730.28	205.83	18.93	76.81	2,701.24	-12,348.09	5,912.86	5,728.11	184.75	32.004		
13,700.00	6,840.00	6,962.00	6,940.62	208.49	23.36	92.79	2,765.34	-12,398.72	5,845.37	5,650.93	194.44	30.062		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ ANDERSON 2-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 890-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	6,840.00	6,962.00	6,940.62	211.14	23.36	92.79	2,765.34	-12,398.72	5,778.75	5,580.85	197.90	29.201		
13,900.00	6,840.00	6,962.00	6,940.62	213.80	23.36	92.79	2,765.34	-12,398.72	5,713.10	5,511.69	201.41	28.366		
14,000.00	6,840.00	6,962.00	6,940.62	216.46	23.36	92.79	2,765.34	-12,398.72	5,648.46	5,443.48	204.97	27.557		
14,100.00	6,840.00	6,962.00	6,940.62	219.12	23.36	92.79	2,765.34	-12,398.72	5,584.86	5,376.26	208.59	26.774		
14,200.00	6,840.00	6,962.00	6,940.62	221.78	23.36	92.79	2,765.34	-12,398.72	5,522.33	5,310.07	212.26	26.017		
14,300.00	6,840.00	6,962.00	6,940.62	224.45	23.36	92.79	2,765.34	-12,398.72	5,460.93	5,244.95	215.98	25.285		
14,400.00	6,840.00	6,962.00	6,940.62	227.11	23.36	92.79	2,765.34	-12,398.72	5,400.67	5,180.93	219.74	24.577		
14,500.00	6,840.00	6,962.00	6,940.62	229.78	23.36	92.79	2,765.34	-12,398.72	5,341.61	5,118.06	223.55	23.894		
14,600.00	6,840.00	6,962.00	6,940.62	232.45	23.36	92.79	2,765.34	-12,398.72	5,283.79	5,056.38	227.40	23.235		
14,700.00	6,840.00	6,962.00	6,940.62	235.12	23.36	92.79	2,765.34	-12,398.72	5,227.23	4,995.94	231.29	22.600		
14,800.00	6,840.00	6,962.00	6,940.62	237.79	23.36	92.79	2,765.34	-12,398.72	5,171.99	4,936.77	235.22	21.988		
14,900.00	6,840.00	6,962.00	6,940.62	240.46	23.36	92.79	2,765.34	-12,398.72	5,118.11	4,878.93	239.18	21.399		
15,000.00	6,840.00	6,956.40	6,935.03	243.13	23.34	92.71	2,765.54	-12,398.82	5,065.63	4,822.47	243.15	20.833		
15,100.00	6,840.00	6,955.00	6,933.63	245.80	23.34	92.69	2,765.59	-12,398.85	5,014.59	4,767.43	247.16	20.289		
15,200.00	6,840.00	6,953.57	6,932.20	248.48	23.33	92.67	2,765.65	-12,398.88	4,965.04	4,713.85	251.19	19.766		
15,300.00	6,840.00	6,952.11	6,930.74	251.15	23.33	92.65	2,765.70	-12,398.90	4,917.02	4,661.80	255.22	19.265		
15,400.00	6,840.00	6,950.61	6,929.24	253.83	23.33	92.63	2,765.75	-12,398.93	4,870.59	4,611.32	259.27	18.786		
15,500.00	6,840.00	6,949.08	6,927.71	256.51	23.32	92.61	2,765.81	-12,398.96	4,825.78	4,562.46	263.32	18.327		
15,600.00	6,840.00	6,947.51	6,926.14	259.19	23.32	92.59	2,765.86	-12,399.00	4,782.64	4,515.28	267.36	17.889		
15,700.00	6,840.00	6,945.90	6,924.54	261.87	23.31	92.57	2,765.92	-12,399.03	4,741.22	4,469.83	271.39	17.470		
15,800.00	6,840.00	6,944.26	6,922.90	264.55	23.31	92.55	2,765.98	-12,399.06	4,701.56	4,426.16	275.40	17.072		
15,900.00	6,840.00	6,942.58	6,921.21	267.23	23.30	92.53	2,766.04	-12,399.10	4,663.70	4,384.32	279.38	16.693		
16,000.00	6,840.00	6,940.85	6,919.49	269.91	23.29	92.51	2,766.10	-12,399.14	4,627.70	4,344.37	283.33	16.333		
16,100.00	6,840.00	6,939.08	6,917.72	272.59	23.29	92.48	2,766.16	-12,399.17	4,593.59	4,306.36	287.23	15.993		
16,200.00	6,840.00	6,937.27	6,915.91	275.28	23.28	92.46	2,766.23	-12,399.21	4,561.41	4,270.33	291.08	15.670		
16,300.00	6,840.00	6,935.41	6,914.05	277.96	23.28	92.43	2,766.29	-12,399.26	4,531.22	4,236.34	294.88	15.367		
16,400.00	6,840.00	6,933.50	6,912.15	280.64	23.27	92.41	2,766.36	-12,399.30	4,503.04	4,204.44	298.60	15.080		
16,500.00	6,840.00	6,931.54	6,910.19	283.33	23.26	92.38	2,766.43	-12,399.34	4,476.92	4,174.67	302.25	14.812		
16,600.00	6,840.00	6,929.53	6,908.18	286.02	23.26	92.36	2,766.50	-12,399.39	4,452.89	4,147.08	305.81	14.561		
16,700.00	6,840.00	6,927.47	6,906.12	288.70	23.25	92.33	2,766.58	-12,399.44	4,430.99	4,121.72	309.27	14.327		
16,800.00	6,840.00	6,925.35	6,904.00	291.39	23.24	92.30	2,766.65	-12,399.49	4,411.24	4,098.61	312.63	14.110		
16,900.00	6,840.00	6,923.17	6,901.82	294.08	23.24	92.27	2,766.73	-12,399.54	4,393.68	4,077.80	315.88	13.909		
17,000.00	6,840.00	6,920.93	6,899.59	296.77	23.23	92.24	2,766.81	-12,399.60	4,378.34	4,059.32	319.01	13.725		
17,100.00	6,840.00	6,918.62	6,897.28	299.46	23.22	92.21	2,766.89	-12,399.65	4,365.23	4,043.21	322.02	13.556		
17,200.00	6,840.00	6,916.25	6,894.92	302.14	23.22	92.18	2,766.98	-12,399.71	4,354.37	4,029.49	324.88	13.403		
17,300.00	6,840.00	6,913.81	6,892.48	304.84	23.21	92.15	2,767.07	-12,399.77	4,345.79	4,018.18	327.61	13.265		
17,400.00	6,840.00	6,911.30	6,889.97	307.53	23.20	92.12	2,767.15	-12,399.84	4,339.50	4,009.31	330.19	13.143		
17,500.00	6,840.00	6,916.40	6,895.06	310.22	23.22	92.18	2,766.96	-12,399.66	4,335.49	4,002.87	332.62	13.034		
17,600.00	6,840.00	6,911.33	6,890.00	312.91	23.20	92.12	2,767.15	-12,399.81	4,333.80	3,998.92	334.88	12.941		
17,623.37	6,840.00	6,910.17	6,888.84	313.54	23.20	92.10	2,767.19	-12,399.85	4,333.74	3,998.35	335.39	12.922 CC		
17,700.00	6,840.00	6,906.46	6,885.14	315.60	23.18	92.05	2,767.32	-12,399.96	4,334.41	3,997.43	336.98	12.862 ES		
17,800.00	6,840.00	6,901.79	6,880.47	318.29	23.17	91.99	2,767.49	-12,400.09	4,337.33	3,998.41	338.92	12.798		
17,900.00	6,840.00	6,897.29	6,875.98	320.99	23.16	91.93	2,767.65	-12,400.22	4,342.55	4,001.86	340.69	12.746		
18,000.00	6,840.00	6,892.97	6,871.65	323.68	23.14	91.87	2,767.81	-12,400.34	4,350.05	4,007.76	342.29	12.709		
18,100.00	6,840.00	6,888.80	6,867.49	326.38	23.13	91.82	2,767.95	-12,400.45	4,359.83	4,016.12	343.72	12.684		
18,200.00	6,840.00	6,884.79	6,863.48	329.07	23.12	91.77	2,768.09	-12,400.56	4,371.88	4,026.91	344.97	12.673 SF		
18,300.00	6,840.00	6,880.92	6,859.62	331.77	23.10	91.71	2,768.23	-12,400.66	4,386.17	4,040.11	346.06	12.675		
18,400.00	6,840.00	6,877.19	6,855.89	334.46	23.09	91.66	2,768.35	-12,400.75	4,402.69	4,055.71	346.98	12.688		
18,500.00	6,840.00	6,873.58	6,852.28	337.16	23.08	91.62	2,768.47	-12,400.85	4,421.40	4,073.66	347.74	12.715		
18,600.00	6,840.00	6,870.10	6,848.80	339.85	23.07	91.57	2,768.59	-12,400.93	4,442.29	4,093.96	348.33	12.753		
18,700.00	6,840.00	6,866.73	6,845.44	342.55	23.06	91.53	2,768.70	-12,401.01	4,465.31	4,116.55	348.76	12.803		
18,800.00	6,840.00	6,863.47	6,842.18	345.25	23.05	91.48	2,768.81	-12,401.09	4,490.45	4,141.40	349.04	12.865		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ ANDERSON 2-27 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 890-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	
18,900.00	6,840.00	6,860.32	6,839.03	347.94	23.04	91.44	2,768.91	-12,401.17	4,517.65	4,168.48	349.17	12.938	
19,000.00	6,840.00	6,857.27	6,835.98	350.64	23.03	91.40	2,769.01	-12,401.24	4,546.89	4,197.74	349.15	13.023	
19,100.00	6,840.00	6,854.31	6,833.03	353.34	23.02	91.36	2,769.10	-12,401.31	4,578.13	4,229.13	348.99	13.118	
19,200.00	6,840.00	6,851.44	6,830.16	356.04	23.01	91.32	2,769.19	-12,401.37	4,611.32	4,262.62	348.70	13.224	
19,300.00	6,840.00	6,848.66	6,827.39	358.74	23.00	91.29	2,769.28	-12,401.43	4,646.43	4,298.14	348.28	13.341	
19,400.00	6,840.00	6,845.97	6,824.69	361.44	22.99	91.25	2,769.36	-12,401.49	4,683.41	4,335.66	347.74	13.468	
19,500.00	6,840.00	6,843.35	6,822.08	364.13	22.98	91.22	2,769.44	-12,401.55	4,722.21	4,375.12	347.09	13.605	
19,600.00	6,840.00	6,840.81	6,819.54	366.83	22.98	91.18	2,769.52	-12,401.60	4,762.80	4,416.47	346.33	13.752	
19,700.00	6,840.00	6,838.34	6,817.07	369.53	22.97	91.15	2,769.59	-12,401.65	4,805.13	4,459.66	345.46	13.909	
19,800.00	6,840.00	6,835.94	6,814.67	372.23	22.96	91.12	2,769.67	-12,401.70	4,849.14	4,504.64	344.50	14.076	
19,900.00	6,840.00	6,833.61	6,812.34	374.94	22.95	91.09	2,769.74	-12,401.75	4,894.81	4,551.35	343.45	14.252	
20,000.00	6,840.00	6,831.34	6,810.08	377.64	22.94	91.06	2,769.80	-12,401.80	4,942.07	4,599.75	342.32	14.437	
20,100.00	6,840.00	6,829.13	6,807.87	380.34	22.94	91.03	2,769.87	-12,401.84	4,990.89	4,649.78	341.12	14.631	
20,200.00	6,840.00	6,826.98	6,805.72	383.04	22.93	91.00	2,769.93	-12,401.88	5,041.22	4,701.38	339.84	14.834	
20,300.00	6,840.00	6,824.89	6,803.63	385.74	22.92	90.97	2,769.99	-12,401.92	5,093.02	4,754.52	338.50	15.046	
20,400.00	6,840.00	6,822.86	6,801.60	388.44	22.92	90.95	2,770.05	-12,401.96	5,146.24	4,809.13	337.10	15.266	
20,500.00	6,840.00	6,820.87	6,799.61	391.14	22.91	90.92	2,770.11	-12,402.00	5,200.83	4,865.18	335.65	15.495	
20,552.28	6,840.00	6,819.85	6,798.59	392.56	22.91	90.91	2,770.14	-12,402.02	5,229.90	4,895.03	334.87	15.618	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ LIBACK 44-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 678-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		
4,400.00	4,118.57	4,692.33	4,634.31	29.95	18.81	41.21	-934.46	-11,089.68	9,993.28	9,952.03	41.25	242.262		
4,500.00	4,210.06	4,737.00	4,678.31	30.76	19.02	41.24	-941.72	-11,087.05	9,955.95	9,913.85	42.10	236.503		
4,600.00	4,301.56	4,790.26	4,730.79	31.58	19.27	41.28	-950.31	-11,084.15	9,919.05	9,876.07	42.98	230.801		
4,700.00	4,393.05	4,892.86	4,831.80	32.39	19.75	41.34	-967.39	-11,078.48	9,882.16	9,838.12	44.05	224.345		
4,800.00	4,484.55	5,142.69	5,077.52	33.21	20.93	41.50	-1,009.50	-11,062.60	9,844.55	9,798.86	45.69	215.447		
4,900.00	4,576.04	5,186.99	5,120.96	34.02	21.15	41.53	-1,017.70	-11,059.54	9,806.39	9,759.84	46.55	210.650		
5,000.00	4,667.54	5,290.88	5,222.97	34.84	21.65	41.59	-1,036.08	-11,052.67	9,768.55	9,720.91	47.64	205.050		
5,100.00	4,759.03	5,359.57	5,290.62	35.65	21.97	41.64	-1,047.05	-11,048.04	9,730.59	9,682.00	48.59	200.272		
5,200.00	4,850.53	5,426.00	5,356.00	36.47	22.28	41.68	-1,057.97	-11,043.78	9,692.93	9,643.40	49.53	195.711		
5,300.00	4,942.02	5,505.26	5,434.01	37.28	22.66	41.73	-1,071.12	-11,038.84	9,655.46	9,604.94	50.52	191.129		
5,400.00	5,033.51	5,601.19	5,528.32	38.10	23.11	41.80	-1,087.68	-11,032.90	9,618.01	9,566.44	51.58	186.483		
5,500.00	5,125.01	5,683.23	5,609.06	38.92	23.50	41.85	-1,101.31	-11,027.84	9,580.62	9,528.04	52.58	182.206		
5,600.00	5,216.50	5,717.41	5,642.75	39.73	23.66	41.88	-1,106.73	-11,025.86	9,543.58	9,490.17	53.41	178.691		
5,700.00	5,308.00	6,108.59	6,024.99	40.55	25.63	42.07	-1,184.00	-10,997.75	9,504.65	9,449.03	55.63	170.866		
5,800.00	5,399.49	6,150.00	6,065.29	41.36	25.85	42.09	-1,192.85	-10,994.24	9,465.17	9,408.66	56.51	167.507		
5,900.00	5,490.99	6,207.92	6,121.80	42.18	26.14	42.11	-1,204.64	-10,989.58	9,426.06	9,368.62	57.44	164.094		
6,000.00	5,582.48	6,245.00	6,158.09	43.00	26.33	42.13	-1,211.77	-10,986.81	9,387.49	9,329.18	58.30	161.009		
6,100.00	5,673.98	6,245.00	6,158.09	43.81	26.33	42.13	-1,211.77	-10,986.81	9,349.66	9,290.63	59.03	158.401		
6,200.00	5,765.47	6,297.67	6,209.82	44.63	26.58	42.17	-1,221.03	-10,983.39	9,312.21	9,252.27	59.93	155.377		
6,300.00	5,856.97	6,339.00	6,250.60	45.45	26.78	42.20	-1,227.44	-10,981.24	9,275.63	9,214.83	60.80	152.549		
6,400.00	5,948.46	6,393.59	6,304.56	46.26	27.02	42.25	-1,235.33	-10,978.65	9,239.56	9,177.84	61.71	149.718		
6,500.00	6,039.96	6,484.62	6,394.55	47.08	27.42	42.33	-1,248.28	-10,974.16	9,203.44	9,140.69	62.75	146.677		
6,600.00	6,131.45	6,741.60	6,647.55	47.90	28.63	42.52	-1,290.41	-10,958.78	9,165.83	9,101.46	64.36	142.410		
6,700.00	6,222.95	6,814.58	6,719.28	48.71	28.98	42.57	-1,302.97	-10,954.07	9,128.27	9,062.91	65.35	139.672		
6,800.00	6,314.44	6,911.45	6,814.78	49.53	29.42	42.65	-1,317.99	-10,947.85	9,090.79	9,024.37	66.42	136.875		
6,900.00	6,405.93	6,970.50	6,873.09	50.35	29.69	42.71	-1,326.47	-10,944.14	9,053.47	8,986.12	67.35	134.426		
7,000.00	6,497.01	7,034.10	6,935.96	51.18	29.97	37.79	-1,335.33	-10,940.35	9,015.30	8,947.00	68.30	131.997		
7,100.00	6,582.62	7,098.10	6,999.26	52.20	30.25	29.40	-1,344.06	-10,936.70	8,964.80	8,895.55	69.25	129.448		
7,200.00	6,659.25	7,237.60	7,137.09	53.42	30.88	24.97	-1,363.82	-10,928.29	8,899.82	8,829.41	70.40	126.409		
7,300.00	6,724.59	7,301.14	7,199.86	54.84	31.16	22.72	-1,372.84	-10,924.26	8,822.54	8,751.29	71.24	123.838		
7,400.00	6,776.64	7,340.88	7,239.11	56.40	31.34	22.28	-1,378.55	-10,921.78	8,735.50	8,663.61	71.89	121.505		
7,500.00	6,813.82	7,367.73	7,265.62	58.08	31.46	24.64	-1,382.48	-10,920.12	8,641.34	8,568.98	72.37	119.409		
7,600.00	6,835.01	7,376.00	7,273.79	59.82	31.50	41.71	-1,383.70	-10,919.62	8,542.88	8,470.25	72.63	117.622		
7,700.00	6,840.00	7,376.00	7,273.79	61.57	31.50	161.23	-1,383.70	-10,919.62	8,443.05	8,370.34	72.71	116.118		
7,800.00	6,840.00	7,374.78	7,272.58	63.35	31.50	161.18	-1,383.52	-10,919.69	8,343.29	8,270.55	72.74	114.697		
7,900.00	6,840.00	7,369.61	7,267.48	65.20	31.47	160.94	-1,382.76	-10,920.01	8,243.54	8,170.77	72.76	113.290		
8,000.00	6,840.00	7,364.42	7,262.35	67.10	31.45	160.70	-1,381.99	-10,920.33	8,143.78	8,070.99	72.79	111.882		
8,100.00	6,840.00	7,359.20	7,257.20	69.05	31.43	160.45	-1,381.23	-10,920.65	8,044.03	7,971.21	72.82	110.471		
8,200.00	6,840.00	7,353.96	7,252.03	71.06	31.40	160.20	-1,380.46	-10,920.97	7,944.28	7,871.44	72.84	109.058		
8,300.00	6,840.00	7,348.70	7,246.83	73.11	31.38	159.95	-1,379.69	-10,921.29	7,844.53	7,771.66	72.88	107.643		
8,400.00	6,840.00	7,343.41	7,241.61	75.21	31.35	159.69	-1,378.92	-10,921.62	7,744.79	7,671.88	72.91	106.226		
8,500.00	6,840.00	7,338.10	7,236.37	77.34	31.33	159.42	-1,378.15	-10,921.95	7,645.04	7,572.10	72.94	104.807		
8,600.00	6,840.00	7,332.77	7,231.10	79.51	31.31	159.15	-1,377.38	-10,922.28	7,545.30	7,472.32	72.98	103.386		
8,700.00	6,840.00	7,327.41	7,225.81	81.72	31.28	158.88	-1,376.60	-10,922.62	7,445.56	7,372.54	73.02	101.963		
8,800.00	6,840.00	7,322.03	7,220.50	83.95	31.26	158.59	-1,375.83	-10,922.95	7,345.83	7,272.76	73.07	100.538		
8,900.00	6,840.00	7,316.63	7,215.16	86.22	31.23	158.30	-1,375.05	-10,923.29	7,246.09	7,172.98	73.11	99.111		
9,000.00	6,840.00	7,311.20	7,209.80	88.51	31.21	158.01	-1,374.27	-10,923.63	7,146.36	7,073.20	73.16	97.682		
9,100.00	6,840.00	7,305.75	7,204.41	90.83	31.18	157.71	-1,373.50	-10,923.97	7,046.63	6,973.42	73.21	96.251		
9,200.00	6,840.00	7,300.27	7,199.00	93.16	31.16	157.40	-1,372.71	-10,924.32	6,946.91	6,873.64	73.26	94.819		
9,300.00	6,840.00	7,294.77	7,193.57	95.52	31.13	157.08	-1,371.93	-10,924.67	6,847.18	6,773.86	73.32	93.385		
9,400.00	6,840.00	7,291.16	7,190.01	97.90	31.12	156.88	-1,371.42	-10,924.89	6,747.46	6,674.08	73.39	91.946		
9,500.00	6,840.00	7,284.13	7,183.06	100.30	31.09	156.46	-1,370.43	-10,925.34	6,647.75	6,574.30	73.45	90.510		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ LIBACK 44-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 678-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		
9,600.00	6,840.00	7,277.12	7,176.13	102.72	31.06	156.04	-1,369.44	-10,925.79	6,548.03	6,474.52	73.51	89.073		
9,700.00	6,840.00	7,270.12	7,169.22	105.15	31.02	155.60	-1,368.45	-10,926.23	6,448.32	6,374.74	73.58	87.632		
9,800.00	6,840.00	7,263.16	7,162.34	107.59	30.99	155.16	-1,367.46	-10,926.67	6,348.61	6,274.95	73.66	86.190		
9,900.00	6,840.00	7,256.21	7,155.48	110.05	30.96	154.71	-1,366.47	-10,927.11	6,248.90	6,175.17	73.74	84.746		
10,000.00	6,840.00	7,249.28	7,148.64	112.52	30.93	154.24	-1,365.49	-10,927.55	6,149.20	6,075.38	73.82	83.299		
10,100.00	6,840.00	7,242.38	7,141.82	115.00	30.90	153.77	-1,364.50	-10,927.99	6,049.50	5,975.59	73.91	81.850		
10,200.00	6,840.00	7,235.50	7,135.02	117.50	30.87	153.29	-1,363.52	-10,928.42	5,949.80	5,875.79	74.00	80.400		
10,300.00	6,840.00	7,228.64	7,128.25	120.00	30.84	152.80	-1,362.53	-10,928.85	5,850.10	5,776.00	74.10	78.947		
10,400.00	6,840.00	7,221.80	7,121.49	122.51	30.81	152.29	-1,361.55	-10,929.28	5,750.40	5,676.20	74.21	77.493		
10,500.00	6,840.00	7,214.99	7,114.76	125.04	30.78	151.78	-1,360.57	-10,929.71	5,650.71	5,576.40	74.32	76.036		
10,600.00	6,840.00	7,208.19	7,108.05	127.57	30.75	151.25	-1,359.59	-10,930.13	5,551.02	5,476.59	74.43	74.578		
10,700.00	6,840.00	7,201.36	7,101.29	130.11	30.72	150.72	-1,358.61	-10,930.56	5,451.33	5,376.78	74.55	73.123		
10,800.00	6,840.00	7,194.56	7,094.50	132.66	30.70	150.19	-1,357.63	-10,931.00	5,351.66	5,276.97	74.68	71.659		
10,900.00	6,840.00	7,187.77	7,087.71	135.21	30.65	149.65	-1,356.65	-10,931.43	5,251.98	5,177.16	74.82	70.193		
11,000.00	6,840.00	7,180.99	7,080.93	137.77	30.60	149.11	-1,355.67	-10,931.86	5,152.30	5,077.33	74.97	68.724		
11,100.00	6,840.00	7,174.22	7,074.16	140.34	30.56	148.57	-1,354.69	-10,932.29	5,052.63	4,977.50	75.13	67.254		
11,200.00	6,840.00	7,167.46	7,067.40	142.91	30.52	148.03	-1,353.71	-10,932.72	4,952.95	4,877.66	75.29	65.781		
11,300.00	6,840.00	7,160.71	7,060.65	145.49	30.47	147.49	-1,352.73	-10,933.15	4,853.28	4,777.81	75.47	64.307		
11,400.00	6,840.00	7,153.97	7,053.91	148.07	30.43	146.95	-1,351.75	-10,933.58	4,753.61	4,677.95	75.66	62.832		
11,500.00	6,840.00	7,147.24	7,047.18	150.66	30.39	146.41	-1,350.77	-10,934.01	4,653.94	4,578.09	75.85	61.355		
11,600.00	6,840.00	7,140.52	7,040.42	153.25	30.35	145.87	-1,349.79	-10,934.44	4,554.27	4,478.21	76.06	59.876		
11,700.00	6,840.00	7,133.81	7,033.71	155.85	30.31	145.33	-1,348.81	-10,934.87	4,454.61	4,378.33	76.28	58.397		
11,800.00	6,840.00	7,127.11	7,027.01	158.45	30.28	144.79	-1,347.83	-10,935.30	4,354.95	4,278.44	76.52	56.916		
11,900.00	6,840.00	7,120.42	7,020.32	161.06	30.24	144.25	-1,346.85	-10,935.73	4,255.30	4,178.54	76.76	55.436		
12,000.00	6,840.00	7,113.74	7,013.64	163.67	30.22	143.71	-1,345.87	-10,936.16	4,155.65	4,078.64	77.01	53.961		
12,100.00	6,840.00	7,107.07	7,006.97	166.28	30.20	143.17	-1,344.89	-10,936.59	4,056.02	3,978.74	77.28	52.486		
12,200.00	6,840.00	7,100.41	7,000.31	168.90	30.18	142.63	-1,343.91	-10,937.02	3,956.39	3,878.83	77.56	51.011		
12,300.00	6,840.00	7,093.76	6,993.66	171.52	30.16	142.09	-1,342.93	-10,937.45	3,856.78	3,778.92	77.86	49.535		
12,400.00	6,840.00	7,087.12	6,987.02	174.15	30.13	141.55	-1,341.95	-10,937.88	3,757.19	3,679.01	78.18	48.060		
12,500.00	6,840.00	7,080.48	6,980.38	176.77	30.11	141.01	-1,340.97	-10,938.31	3,657.60	3,579.09	78.52	46.585		
12,600.00	6,840.00	7,073.85	6,973.75	179.40	30.09	140.47	-1,340.00	-10,938.74	3,558.03	3,479.16	78.88	45.109		
12,700.00	6,840.00	7,067.23	6,967.13	182.04	30.07	139.93	-1,339.02	-10,939.17	3,458.48	3,379.22	79.26	43.634		
12,800.00	6,840.00	7,060.62	6,960.52	184.67	30.04	139.39	-1,338.04	-10,939.60	3,358.95	3,279.27	79.67	42.160		
12,900.00	6,840.00	7,054.02	6,953.92	187.31	30.02	138.85	-1,337.06	-10,940.03	3,259.43	3,179.32	80.11	40.686		
13,000.00	6,840.00	7,047.43	6,947.33	189.95	30.00	138.31	-1,336.08	-10,940.46	3,159.94	3,079.35	80.59	39.212		
13,100.00	6,840.00	7,040.85	6,940.75	192.59	29.98	137.77	-1,335.10	-10,940.89	3,060.47	2,979.37	81.09	37.740		
13,200.00	6,840.00	7,034.28	6,934.18	195.24	29.95	137.23	-1,334.12	-10,941.32	2,961.02	2,879.38	81.64	36.269		
13,300.00	6,840.00	7,027.72	6,927.62	197.88	29.93	136.69	-1,333.14	-10,941.75	2,861.60	2,779.37	82.23	34.799		
13,400.00	6,840.00	7,021.17	6,921.07	200.53	29.91	136.15	-1,332.16	-10,942.18	2,762.22	2,679.34	82.87	33.331		
13,500.00	6,840.00	7,014.63	6,914.53	203.18	29.88	135.61	-1,331.18	-10,942.61	2,662.86	2,579.30	83.57	31.865		
13,600.00	6,840.00	7,008.10	6,908.03	205.83	29.86	135.07	-1,330.20	-10,943.04	2,563.55	2,479.22	84.32	30.401		
13,700.00	6,840.00	7,001.58	6,901.48	208.49	29.84	134.53	-1,329.22	-10,943.47	2,464.28	2,379.13	85.15	28.941		
13,800.00	6,840.00	6,995.07	6,894.97	211.14	29.81	133.99	-1,328.24	-10,943.90	2,365.05	2,279.00	86.05	27.484		
13,900.00	6,840.00	6,988.57	6,888.47	213.80	29.79	133.45	-1,327.26	-10,944.33	2,265.88	2,178.84	87.04	26.032		
14,000.00	6,840.00	6,982.08	6,881.98	216.46	29.76	132.91	-1,326.28	-10,944.76	2,166.77	2,078.64	88.13	24.585		
14,100.00	6,840.00	6,975.60	6,875.50	219.12	29.74	132.37	-1,325.30	-10,945.19	2,067.73	1,978.39	89.34	23.144		
14,200.00	6,840.00	6,969.13	6,869.03	221.78	29.72	131.83	-1,324.32	-10,945.62	1,968.77	1,878.08	90.69	21.709		
14,300.00	6,840.00	6,962.67	6,862.57	224.45	29.69	131.29	-1,323.34	-10,946.05	1,869.90	1,777.71	92.20	20.282		
14,400.00	6,840.00	6,956.22	6,856.12	227.11	29.67	130.75	-1,322.36	-10,946.48	1,771.14	1,677.26	93.89	18.865		
14,500.00	6,840.00	6,949.78	6,849.68	229.78	29.64	130.21	-1,321.38	-10,946.91	1,672.51	1,576.71	95.80	17.459		
14,600.00	6,840.00	6,943.35	6,843.25	232.45	29.62	129.67	-1,320.40	-10,947.34	1,574.03	1,476.06	97.97	16.066		
14,700.00	6,840.00	6,936.93	6,836.83	235.12	29.59	129.13	-1,319.42	-10,947.77	1,475.73	1,375.27	100.46	14.690		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ LIBACK 44-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 678-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		
14,800.00	6,840.00	6,942.76	6,845.70	237.79	29.56	116.30	-1,322.52	-10,945.86	1,377.64	1,274.31	103.33	13.332		
14,900.00	6,840.00	6,936.93	6,839.94	240.46	29.54	115.15	-1,321.68	-10,946.23	1,279.83	1,173.15	106.67	11.998		
15,000.00	6,840.00	6,931.05	6,834.13	243.13	29.51	113.97	-1,320.84	-10,946.60	1,182.35	1,071.75	110.60	10.690		
15,100.00	6,840.00	6,925.10	6,828.26	245.80	29.49	112.77	-1,319.98	-10,946.98	1,085.29	970.02	115.27	9.416		
15,200.00	6,840.00	6,919.10	6,822.33	248.48	29.46	111.54	-1,319.11	-10,947.36	988.78	867.90	120.87	8.180		
15,300.00	6,840.00	6,913.15	6,816.46	251.15	29.43	110.31	-1,318.24	-10,947.74	892.99	765.28	127.70	6.993		
15,400.00	6,840.00	6,906.89	6,810.28	253.83	29.40	109.00	-1,317.33	-10,948.15	798.19	662.02	136.17	5.862		
15,500.00	6,840.00	6,900.65	6,804.11	256.51	29.38	107.69	-1,316.41	-10,948.55	704.76	557.95	146.82	4.800		
15,600.00	6,840.00	6,894.41	6,797.96	259.19	29.35	106.37	-1,315.49	-10,948.95	613.35	452.89	160.47	3.822		
15,700.00	6,840.00	6,888.19	6,791.82	261.87	29.32	105.04	-1,314.56	-10,949.35	525.00	346.77	178.24	2.946		
15,800.00	6,840.00	6,881.97	6,785.69	264.55	29.29	103.70	-1,313.62	-10,949.75	441.56	240.01	201.55	2.191		
15,900.00	6,840.00	6,875.77	6,779.57	267.23	29.26	102.37	-1,312.68	-10,950.15	366.39	134.93	231.46	1.583		
16,000.00	6,840.00	6,869.58	6,773.47	269.91	29.23	101.03	-1,311.73	-10,950.55	305.66	39.91	265.75	1.150	Level 2	
16,100.00	6,840.00	6,863.40	6,767.38	272.59	29.20	99.69	-1,310.78	-10,950.95	269.32	-22.75	292.07	0.922	Level 1	
16,154.90	6,840.00	6,860.02	6,764.04	274.06	29.19	98.95	-1,310.25	-10,951.17	263.69	-31.45	295.13	0.893	Level 1, CC, ES, SF	
16,200.00	6,840.00	6,857.24	6,761.30	275.28	29.17	98.35	-1,309.82	-10,951.35	267.50	-22.05	289.56	0.924	Level 1	
16,300.00	6,840.00	6,851.08	6,755.23	277.96	29.15	97.02	-1,308.85	-10,951.74	300.83	43.16	257.68	1.167	Level 2	
16,400.00	6,840.00	6,844.94	6,749.18	280.64	29.12	95.69	-1,307.88	-10,952.13	359.67	141.59	218.08	1.649		
16,500.00	6,840.00	6,838.81	6,743.14	283.33	29.09	94.37	-1,306.91	-10,952.53	433.76	249.52	184.24	2.354		
16,600.00	6,840.00	6,832.69	6,737.11	286.02	29.06	93.05	-1,305.92	-10,952.92	516.58	358.22	158.36	3.262		
16,700.00	6,840.00	6,826.58	6,731.10	288.70	29.03	91.74	-1,304.94	-10,953.31	604.55	465.56	139.00	4.349		
16,800.00	6,840.00	6,820.48	6,725.09	291.39	29.00	90.45	-1,303.94	-10,953.70	695.72	571.31	124.41	5.592		
16,900.00	6,840.00	6,814.46	6,719.16	294.08	28.98	89.18	-1,302.95	-10,954.08	788.99	675.73	113.26	6.966		
17,000.00	6,840.00	6,808.22	6,713.03	296.77	28.95	87.87	-1,301.92	-10,954.48	883.68	779.08	104.60	8.448		
17,100.00	6,840.00	6,801.96	6,706.86	299.46	28.92	86.58	-1,300.88	-10,954.88	979.39	881.60	97.79	10.016		
17,200.00	6,840.00	6,795.66	6,700.67	302.14	28.89	85.29	-1,299.82	-10,955.28	1,075.84	983.49	92.35	11.650		
17,300.00	6,840.00	6,789.33	6,694.45	304.84	28.86	84.01	-1,298.75	-10,955.69	1,172.85	1,084.88	87.97	13.333		
17,400.00	6,840.00	6,782.98	6,688.19	307.53	28.83	82.74	-1,297.67	-10,956.10	1,270.29	1,185.89	84.40	15.050		
17,500.00	6,840.00	6,776.59	6,681.91	310.22	28.79	81.48	-1,296.57	-10,956.51	1,368.07	1,286.59	81.48	16.790		
17,600.00	6,840.00	6,770.16	6,675.60	312.91	28.76	80.23	-1,295.46	-10,956.92	1,466.12	1,387.05	79.07	18.541		
17,700.00	6,840.00	6,763.71	6,669.26	315.60	28.73	79.00	-1,294.33	-10,957.34	1,564.39	1,487.32	77.08	20.296		
17,800.00	6,840.00	6,757.22	6,662.89	318.29	28.70	77.78	-1,293.19	-10,957.76	1,662.85	1,587.43	75.41	22.050		
17,900.00	6,840.00	6,750.70	6,656.49	320.99	28.67	76.57	-1,292.03	-10,958.19	1,761.45	1,687.43	74.02	23.797		
18,000.00	6,840.00	6,744.15	6,650.05	323.68	28.64	75.39	-1,290.86	-10,958.61	1,860.18	1,787.33	72.85	25.534		
18,100.00	6,840.00	6,737.57	6,643.59	326.38	28.61	74.22	-1,289.68	-10,959.04	1,959.01	1,887.15	71.86	27.260		
18,200.00	6,840.00	6,732.17	6,638.29	329.07	28.58	73.28	-1,288.74	-10,959.40	2,057.93	1,986.90	71.03	28.971		
18,300.00	6,840.00	6,724.89	6,631.15	331.77	28.55	72.04	-1,287.38	-10,959.88	2,156.94	2,086.61	70.33	30.669		
18,400.00	6,840.00	6,717.57	6,623.98	334.46	28.51	70.82	-1,286.03	-10,960.36	2,256.01	2,186.29	69.73	32.354		
18,500.00	6,840.00	6,710.24	6,616.78	337.16	28.48	69.63	-1,284.68	-10,960.84	2,355.15	2,285.93	69.22	34.026		
18,600.00	6,840.00	6,702.88	6,609.56	339.85	28.44	68.46	-1,283.34	-10,961.33	2,454.33	2,385.55	68.78	35.685		
18,700.00	6,840.00	6,695.50	6,602.32	342.55	28.40	67.31	-1,282.01	-10,961.82	2,553.55	2,485.15	68.40	37.331		
18,800.00	6,840.00	6,688.09	6,595.05	345.25	28.37	66.19	-1,280.68	-10,962.31	2,652.82	2,584.74	68.08	38.965		
18,900.00	6,840.00	6,680.66	6,587.75	347.94	28.33	65.10	-1,279.36	-10,962.81	2,752.12	2,684.31	67.81	40.587		
19,000.00	6,840.00	6,673.20	6,580.43	350.64	28.30	64.02	-1,278.04	-10,963.30	2,851.45	2,783.88	67.57	42.197		
19,100.00	6,840.00	6,665.72	6,573.08	353.34	28.26	62.98	-1,276.73	-10,963.80	2,950.81	2,883.44	67.37	43.797		
19,200.00	6,840.00	6,658.21	6,565.70	356.04	28.22	61.95	-1,275.43	-10,964.30	3,050.20	2,982.99	67.20	45.387		
19,300.00	6,840.00	6,650.68	6,558.30	358.74	28.19	60.95	-1,274.14	-10,964.81	3,149.60	3,082.54	67.06	46.966		
19,400.00	6,840.00	6,643.12	6,550.87	361.44	28.15	59.97	-1,272.85	-10,965.32	3,249.03	3,182.09	66.94	48.537		
19,500.00	6,840.00	6,635.54	6,543.41	364.13	28.12	59.02	-1,271.57	-10,965.82	3,348.48	3,281.64	66.84	50.098		
19,600.00	6,840.00	6,627.93	6,535.93	366.83	28.08	58.08	-1,270.30	-10,966.34	3,447.94	3,381.19	66.75	51.652		
19,700.00	6,840.00	6,623.00	6,531.08	369.53	28.05	57.49	-1,269.48	-10,966.67	3,547.42	3,480.71	66.71	53.175		
19,800.00	6,840.00	6,623.00	6,531.08	372.23	28.05	57.49	-1,269.48	-10,966.67	3,646.93	3,580.19	66.74	54.648		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ LIBACK 44-27 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 678-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	
19,900.00	6,840.00	6,623.00	6,531.08	374.94	28.05	57.49	-1,269.48	-10,966.67	3,746.46	3,679.69	66.77	56.108	
20,000.00	6,840.00	6,623.00	6,531.08	377.64	28.05	57.49	-1,269.48	-10,966.67	3,846.02	3,779.20	66.82	57.558	
20,100.00	6,840.00	6,606.61	6,514.95	380.34	27.98	55.60	-1,266.79	-10,967.75	3,945.54	3,878.83	66.71	59.147	
20,200.00	6,840.00	6,603.09	6,511.48	383.04	27.96	55.21	-1,266.22	-10,967.97	4,045.11	3,978.37	66.74	60.613	
20,300.00	6,840.00	6,599.65	6,508.09	385.74	27.95	54.83	-1,265.66	-10,968.19	4,144.69	4,077.92	66.77	62.071	
20,400.00	6,840.00	6,596.29	6,504.78	388.44	27.93	54.46	-1,265.12	-10,968.39	4,244.29	4,177.48	66.82	63.520	
20,500.00	6,840.00	6,593.00	6,501.54	391.14	27.92	54.11	-1,264.60	-10,968.60	4,343.91	4,277.04	66.87	64.960	
20,552.28	6,840.00	6,591.32	6,499.88	392.56	27.91	53.93	-1,264.33	-10,968.70	4,395.99	4,329.09	66.90	65.710	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ LIBSACK 4-8-27 - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 680-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,000.00	6,840.00	4,299.00	4,195.83	67.10	2.56	-8.51	-1,940.70	-12,395.44	9,928.66	9,884.77	43.88	226.254		
8,100.00	6,840.00	4,299.00	4,195.83	69.05	2.56	-8.51	-1,940.70	-12,395.44	9,832.04	9,788.12	43.92	223.871		
8,200.00	6,840.00	4,299.00	4,195.83	71.06	2.56	-8.51	-1,940.70	-12,395.44	9,735.49	9,691.54	43.96	221.482		
8,300.00	6,840.00	4,310.99	4,207.41	73.11	2.57	-8.56	-1,941.21	-12,398.54	9,639.01	9,595.00	44.00	219.065		
8,400.00	6,840.00	4,334.61	4,230.20	75.21	2.59	-8.66	-1,942.18	-12,404.65	9,542.54	9,498.49	44.05	216.630		
8,500.00	6,840.00	4,358.29	4,253.05	77.34	2.61	-8.76	-1,943.10	-12,410.79	9,446.07	9,401.97	44.10	214.197		
8,600.00	6,840.00	4,382.04	4,275.96	79.51	2.63	-8.86	-1,943.97	-12,416.96	9,349.62	9,305.47	44.15	211.766		
8,700.00	6,840.00	4,408.39	4,301.39	81.72	2.66	-8.97	-1,944.90	-12,423.80	9,253.17	9,208.97	44.20	209.335		
8,800.00	6,840.00	4,590.55	4,477.52	83.95	2.78	-9.86	-1,952.44	-12,469.68	9,156.63	9,112.38	44.26	206.892		
8,900.00	6,840.00	4,798.84	4,679.82	86.22	2.85	-11.06	-1,960.97	-12,518.47	9,059.77	9,015.49	44.28	204.602		
9,000.00	6,840.00	4,820.21	4,700.64	88.51	2.85	-11.19	-1,961.79	-12,523.24	8,962.43	8,918.12	44.31	202.261		
9,100.00	6,840.00	4,841.61	4,721.48	90.83	2.86	-11.33	-1,962.60	-12,528.03	8,865.10	8,820.75	44.34	199.923		
9,200.00	6,840.00	4,835.00	4,715.04	93.16	2.86	-11.28	-1,962.35	-12,526.55	8,767.81	8,723.43	44.38	197.549		
9,300.00	6,840.00	4,835.00	4,715.04	95.52	2.86	-11.28	-1,962.35	-12,526.55	8,670.59	8,626.17	44.42	195.177		
9,400.00	6,840.00	4,835.00	4,715.04	97.90	2.86	-11.28	-1,962.35	-12,526.55	8,573.43	8,528.96	44.47	192.798		
9,500.00	6,840.00	4,835.00	4,715.04	100.30	2.86	-11.28	-1,962.35	-12,526.55	8,476.34	8,431.82	44.52	190.413		
9,600.00	6,840.00	4,871.17	4,750.23	102.72	2.87	-11.52	-1,963.65	-12,534.81	8,379.06	8,334.51	44.55	188.097		
9,700.00	6,840.00	4,878.34	4,757.20	105.15	2.88	-11.57	-1,963.89	-12,536.49	8,281.99	8,237.40	44.59	185.723		
9,800.00	6,840.00	4,885.64	4,764.28	107.59	2.88	-11.61	-1,964.13	-12,538.21	8,184.97	8,140.33	44.64	183.345		
9,900.00	6,840.00	4,893.05	4,771.48	110.05	2.88	-11.66	-1,964.36	-12,539.98	8,088.01	8,043.31	44.69	180.964		
10,000.00	6,840.00	4,929.00	4,806.33	112.52	2.90	-11.90	-1,965.43	-12,548.75	7,991.25	7,946.53	44.73	178.674		
10,100.00	6,840.00	4,929.00	4,806.33	115.00	2.90	-11.90	-1,965.43	-12,548.75	7,894.32	7,849.53	44.79	176.266		
10,200.00	6,840.00	4,929.00	4,806.33	117.50	2.90	-11.90	-1,965.43	-12,548.75	7,797.46	7,752.61	44.85	173.851		
10,300.00	6,840.00	4,929.00	4,806.33	120.00	2.90	-11.90	-1,965.43	-12,548.75	7,700.69	7,655.77	44.92	171.429		
10,400.00	6,840.00	4,929.00	4,806.33	122.51	2.90	-11.90	-1,965.43	-12,548.75	7,603.99	7,559.00	44.99	169.000		
10,500.00	6,840.00	4,948.28	4,824.99	125.04	2.91	-12.03	-1,965.99	-12,553.56	7,507.34	7,462.29	45.05	166.646		
10,600.00	6,840.00	4,962.43	4,838.67	127.57	2.92	-12.13	-1,966.42	-12,557.12	7,410.74	7,365.62	45.11	164.272		
10,700.00	6,840.00	4,976.72	4,852.50	130.11	2.93	-12.23	-1,966.88	-12,560.73	7,314.17	7,269.00	45.18	161.899		
10,800.00	6,840.00	4,991.18	4,866.47	132.66	2.94	-12.34	-1,967.37	-12,564.40	7,217.65	7,172.41	45.24	159.526		
10,900.00	6,840.00	5,005.79	4,880.58	135.21	2.95	-12.44	-1,967.88	-12,568.14	7,121.18	7,075.86	45.31	157.154		
11,000.00	6,840.00	5,023.00	4,897.21	137.77	2.96	-12.57	-1,968.52	-12,572.56	7,024.75	6,979.37	45.38	154.797		
11,100.00	6,840.00	5,023.00	4,897.21	140.34	2.96	-12.57	-1,968.52	-12,572.56	6,928.38	6,882.90	45.48	152.334		
11,200.00	6,840.00	5,023.00	4,897.21	142.91	2.96	-12.57	-1,968.52	-12,572.56	6,832.12	6,786.53	45.59	149.863		
11,300.00	6,840.00	6,778.57	6,627.13	145.49	3.70	-78.59	-2,002.04	-12,817.45	6,732.80	6,691.15	41.65	161.641		
11,400.00	6,840.00	6,779.83	6,628.39	148.07	3.70	-78.75	-2,002.04	-12,817.47	6,633.03	6,591.46	41.57	159.570		
11,500.00	6,840.00	6,781.10	6,629.65	150.66	3.70	-78.91	-2,002.03	-12,817.48	6,533.26	6,491.78	41.48	157.493		
11,600.00	6,840.00	6,782.36	6,630.92	153.25	3.70	-79.06	-2,002.02	-12,817.50	6,433.50	6,392.10	41.40	155.411		
11,700.00	6,840.00	6,783.63	6,632.19	155.85	3.70	-79.22	-2,002.01	-12,817.52	6,333.75	6,292.44	41.31	153.322		
11,800.00	6,840.00	6,784.91	6,633.46	158.45	3.70	-79.38	-2,002.00	-12,817.54	6,234.00	6,192.78	41.22	151.226		
11,900.00	6,840.00	6,786.18	6,634.74	161.06	3.70	-79.54	-2,002.00	-12,817.55	6,134.27	6,093.13	41.14	149.122		
12,000.00	6,840.00	6,787.46	6,636.02	163.67	3.70	-79.70	-2,001.99	-12,817.57	6,034.54	5,993.49	41.05	147.010		
12,100.00	6,840.00	6,788.74	6,637.30	166.28	3.70	-79.87	-2,001.98	-12,817.59	5,934.82	5,893.86	40.96	144.890		
12,200.00	6,840.00	6,790.03	6,638.59	168.90	3.70	-80.03	-2,001.97	-12,817.61	5,835.11	5,794.23	40.87	142.760		
12,300.00	6,840.00	6,791.32	6,639.87	171.52	3.70	-80.19	-2,001.96	-12,817.63	5,735.40	5,694.62	40.79	140.619		
12,400.00	6,840.00	6,792.61	6,641.17	174.15	3.70	-80.35	-2,001.96	-12,817.64	5,635.71	5,595.01	40.70	138.467		
12,500.00	6,840.00	6,793.91	6,642.46	176.77	3.70	-80.52	-2,001.95	-12,817.66	5,536.03	5,495.42	40.62	136.303		
12,600.00	6,840.00	6,795.21	6,643.76	179.40	3.70	-80.68	-2,001.94	-12,817.68	5,436.37	5,395.83	40.53	134.126		
12,700.00	6,840.00	6,796.51	6,645.06	182.04	3.70	-80.85	-2,001.93	-12,817.70	5,336.71	5,296.26	40.45	131.935		
12,800.00	6,840.00	6,797.81	6,646.37	184.67	3.70	-81.01	-2,001.92	-12,817.71	5,237.07	5,196.70	40.37	129.728		
12,900.00	6,840.00	6,799.12	6,647.68	187.31	3.70	-81.18	-2,001.91	-12,817.73	5,137.43	5,097.14	40.29	127.503		
13,000.00	6,840.00	6,800.43	6,648.99	189.95	3.70	-81.35	-2,001.90	-12,817.75	5,037.82	4,997.60	40.22	125.261		
13,100.00	6,840.00	6,801.75	6,650.30	192.59	3.71	-81.51	-2,001.90	-12,817.77	4,938.22	4,898.07	40.15	122.998		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ LIBSACK 4-8-27 - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 680-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,200.00	6,840.00	6,803.07	6,651.62	195.24	3.71	-81.68	-2,001.89	-12,817.79	4,838.63	4,798.55	40.08	120.713		
13,300.00	6,840.00	6,804.39	6,652.94	197.88	3.71	-81.85	-2,001.88	-12,817.81	4,739.07	4,699.04	40.02	118.404		
13,400.00	6,840.00	6,805.71	6,654.27	200.53	3.71	-82.02	-2,001.87	-12,817.82	4,639.52	4,599.54	39.97	116.069		
13,500.00	6,840.00	6,807.04	6,655.60	203.18	3.71	-82.19	-2,001.86	-12,817.84	4,539.99	4,500.06	39.93	113.705		
13,600.00	6,840.00	6,808.37	6,656.93	205.83	3.71	-82.36	-2,001.85	-12,817.86	4,440.48	4,400.58	39.89	111.311		
13,700.00	6,840.00	6,809.71	6,658.26	208.49	3.71	-82.53	-2,001.84	-12,817.88	4,340.99	4,301.12	39.87	108.883		
13,800.00	6,840.00	6,811.05	6,659.60	211.14	3.71	-82.70	-2,001.83	-12,817.90	4,241.53	4,201.67	39.86	106.419		
13,900.00	6,840.00	6,812.39	6,660.94	213.80	3.71	-82.87	-2,001.82	-12,817.92	4,142.09	4,102.23	39.86	103.916		
14,000.00	6,840.00	6,813.73	6,662.29	216.46	3.71	-83.04	-2,001.82	-12,817.94	4,042.68	4,002.80	39.88	101.370		
14,100.00	6,840.00	6,815.08	6,663.64	219.12	3.71	-83.22	-2,001.81	-12,817.96	3,943.30	3,903.37	39.92	98.778		
14,200.00	6,840.00	6,816.44	6,664.99	221.78	3.71	-83.39	-2,001.80	-12,817.98	3,843.95	3,803.96	39.98	96.137		
14,300.00	6,840.00	6,817.79	6,666.34	224.45	3.71	-83.56	-2,001.79	-12,817.99	3,744.63	3,704.55	40.07	93.442		
14,400.00	6,840.00	6,819.15	6,667.70	227.11	3.71	-83.74	-2,001.78	-12,818.01	3,645.35	3,605.16	40.19	90.692		
14,500.00	6,840.00	6,820.51	6,669.07	229.78	3.71	-83.91	-2,001.77	-12,818.03	3,546.11	3,505.76	40.35	87.882		
14,600.00	6,840.00	6,821.88	6,670.43	232.45	3.71	-84.09	-2,001.76	-12,818.05	3,446.92	3,406.37	40.55	85.009		
14,700.00	6,840.00	6,823.25	6,671.80	235.12	3.71	-84.27	-2,001.75	-12,818.07	3,347.77	3,306.98	40.79	82.070		
14,800.00	6,840.00	6,824.62	6,673.18	237.79	3.71	-84.44	-2,001.74	-12,818.09	3,248.67	3,207.58	41.09	79.063		
14,900.00	6,840.00	6,825.92	6,674.47	240.46	3.71	-84.61	-2,001.73	-12,818.11	3,149.63	3,108.18	41.45	75.985		
15,000.00	6,840.00	6,827.28	6,675.84	243.13	3.71	-84.79	-2,001.72	-12,818.13	3,050.65	3,008.77	41.88	72.838		
15,100.00	6,840.00	6,828.65	6,677.20	245.80	3.71	-84.96	-2,001.71	-12,818.15	2,951.74	2,909.34	42.40	69.623		
15,200.00	6,840.00	6,830.02	6,678.57	248.48	3.71	-85.14	-2,001.71	-12,818.17	2,852.91	2,809.90	43.00	66.340		
15,300.00	6,840.00	6,831.39	6,679.94	251.15	3.71	-85.32	-2,001.70	-12,818.19	2,754.15	2,710.43	43.72	62.995		
15,400.00	6,840.00	6,832.77	6,681.32	253.83	3.71	-85.49	-2,001.69	-12,818.21	2,655.50	2,610.94	44.56	59.593		
15,500.00	6,840.00	6,834.14	6,682.70	256.51	3.71	-85.67	-2,001.68	-12,818.23	2,556.94	2,511.40	45.54	56.144		
15,600.00	6,840.00	6,835.53	6,684.08	259.19	3.71	-85.85	-2,001.67	-12,818.25	2,458.50	2,411.81	46.69	52.659		
15,700.00	6,840.00	6,836.91	6,685.46	261.87	3.71	-86.03	-2,001.66	-12,818.27	2,360.19	2,312.17	48.02	49.152		
15,800.00	6,840.00	6,838.29	6,686.84	264.55	3.71	-86.21	-2,001.65	-12,818.29	2,262.03	2,212.47	49.56	45.640		
15,900.00	6,840.00	6,839.68	6,688.23	267.23	3.71	-86.39	-2,001.64	-12,818.31	2,164.04	2,112.68	51.35	42.140		
16,000.00	6,840.00	6,841.08	6,689.63	269.91	3.71	-86.57	-2,001.64	-12,818.33	2,066.23	2,012.81	53.43	38.675		
16,100.00	6,840.00	6,842.47	6,691.02	272.59	3.71	-86.75	-2,001.63	-12,818.35	1,968.65	1,912.83	55.82	35.266		
16,200.00	6,840.00	6,843.87	6,692.42	275.28	3.71	-86.93	-2,001.62	-12,818.37	1,871.32	1,812.73	58.59	31.937		
16,300.00	6,840.00	6,845.27	6,693.82	277.96	3.72	-87.11	-2,001.61	-12,818.39	1,774.29	1,712.49	61.80	28.710		
16,400.00	6,840.00	6,846.67	6,695.22	280.64	3.72	-87.30	-2,001.60	-12,818.41	1,677.60	1,612.09	65.51	25.608		
16,500.00	6,840.00	6,848.08	6,696.63	283.33	3.72	-87.48	-2,001.59	-12,818.43	1,581.33	1,511.52	69.81	22.651		
16,600.00	6,840.00	6,849.49	6,698.04	286.02	3.72	-87.66	-2,001.58	-12,818.45	1,485.54	1,410.73	74.81	19.858		
16,700.00	6,840.00	6,850.90	6,699.45	288.70	3.72	-87.85	-2,001.58	-12,818.47	1,390.35	1,309.72	80.63	17.244		
16,800.00	6,840.00	6,852.31	6,700.86	291.39	3.72	-88.03	-2,001.57	-12,818.49	1,295.88	1,208.45	87.43	14.821		
16,900.00	6,840.00	6,853.73	6,702.28	294.08	3.72	-88.21	-2,001.56	-12,818.51	1,202.31	1,106.89	95.42	12.600		
17,000.00	6,840.00	6,855.15	6,703.70	296.77	3.72	-88.40	-2,001.55	-12,818.53	1,109.85	1,005.01	104.84	10.586		
17,100.00	6,840.00	6,856.58	6,705.12	299.46	3.72	-88.58	-2,001.54	-12,818.55	1,018.82	902.80	116.02	8.782		
17,200.00	6,840.00	6,858.00	6,706.55	302.14	3.72	-88.77	-2,001.53	-12,818.57	929.63	800.29	129.34	7.188		
17,300.00	6,840.00	6,859.43	6,707.98	304.84	3.72	-88.96	-2,001.53	-12,818.59	842.87	697.58	145.29	5.801		
17,400.00	6,840.00	6,860.86	6,709.41	307.53	3.72	-89.14	-2,001.52	-12,818.61	759.36	594.94	164.43	4.618		
17,500.00	6,840.00	6,862.30	6,710.85	310.22	3.72	-89.33	-2,001.51	-12,818.63	680.32	493.00	187.32	3.632		
17,600.00	6,840.00	6,863.74	6,712.28	312.91	3.72	-89.52	-2,001.50	-12,818.65	607.49	393.18	214.31	2.835		
17,700.00	6,840.00	6,865.18	6,713.73	315.60	3.72	-89.70	-2,001.49	-12,818.68	543.36	298.38	244.97	2.218		
17,800.00	6,840.00	6,866.62	6,715.17	318.29	3.72	-89.89	-2,001.49	-12,818.70	491.36	214.15	277.20	1.773		
17,900.00	6,840.00	6,868.07	6,716.62	320.99	3.72	-90.08	-2,001.48	-12,818.72	455.65	149.53	306.12	1.488 Level 3		
18,000.00	6,840.00	6,869.52	6,718.07	323.68	3.72	-90.27	-2,001.47	-12,818.74	440.23	115.49	324.74	1.356 Level 3		
18,019.09	6,840.00	6,869.80	6,718.34	324.20	3.72	-90.31	-2,001.47	-12,818.74	439.82	113.21	326.61	1.347 Level 3, CC, ES, SF		
18,100.00	6,840.00	6,870.97	6,719.52	326.38	3.72	-90.46	-2,001.46	-12,818.76	447.19	119.29	327.91	1.364 Level 3		
18,200.00	6,840.00	6,872.43	6,720.98	329.07	3.72	-90.65	-2,001.45	-12,818.78	475.56	159.09	316.48	1.503		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ LIBSACK 4-8-27 - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 680-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
18,300.00	6,840.00	6,873.89	6,722.44	331.77	3.72	-90.84	-2,001.45	-12,818.80	521.85	225.72	296.13	1.762		
18,400.00	6,840.00	6,875.35	6,723.90	334.46	3.72	-91.03	-2,001.44	-12,818.83	581.81	309.00	272.80	2.133		
18,500.00	6,840.00	6,876.82	6,725.36	337.16	3.72	-91.22	-2,001.43	-12,818.85	651.66	401.50	250.16	2.605		
18,600.00	6,840.00	6,878.29	6,726.83	339.85	3.72	-91.41	-2,001.42	-12,818.87	728.57	498.77	229.81	3.170		
18,700.00	6,840.00	6,879.76	6,728.30	342.55	3.72	-91.60	-2,001.42	-12,818.89	810.54	598.42	212.12	3.821		
18,800.00	6,840.00	6,881.23	6,729.78	345.25	3.72	-91.79	-2,001.41	-12,818.91	896.17	699.20	196.97	4.550		
18,900.00	6,840.00	6,882.71	6,731.26	347.94	3.72	-91.99	-2,001.40	-12,818.93	984.51	800.48	184.04	5.350		
19,000.00	6,840.00	6,884.19	6,732.74	350.64	3.72	-92.18	-2,001.39	-12,818.96	1,074.90	901.93	172.97	6.215		
19,100.00	6,840.00	6,885.68	6,734.22	353.34	3.72	-92.37	-2,001.39	-12,818.98	1,166.85	1,003.40	163.45	7.139		
19,200.00	6,840.00	6,887.16	6,735.71	356.04	3.73	-92.57	-2,001.38	-12,819.00	1,260.03	1,104.81	155.22	8.118		
19,300.00	6,840.00	6,888.65	6,737.20	358.74	3.73	-92.76	-2,001.37	-12,819.02	1,354.18	1,206.12	148.07	9.146		
19,400.00	6,840.00	6,890.15	6,738.69	361.44	3.73	-92.95	-2,001.36	-12,819.04	1,449.11	1,307.31	141.80	10.219		
19,500.00	6,840.00	6,891.64	6,740.19	364.13	3.73	-93.15	-2,001.36	-12,819.07	1,544.68	1,408.40	136.28	11.334		
19,600.00	6,840.00	6,893.14	6,741.69	366.83	3.73	-93.34	-2,001.35	-12,819.09	1,640.78	1,509.39	131.39	12.487		
19,700.00	6,840.00	6,894.65	6,743.19	369.53	3.73	-93.54	-2,001.34	-12,819.11	1,737.32	1,610.27	127.04	13.675		
19,800.00	6,840.00	6,896.15	6,744.70	372.23	3.73	-93.73	-2,001.34	-12,819.13	1,834.22	1,711.07	123.15	14.894		
19,900.00	6,840.00	6,897.66	6,746.21	374.94	3.73	-93.93	-2,001.33	-12,819.16	1,931.44	1,811.80	119.65	16.142		
20,000.00	6,840.00	6,899.18	6,747.72	377.64	3.73	-94.13	-2,001.32	-12,819.18	2,028.93	1,912.44	116.49	17.417		
20,100.00	6,840.00	6,900.69	6,749.24	380.34	3.73	-94.32	-2,001.32	-12,819.20	2,126.66	2,013.03	113.63	18.716		
20,200.00	6,840.00	6,902.21	6,750.75	383.04	3.73	-94.52	-2,001.31	-12,819.22	2,224.58	2,113.56	111.02	20.037		
20,300.00	6,840.00	6,903.73	6,752.28	385.74	3.73	-94.72	-2,001.30	-12,819.25	2,322.68	2,214.04	108.64	21.379		
20,400.00	6,840.00	6,905.26	6,753.80	388.44	3.73	-94.91	-2,001.29	-12,819.27	2,420.93	2,314.47	106.47	22.739		
20,500.00	6,840.00	6,906.79	6,755.33	391.14	3.73	-95.11	-2,001.29	-12,819.29	2,519.32	2,414.86	104.47	24.116		
20,552.28	6,840.00	6,907.59	6,756.13	392.56	3.73	-95.22	-2,001.28	-12,819.31	2,570.81	2,467.32	103.49	24.842		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 712-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		
2,300.00	2,197.18	2,894.95	2,889.64	12.94	9.35	46.73	464.64	-10,381.67	9,998.80	9,978.98	19.81	504.629		
2,400.00	2,288.67	2,916.00	2,910.61	13.74	9.43	46.77	465.23	-10,379.92	9,962.12	9,941.59	20.53	485.211		
2,500.00	2,380.17	2,957.13	2,951.60	14.54	9.58	46.85	466.28	-10,376.74	9,925.98	9,904.66	21.32	465.501		
2,600.00	2,471.66	2,900.00	3,047.88	15.35	8.23	47.05	468.77	-10,369.78	9,890.26	9,869.61	20.66	478.753		
2,700.00	2,563.16	3,123.99	3,117.95	16.15	10.22	47.19	470.82	-10,364.53	9,854.47	9,831.26	23.21	424.550		
2,800.00	2,654.65	3,167.00	3,160.84	16.96	10.38	47.28	472.02	-10,361.62	9,819.29	9,795.26	24.02	408.720		
2,900.00	2,746.15	3,205.02	3,198.77	17.76	10.52	47.36	473.11	-10,359.22	9,784.62	9,759.80	24.82	394.151		
3,000.00	2,837.64	3,262.00	3,255.62	18.57	10.73	47.48	475.02	-10,355.82	9,750.43	9,724.73	25.69	379.486		
3,100.00	2,929.14	3,567.20	3,559.89	19.38	11.89	48.12	483.65	-10,333.93	9,714.72	9,687.31	27.41	354.474		
3,200.00	3,020.63	3,608.00	3,600.55	20.19	12.04	48.21	485.02	-10,330.76	9,679.11	9,650.88	28.23	342.874		
3,300.00	3,112.13	3,757.77	3,749.69	21.00	12.62	48.54	491.08	-10,318.52	9,643.28	9,613.85	29.43	327.715		
3,400.00	3,203.62	3,914.71	3,905.88	21.81	13.23	48.89	497.37	-10,304.48	9,606.80	9,576.15	30.65	313.448		
3,500.00	3,295.12	3,954.00	3,944.98	22.63	13.38	48.98	498.86	-10,300.98	9,570.66	9,539.18	31.48	304.018		
3,600.00	3,386.61	4,017.30	4,008.01	23.44	13.63	49.12	501.11	-10,295.58	9,534.94	9,502.54	32.40	294.327		
3,700.00	3,478.10	4,048.00	4,038.60	24.25	13.75	49.19	502.10	-10,293.10	9,499.74	9,466.53	33.21	286.084		
3,800.00	3,569.60	4,097.18	4,087.61	25.06	13.93	49.30	503.60	-10,289.39	9,465.06	9,430.98	34.08	277.727		
3,900.00	3,661.09	4,143.00	4,133.31	25.88	14.11	49.40	504.89	-10,286.28	9,431.01	9,396.07	34.95	269.865		
4,000.00	3,752.59	4,143.00	4,133.31	26.69	14.11	49.40	504.89	-10,286.28	9,397.63	9,361.97	35.67	263.495		
4,100.00	3,844.08	4,194.06	4,184.26	27.50	14.29	49.51	506.07	-10,283.31	9,364.78	9,328.23	36.55	256.192		
4,200.00	3,935.58	4,237.00	4,227.15	28.32	14.45	49.60	506.75	-10,281.29	9,332.71	9,295.29	37.42	249.415		
4,300.00	4,027.07	4,237.00	4,227.15	29.13	14.45	49.60	506.75	-10,281.29	9,301.30	9,263.15	38.14	243.844		
4,400.00	4,118.57	4,278.32	4,268.45	29.95	14.60	49.69	507.23	-10,279.79	9,270.55	9,231.54	39.01	237.662		
4,500.00	4,210.06	4,331.00	4,321.11	30.76	14.79	49.80	507.76	-10,278.53	9,240.69	9,200.78	39.91	231.538		
4,600.00	4,301.56	4,331.00	4,321.11	31.58	14.79	49.80	507.76	-10,278.53	9,211.30	9,170.66	40.64	226.642		
4,700.00	4,393.05	4,375.20	4,365.30	32.39	14.94	49.89	508.14	-10,277.91	9,182.68	9,141.16	41.52	221.159		
4,800.00	4,484.55	4,426.00	4,416.10	33.21	15.12	49.99	508.54	-10,277.50	9,154.65	9,112.23	42.42	215.795		
4,900.00	4,576.04	4,490.57	4,480.67	34.02	15.34	50.13	509.06	-10,277.21	9,127.06	9,083.69	43.37	210.442		
5,000.00	4,667.54	4,572.89	4,562.98	34.84	15.62	50.30	509.91	-10,276.91	9,099.70	9,055.33	44.38	205.044		
5,100.00	4,759.03	4,703.11	4,693.18	35.65	16.07	50.58	511.70	-10,276.24	9,072.41	9,026.86	45.55	199.187		
5,200.00	4,850.53	4,799.40	4,789.47	36.47	16.41	50.78	512.66	-10,275.28	9,044.68	8,998.07	46.61	194.068		
5,300.00	4,942.02	4,838.36	4,828.42	37.28	16.53	50.86	512.74	-10,275.13	9,017.49	8,970.01	47.48	189.932		
5,400.00	5,033.51	4,912.74	4,902.80	38.10	16.78	51.02	512.57	-10,275.32	8,990.89	8,942.43	48.46	185.549		
5,500.00	5,125.01	5,029.33	5,019.39	38.92	17.16	51.26	512.38	-10,275.30	8,964.15	8,914.58	49.57	180.846		
5,600.00	5,216.50	5,166.93	5,156.99	39.73	17.62	51.54	512.02	-10,274.84	8,937.24	8,886.49	50.76	176.076		
5,700.00	5,308.00	5,274.45	5,264.50	40.55	17.98	51.77	511.52	-10,274.11	8,910.08	8,858.22	51.86	171.816		
5,800.00	5,399.49	5,378.59	5,368.64	41.36	18.34	51.99	510.83	-10,273.30	8,882.90	8,829.95	52.95	167.761		
5,900.00	5,490.99	5,478.63	5,468.67	42.18	18.68	52.20	510.09	-10,272.36	8,855.66	8,801.63	54.03	163.898		
6,000.00	5,582.48	5,575.30	5,565.34	43.00	19.01	52.40	509.46	-10,271.42	8,828.51	8,773.40	55.11	160.203		
6,100.00	5,673.98	5,713.48	5,703.50	43.81	19.50	52.71	509.74	-10,269.44	8,801.24	8,744.92	56.32	156.259		
6,200.00	5,765.47	5,751.30	5,741.32	44.63	19.63	52.79	509.76	-10,268.90	8,774.04	8,716.81	57.23	153.321		
6,300.00	5,856.97	5,810.00	5,800.02	45.45	19.83	52.92	509.70	-10,268.57	8,747.59	8,689.40	58.19	150.320		
6,400.00	5,948.46	6,400.00	5,870.41	46.26	21.82	53.07	509.57	-10,268.27	8,721.43	8,660.44	60.98	143.015		
6,500.00	6,039.96	5,992.86	5,982.88	47.08	20.45	53.32	509.32	-10,267.51	8,695.13	8,634.79	60.34	144.103		
6,600.00	6,131.45	6,072.07	6,062.08	47.90	20.73	53.49	509.17	-10,267.03	8,669.06	8,607.68	61.38	141.229		
6,700.00	6,222.95	6,168.88	6,158.89	48.71	21.07	53.71	509.13	-10,266.47	8,643.16	8,580.67	62.49	138.321		
6,800.00	6,314.44	6,263.90	6,253.91	49.53	21.40	53.92	509.20	-10,265.82	8,617.29	8,553.70	63.59	135.519		
6,900.00	6,405.93	6,349.47	6,339.48	50.35	21.70	54.12	509.28	-10,265.23	8,591.55	8,526.88	64.66	132.868		
7,000.00	6,497.01	6,459.14	6,449.14	51.18	22.09	49.61	509.60	-10,264.40	8,564.71	8,498.88	65.82	130.118		
7,100.00	6,588.62	6,539.93	6,529.92	52.20	22.38	42.23	509.89	-10,263.66	8,524.97	8,458.02	66.96	127.323		
7,200.00	6,659.25	6,632.22	6,622.22	53.42	22.70	39.37	510.17	-10,262.81	8,470.58	8,402.41	68.17	124.265		
7,300.00	6,724.59	6,660.00	6,649.99	54.84	22.80	39.39	510.26	-10,262.50	8,403.15	8,333.97	69.18	121.468		
7,400.00	6,776.64	6,701.75	6,691.74	56.40	22.94	42.64	510.33	-10,262.17	8,324.85	8,254.66	70.20	118.589		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 712-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		
7,500.00	6,813.82	6,717.95	6,707.94	58.08	23.00	50.38	510.32	-10,262.12	8,238.10	8,167.02	71.08	115.905		
7,600.00	6,835.01	6,727.30	6,717.29	59.82	23.03	66.90	510.30	-10,262.12	8,145.32	8,073.48	71.84	113.389		
7,700.00	6,840.00	6,729.56	6,719.55	61.57	23.04	89.93	510.30	-10,262.12	8,049.26	7,976.81	72.46	111.093		
7,800.00	6,840.00	6,729.60	6,719.59	63.35	23.04	89.93	510.30	-10,262.12	7,952.71	7,879.67	73.04	108.879		
7,900.00	6,840.00	6,729.64	6,719.64	65.20	23.04	89.93	510.30	-10,262.12	7,856.25	7,782.60	73.65	106.671		
8,000.00	6,840.00	6,729.69	6,719.68	67.10	23.04	89.94	510.30	-10,262.12	7,759.88	7,685.60	74.28	104.470		
8,100.00	6,840.00	6,729.73	6,719.72	69.05	23.04	89.94	510.30	-10,262.12	7,663.61	7,588.68	74.93	102.276		
8,200.00	6,840.00	6,729.78	6,719.77	71.06	23.04	89.94	510.30	-10,262.12	7,567.42	7,491.82	75.61	100.091		
8,300.00	6,840.00	6,729.83	6,719.82	73.11	23.04	89.94	510.30	-10,262.12	7,471.34	7,395.04	76.30	97.915		
8,400.00	6,840.00	6,729.87	6,719.86	75.21	23.04	89.94	510.30	-10,262.12	7,375.37	7,298.34	77.03	95.749		
8,500.00	6,840.00	6,729.92	6,719.91	77.34	23.04	89.94	510.30	-10,262.12	7,279.50	7,201.72	77.78	93.594		
8,600.00	6,840.00	6,729.97	6,719.96	79.51	23.04	89.94	510.30	-10,262.12	7,183.74	7,105.19	78.55	91.450		
8,700.00	6,840.00	6,730.02	6,720.01	81.72	23.04	89.95	510.30	-10,262.12	7,088.10	7,008.75	79.36	89.319		
8,800.00	6,840.00	6,730.07	6,720.06	83.95	23.04	89.95	510.30	-10,262.12	6,992.59	6,912.40	80.19	87.200		
8,900.00	6,840.00	6,730.12	6,720.11	86.22	23.04	89.95	510.30	-10,262.12	6,897.20	6,816.14	81.05	85.096		
9,000.00	6,840.00	6,730.17	6,720.17	88.51	23.04	89.95	510.30	-10,262.12	6,801.94	6,719.99	81.95	83.006		
9,100.00	6,840.00	6,730.23	6,720.22	90.83	23.04	89.95	510.30	-10,262.12	6,706.82	6,623.95	82.87	80.931		
9,200.00	6,840.00	6,730.28	6,720.27	93.16	23.04	89.95	510.30	-10,262.12	6,611.84	6,528.02	83.83	78.873		
9,300.00	6,840.00	6,730.34	6,720.33	95.52	23.04	89.95	510.30	-10,262.12	6,517.02	6,432.20	84.82	76.832		
9,400.00	6,840.00	6,730.39	6,720.39	97.90	23.04	89.96	510.30	-10,262.12	6,422.35	6,336.50	85.85	74.808		
9,500.00	6,840.00	6,730.45	6,720.44	100.30	23.04	89.96	510.30	-10,262.12	6,327.85	6,240.93	86.92	72.803		
9,600.00	6,840.00	6,730.51	6,720.50	102.72	23.04	89.96	510.30	-10,262.12	6,233.52	6,145.49	88.02	70.818		
9,700.00	6,840.00	6,730.57	6,720.56	105.15	23.04	89.96	510.30	-10,262.12	6,139.36	6,050.20	89.17	68.852		
9,800.00	6,840.00	6,730.63	6,720.62	107.59	23.04	89.96	510.30	-10,262.12	6,045.40	5,955.04	90.35	66.907		
9,900.00	6,840.00	6,730.69	6,720.69	110.05	23.04	89.96	510.30	-10,262.12	5,951.63	5,860.04	91.59	64.984		
10,000.00	6,840.00	6,730.76	6,720.75	112.52	23.04	89.97	510.30	-10,262.13	5,858.07	5,765.21	92.86	63.084		
10,100.00	6,840.00	6,730.82	6,720.81	115.00	23.04	89.97	510.30	-10,262.13	5,764.72	5,670.54	94.19	61.206		
10,200.00	6,840.00	6,730.89	6,720.88	117.50	23.04	89.97	510.30	-10,262.13	5,671.60	5,576.04	95.56	59.352		
10,300.00	6,840.00	6,730.96	6,720.95	120.00	23.04	89.97	510.30	-10,262.13	5,578.72	5,481.74	96.98	57.522		
10,400.00	6,840.00	6,731.02	6,721.02	122.51	23.04	89.97	510.30	-10,262.13	5,486.09	5,387.63	98.46	55.718		
10,500.00	6,840.00	6,731.10	6,721.09	125.04	23.04	89.97	510.29	-10,262.13	5,393.72	5,293.73	100.00	53.940		
10,600.00	6,840.00	6,731.17	6,721.16	127.57	23.04	89.98	510.29	-10,262.13	5,301.63	5,200.04	101.59	52.188		
10,700.00	6,840.00	6,731.24	6,721.23	130.11	23.04	89.98	510.29	-10,262.13	5,209.83	5,106.59	103.24	50.463		
10,800.00	6,840.00	6,731.32	6,721.31	132.66	23.04	89.98	510.29	-10,262.13	5,118.34	5,013.38	104.96	48.766		
10,900.00	6,840.00	6,731.39	6,721.38	135.21	23.04	89.98	510.29	-10,262.13	5,027.17	4,920.43	106.74	47.098		
11,000.00	6,840.00	6,731.47	6,721.46	137.77	23.04	89.99	510.29	-10,262.13	4,936.35	4,827.76	108.59	45.458		
11,100.00	6,840.00	6,731.55	6,721.54	140.34	23.04	89.99	510.29	-10,262.13	4,845.88	4,735.37	110.52	43.848		
11,200.00	6,840.00	6,731.63	6,721.62	142.91	23.04	89.99	510.29	-10,262.13	4,755.80	4,643.29	112.52	42.268		
11,300.00	6,840.00	6,731.72	6,721.71	145.49	23.04	89.99	510.29	-10,262.13	4,666.12	4,551.53	114.59	40.719		
11,400.00	6,840.00	6,731.80	6,721.79	148.07	23.04	89.99	510.29	-10,262.13	4,576.87	4,460.12	116.75	39.201		
11,500.00	6,840.00	6,731.89	6,721.88	150.66	23.04	90.00	510.29	-10,262.13	4,488.08	4,369.08	119.00	37.715		
11,600.00	6,840.00	6,731.98	6,721.97	153.25	23.05	90.00	510.29	-10,262.13	4,399.76	4,278.42	121.34	36.261		
11,700.00	6,840.00	6,732.07	6,722.06	155.85	23.05	90.00	510.29	-10,262.13	4,311.95	4,188.19	123.77	34.839		
11,800.00	6,840.00	6,732.17	6,722.16	158.45	23.05	90.00	510.29	-10,262.13	4,224.69	4,098.39	126.29	33.451		
11,900.00	6,840.00	6,732.26	6,722.25	161.06	23.05	90.01	510.29	-10,262.13	4,138.00	4,009.08	128.92	32.097		
12,000.00	6,840.00	6,732.36	6,722.35	163.67	23.05	90.01	510.29	-10,262.13	4,051.93	3,920.27	131.66	30.776		
12,100.00	6,840.00	6,732.46	6,722.45	166.28	23.05	90.01	510.29	-10,262.13	3,966.51	3,832.00	134.51	29.490		
12,200.00	6,840.00	6,732.57	6,722.56	168.90	23.05	90.02	510.29	-10,262.13	3,881.78	3,744.31	137.47	28.238		
12,300.00	6,840.00	6,732.67	6,722.67	171.52	23.05	90.02	510.29	-10,262.13	3,797.80	3,657.25	140.55	27.021		
12,400.00	6,840.00	6,732.78	6,722.77	174.15	23.05	90.02	510.29	-10,262.13	3,714.61	3,570.86	143.75	25.840		
12,500.00	6,840.00	6,732.90	6,722.89	176.77	23.05	90.02	510.29	-10,262.13	3,632.27	3,485.18	147.09	24.695		
12,600.00	6,840.00	6,733.01	6,723.00	179.40	23.05	90.03	510.29	-10,262.13	3,550.84	3,400.28	150.55	23.585		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ LIBSACK 8-4-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 712-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 +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,700.00	6,840.00	6,733.13	6,723.12	182.04	23.05	90.03	510.29	-10,262.13	3,470.38	3,316.22	154.16	22.512		
12,800.00	6,840.00	6,733.25	6,723.24	184.67	23.05	90.03	510.29	-10,262.13	3,390.95	3,233.05	157.90	21.475		
12,900.00	6,840.00	6,733.38	6,723.37	187.31	23.05	90.04	510.29	-10,262.13	3,312.65	3,150.86	161.79	20.475		
13,000.00	6,840.00	6,733.51	6,723.50	189.95	23.05	90.04	510.29	-10,262.13	3,235.53	3,069.71	165.83	19.512		
13,100.00	6,840.00	6,733.64	6,723.63	192.59	23.05	90.04	510.29	-10,262.13	3,159.71	2,989.69	170.01	18.585		
13,200.00	6,840.00	6,733.78	6,723.77	195.24	23.05	90.05	510.29	-10,262.13	3,085.25	2,910.91	174.35	17.696		
13,300.00	6,840.00	6,733.92	6,723.91	197.88	23.05	90.05	510.29	-10,262.13	3,012.28	2,833.45	178.83	16.844		
13,400.00	6,840.00	6,734.06	6,724.05	200.53	23.05	90.06	510.29	-10,262.13	2,940.90	2,757.44	183.46	16.030		
13,500.00	6,840.00	6,734.21	6,724.20	203.18	23.05	90.06	510.29	-10,262.13	2,871.23	2,683.00	188.24	15.253		
13,600.00	6,840.00	6,734.37	6,724.36	205.83	23.05	90.06	510.29	-10,262.13	2,803.40	2,610.25	193.15	14.514		
13,700.00	6,840.00	6,734.53	6,724.52	208.49	23.05	90.07	510.29	-10,262.13	2,737.53	2,539.34	198.19	13.812		
13,800.00	6,840.00	6,734.69	6,724.68	211.14	23.05	90.07	510.29	-10,262.13	2,673.79	2,470.43	203.35	13.148		
13,900.00	6,840.00	6,734.86	6,724.85	213.80	23.05	90.08	510.28	-10,262.13	2,612.32	2,403.70	208.62	12.522		
14,000.00	6,840.00	6,735.03	6,725.03	216.46	23.06	90.08	510.28	-10,262.13	2,553.28	2,339.32	213.97	11.933		
14,100.00	6,840.00	6,735.22	6,725.21	219.12	23.06	90.09	510.28	-10,262.13	2,496.86	2,277.48	219.38	11.382		
14,200.00	6,840.00	6,735.40	6,725.39	221.78	23.06	90.09	510.28	-10,262.13	2,443.23	2,218.41	224.82	10.868		
14,300.00	6,840.00	6,735.60	6,725.59	224.45	23.06	90.10	510.28	-10,262.13	2,392.58	2,162.32	230.26	10.391		
14,400.00	6,840.00	6,735.80	6,725.79	227.11	23.06	90.10	510.28	-10,262.13	2,345.10	2,109.44	235.65	9.951		
14,500.00	6,840.00	6,736.01	6,726.00	229.78	23.06	90.11	510.28	-10,262.13	2,300.99	2,060.01	240.97	9.549		
14,600.00	6,840.00	6,736.22	6,726.21	232.45	23.06	90.12	510.28	-10,262.13	2,260.44	2,014.29	246.16	9.183		
14,700.00	6,840.00	6,736.45	6,726.44	235.12	23.06	90.12	510.28	-10,262.13	2,223.66	1,972.50	251.16	8.854		
14,800.00	6,840.00	6,736.68	6,726.67	237.79	23.06	90.13	510.28	-10,262.14	2,190.82	1,934.91	255.92	8.561		
14,900.00	6,840.00	6,736.92	6,726.91	240.46	23.06	90.14	510.28	-10,262.14	2,162.12	1,901.74	260.38	8.304		
15,000.00	6,840.00	6,737.17	6,727.16	243.13	23.06	90.14	510.28	-10,262.14	2,137.71	1,873.22	264.49	8.082		
15,100.00	6,840.00	6,737.43	6,727.42	245.80	23.06	90.15	510.28	-10,262.14	2,117.75	1,849.56	268.19	7.896		
15,200.00	6,840.00	6,737.71	6,727.70	248.48	23.06	90.16	510.28	-10,262.14	2,102.36	1,830.92	271.44	7.745		
15,300.00	6,840.00	6,737.99	6,727.98	251.15	23.07	90.16	510.28	-10,262.14	2,091.65	1,817.46	274.18	7.629		
15,400.00	6,840.00	6,738.29	6,728.28	253.83	23.07	90.17	510.27	-10,262.14	2,085.67	1,809.29	276.39	7.546		
15,474.72	6,840.00	6,738.52	6,728.51	255.83	23.07	90.18	510.27	-10,262.14	2,084.34	1,806.66	277.67	7.506 CC		
15,500.00	6,840.00	6,738.60	6,728.59	256.51	23.07	90.18	510.27	-10,262.14	2,084.49	1,806.46	278.03	7.497 ES		
15,600.00	6,840.00	6,738.92	6,728.91	259.19	23.07	90.19	510.27	-10,262.14	2,088.10	1,808.99	279.10	7.481 SF		
15,700.00	6,840.00	6,739.26	6,729.25	261.87	23.07	90.20	510.27	-10,262.14	2,096.47	1,816.88	279.60	7.498		
15,800.00	6,840.00	6,739.61	6,729.60	264.55	23.07	90.21	510.27	-10,262.14	2,109.56	1,830.04	279.53	7.547		
15,900.00	6,840.00	6,739.99	6,729.98	267.23	23.07	90.22	510.27	-10,262.14	2,127.28	1,848.37	278.91	7.627		
16,000.00	6,840.00	6,740.38	6,730.37	269.91	23.07	90.23	510.27	-10,262.14	2,149.50	1,871.72	277.78	7.738		
16,100.00	6,840.00	6,740.79	6,730.78	272.59	23.07	90.24	510.27	-10,262.15	2,176.10	1,899.93	276.18	7.879		
16,200.00	6,840.00	6,741.22	6,731.21	275.28	23.08	90.25	510.27	-10,262.15	2,206.92	1,932.77	274.14	8.050		
16,300.00	6,840.00	6,741.68	6,731.67	277.96	23.08	90.27	510.26	-10,262.15	2,241.77	1,970.04	271.73	8.250		
16,400.00	6,840.00	6,742.16	6,732.15	280.64	23.08	90.28	510.26	-10,262.15	2,280.48	2,011.50	268.98	8.478		
16,500.00	6,840.00	6,742.67	6,732.66	283.33	23.08	90.29	510.26	-10,262.15	2,322.85	2,056.89	265.96	8.734		
16,600.00	6,840.00	6,743.20	6,733.19	286.02	23.08	90.31	510.26	-10,262.15	2,368.69	2,105.99	262.70	9.017		
16,700.00	6,840.00	6,743.77	6,733.77	288.70	23.08	90.32	510.26	-10,262.16	2,417.80	2,158.54	259.26	9.326		
16,800.00	6,840.00	6,744.38	6,734.37	291.39	23.09	90.34	510.25	-10,262.16	2,469.98	2,214.31	255.67	9.661		
16,900.00	6,840.00	6,745.03	6,735.02	294.08	23.09	90.36	510.25	-10,262.16	2,525.04	2,273.06	251.98	10.021		
17,000.00	6,840.00	6,745.72	6,735.71	296.77	23.09	90.38	510.25	-10,262.16	2,582.81	2,334.58	248.23	10.405		
17,100.00	6,840.00	6,746.45	6,736.44	299.46	23.09	90.40	510.25	-10,262.17	2,643.09	2,398.66	244.44	10.813		
17,200.00	6,840.00	6,747.24	6,737.23	302.14	23.10	90.42	510.24	-10,262.17	2,705.73	2,465.10	240.63	11.244		
17,300.00	6,840.00	6,748.09	6,738.08	304.84	23.10	90.44	510.24	-10,262.17	2,770.57	2,533.72	236.84	11.698		
17,400.00	6,840.00	6,749.00	6,738.99	307.53	23.10	90.47	510.24	-10,262.18	2,837.44	2,604.36	233.09	12.173		
17,500.00	6,840.00	6,749.98	6,739.98	310.22	23.11	90.49	510.23	-10,262.18	2,906.22	2,676.85	229.37	12.670		
17,600.00	6,840.00	6,751.05	6,741.04	312.91	23.11	90.52	510.23	-10,262.19	2,976.77	2,751.05	225.72	13.188		
17,700.00	6,840.00	6,752.21	6,742.20	315.60	23.11	90.56	510.22	-10,262.19	3,048.97	2,826.83	222.14	13.725		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ LIBSACK 8-4-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 712-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		
17,800.00	6,840.00	6,753.48	6,743.47	318.29	23.12	90.59	510.22	-10,262.20	3,122.70	2,904.06	218.64	14.282		
17,900.00	6,840.00	6,754.86	6,744.85	320.99	23.12	90.63	510.21	-10,262.21	3,197.86	2,982.64	215.23	14.858		
18,000.00	6,840.00	6,756.38	6,746.38	323.68	23.13	90.67	510.21	-10,262.22	3,274.35	3,062.45	211.90	15.452		
18,100.00	6,840.00	6,758.07	6,748.06	326.38	23.13	90.72	510.20	-10,262.23	3,352.07	3,143.41	208.66	16.065		
18,200.00	6,840.00	6,759.94	6,749.93	329.07	23.14	90.77	510.19	-10,262.24	3,430.95	3,225.43	205.52	16.694		
18,300.00	6,840.00	6,762.03	6,752.02	331.77	23.15	90.83	510.18	-10,262.25	3,510.91	3,308.43	202.47	17.340		
18,400.00	6,840.00	6,764.38	6,754.37	334.46	23.15	90.89	510.17	-10,262.27	3,591.87	3,392.34	199.52	18.002		
18,500.00	6,840.00	6,767.04	6,757.03	337.16	23.16	90.96	510.15	-10,262.29	3,673.76	3,477.10	196.67	18.680		
18,600.00	6,840.00	6,770.08	6,760.07	339.85	23.17	91.05	510.13	-10,262.31	3,756.53	3,562.63	193.90	19.373		
18,700.00	6,840.00	6,773.00	6,763.00	342.55	23.18	91.15	510.11	-10,262.33	3,840.01	3,648.27	191.74	20.170		
18,800.00	6,840.00	6,776.00	6,766.00	345.25	23.19	91.25	510.09	-10,262.35	3,924.37	3,734.89	189.59	21.000		
18,900.00	6,840.00	6,779.00	6,769.00	347.94	23.20	91.35	510.07	-10,262.37	4,009.45	3,822.14	187.52	21.860		
19,000.00	6,840.00	6,782.00	6,772.00	350.64	23.21	91.45	510.05	-10,262.39	4,095.21	3,910.98	185.52	22.760		
19,100.00	6,840.00	6,785.00	6,775.00	353.34	23.22	91.55	510.03	-10,262.41	4,181.60	3,998.38	183.59	23.700		
19,200.00	6,840.00	6,788.00	6,778.00	356.04	23.23	91.65	510.01	-10,262.43	4,268.58	4,087.29	181.72	24.680		
19,300.00	6,840.00	6,791.00	6,781.00	358.74	23.24	91.75	510.00	-10,262.45	4,356.12	4,176.68	179.90	25.700		
19,400.00	6,840.00	6,794.00	6,784.00	361.44	23.25	91.85	510.00	-10,262.47	4,444.19	4,266.52	178.12	26.760		
19,500.00	6,840.00	6,797.00	6,787.00	364.13	23.26	91.95	510.00	-10,262.49	4,532.75	4,356.79	176.40	27.860		
19,600.00	6,840.00	6,800.00	6,790.00	366.83	23.27	92.05	510.00	-10,262.51	4,621.78	4,447.46	174.72	29.000		
19,700.00	6,840.00	6,803.00	6,793.00	369.53	23.28	92.15	510.00	-10,262.53	4,711.37	4,538.62	173.09	30.180		
19,800.00	6,840.00	6,806.00	6,796.00	372.23	23.29	92.25	510.00	-10,262.55	4,801.25	4,630.35	171.50	31.400		
19,900.00	6,840.00	6,809.00	6,799.00	374.94	23.30	92.35	510.00	-10,262.57	4,891.53	4,722.41	169.95	32.660		
20,000.00	6,840.00	6,812.00	6,802.00	377.64	23.31	92.45	510.00	-10,262.59	4,982.18	4,814.78	168.44	33.960		
20,100.00	6,840.00	6,815.00	6,805.00	380.34	23.32	92.55	510.00	-10,262.61	5,073.18	4,911.45	166.96	35.300		
20,200.00	6,840.00	6,818.00	6,808.00	383.04	23.33	92.65	510.00	-10,262.63	5,164.51	5,004.40	165.51	36.680		
20,300.00	6,840.00	6,821.00	6,811.00	385.74	23.34	92.75	510.00	-10,262.65	5,256.05	5,091.46	164.09	38.100		
20,400.00	6,840.00	6,824.00	6,814.00	388.44	23.35	92.85	510.00	-10,262.67	5,347.99	5,184.58	162.70	39.560		
20,500.00	6,840.00	6,827.00	6,817.00	391.14	23.36	92.95	510.00	-10,262.69	5,440.23	5,277.94	161.34	41.060		
20,552.28	6,840.00	6,829.28	6,819.28	392.56	23.37	93.00	510.00	-10,262.70	5,488.55	5,286.83	160.97	41.720		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ LIBSACK 8-6-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 1141-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,900.00	2,746.15	3,964.43	3,915.44	17.76	2.09	43.89	-311.06	-10,520.14	9,967.21	9,951.66	15.55	641.154		
3,000.00	2,837.64	4,081.07	4,029.00	18.57	2.14	43.96	-333.44	-10,505.67	9,924.33	9,908.17	16.16	614.201		
3,100.00	2,929.14	3,100.00	4,121.49	19.38	1.76	44.02	-350.70	-10,493.63	9,881.20	9,864.72	16.48	599.630		
3,200.00	3,020.63	4,279.61	4,222.50	20.19	2.22	44.09	-369.76	-10,480.15	9,837.76	9,820.37	17.40	565.534		
3,300.00	3,112.13	4,339.31	4,280.66	21.00	2.25	44.13	-380.88	-10,472.51	9,794.53	9,776.51	18.03	543.299		
3,400.00	3,203.62	3,400.00	4,362.00	21.81	1.82	44.19	-396.18	-10,462.07	9,751.57	9,733.21	18.37	530.916		
3,500.00	3,295.12	4,511.00	4,448.03	22.63	2.33	44.25	-412.46	-10,450.92	9,708.51	9,689.23	19.28	503.452		
3,600.00	3,386.61	4,550.71	4,486.74	23.44	2.35	44.28	-419.84	-10,446.05	9,665.78	9,645.85	19.93	484.952		
3,700.00	3,478.10	4,606.91	4,541.56	24.25	2.37	44.32	-430.32	-10,439.42	9,623.47	9,602.89	20.58	467.703		
3,800.00	3,569.60	4,677.05	4,610.08	25.06	2.40	44.37	-442.90	-10,431.27	9,581.38	9,560.17	21.22	451.569		
3,900.00	3,661.09	4,728.28	4,660.23	25.88	2.42	44.41	-451.59	-10,425.42	9,539.56	9,517.69	21.87	436.174		
4,000.00	3,752.59	4,000.00	4,860.17	26.69	2.03	44.58	-485.89	-10,402.00	9,498.02	9,475.83	22.19	428.114		
4,100.00	3,844.08	5,001.21	4,927.28	27.50	2.55	44.63	-497.98	-10,393.53	9,455.37	9,432.26	23.11	409.227		
4,200.00	3,935.58	5,077.90	5,002.11	28.32	2.59	44.69	-512.05	-10,384.39	9,413.03	9,389.28	23.75	396.318		
4,300.00	4,027.07	5,115.49	5,038.80	29.13	2.61	44.71	-518.93	-10,380.01	9,370.96	9,346.54	24.42	383.737		
4,400.00	4,118.57	5,142.00	5,064.71	29.95	2.62	44.73	-523.70	-10,377.05	9,329.44	9,304.34	25.10	371.699		
4,500.00	4,210.06	5,205.00	5,126.40	30.76	2.65	44.78	-534.60	-10,370.38	9,288.40	9,262.64	25.76	360.557		
4,600.00	4,301.56	5,302.13	5,221.64	31.58	2.69	44.87	-550.83	-10,360.30	9,247.61	9,221.20	26.41	350.219		
4,700.00	4,393.05	5,354.43	5,272.96	32.39	2.71	44.92	-559.28	-10,354.79	9,206.78	9,179.70	27.08	339.996		
4,800.00	4,484.55	5,393.00	5,310.89	33.21	2.73	44.95	-565.09	-10,351.00	9,166.53	9,138.77	27.77	330.142		
4,900.00	4,576.04	5,421.85	5,339.33	34.02	2.74	44.98	-569.21	-10,348.33	9,126.86	9,098.40	28.46	320.671		
5,000.00	4,667.54	5,466.64	5,383.52	34.84	2.76	45.03	-575.28	-10,344.40	9,087.75	9,058.60	29.15	311.738		
5,100.00	4,759.03	5,559.44	5,475.16	35.65	2.80	45.13	-587.52	-10,336.34	9,048.78	9,018.96	29.81	303.510		
5,200.00	4,850.53	5,608.05	5,523.18	36.47	2.82	45.19	-593.90	-10,332.23	9,010.07	8,979.56	30.51	295.340		
5,300.00	4,942.02	5,646.00	5,560.67	37.28	2.83	45.23	-598.93	-10,329.25	8,971.91	8,940.70	31.21	287.452		
5,400.00	5,033.51	5,676.32	5,590.65	38.10	2.84	45.27	-602.89	-10,327.05	8,934.35	8,902.43	31.92	279.857		
5,500.00	5,125.01	5,922.48	5,834.40	38.92	2.95	45.57	-631.58	-10,308.42	8,897.04	8,864.55	32.49	273.874		
5,600.00	5,216.50	6,030.14	5,940.62	39.73	3.00	45.69	-646.53	-10,299.12	8,858.21	8,825.07	33.14	267.268		
5,700.00	5,308.00	6,224.86	6,131.95	40.55	3.11	45.88	-678.25	-10,281.80	8,819.28	8,785.56	33.72	261.540		
5,800.00	5,399.49	6,273.00	6,179.12	41.36	3.13	45.92	-686.66	-10,277.26	8,779.51	8,745.09	34.43	255.022		
5,900.00	5,490.99	6,304.30	6,209.83	42.18	3.15	45.95	-692.07	-10,274.49	8,740.30	8,705.15	35.15	248.647		
6,000.00	5,582.48	6,336.00	6,240.99	43.00	3.16	45.98	-697.30	-10,271.89	8,701.75	8,665.87	35.88	242.521		
6,100.00	5,673.98	6,383.73	6,288.00	43.81	3.18	46.03	-704.66	-10,268.22	8,663.77	8,627.17	36.60	236.728		
6,200.00	5,765.47	6,454.79	6,358.16	44.63	3.21	46.11	-714.60	-10,262.95	8,626.17	8,588.87	37.30	231.274		
6,300.00	5,856.97	6,502.43	6,405.29	45.45	3.23	46.17	-720.67	-10,259.51	8,588.89	8,550.86	38.03	225.874		
6,400.00	5,948.46	6,543.78	6,446.27	46.26	3.24	46.23	-725.42	-10,256.71	8,552.14	8,513.38	38.76	220.630		
6,500.00	6,039.96	6,584.00	6,486.20	47.08	3.26	46.29	-729.54	-10,254.20	8,515.99	8,476.49	39.51	215.565		
6,600.00	6,131.45	6,618.07	6,520.07	47.90	3.27	46.34	-732.69	-10,252.26	8,480.47	8,440.21	40.26	210.651		
6,700.00	6,222.95	6,646.00	6,547.86	48.71	3.28	46.38	-735.07	-10,250.82	8,445.60	8,404.58	41.02	205.885		
6,800.00	6,314.44	6,710.00	6,611.61	49.53	3.30	46.48	-739.94	-10,247.87	8,411.31	8,369.56	41.76	201.441		
6,900.00	6,405.93	6,735.37	6,636.90	50.35	3.31	46.53	-741.68	-10,246.86	8,377.62	8,335.09	42.53	196.989		
7,000.00	6,497.01	6,772.00	6,673.43	51.18	3.32	41.70	-744.07	-10,245.64	8,343.44	8,300.14	43.30	192.697		
7,100.00	6,582.62	6,772.00	6,673.43	52.20	3.32	33.59	-744.07	-10,245.64	8,297.24	8,253.11	44.12	188.041		
7,200.00	6,659.25	6,807.60	6,708.96	53.42	3.33	29.60	-746.16	-10,244.82	8,236.93	8,192.02	44.91	183.415		
7,300.00	6,724.59	6,835.00	6,736.32	54.84	3.34	28.17	-747.53	-10,244.50	8,164.40	8,118.75	45.65	178.839		
7,400.00	6,776.64	6,835.00	6,736.32	56.40	3.34	28.97	-747.53	-10,244.50	8,081.44	8,035.10	46.34	174.405		
7,500.00	6,813.82	6,835.00	6,736.32	58.08	3.34	33.38	-747.53	-10,244.50	7,990.48	7,943.57	46.91	170.347		
7,600.00	6,835.01	6,835.00	6,736.32	59.82	3.34	48.46	-747.53	-10,244.50	7,894.06	7,846.73	47.34	166.761		
7,700.00	6,840.00	6,835.00	6,736.32	61.57	3.34	91.89	-747.53	-10,244.50	7,794.98	7,747.36	47.62	163.696		
7,800.00	6,840.00	6,835.00	6,736.32	63.35	3.34	91.89	-747.53	-10,244.50	7,695.55	7,647.69	47.86	160.804		
7,900.00	6,840.00	6,835.00	6,736.32	65.20	3.34	91.89	-747.53	-10,244.50	7,596.14	7,548.03	48.10	157.916		
8,000.00	6,840.00	6,835.00	6,736.32	67.10	3.34	91.89	-747.53	-10,244.50	7,496.74	7,448.38	48.36	155.032		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ LIBSACK 8-6-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 1141-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,100.00	6,840.00	6,835.00	6,736.32	69.05	3.34	91.89	-747.53	-10,244.50	7,397.36	7,348.74	48.62	152.151		
8,200.00	6,840.00	6,835.00	6,736.32	71.06	3.34	91.89	-747.53	-10,244.50	7,297.99	7,249.10	48.89	149.276		
8,300.00	6,840.00	6,835.00	6,736.32	73.11	3.34	91.89	-747.53	-10,244.50	7,198.64	7,149.48	49.17	146.405		
8,400.00	6,840.00	6,835.00	6,736.32	75.21	3.34	91.89	-747.53	-10,244.50	7,099.32	7,049.86	49.46	143.539		
8,500.00	6,840.00	6,835.00	6,736.32	77.34	3.34	91.89	-747.53	-10,244.50	7,000.01	6,950.25	49.76	140.679		
8,600.00	6,840.00	6,835.00	6,736.32	79.51	3.34	91.89	-747.53	-10,244.50	6,900.72	6,850.65	50.07	137.824		
8,700.00	6,840.00	6,835.00	6,736.32	81.72	3.34	91.89	-747.53	-10,244.50	6,801.45	6,751.06	50.39	134.977		
8,800.00	6,840.00	6,835.00	6,736.32	83.95	3.34	91.89	-747.53	-10,244.50	6,702.20	6,651.48	50.72	132.136		
8,900.00	6,840.00	6,835.00	6,736.32	86.22	3.34	91.89	-747.53	-10,244.50	6,602.98	6,551.91	51.07	129.302		
9,000.00	6,840.00	6,835.00	6,736.32	88.51	3.34	91.89	-747.53	-10,244.50	6,503.78	6,452.35	51.42	126.476		
9,100.00	6,840.00	6,835.00	6,736.32	90.83	3.34	91.89	-747.53	-10,244.50	6,404.60	6,352.81	51.79	123.658		
9,200.00	6,840.00	6,835.00	6,736.32	93.16	3.34	91.89	-747.53	-10,244.50	6,305.45	6,253.28	52.18	120.849		
9,300.00	6,840.00	6,835.00	6,736.32	95.52	3.34	91.89	-747.53	-10,244.50	6,206.33	6,153.76	52.57	118.049		
9,400.00	6,840.00	6,835.00	6,736.32	97.90	3.34	91.89	-747.53	-10,244.50	6,107.24	6,054.25	52.99	115.259		
9,500.00	6,840.00	6,835.00	6,736.32	100.30	3.34	91.89	-747.53	-10,244.50	6,008.17	5,954.76	53.42	112.479		
9,600.00	6,840.00	6,835.00	6,736.32	102.72	3.34	91.89	-747.53	-10,244.50	5,909.14	5,855.28	53.86	109.710		
9,700.00	6,840.00	6,835.00	6,736.32	105.15	3.34	91.89	-747.53	-10,244.50	5,810.14	5,755.82	54.32	106.952		
9,800.00	6,840.00	6,835.00	6,736.32	107.59	3.34	91.89	-747.53	-10,244.50	5,711.18	5,656.37	54.81	104.206		
9,900.00	6,840.00	6,835.00	6,736.32	110.05	3.34	91.89	-747.53	-10,244.50	5,612.25	5,556.94	55.31	101.473		
10,000.00	6,840.00	6,835.00	6,736.32	112.52	3.34	91.89	-747.53	-10,244.50	5,513.36	5,457.53	55.83	98.753		
10,100.00	6,840.00	6,835.00	6,736.32	115.00	3.34	91.89	-747.53	-10,244.50	5,414.52	5,358.14	56.37	96.047		
10,200.00	6,840.00	6,852.71	6,754.02	117.50	3.34	93.12	-748.33	-10,244.43	5,315.63	5,258.74	56.89	93.434		
10,300.00	6,840.00	6,852.65	6,753.95	120.00	3.34	93.12	-748.32	-10,244.43	5,216.87	5,159.39	57.48	90.756		
10,400.00	6,840.00	6,852.58	6,753.88	122.51	3.34	93.11	-748.32	-10,244.43	5,118.16	5,060.06	58.10	88.095		
10,500.00	6,840.00	6,852.51	6,753.82	125.04	3.34	93.11	-748.32	-10,244.43	5,019.50	4,960.76	58.74	85.450		
10,600.00	6,840.00	6,852.44	6,753.75	127.57	3.34	93.10	-748.32	-10,244.43	4,920.89	4,861.48	59.41	82.824		
10,700.00	6,840.00	6,852.37	6,753.67	130.11	3.34	93.10	-748.31	-10,244.43	4,822.35	4,762.23	60.12	80.215		
10,800.00	6,840.00	6,852.30	6,753.60	132.66	3.34	93.09	-748.31	-10,244.43	4,723.86	4,663.01	60.85	77.626		
10,900.00	6,840.00	6,852.22	6,753.53	135.21	3.34	93.09	-748.31	-10,244.43	4,625.44	4,563.81	61.63	75.057		
11,000.00	6,840.00	6,852.15	6,753.45	137.77	3.34	93.08	-748.30	-10,244.43	4,527.08	4,464.65	62.43	72.509		
11,100.00	6,840.00	6,852.07	6,753.37	140.34	3.34	93.08	-748.30	-10,244.43	4,428.80	4,365.52	63.28	69.983		
11,200.00	6,840.00	6,851.99	6,753.29	142.91	3.34	93.07	-748.30	-10,244.43	4,330.60	4,266.43	64.18	67.481		
11,300.00	6,840.00	6,851.91	6,753.21	145.49	3.34	93.06	-748.29	-10,244.43	4,232.49	4,167.37	65.11	65.002		
11,400.00	6,840.00	6,851.82	6,753.12	148.07	3.34	93.06	-748.29	-10,244.43	4,134.46	4,068.36	66.10	62.549		
11,500.00	6,840.00	6,851.73	6,753.04	150.66	3.34	93.05	-748.29	-10,244.43	4,036.53	3,969.39	67.14	60.123		
11,600.00	6,840.00	6,851.65	6,752.95	153.25	3.34	93.05	-748.28	-10,244.43	3,938.71	3,870.47	68.23	57.724		
11,700.00	6,840.00	6,851.55	6,752.86	155.85	3.34	93.04	-748.28	-10,244.43	3,840.99	3,771.60	69.39	55.354		
11,800.00	6,840.00	6,851.46	6,752.76	158.45	3.34	93.03	-748.27	-10,244.43	3,743.40	3,672.79	70.61	53.015		
11,900.00	6,840.00	6,851.36	6,752.67	161.06	3.34	93.03	-748.27	-10,244.43	3,645.94	3,574.04	71.90	50.707		
12,000.00	6,840.00	6,851.26	6,752.57	163.67	3.34	93.02	-748.26	-10,244.43	3,548.62	3,475.35	73.27	48.432		
12,100.00	6,840.00	6,851.16	6,752.47	166.28	3.34	93.01	-748.26	-10,244.43	3,451.45	3,376.73	74.72	46.191		
12,200.00	6,840.00	6,851.06	6,752.36	168.90	3.34	93.01	-748.26	-10,244.43	3,354.45	3,278.19	76.26	43.986		
12,300.00	6,840.00	6,850.95	6,752.25	171.52	3.34	93.00	-748.25	-10,244.43	3,257.63	3,179.73	77.90	41.819		
12,400.00	6,840.00	6,850.84	6,752.14	174.15	3.34	92.99	-748.25	-10,244.43	3,161.01	3,081.37	79.64	39.691		
12,500.00	6,840.00	6,850.73	6,752.03	176.77	3.34	92.98	-748.24	-10,244.43	3,064.60	2,983.10	81.50	37.603		
12,600.00	6,840.00	6,850.61	6,751.91	179.40	3.34	92.97	-748.24	-10,244.43	2,968.44	2,884.95	83.48	35.557		
12,700.00	6,840.00	6,850.49	6,751.79	182.04	3.34	92.97	-748.23	-10,244.43	2,872.53	2,786.93	85.60	33.556		
12,800.00	6,840.00	6,850.36	6,751.67	184.67	3.34	92.96	-748.23	-10,244.43	2,776.91	2,689.04	87.88	31.600		
12,900.00	6,840.00	6,850.23	6,751.54	187.31	3.34	92.95	-748.22	-10,244.43	2,681.62	2,591.30	90.31	29.692		
13,000.00	6,840.00	6,850.10	6,751.41	189.95	3.34	92.94	-748.21	-10,244.43	2,586.68	2,493.74	92.93	27.834		
13,100.00	6,840.00	6,849.96	6,751.27	192.59	3.34	92.93	-748.21	-10,244.43	2,492.13	2,396.38	95.75	26.027		
13,200.00	6,840.00	6,849.82	6,751.13	195.24	3.34	92.92	-748.20	-10,244.43	2,398.03	2,299.23	98.79	24.273		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ LIBSACK 8-6-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 1141-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,300.00	6,840.00	6,849.68	6,750.98	197.88	3.34	92.91	-748.20	-10,244.43	2,304.42	2,202.34	102.08	22.574		
13,400.00	6,840.00	6,849.53	6,750.83	200.53	3.34	92.90	-748.19	-10,244.43	2,211.37	2,105.73	105.64	20.933		
13,500.00	6,840.00	6,849.37	6,750.67	203.18	3.34	92.89	-748.18	-10,244.43	2,118.96	2,009.46	109.50	19.352		
13,600.00	6,840.00	6,849.21	6,750.51	205.83	3.34	92.88	-748.17	-10,244.43	2,027.27	1,913.58	113.69	17.831		
13,700.00	6,840.00	6,849.04	6,750.34	208.49	3.34	92.87	-748.17	-10,244.43	1,936.40	1,818.14	118.26	16.375		
13,800.00	6,840.00	6,848.87	6,750.17	211.14	3.34	92.85	-748.16	-10,244.44	1,846.47	1,723.23	123.24	14.983		
13,900.00	6,840.00	6,848.69	6,749.99	213.80	3.34	92.84	-748.15	-10,244.44	1,757.63	1,628.96	128.67	13.660		
14,000.00	6,840.00	6,848.50	6,749.80	216.46	3.34	92.83	-748.14	-10,244.44	1,670.06	1,535.44	134.62	12.406		
14,100.00	6,840.00	6,848.30	6,749.61	219.12	3.34	92.81	-748.14	-10,244.44	1,583.95	1,442.83	141.13	11.224		
14,200.00	6,840.00	6,848.10	6,749.41	221.78	3.34	92.80	-748.13	-10,244.44	1,499.57	1,351.33	148.25	10.115		
14,300.00	6,840.00	6,847.89	6,749.20	224.45	3.34	92.79	-748.12	-10,244.44	1,417.23	1,261.20	156.03	9.083		
14,400.00	6,840.00	6,847.67	6,748.98	227.11	3.34	92.77	-748.11	-10,244.44	1,337.30	1,172.77	164.53	8.128		
14,500.00	6,840.00	6,847.45	6,748.75	229.78	3.34	92.76	-748.10	-10,244.44	1,260.23	1,086.48	173.75	7.253		
14,600.00	6,840.00	6,847.21	6,748.52	232.45	3.34	92.74	-748.09	-10,244.44	1,186.59	1,002.89	183.70	6.459		
14,700.00	6,840.00	6,846.96	6,748.27	235.12	3.34	92.72	-748.08	-10,244.44	1,117.06	922.75	194.31	5.749		
14,800.00	6,840.00	6,846.70	6,748.01	237.79	3.34	92.70	-748.06	-10,244.44	1,052.44	847.02	205.42	5.123		
14,900.00	6,840.00	6,846.43	6,747.74	240.46	3.34	92.69	-748.05	-10,244.44	993.70	776.94	216.76	4.584		
15,000.00	6,840.00	6,846.15	6,747.46	243.13	3.34	92.67	-748.04	-10,244.44	941.95	714.04	227.91	4.133		
15,100.00	6,840.00	6,845.85	6,747.16	245.80	3.34	92.64	-748.03	-10,244.44	898.38	660.13	238.24	3.771		
15,200.00	6,840.00	6,845.54	6,746.85	248.48	3.34	92.62	-748.01	-10,244.45	864.23	617.23	247.00	3.499		
15,300.00	6,840.00	6,845.22	6,746.53	251.15	3.34	92.60	-748.00	-10,244.45	840.66	587.32	253.34	3.318		
15,400.00	6,840.00	6,844.87	6,746.18	253.83	3.34	92.58	-747.98	-10,244.45	828.57	572.02	256.55	3.230		
15,450.92	6,840.00	6,844.69	6,746.00	255.19	3.34	92.56	-747.97	-10,244.45	827.01	570.18	256.83	3.220	CC, ES, SF	
15,500.00	6,840.00	6,844.51	6,745.82	256.51	3.34	92.55	-747.97	-10,244.45	828.46	572.26	256.20	3.234		
15,600.00	6,840.00	6,844.13	6,745.44	259.19	3.34	92.53	-747.95	-10,244.45	840.33	588.02	252.32	3.330		
15,700.00	6,840.00	6,843.73	6,745.04	261.87	3.34	92.50	-747.93	-10,244.45	863.70	618.36	245.34	3.520		
15,800.00	6,840.00	6,843.31	6,744.62	264.55	3.34	92.47	-747.91	-10,244.45	897.66	661.64	236.02	3.803		
15,900.00	6,840.00	6,842.86	6,744.17	267.23	3.34	92.44	-747.89	-10,244.46	941.07	715.87	225.20	4.179		
16,000.00	6,840.00	6,842.38	6,743.69	269.91	3.34	92.40	-747.87	-10,244.46	992.68	779.03	213.65	4.646		
16,100.00	6,840.00	6,841.87	6,743.19	272.59	3.34	92.37	-747.85	-10,244.46	1,051.30	849.31	201.99	5.205		
16,200.00	6,840.00	6,841.33	6,742.65	275.28	3.34	92.33	-747.82	-10,244.46	1,115.82	925.19	190.63	5.853		
16,300.00	6,840.00	6,840.76	6,742.07	277.96	3.34	92.29	-747.80	-10,244.47	1,185.27	1,005.43	179.84	6.591		
16,400.00	6,840.00	6,840.14	6,741.46	280.64	3.34	92.25	-747.77	-10,244.47	1,258.84	1,089.07	169.77	7.415		
16,500.00	6,840.00	6,839.48	6,740.80	283.33	3.34	92.20	-747.74	-10,244.47	1,335.85	1,175.39	160.46	8.325		
16,600.00	6,840.00	6,838.80	6,740.11	286.02	3.34	92.16	-747.71	-10,244.48	1,415.73	1,263.82	151.91	9.319		
16,700.00	6,840.00	6,838.05	6,739.37	288.70	3.34	92.10	-747.67	-10,244.48	1,498.03	1,353.92	144.11	10.395		
16,800.00	6,840.00	6,837.24	6,738.56	291.39	3.34	92.05	-747.64	-10,244.49	1,582.38	1,445.38	136.99	11.551		
16,900.00	6,840.00	6,836.34	6,737.66	294.08	3.34	91.99	-747.59	-10,244.49	1,668.45	1,537.94	130.51	12.784		
17,000.00	6,840.00	6,835.34	6,736.66	296.77	3.34	91.92	-747.55	-10,244.50	1,756.00	1,631.39	124.61	14.092		
17,100.00	6,840.00	6,834.23	6,735.55	299.46	3.34	91.84	-747.50	-10,244.51	1,844.81	1,725.59	119.23	15.473		
17,200.00	6,840.00	6,832.99	6,734.31	302.14	3.34	91.75	-747.44	-10,244.52	1,934.72	1,820.40	114.31	16.925		
17,300.00	6,840.00	6,831.58	6,732.91	304.84	3.34	91.66	-747.37	-10,244.53	2,025.57	1,915.74	109.83	18.443		
17,400.00	6,840.00	6,829.99	6,731.31	307.53	3.34	91.55	-747.29	-10,244.54	2,117.25	2,011.53	105.72	20.027		
17,500.00	6,840.00	6,828.15	6,729.48	310.22	3.34	91.42	-747.21	-10,244.56	2,209.64	2,107.69	101.95	21.674		
17,600.00	6,840.00	6,826.02	6,727.35	312.91	3.34	91.27	-747.10	-10,244.58	2,302.68	2,204.19	98.49	23.380		
17,700.00	6,840.00	6,823.52	6,724.86	315.60	3.34	91.10	-746.98	-10,244.60	2,396.27	2,300.96	95.31	25.143		
17,800.00	6,840.00	6,820.55	6,721.89	318.29	3.34	90.89	-746.83	-10,244.64	2,490.36	2,397.99	92.37	26.960		
17,900.00	6,840.00	6,816.95	6,718.30	320.99	3.33	90.64	-746.65	-10,244.68	2,584.89	2,495.23	89.66	28.829		
18,000.00	6,840.00	6,812.51	6,713.86	323.68	3.33	90.34	-746.42	-10,244.75	2,679.82	2,592.66	87.16	30.747		
18,100.00	6,840.00	6,806.88	6,708.24	326.38	3.33	89.95	-746.12	-10,244.84	2,775.10	2,690.27	84.83	32.713		
18,200.00	6,840.00	6,799.53	6,700.90	329.07	3.33	89.44	-745.71	-10,244.97	2,870.70	2,788.02	82.68	34.723		
18,300.00	6,840.00	6,789.52	6,690.90	331.77	3.33	88.75	-745.14	-10,245.18	2,966.58	2,885.91	80.67	36.775		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ LIBSACK 8-6-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 1141-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,840.00	6,775.06	6,676.48	334.46	3.32	87.76	-744.26	-10,245.55	3,062.71	2,983.92	78.80	38.869		
18,500.00	6,840.00	6,766.28	6,667.72	337.16	3.32	87.15	-743.71	-10,245.81	3,159.08	3,082.02	77.06	40.994		
18,600.00	6,840.00	6,758.75	6,660.21	339.85	3.32	86.64	-743.22	-10,246.05	3,255.66	3,180.21	75.45	43.152		
18,700.00	6,840.00	6,750.38	6,651.87	342.55	3.31	86.07	-742.68	-10,246.33	3,352.43	3,278.49	73.94	45.341		
18,800.00	6,840.00	6,741.04	6,642.55	345.25	3.31	85.43	-742.06	-10,246.65	3,449.37	3,376.84	72.53	47.560		
18,900.00	6,840.00	6,730.52	6,632.07	347.94	3.31	84.72	-741.35	-10,247.04	3,546.48	3,475.27	71.21	49.805		
19,000.00	6,840.00	6,718.62	6,620.19	350.64	3.30	83.92	-740.54	-10,247.51	3,643.73	3,573.76	69.97	52.076		
19,100.00	6,840.00	6,708.05	6,609.66	353.34	3.30	83.21	-739.80	-10,247.96	3,741.11	3,672.30	68.81	54.368		
19,200.00	6,840.00	6,702.39	6,604.02	356.04	3.30	82.83	-739.40	-10,248.20	3,838.61	3,770.89	67.73	56.677		
19,300.00	6,840.00	6,696.57	6,598.22	358.74	3.30	82.44	-738.98	-10,248.46	3,936.24	3,869.53	66.71	59.003		
19,400.00	6,840.00	6,690.59	6,592.26	361.44	3.29	82.05	-738.55	-10,248.72	4,033.98	3,968.22	65.76	61.345		
19,500.00	6,840.00	6,684.43	6,586.13	364.13	3.29	81.64	-738.09	-10,249.00	4,131.82	4,066.95	64.86	63.702		
19,600.00	6,840.00	6,678.10	6,579.82	366.83	3.29	81.22	-737.61	-10,249.29	4,229.75	4,165.73	64.02	66.070		
19,700.00	6,840.00	6,671.57	6,573.32	369.53	3.29	80.79	-737.11	-10,249.59	4,327.77	4,264.54	63.23	68.449		
19,800.00	6,840.00	6,664.85	6,566.63	372.23	3.29	80.35	-736.59	-10,249.91	4,425.87	4,363.39	62.48	70.838		
19,900.00	6,840.00	6,657.93	6,559.74	374.94	3.28	79.90	-736.04	-10,250.24	4,524.05	4,462.27	61.78	73.233		
20,000.00	6,840.00	6,653.89	6,555.71	377.64	3.28	79.64	-735.71	-10,250.43	4,622.29	4,561.18	61.12	75.632		
20,100.00	6,840.00	6,641.66	6,543.54	380.34	3.28	78.85	-734.71	-10,251.03	4,720.61	4,660.12	60.49	78.042		
20,200.00	6,840.00	6,628.34	6,530.28	383.04	3.27	78.00	-733.58	-10,251.72	4,818.98	4,759.08	59.90	80.454		
20,300.00	6,840.00	6,613.77	6,515.79	385.74	3.27	77.07	-732.31	-10,252.50	4,917.40	4,858.06	59.34	82.865		
20,400.00	6,840.00	6,597.76	6,499.88	388.44	3.26	76.07	-730.84	-10,253.39	5,015.87	4,957.05	58.82	85.274		
20,500.00	6,840.00	6,581.80	6,484.02	391.14	3.26	75.09	-729.33	-10,254.33	5,114.38	5,056.05	58.33	87.678		
20,552.28	6,840.00	6,576.29	6,478.54	392.56	3.26	74.75	-728.79	-10,254.66	5,165.89	5,107.80	58.09	88.935		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ LORY 12N - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 144-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		
10,900.00	6,840.00	10,900.00	7,058.42	135.21	70.28	133.59	-1,298.29	-15,681.92	9,991.59	9,880.03	111.56	89.564		
11,000.00	6,840.00	11,000.00	7,058.49	137.77	71.85	133.87	-1,300.72	-15,681.99	9,891.65	9,778.33	113.31	87.294		
11,100.00	6,840.00	11,100.00	7,058.56	140.34	73.42	134.16	-1,303.15	-15,682.06	9,791.71	9,676.64	115.07	85.092		
11,200.00	6,840.00	13,089.00	7,059.07	142.91	106.07	136.41	-1,321.10	-15,682.58	9,691.78	9,543.16	148.63	65.210		
11,300.00	6,840.00	13,089.00	7,059.07	145.49	106.07	136.41	-1,321.10	-15,682.58	9,591.84	9,443.12	148.72	64.498		
11,400.00	6,840.00	13,089.00	7,059.07	148.07	106.07	136.41	-1,321.10	-15,682.58	9,491.90	9,343.09	148.81	63.787		
11,500.00	6,840.00	13,089.00	7,059.07	150.66	106.07	136.41	-1,321.10	-15,682.58	9,391.96	9,243.06	148.90	63.075		
11,600.00	6,840.00	13,089.00	7,059.07	153.25	106.07	136.41	-1,321.10	-15,682.58	9,292.02	9,143.03	149.00	62.364		
11,700.00	6,840.00	13,089.00	7,059.07	155.85	106.07	136.41	-1,321.10	-15,682.58	9,192.09	9,042.99	149.09	61.653		
11,800.00	6,840.00	13,089.00	7,059.07	158.45	106.07	136.41	-1,321.10	-15,682.58	9,092.15	8,942.96	149.19	60.942		
11,900.00	6,840.00	13,063.07	7,059.67	161.06	105.64	139.94	-1,347.02	-15,683.21	8,992.11	8,843.60	148.51	60.548		
12,000.00	6,840.00	13,062.26	7,059.69	163.67	105.62	140.05	-1,347.83	-15,683.23	8,892.18	8,743.59	148.58	59.847		
12,100.00	6,840.00	13,061.43	7,059.70	166.28	105.61	140.17	-1,348.66	-15,683.25	8,792.24	8,643.59	148.65	59.147		
12,200.00	6,840.00	13,060.59	7,059.72	168.90	105.60	140.29	-1,349.49	-15,683.28	8,692.30	8,543.58	148.72	58.446		
12,300.00	6,840.00	13,059.74	7,059.73	171.52	105.58	140.42	-1,350.34	-15,683.30	8,592.36	8,443.57	148.80	57.746		
12,400.00	6,840.00	13,058.88	7,059.75	174.15	105.57	140.54	-1,351.21	-15,683.32	8,492.43	8,343.56	148.87	57.046		
12,500.00	6,840.00	13,058.00	7,059.76	176.77	105.55	140.67	-1,352.08	-15,683.35	8,392.50	8,243.55	148.94	56.347		
12,600.00	6,840.00	13,057.11	7,059.77	179.40	105.54	140.80	-1,352.97	-15,683.37	8,292.57	8,143.55	149.02	55.648		
12,700.00	6,840.00	13,056.21	7,059.79	182.04	105.52	140.93	-1,353.88	-15,683.40	8,192.64	8,043.54	149.10	54.949		
12,800.00	6,840.00	13,055.29	7,059.80	184.67	105.51	141.06	-1,354.80	-15,683.42	8,092.71	7,943.53	149.17	54.250		
12,900.00	6,840.00	13,054.35	7,059.81	187.31	105.49	141.20	-1,355.73	-15,683.45	7,992.78	7,843.53	149.25	53.552		
13,000.00	6,840.00	13,053.40	7,059.83	189.95	105.48	141.34	-1,356.68	-15,683.48	7,892.85	7,743.52	149.33	52.855		
13,100.00	6,840.00	13,052.44	7,059.84	192.59	105.46	141.48	-1,357.65	-15,683.50	7,792.93	7,643.52	149.41	52.157		
13,200.00	6,840.00	13,051.46	7,059.85	195.24	105.44	141.63	-1,358.63	-15,683.53	7,693.01	7,543.51	149.49	51.460		
13,300.00	6,840.00	13,050.46	7,059.86	197.88	105.43	141.78	-1,359.62	-15,683.56	7,593.09	7,443.51	149.58	50.764		
13,400.00	6,840.00	13,049.45	7,059.88	200.53	105.41	141.93	-1,360.64	-15,683.59	7,493.17	7,343.51	149.66	50.068		
13,500.00	6,840.00	13,048.41	7,059.89	203.18	105.39	142.09	-1,361.67	-15,683.62	7,393.25	7,243.51	149.75	49.372		
13,600.00	6,840.00	13,047.37	7,059.90	205.83	105.38	142.24	-1,362.71	-15,683.65	7,293.34	7,143.50	149.83	48.677		
13,700.00	6,840.00	13,046.30	7,059.91	208.49	105.36	142.41	-1,363.78	-15,683.69	7,193.42	7,043.50	149.92	47.982		
13,800.00	6,840.00	13,045.21	7,059.92	211.14	105.34	142.57	-1,364.87	-15,683.72	7,093.51	6,943.51	150.01	47.288		
13,900.00	6,840.00	13,044.11	7,059.93	213.80	105.32	142.74	-1,365.97	-15,683.75	6,993.60	6,843.51	150.10	46.594		
14,000.00	6,840.00	13,042.99	7,059.94	216.46	105.30	142.91	-1,367.09	-15,683.79	6,893.70	6,743.51	150.19	45.901		
14,100.00	6,840.00	13,041.84	7,059.95	219.12	105.28	143.09	-1,368.24	-15,683.82	6,793.79	6,643.51	150.28	45.208		
14,200.00	6,840.00	13,040.68	7,059.96	221.78	105.26	143.27	-1,369.40	-15,683.86	6,693.89	6,543.52	150.37	44.516		
14,300.00	6,840.00	13,039.49	7,059.97	224.45	105.24	143.45	-1,370.58	-15,683.90	6,593.99	6,443.53	150.46	43.825		
14,400.00	6,840.00	13,038.29	7,059.98	227.11	105.22	143.64	-1,371.79	-15,683.93	6,494.09	6,343.53	150.56	43.133		
14,500.00	6,840.00	13,037.06	7,059.99	229.78	105.20	143.83	-1,373.02	-15,683.97	6,394.20	6,243.54	150.65	42.443		
14,600.00	6,840.00	13,035.80	7,060.00	232.45	105.18	144.03	-1,374.27	-15,684.01	6,294.31	6,143.56	150.75	41.753		
14,700.00	6,840.00	13,034.53	7,060.01	235.12	105.16	144.23	-1,375.55	-15,684.05	6,194.42	6,043.57	150.85	41.063		
14,800.00	6,840.00	13,033.23	7,060.01	237.79	105.14	144.44	-1,376.84	-15,684.10	6,094.53	5,943.58	150.95	40.375		
14,900.00	6,840.00	13,031.90	7,060.02	240.46	105.12	144.65	-1,378.17	-15,684.14	5,994.65	5,843.60	151.05	39.686		
15,000.00	6,840.00	13,030.55	7,060.02	243.13	105.10	144.86	-1,379.52	-15,684.18	5,894.77	5,743.62	151.15	38.999		
15,100.00	6,840.00	13,029.17	7,060.03	245.80	105.07	145.09	-1,380.90	-15,684.23	5,794.90	5,643.64	151.26	38.312		
15,200.00	6,840.00	13,027.77	7,060.03	248.48	105.05	145.31	-1,382.30	-15,684.28	5,695.03	5,543.67	151.36	37.626		
15,300.00	6,840.00	13,026.34	7,060.04	251.15	105.03	145.55	-1,383.73	-15,684.33	5,595.16	5,443.69	151.47	36.940		
15,400.00	6,840.00	13,024.88	7,060.04	253.83	105.00	145.79	-1,385.19	-15,684.38	5,495.29	5,343.72	151.57	36.255		
15,500.00	6,840.00	13,023.39	7,060.04	256.51	104.98	146.03	-1,386.68	-15,684.43	5,395.44	5,243.75	151.68	35.571		
15,600.00	6,840.00	13,021.87	7,060.04	259.19	104.95	146.28	-1,388.20	-15,684.48	5,295.58	5,143.79	151.79	34.887		
15,700.00	6,840.00	13,020.31	7,060.04	261.87	104.92	146.54	-1,389.75	-15,684.54	5,195.73	5,043.83	151.90	34.205		
15,800.00	6,840.00	13,018.73	7,060.04	264.55	104.90	146.81	-1,391.34	-15,684.59	5,095.88	4,943.87	152.01	33.522		
15,900.00	6,840.00	13,017.11	7,060.03	267.23	104.87	147.08	-1,392.96	-15,684.65	4,996.04	4,843.92	152.13	32.841		
16,000.00	6,840.00	13,015.45	7,060.03	269.91	104.84	147.36	-1,394.61	-15,684.71	4,896.21	4,743.97	152.24	32.161		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST HZ LORY 12N - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 144-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		
16,100.00	6,840.00	12,999.00	7,059.92	272.59	104.57	150.23	-1,411.05	-15,685.33	4,796.42	4,644.93	151.50	31.661		
16,200.00	6,840.00	12,999.00	7,059.92	275.28	104.57	150.23	-1,411.05	-15,685.33	4,696.59	4,544.90	151.70	30.961		
16,300.00	6,840.00	12,999.00	7,059.92	277.96	104.57	150.23	-1,411.05	-15,685.33	4,596.77	4,444.86	151.90	30.261		
16,400.00	6,840.00	12,999.00	7,059.92	280.64	104.57	150.23	-1,411.05	-15,685.33	4,496.95	4,344.83	152.12	29.562		
16,500.00	6,840.00	12,999.00	7,059.92	283.33	104.57	150.23	-1,411.05	-15,685.33	4,397.14	4,244.80	152.34	28.863		
16,600.00	6,840.00	12,999.00	7,059.92	286.02	104.57	150.23	-1,411.05	-15,685.33	4,297.34	4,144.77	152.58	28.165		
16,700.00	6,840.00	12,999.00	7,059.92	288.70	104.57	150.23	-1,411.05	-15,685.33	4,197.55	4,044.73	152.82	27.467		
16,800.00	6,840.00	12,999.00	7,059.92	291.39	104.57	150.23	-1,411.05	-15,685.33	4,097.77	3,944.70	153.07	26.770		
16,900.00	6,840.00	12,999.00	7,059.92	294.08	104.57	150.23	-1,411.05	-15,685.33	3,998.01	3,844.67	153.34	26.073		
17,000.00	6,840.00	12,999.00	7,059.92	296.77	104.57	150.23	-1,411.05	-15,685.33	3,898.25	3,744.63	153.62	25.376		
17,100.00	6,840.00	12,999.00	7,059.92	299.46	104.57	150.23	-1,411.05	-15,685.33	3,798.50	3,644.59	153.91	24.680		
17,200.00	6,840.00	12,999.00	7,059.92	302.14	104.57	150.23	-1,411.05	-15,685.33	3,698.77	3,544.56	154.22	23.984		
17,300.00	6,840.00	12,999.00	7,059.92	304.84	104.57	150.23	-1,411.05	-15,685.33	3,599.06	3,444.52	154.54	23.289		
17,400.00	6,840.00	12,987.52	7,059.81	307.53	104.38	152.33	-1,422.52	-15,685.80	3,499.33	3,345.40	153.93	22.733		
17,500.00	6,840.00	12,985.13	7,059.79	310.22	104.34	152.78	-1,424.90	-15,685.90	3,399.64	3,245.58	154.06	22.067		
17,600.00	6,840.00	12,982.70	7,059.77	312.91	104.30	153.24	-1,427.34	-15,686.00	3,299.96	3,145.77	154.18	21.403		
17,700.00	6,840.00	12,980.21	7,059.74	315.60	104.26	153.72	-1,429.82	-15,686.11	3,200.30	3,045.99	154.31	20.739		
17,800.00	6,840.00	12,977.68	7,059.72	318.29	104.21	154.21	-1,432.35	-15,686.21	3,100.65	2,946.21	154.44	20.077		
17,900.00	6,840.00	12,975.09	7,059.70	320.99	104.17	154.71	-1,434.94	-15,686.33	3,001.03	2,846.46	154.57	19.416		
18,000.00	6,840.00	12,972.45	7,059.68	323.68	104.13	155.23	-1,437.58	-15,686.44	2,901.43	2,746.73	154.70	18.756		
18,100.00	6,840.00	12,969.75	7,059.65	326.38	104.08	155.76	-1,440.27	-15,686.56	2,801.85	2,647.03	154.83	18.097		
18,200.00	6,840.00	12,966.99	7,059.63	329.07	104.04	156.31	-1,443.03	-15,686.68	2,702.30	2,547.34	154.96	17.439		
18,300.00	6,840.00	12,964.18	7,059.61	331.77	103.99	156.88	-1,445.84	-15,686.81	2,602.78	2,447.69	155.09	16.782		
18,400.00	6,840.00	12,961.30	7,059.59	334.46	103.94	157.46	-1,448.71	-15,686.94	2,503.30	2,348.08	155.22	16.127		
18,500.00	6,840.00	12,958.36	7,059.56	337.16	103.89	158.07	-1,451.65	-15,687.07	2,403.85	2,248.50	155.36	15.473		
18,600.00	6,840.00	12,955.36	7,059.54	339.85	103.84	158.69	-1,454.65	-15,687.21	2,304.45	2,148.96	155.49	14.820		
18,700.00	6,840.00	12,952.29	7,059.52	342.55	103.79	159.33	-1,457.71	-15,687.35	2,205.09	2,049.47	155.63	14.169		
18,800.00	6,840.00	12,949.15	7,059.50	345.25	103.74	159.99	-1,460.85	-15,687.50	2,105.79	1,950.03	155.76	13.519		
18,900.00	6,840.00	12,945.94	7,059.47	347.94	103.69	160.67	-1,464.06	-15,687.65	2,006.56	1,850.66	155.90	12.871		
19,000.00	6,840.00	12,942.65	7,059.45	350.64	103.63	161.37	-1,467.35	-15,687.81	1,907.39	1,751.35	156.04	12.224		
19,100.00	6,840.00	12,939.28	7,059.43	353.34	103.58	162.10	-1,470.71	-15,687.97	1,808.31	1,652.13	156.17	11.579		
19,200.00	6,840.00	12,935.84	7,059.41	356.04	103.52	162.85	-1,474.15	-15,688.14	1,709.32	1,553.01	156.31	10.935		
19,300.00	6,840.00	12,932.31	7,059.39	358.74	103.46	163.63	-1,477.67	-15,688.31	1,610.46	1,454.00	156.46	10.293		
19,400.00	6,840.00	12,928.70	7,059.37	361.44	103.40	164.43	-1,481.28	-15,688.49	1,511.73	1,355.13	156.60	9.653		
19,500.00	6,840.00	12,924.99	7,059.35	364.13	103.34	165.26	-1,484.98	-15,688.68	1,413.16	1,256.41	156.75	9.015		
19,600.00	6,840.00	12,921.20	7,059.33	366.83	103.28	166.11	-1,488.77	-15,688.87	1,314.81	1,157.89	156.91	8.379		
19,700.00	6,840.00	12,920.31	7,059.32	369.53	103.26	166.31	-1,489.66	-15,688.90	1,216.69	1,058.84	157.85	7.708		
19,800.00	6,840.00	12,914.74	7,059.29	372.23	103.17	167.58	-1,495.22	-15,689.21	1,118.91	961.24	157.67	7.096		
19,900.00	6,840.00	12,909.29	7,059.27	374.94	103.08	168.83	-1,500.66	-15,689.50	1,021.54	864.01	157.53	6.485		
20,000.00	6,840.00	12,903.96	7,059.25	377.64	102.99	170.07	-1,505.98	-15,689.78	924.70	767.25	157.44	5.873		
20,100.00	6,840.00	12,898.75	7,059.22	380.34	102.90	171.29	-1,511.19	-15,690.05	828.58	671.12	157.46	5.262		
20,200.00	6,840.00	12,893.65	7,059.20	383.04	102.82	172.49	-1,516.28	-15,690.32	733.46	575.81	157.65	4.653		
20,300.00	6,840.00	12,888.65	7,059.18	385.74	102.74	173.67	-1,521.27	-15,690.57	639.80	481.67	158.12	4.046		
20,400.00	6,840.00	12,883.77	7,059.16	388.44	102.65	174.83	-1,526.15	-15,690.82	548.34	389.24	159.09	3.447		
20,500.00	6,840.00	12,878.98	7,059.13	391.14	102.57	175.97	-1,530.93	-15,691.07	460.39	299.55	160.85	2.862		
20,552.28	6,840.00	12,876.52	7,059.12	392.56	102.53	176.56	-1,533.38	-15,691.19	416.57	254.39	162.18	2.569 CC, ES, SF		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST VERT ANDERSON 41-27 - 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		
6,700.00	6,222.95	6,089.95	6,089.95	48.71	105.33	64.87	2,744.16	-10,913.87	9,987.82	9,837.28	150.55	66.343		
6,800.00	6,314.44	6,181.44	6,181.44	49.53	106.93	65.07	2,744.16	-10,913.87	9,969.48	9,816.52	152.95	65.180		
6,900.00	6,405.93	6,272.93	6,272.93	50.35	108.52	65.26	2,744.16	-10,913.87	9,951.26	9,795.90	155.36	64.053		
7,000.00	6,497.01	6,364.01	6,364.01	51.18	110.11	60.77	2,744.16	-10,913.87	9,932.03	9,774.26	157.77	62.952		
7,100.00	6,582.62	6,449.62	6,449.62	52.20	111.61	53.76	2,744.16	-10,913.87	9,900.61	9,740.41	160.20	61.802		
7,200.00	6,659.25	6,526.25	6,526.25	53.42	112.94	51.43	2,744.16	-10,913.87	9,855.03	9,692.45	162.58	60.618		
7,300.00	6,724.59	6,608.41	6,591.59	54.84	114.38	52.40	2,744.16	-10,913.87	9,796.72	9,631.60	165.12	59.329		
7,400.00	6,776.64	6,643.64	6,643.64	56.40	114.99	56.49	2,744.16	-10,913.87	9,727.49	9,560.60	166.89	58.287		
7,500.00	6,813.82	6,680.82	6,680.82	58.08	115.64	64.27	2,744.16	-10,913.87	9,649.46	9,480.78	168.69	57.204		
7,600.00	6,835.01	6,702.01	6,702.01	59.82	116.01	76.79	2,744.16	-10,913.87	9,564.99	9,394.83	170.16	56.212		
7,700.00	6,840.00	6,707.00	6,707.00	61.57	116.10	90.00	2,744.16	-10,913.87	9,476.67	9,305.40	171.27	55.330		
7,800.00	6,840.00	6,707.00	6,707.00	63.35	116.10	90.00	2,744.16	-10,913.87	9,387.75	9,215.46	172.29	54.487		
7,900.00	6,840.00	6,707.00	6,707.00	65.20	116.10	90.00	2,744.16	-10,913.87	9,299.06	9,125.71	173.35	53.644		
8,000.00	6,840.00	6,707.00	6,707.00	67.10	116.10	90.00	2,744.16	-10,913.87	9,210.59	9,036.16	174.44	52.802		
8,100.00	6,840.00	6,707.00	6,707.00	69.05	116.10	90.00	2,744.16	-10,913.87	9,122.36	8,946.81	175.56	51.962		
8,200.00	6,840.00	6,707.00	6,707.00	71.06	116.10	90.00	2,744.16	-10,913.87	9,034.38	8,857.67	176.72	51.124		
8,300.00	6,840.00	6,707.00	6,707.00	73.11	116.10	90.00	2,744.16	-10,913.87	8,946.65	8,768.74	177.91	50.288		
8,400.00	6,840.00	6,707.00	6,707.00	75.21	116.10	90.00	2,744.16	-10,913.87	8,859.18	8,680.05	179.14	49.455		
8,500.00	6,840.00	6,707.00	6,707.00	77.34	116.10	90.00	2,744.16	-10,913.87	8,771.98	8,591.58	180.40	48.624		
8,600.00	6,840.00	6,707.00	6,707.00	79.51	116.10	90.00	2,744.16	-10,913.87	8,685.06	8,503.35	181.71	47.797		
8,700.00	6,840.00	6,707.00	6,707.00	81.72	116.10	90.00	2,744.16	-10,913.87	8,598.42	8,415.37	183.05	46.974		
8,800.00	6,840.00	6,707.00	6,707.00	83.95	116.10	90.00	2,744.16	-10,913.87	8,512.07	8,327.64	184.42	46.155		
8,900.00	6,840.00	6,707.00	6,707.00	86.22	116.10	90.00	2,744.16	-10,913.87	8,426.02	8,240.18	185.84	45.340		
9,000.00	6,840.00	6,707.00	6,707.00	88.51	116.10	90.00	2,744.16	-10,913.87	8,340.29	8,152.99	187.30	44.530		
9,100.00	6,840.00	6,707.00	6,707.00	90.83	116.10	90.00	2,744.16	-10,913.87	8,254.87	8,066.08	188.79	43.725		
9,200.00	6,840.00	6,707.00	6,707.00	93.16	116.10	90.00	2,744.16	-10,913.87	8,169.79	7,979.46	190.33	42.925		
9,300.00	6,840.00	6,707.00	6,707.00	95.52	116.10	90.00	2,744.16	-10,913.87	8,085.05	7,893.15	191.90	42.131		
9,400.00	6,840.00	6,707.00	6,707.00	97.90	116.10	90.00	2,744.16	-10,913.87	8,000.66	7,807.14	193.52	41.343		
9,500.00	6,840.00	6,707.00	6,707.00	100.30	116.10	90.00	2,744.16	-10,913.87	7,916.63	7,721.45	195.18	40.561		
9,600.00	6,840.00	6,707.00	6,707.00	102.72	116.10	90.00	2,744.16	-10,913.87	7,832.98	7,636.10	196.88	39.785		
9,700.00	6,840.00	6,707.00	6,707.00	105.15	116.10	90.00	2,744.16	-10,913.87	7,749.72	7,551.09	198.63	39.016		
9,800.00	6,840.00	6,707.00	6,707.00	107.59	116.10	90.00	2,744.16	-10,913.87	7,666.86	7,466.44	200.42	38.254		
9,900.00	6,840.00	6,707.00	6,707.00	110.05	116.10	90.00	2,744.16	-10,913.87	7,584.41	7,382.15	202.25	37.499		
10,000.00	6,840.00	6,707.00	6,707.00	112.52	116.10	90.00	2,744.16	-10,913.87	7,502.39	7,298.25	204.13	36.752		
10,100.00	6,840.00	6,707.00	6,707.00	115.00	116.10	90.00	2,744.16	-10,913.87	7,420.80	7,214.74	206.06	36.013		
10,200.00	6,840.00	6,707.00	6,707.00	117.50	116.10	90.00	2,744.16	-10,913.87	7,339.68	7,131.65	208.03	35.281		
10,300.00	6,840.00	6,707.00	6,707.00	120.00	116.10	90.00	2,744.16	-10,913.87	7,259.02	7,048.97	210.05	34.558		
10,400.00	6,840.00	6,707.00	6,707.00	122.51	116.10	90.00	2,744.16	-10,913.87	7,178.85	6,966.73	212.12	33.843		
10,500.00	6,840.00	6,707.00	6,707.00	125.04	116.10	90.00	2,744.16	-10,913.87	7,099.19	6,884.95	214.24	33.137		
10,600.00	6,840.00	6,707.00	6,707.00	127.57	116.10	90.00	2,744.16	-10,913.87	7,020.05	6,803.64	216.41	32.439		
10,700.00	6,840.00	6,707.00	6,707.00	130.11	116.10	90.00	2,744.16	-10,913.87	6,941.44	6,722.82	218.62	31.751		
10,800.00	6,840.00	6,707.00	6,707.00	132.66	116.10	90.00	2,744.16	-10,913.87	6,863.39	6,642.50	220.89	31.071		
10,900.00	6,840.00	6,707.00	6,707.00	135.21	116.10	90.00	2,744.16	-10,913.87	6,785.92	6,562.71	223.21	30.402		
11,000.00	6,840.00	6,707.00	6,707.00	137.77	116.10	90.00	2,744.16	-10,913.87	6,709.04	6,483.46	225.58	29.741		
11,100.00	6,840.00	6,707.00	6,707.00	140.34	116.10	90.00	2,744.16	-10,913.87	6,632.78	6,404.77	228.00	29.091		
11,200.00	6,840.00	6,707.00	6,707.00	142.91	116.10	90.00	2,744.16	-10,913.87	6,557.15	6,326.67	230.48	28.450		
11,300.00	6,840.00	6,707.00	6,707.00	145.49	116.10	90.00	2,744.16	-10,913.87	6,482.19	6,249.18	233.01	27.819		
11,400.00	6,840.00	6,707.00	6,707.00	148.07	116.10	90.00	2,744.16	-10,913.87	6,407.91	6,172.32	235.60	27.199		
11,500.00	6,840.00	6,707.00	6,707.00	150.66	116.10	90.00	2,744.16	-10,913.87	6,334.34	6,096.11	238.23	26.589		
11,600.00	6,840.00	6,707.00	6,707.00	153.25	116.10	90.00	2,744.16	-10,913.87	6,261.50	6,020.58	240.93	25.989		
11,700.00	6,840.00	6,707.00	6,707.00	155.85	116.10	90.00	2,744.16	-10,913.87	6,189.42	5,945.75	243.68	25.400		
11,800.00	6,840.00	6,707.00	6,707.00	158.45	116.10	90.00	2,744.16	-10,913.87	6,118.13	5,871.65	246.48	24.822		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST VERT ANDERSON 41-27 - 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		
11,900.00	6,840.00	6,707.00	6,707.00	161.06	116.10	90.00	2,744.16	-10,913.87	6,047.65	5,798.31	249.34	24.255		
12,000.00	6,840.00	6,707.00	6,707.00	163.67	116.10	90.00	2,744.16	-10,913.87	5,978.01	5,725.76	252.25	23.699		
12,100.00	6,840.00	6,707.00	6,707.00	166.28	116.10	90.00	2,744.16	-10,913.87	5,909.24	5,654.02	255.22	23.153		
12,200.00	6,840.00	6,707.00	6,707.00	168.90	116.10	90.00	2,744.16	-10,913.87	5,841.38	5,583.13	258.24	22.620		
12,300.00	6,840.00	6,707.00	6,707.00	171.52	116.10	90.00	2,744.16	-10,913.87	5,774.44	5,513.12	261.32	22.097		
12,400.00	6,840.00	6,707.00	6,707.00	174.15	116.10	90.00	2,744.16	-10,913.87	5,708.48	5,444.03	264.45	21.586		
12,500.00	6,840.00	6,707.00	6,707.00	176.77	116.10	90.00	2,744.16	-10,913.87	5,643.52	5,375.88	267.63	21.087		
12,600.00	6,840.00	6,707.00	6,707.00	179.40	116.10	90.00	2,744.16	-10,913.87	5,579.59	5,308.72	270.87	20.599		
12,700.00	6,840.00	6,707.00	6,707.00	182.04	116.10	90.00	2,744.16	-10,913.87	5,516.74	5,242.58	274.15	20.123		
12,800.00	6,840.00	6,707.00	6,707.00	184.67	116.10	90.00	2,744.16	-10,913.87	5,454.99	5,177.50	277.49	19.659		
12,900.00	6,840.00	6,707.00	6,707.00	187.31	116.10	90.00	2,744.16	-10,913.87	5,394.39	5,113.53	280.87	19.206		
13,000.00	6,840.00	6,707.00	6,707.00	189.95	116.10	90.00	2,744.16	-10,913.87	5,334.98	5,050.69	284.29	18.766		
13,100.00	6,840.00	6,707.00	6,707.00	192.59	116.10	90.00	2,744.16	-10,913.87	5,276.79	4,989.03	287.76	18.337		
13,200.00	6,840.00	6,707.00	6,707.00	195.24	116.10	90.00	2,744.16	-10,913.87	5,219.87	4,928.60	291.27	17.921		
13,300.00	6,840.00	6,707.00	6,707.00	197.88	116.10	90.00	2,744.16	-10,913.87	5,164.26	4,869.45	294.82	17.517		
13,400.00	6,840.00	6,707.00	6,707.00	200.53	116.10	90.00	2,744.16	-10,913.87	5,110.01	4,811.61	298.40	17.125		
13,500.00	6,840.00	6,707.00	6,707.00	203.18	116.10	90.00	2,744.16	-10,913.87	5,057.14	4,755.14	302.01	16.745		
13,600.00	6,840.00	6,707.00	6,707.00	205.83	116.10	90.00	2,744.16	-10,913.87	5,005.72	4,700.07	305.65	16.377		
13,700.00	6,840.00	6,707.00	6,707.00	208.49	116.10	90.00	2,744.16	-10,913.87	4,955.78	4,646.47	309.31	16.022		
13,800.00	6,840.00	6,707.00	6,707.00	211.14	116.10	90.00	2,744.16	-10,913.87	4,907.37	4,594.39	312.99	15.679		
13,900.00	6,840.00	6,707.00	6,707.00	213.80	116.10	90.00	2,744.16	-10,913.87	4,860.54	4,543.86	316.68	15.348		
14,000.00	6,840.00	6,707.00	6,707.00	216.46	116.10	90.00	2,744.16	-10,913.87	4,815.33	4,494.95	320.38	15.030		
14,100.00	6,840.00	6,707.00	6,707.00	219.12	116.10	90.00	2,744.16	-10,913.87	4,771.79	4,447.70	324.09	14.724		
14,200.00	6,840.00	6,707.00	6,707.00	221.78	116.10	90.00	2,744.16	-10,913.87	4,729.96	4,402.17	327.79	14.430		
14,300.00	6,840.00	6,707.00	6,707.00	224.45	116.10	90.00	2,744.16	-10,913.87	4,689.88	4,358.41	331.48	14.148		
14,400.00	6,840.00	6,707.00	6,707.00	227.11	116.10	90.00	2,744.16	-10,913.87	4,651.62	4,316.47	335.15	13.879		
14,500.00	6,840.00	6,707.00	6,707.00	229.78	116.10	90.00	2,744.16	-10,913.87	4,615.20	4,276.40	338.80	13.622		
14,600.00	6,840.00	6,707.00	6,707.00	232.45	116.10	90.00	2,744.16	-10,913.87	4,580.68	4,238.26	342.42	13.377		
14,700.00	6,840.00	6,707.00	6,707.00	235.12	116.10	90.00	2,744.16	-10,913.87	4,548.10	4,202.10	346.00	13.145		
14,800.00	6,840.00	6,707.00	6,707.00	237.79	116.10	90.00	2,744.16	-10,913.87	4,517.49	4,167.96	349.53	12.924		
14,900.00	6,840.00	6,707.00	6,707.00	240.46	116.10	90.00	2,744.16	-10,913.87	4,488.90	4,135.89	353.01	12.716		
15,000.00	6,840.00	6,707.00	6,707.00	243.13	116.10	90.00	2,744.16	-10,913.87	4,462.38	4,105.95	356.43	12.520		
15,100.00	6,840.00	6,707.00	6,707.00	245.80	116.10	90.00	2,744.16	-10,913.87	4,437.94	4,078.17	359.78	12.335		
15,200.00	6,840.00	6,707.00	6,707.00	248.48	116.10	90.00	2,744.16	-10,913.87	4,415.64	4,052.59	363.05	12.163		
15,300.00	6,840.00	6,707.00	6,707.00	251.15	116.10	90.00	2,744.16	-10,913.87	4,395.50	4,029.27	366.23	12.002		
15,400.00	6,840.00	6,707.00	6,707.00	253.83	116.10	90.00	2,744.16	-10,913.87	4,377.55	4,008.23	369.32	11.853		
15,500.00	6,840.00	6,707.00	6,707.00	256.51	116.10	90.00	2,744.16	-10,913.87	4,361.82	3,989.51	372.31	11.715		
15,600.00	6,840.00	6,707.00	6,707.00	259.19	116.10	90.00	2,744.16	-10,913.87	4,348.34	3,973.14	375.20	11.590		
15,700.00	6,840.00	6,707.00	6,707.00	261.87	116.10	90.00	2,744.16	-10,913.87	4,337.12	3,959.15	377.96	11.475		
15,800.00	6,840.00	6,707.00	6,707.00	264.55	116.10	90.00	2,744.16	-10,913.87	4,328.18	3,947.57	380.61	11.372		
15,900.00	6,840.00	6,707.00	6,707.00	267.23	116.10	90.00	2,744.16	-10,913.87	4,321.53	3,938.41	383.13	11.280		
16,000.00	6,840.00	6,707.00	6,707.00	269.91	116.10	90.00	2,744.16	-10,913.87	4,317.20	3,931.69	385.51	11.199		
16,100.00	6,840.00	6,707.00	6,707.00	272.59	116.10	90.00	2,744.16	-10,913.87	4,315.18	3,927.41	387.76	11.128		
16,137.30	6,840.00	6,707.00	6,707.00	273.59	116.10	90.00	2,744.16	-10,913.87	4,315.01	3,926.45	388.57	11.105 CC		
16,200.00	6,840.00	6,707.00	6,707.00	275.28	116.10	90.00	2,744.16	-10,913.87	4,315.47	3,925.60	389.87	11.069 ES		
16,300.00	6,840.00	6,707.00	6,707.00	277.96	116.10	90.00	2,744.16	-10,913.87	4,318.08	3,926.25	391.83	11.020		
16,400.00	6,840.00	6,707.00	6,707.00	280.64	116.10	90.00	2,744.16	-10,913.87	4,323.00	3,929.36	393.65	10.982		
16,500.00	6,840.00	6,707.00	6,707.00	283.33	116.10	90.00	2,744.16	-10,913.87	4,330.23	3,934.92	395.31	10.954		
16,600.00	6,840.00	6,707.00	6,707.00	286.02	116.10	90.00	2,744.16	-10,913.87	4,339.75	3,942.92	396.83	10.936		
16,700.00	6,840.00	6,707.00	6,707.00	288.70	116.10	90.00	2,744.16	-10,913.87	4,351.55	3,953.35	398.20	10.928 SF		
16,800.00	6,840.00	6,707.00	6,707.00	291.39	116.10	90.00	2,744.16	-10,913.87	4,365.61	3,966.20	399.41	10.930		
16,900.00	6,840.00	6,707.00	6,707.00	294.08	116.10	90.00	2,744.16	-10,913.87	4,381.90	3,981.43	400.47	10.942		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST VERT ANDERSON 41-27 - 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		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)						
17,000.00	6,840.00	6,707.00	6,707.00	296.77	116.10	90.00	2,744.16	-10,913.87	4,400.41	3,999.02	401.39	10.963		
17,100.00	6,840.00	6,707.00	6,707.00	299.46	116.10	90.00	2,744.16	-10,913.87	4,421.10	4,018.94	402.16	10.993		
17,200.00	6,840.00	6,707.00	6,707.00	302.14	116.10	90.00	2,744.16	-10,913.87	4,443.95	4,041.16	402.79	11.033		
17,300.00	6,840.00	6,707.00	6,707.00	304.84	116.10	90.00	2,744.16	-10,913.87	4,468.92	4,065.64	403.27	11.082		
17,400.00	6,840.00	6,707.00	6,707.00	307.53	116.10	90.00	2,744.16	-10,913.87	4,495.97	4,092.35	403.63	11.139		
17,500.00	6,840.00	6,707.00	6,707.00	310.22	116.10	90.00	2,744.16	-10,913.87	4,525.08	4,121.23	403.84	11.205		
17,600.00	6,840.00	6,707.00	6,707.00	312.91	116.10	90.00	2,744.16	-10,913.87	4,556.19	4,152.25	403.94	11.279		
17,700.00	6,840.00	6,707.00	6,707.00	315.60	116.10	90.00	2,744.16	-10,913.87	4,589.27	4,185.36	403.91	11.362		
17,800.00	6,840.00	6,707.00	6,707.00	318.29	116.10	90.00	2,744.16	-10,913.87	4,624.28	4,220.51	403.76	11.453		
17,900.00	6,840.00	6,707.00	6,707.00	320.99	116.10	90.00	2,744.16	-10,913.87	4,661.17	4,257.66	403.51	11.552		
18,000.00	6,840.00	6,707.00	6,707.00	323.68	116.10	90.00	2,744.16	-10,913.87	4,699.89	4,296.75	403.14	11.658		
18,100.00	6,840.00	6,707.00	6,707.00	326.38	116.10	90.00	2,744.16	-10,913.87	4,740.42	4,337.74	402.68	11.772		
18,200.00	6,840.00	6,707.00	6,707.00	329.07	116.10	90.00	2,744.16	-10,913.87	4,782.69	4,380.56	402.12	11.894		
18,300.00	6,840.00	6,707.00	6,707.00	331.77	116.10	90.00	2,744.16	-10,913.87	4,826.66	4,425.18	401.48	12.022		
18,400.00	6,840.00	6,707.00	6,707.00	334.46	116.10	90.00	2,744.16	-10,913.87	4,872.29	4,471.53	400.75	12.158		
18,500.00	6,840.00	6,707.00	6,707.00	337.16	116.10	90.00	2,744.16	-10,913.87	4,919.52	4,519.58	399.95	12.300		
18,600.00	6,840.00	6,707.00	6,707.00	339.85	116.10	90.00	2,744.16	-10,913.87	4,968.32	4,569.25	399.07	12.450		
18,700.00	6,840.00	6,707.00	6,707.00	342.55	116.10	90.00	2,744.16	-10,913.87	5,018.64	4,620.51	398.13	12.606		
18,800.00	6,840.00	6,707.00	6,707.00	345.25	116.10	90.00	2,744.16	-10,913.87	5,070.44	4,673.31	397.13	12.768		
18,900.00	6,840.00	6,707.00	6,707.00	347.94	116.10	90.00	2,744.16	-10,913.87	5,123.66	4,727.59	396.07	12.936		
19,000.00	6,840.00	6,707.00	6,707.00	350.64	116.10	90.00	2,744.16	-10,913.87	5,178.26	4,783.30	394.96	13.111		
19,100.00	6,840.00	6,707.00	6,707.00	353.34	116.10	90.00	2,744.16	-10,913.87	5,234.21	4,840.40	393.81	13.291		
19,200.00	6,840.00	6,707.00	6,707.00	356.04	116.10	90.00	2,744.16	-10,913.87	5,291.45	4,898.84	392.61	13.478		
19,300.00	6,840.00	6,707.00	6,707.00	358.74	116.10	90.00	2,744.16	-10,913.87	5,349.96	4,958.58	391.38	13.669		
19,400.00	6,840.00	6,707.00	6,707.00	361.44	116.10	90.00	2,744.16	-10,913.87	5,409.67	5,019.56	390.12	13.867		
19,500.00	6,840.00	6,707.00	6,707.00	364.13	116.10	90.00	2,744.16	-10,913.87	5,470.57	5,081.75	388.82	14.070		
19,600.00	6,840.00	6,707.00	6,707.00	366.83	116.10	90.00	2,744.16	-10,913.87	5,532.60	5,145.10	387.50	14.278		
19,700.00	6,840.00	6,707.00	6,707.00	369.53	116.10	90.00	2,744.16	-10,913.87	5,595.73	5,209.57	386.16	14.491		
19,800.00	6,840.00	6,707.00	6,707.00	372.23	116.10	90.00	2,744.16	-10,913.87	5,659.92	5,275.12	384.80	14.709		
19,900.00	6,840.00	6,707.00	6,707.00	374.94	116.10	90.00	2,744.16	-10,913.87	5,725.14	5,341.72	383.43	14.932		
20,000.00	6,840.00	6,707.00	6,707.00	377.64	116.10	90.00	2,744.16	-10,913.87	5,791.36	5,409.32	382.04	15.159		
20,100.00	6,840.00	6,707.00	6,707.00	380.34	116.10	90.00	2,744.16	-10,913.87	5,858.53	5,477.89	380.64	15.391		
20,200.00	6,840.00	6,707.00	6,707.00	383.04	116.10	90.00	2,744.16	-10,913.87	5,926.63	5,547.39	379.24	15.628		
20,300.00	6,840.00	6,707.00	6,707.00	385.74	116.10	90.00	2,744.16	-10,913.87	5,995.62	5,617.79	377.83	15.869		
20,400.00	6,840.00	6,707.00	6,707.00	388.44	116.10	90.00	2,744.16	-10,913.87	6,065.47	5,689.06	376.41	16.114		
20,500.00	6,840.00	6,707.00	6,707.00	391.14	116.10	90.00	2,744.16	-10,913.87	6,136.16	5,761.17	375.00	16.363		
20,552.28	6,840.00	6,707.00	6,707.00	392.56	116.10	90.00	2,744.16	-10,913.87	6,173.44	5,799.18	374.26	16.495		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST VERT HORN-LIBSACK 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		
4,800.00	4,484.55	4,359.55	4,359.55	33.21	75.13	43.85	-405.48	-11,219.94	9,992.35	9,890.96	101.39	98.552		
4,900.00	4,576.04	4,451.04	4,451.04	34.02	76.73	44.00	-405.48	-11,219.94	9,962.07	9,858.42	103.66	96.107		
5,000.00	4,667.54	4,542.54	4,542.54	34.84	78.32	44.16	-405.48	-11,219.94	9,931.86	9,825.94	105.92	93.766		
5,100.00	4,759.03	4,634.03	4,634.03	35.65	79.92	44.31	-405.48	-11,219.94	9,901.73	9,793.54	108.19	91.521		
5,200.00	4,850.53	4,725.53	4,725.53	36.47	81.52	44.47	-405.48	-11,219.94	9,871.67	9,761.21	110.46	89.367		
5,300.00	4,942.02	4,817.02	4,817.02	37.28	83.11	44.63	-405.48	-11,219.94	9,841.68	9,728.94	112.74	87.298		
5,400.00	5,033.51	4,908.51	4,908.51	38.10	84.71	44.79	-405.48	-11,219.94	9,811.77	9,696.75	115.01	85.311		
5,500.00	5,125.01	5,000.01	5,000.01	38.92	86.31	44.95	-405.48	-11,219.94	9,781.93	9,664.64	117.29	83.399		
5,600.00	5,216.50	5,108.50	5,091.50	39.73	88.20	45.11	-405.48	-11,219.94	9,752.17	9,632.30	119.87	81.357		
5,700.00	5,308.00	5,183.00	5,183.00	40.55	89.50	45.27	-405.48	-11,219.94	9,722.48	9,600.62	121.86	79.787		
5,800.00	5,399.49	5,274.49	5,274.49	41.36	91.10	45.43	-405.48	-11,219.94	9,692.87	9,568.73	124.14	78.079		
5,900.00	5,490.99	5,365.99	5,365.99	42.18	92.69	45.59	-405.48	-11,219.94	9,663.34	9,536.91	126.43	76.432		
6,000.00	5,582.48	5,457.48	5,457.48	43.00	94.29	45.76	-405.48	-11,219.94	9,633.89	9,505.16	128.72	74.842		
6,100.00	5,673.98	5,548.98	5,548.98	43.81	95.89	45.92	-405.48	-11,219.94	9,604.51	9,473.50	131.02	73.308		
6,200.00	5,765.47	5,640.47	5,640.47	44.63	97.48	46.09	-405.48	-11,219.94	9,575.22	9,441.91	133.31	71.825		
6,300.00	5,856.97	5,731.97	5,731.97	45.45	99.08	46.26	-405.48	-11,219.94	9,546.01	9,410.39	135.61	70.392		
6,400.00	5,948.46	5,823.46	5,823.46	46.26	100.68	46.42	-405.48	-11,219.94	9,516.87	9,378.96	137.91	69.006		
6,500.00	6,039.96	5,914.96	5,914.96	47.08	102.28	46.59	-405.48	-11,219.94	9,487.83	9,347.61	140.22	67.665		
6,600.00	6,131.45	6,006.45	6,006.45	47.90	103.87	46.76	-405.48	-11,219.94	9,458.86	9,316.33	142.52	66.366		
6,700.00	6,222.95	6,102.05	6,097.95	48.71	105.54	46.93	-405.48	-11,219.94	9,429.98	9,285.07	144.91	65.077		
6,800.00	6,314.44	6,189.44	6,189.44	49.53	107.07	47.10	-405.48	-11,219.94	9,401.18	9,254.03	147.15	63.890		
6,900.00	6,405.93	6,280.93	6,280.93	50.35	108.66	47.28	-405.48	-11,219.94	9,372.47	9,223.01	149.46	62.708		
7,000.00	6,497.01	6,372.01	6,372.01	51.18	110.25	42.56	-405.48	-11,219.94	9,342.62	9,190.85	151.78	61.556		
7,100.00	6,588.62	6,457.62	6,457.62	52.00	111.75	34.66	-405.48	-11,219.94	9,299.85	9,145.82	154.03	60.377		
7,200.00	6,659.25	6,534.25	6,534.25	53.42	113.08	30.87	-405.48	-11,219.94	9,242.27	9,086.13	156.14	59.194		
7,300.00	6,724.59	6,600.41	6,599.59	54.84	114.24	29.73	-405.48	-11,219.94	9,171.60	9,013.58	158.03	58.038		
7,400.00	6,776.64	6,651.64	6,651.64	56.40	115.13	31.10	-405.48	-11,219.94	9,090.00	8,930.40	159.59	56.958		
7,500.00	6,813.82	6,688.82	6,688.82	58.08	115.78	36.39	-405.48	-11,219.94	8,999.91	8,839.09	160.82	55.964		
7,600.00	6,835.01	6,710.01	6,710.01	59.82	116.15	52.44	-405.48	-11,219.94	8,904.05	8,742.41	161.64	55.086		
7,700.00	6,840.00	6,715.00	6,715.00	61.57	116.24	90.00	-405.48	-11,219.94	8,805.33	8,643.28	162.05	54.336		
7,800.00	6,840.00	6,715.00	6,715.00	63.35	116.24	90.00	-405.48	-11,219.94	8,706.22	8,543.87	162.34	53.629		
7,900.00	6,840.00	6,715.00	6,715.00	65.20	116.24	90.00	-405.48	-11,219.94	8,607.12	8,444.48	162.64	52.921		
8,000.00	6,840.00	6,715.00	6,715.00	67.10	116.24	90.00	-405.48	-11,219.94	8,508.05	8,345.11	162.95	52.214		
8,100.00	6,840.00	6,715.00	6,715.00	69.05	116.24	90.00	-405.48	-11,219.94	8,409.00	8,245.74	163.26	51.506		
8,200.00	6,840.00	6,715.00	6,715.00	71.06	116.24	90.00	-405.48	-11,219.94	8,309.98	8,146.39	163.59	50.798		
8,300.00	6,840.00	6,715.00	6,715.00	73.11	116.24	90.00	-405.48	-11,219.94	8,210.98	8,047.05	163.93	50.089		
8,400.00	6,840.00	6,715.00	6,715.00	75.21	116.24	90.00	-405.48	-11,219.94	8,112.00	7,947.72	164.27	49.381		
8,500.00	6,840.00	6,715.00	6,715.00	77.34	116.24	90.00	-405.48	-11,219.94	8,013.05	7,848.41	164.63	48.673		
8,600.00	6,840.00	6,715.00	6,715.00	79.51	116.24	90.00	-405.48	-11,219.94	7,914.12	7,749.12	165.00	47.964		
8,700.00	6,840.00	6,715.00	6,715.00	81.72	116.24	90.00	-405.48	-11,219.94	7,815.22	7,649.84	165.38	47.255		
8,800.00	6,840.00	6,715.00	6,715.00	83.95	116.24	90.00	-405.48	-11,219.94	7,716.35	7,550.57	165.78	46.547		
8,900.00	6,840.00	6,715.00	6,715.00	86.22	116.24	90.00	-405.48	-11,219.94	7,617.51	7,451.33	166.18	45.838		
9,000.00	6,840.00	6,715.00	6,715.00	88.51	116.24	90.00	-405.48	-11,219.94	7,518.70	7,352.10	166.60	45.130		
9,100.00	6,840.00	6,715.00	6,715.00	90.83	116.24	90.00	-405.48	-11,219.94	7,419.92	7,252.88	167.04	44.421		
9,200.00	6,840.00	6,715.00	6,715.00	93.16	116.24	90.00	-405.48	-11,219.94	7,321.18	7,153.69	167.48	43.713		
9,300.00	6,840.00	6,715.00	6,715.00	95.52	116.24	90.00	-405.48	-11,219.94	7,222.47	7,054.52	167.95	43.004		
9,400.00	6,840.00	6,715.00	6,715.00	97.90	116.24	90.00	-405.48	-11,219.94	7,123.79	6,955.36	168.43	42.296		
9,500.00	6,840.00	6,715.00	6,715.00	100.30	116.24	90.00	-405.48	-11,219.94	7,025.15	6,856.23	168.92	41.588		
9,600.00	6,840.00	6,715.00	6,715.00	102.72	116.24	90.00	-405.48	-11,219.94	6,926.56	6,757.12	169.43	40.881		
9,700.00	6,840.00	6,715.00	6,715.00	105.15	116.24	90.00	-405.48	-11,219.94	6,828.00	6,658.03	169.96	40.173		
9,800.00	6,840.00	6,715.00	6,715.00	107.59	116.24	90.00	-405.48	-11,219.94	6,729.48	6,558.97	170.51	39.466		
9,900.00	6,840.00	6,715.00	6,715.00	110.05	116.24	90.00	-405.48	-11,219.94	6,631.01	6,459.93	171.08	38.760		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST VERT HORN-LIBSACK 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		
10,000.00	6,840.00	6,715.00	6,715.00	112.52	116.24	90.00	-405.48	-11,219.94	6,532.59	6,360.92	171.67	38.054		
10,100.00	6,840.00	6,715.00	6,715.00	115.00	116.24	90.00	-405.48	-11,219.94	6,434.21	6,261.94	172.28	37.348		
10,200.00	6,840.00	6,715.00	6,715.00	117.50	116.24	90.00	-405.48	-11,219.94	6,335.89	6,162.98	172.91	36.643		
10,300.00	6,840.00	6,715.00	6,715.00	120.00	116.24	90.00	-405.48	-11,219.94	6,237.62	6,064.05	173.56	35.938		
10,400.00	6,840.00	6,715.00	6,715.00	122.51	116.24	90.00	-405.48	-11,219.94	6,139.40	5,965.16	174.24	35.235		
10,500.00	6,840.00	6,715.00	6,715.00	125.04	116.24	90.00	-405.48	-11,219.94	6,041.25	5,866.30	174.95	34.532		
10,600.00	6,840.00	6,715.00	6,715.00	127.57	116.24	90.00	-405.48	-11,219.94	5,943.15	5,767.47	175.68	33.829		
10,700.00	6,840.00	6,715.00	6,715.00	130.11	116.24	90.00	-405.48	-11,219.94	5,845.12	5,668.68	176.44	33.128		
10,800.00	6,840.00	6,715.00	6,715.00	132.66	116.24	90.00	-405.48	-11,219.94	5,747.16	5,569.93	177.23	32.428		
10,900.00	6,840.00	6,715.00	6,715.00	135.21	116.24	90.00	-405.48	-11,219.94	5,649.27	5,471.22	178.05	31.729		
11,000.00	6,840.00	6,715.00	6,715.00	137.77	116.24	90.00	-405.48	-11,219.94	5,551.45	5,372.55	178.90	31.030		
11,100.00	6,840.00	6,715.00	6,715.00	140.34	116.24	90.00	-405.48	-11,219.94	5,453.71	5,273.92	179.79	30.334		
11,200.00	6,840.00	6,715.00	6,715.00	142.91	116.24	90.00	-405.48	-11,219.94	5,356.06	5,175.34	180.72	29.638		
11,300.00	6,840.00	6,715.00	6,715.00	145.49	116.24	90.00	-405.48	-11,219.94	5,258.49	5,076.82	181.68	28.944		
11,400.00	6,840.00	6,715.00	6,715.00	148.07	116.24	90.00	-405.48	-11,219.94	5,161.02	4,978.34	182.68	28.251		
11,500.00	6,840.00	6,715.00	6,715.00	150.66	116.24	90.00	-405.48	-11,219.94	5,063.65	4,879.92	183.73	27.561		
11,600.00	6,840.00	6,715.00	6,715.00	153.25	116.24	90.00	-405.48	-11,219.94	4,966.38	4,781.56	184.82	26.872		
11,700.00	6,840.00	6,715.00	6,715.00	155.85	116.24	90.00	-405.48	-11,219.94	4,869.22	4,683.26	185.96	26.185		
11,800.00	6,840.00	6,715.00	6,715.00	158.45	116.24	90.00	-405.48	-11,219.94	4,772.18	4,585.03	187.15	25.500		
11,900.00	6,840.00	6,715.00	6,715.00	161.06	116.24	90.00	-405.48	-11,219.94	4,675.26	4,486.87	188.39	24.817		
12,000.00	6,840.00	6,715.00	6,715.00	163.67	116.24	90.00	-405.48	-11,219.94	4,578.48	4,388.79	189.69	24.137		
12,100.00	6,840.00	6,715.00	6,715.00	166.28	116.24	90.00	-405.48	-11,219.94	4,481.84	4,290.78	191.05	23.459		
12,200.00	6,840.00	6,715.00	6,715.00	168.90	116.24	90.00	-405.48	-11,219.94	4,385.34	4,192.87	192.48	22.784		
12,300.00	6,840.00	6,715.00	6,715.00	171.52	116.24	90.00	-405.48	-11,219.94	4,289.01	4,095.04	193.97	22.112		
12,400.00	6,840.00	6,715.00	6,715.00	174.15	116.24	90.00	-405.48	-11,219.94	4,192.85	3,997.32	195.54	21.443		
12,500.00	6,840.00	6,715.00	6,715.00	176.77	116.24	90.00	-405.48	-11,219.94	4,096.88	3,899.70	197.18	20.777		
12,600.00	6,840.00	6,715.00	6,715.00	179.40	116.24	90.00	-405.48	-11,219.94	4,001.10	3,802.19	198.90	20.116		
12,700.00	6,840.00	6,715.00	6,715.00	182.04	116.24	90.00	-405.48	-11,219.94	3,905.53	3,704.81	200.72	19.458		
12,800.00	6,840.00	6,715.00	6,715.00	184.67	116.24	90.00	-405.48	-11,219.94	3,810.19	3,607.56	202.63	18.804		
12,900.00	6,840.00	6,715.00	6,715.00	187.31	116.24	90.00	-405.48	-11,219.94	3,715.10	3,510.46	204.64	18.154		
13,000.00	6,840.00	6,715.00	6,715.00	189.95	116.24	90.00	-405.48	-11,219.94	3,620.27	3,413.51	206.76	17.510		
13,100.00	6,840.00	6,715.00	6,715.00	192.59	116.24	90.00	-405.48	-11,219.94	3,525.72	3,316.73	208.99	16.870		
13,200.00	6,840.00	6,715.00	6,715.00	195.24	116.24	90.00	-405.48	-11,219.94	3,431.49	3,220.14	211.35	16.236		
13,300.00	6,840.00	6,715.00	6,715.00	197.88	116.24	90.00	-405.48	-11,219.94	3,337.59	3,123.75	213.84	15.608		
13,400.00	6,840.00	6,715.00	6,715.00	200.53	116.24	90.00	-405.48	-11,219.94	3,244.05	3,027.58	216.48	14.986		
13,500.00	6,840.00	6,715.00	6,715.00	203.18	116.24	90.00	-405.48	-11,219.94	3,150.92	2,931.65	219.27	14.370		
13,600.00	6,840.00	6,715.00	6,715.00	205.83	116.24	90.00	-405.48	-11,219.94	3,058.21	2,835.99	222.23	13.762		
13,700.00	6,840.00	6,715.00	6,715.00	208.49	116.24	90.00	-405.48	-11,219.94	2,965.98	2,740.62	225.36	13.161		
13,800.00	6,840.00	6,715.00	6,715.00	211.14	116.24	90.00	-405.48	-11,219.94	2,874.27	2,645.58	228.69	12.568		
13,900.00	6,840.00	6,715.00	6,715.00	213.80	116.24	90.00	-405.48	-11,219.94	2,783.13	2,550.90	232.23	11.984		
14,000.00	6,840.00	6,715.00	6,715.00	216.46	116.24	90.00	-405.48	-11,219.94	2,692.62	2,456.62	236.00	11.409		
14,100.00	6,840.00	6,715.00	6,715.00	219.12	116.24	90.00	-405.48	-11,219.94	2,602.81	2,362.80	240.01	10.845		
14,200.00	6,840.00	6,715.00	6,715.00	221.78	116.24	90.00	-405.48	-11,219.94	2,513.76	2,269.48	244.28	10.290		
14,300.00	6,840.00	6,715.00	6,715.00	224.45	116.24	90.00	-405.48	-11,219.94	2,425.57	2,176.73	248.84	9.748		
14,400.00	6,840.00	6,715.00	6,715.00	227.11	116.24	90.00	-405.48	-11,219.94	2,338.33	2,084.63	253.70	9.217		
14,500.00	6,840.00	6,715.00	6,715.00	229.78	116.24	90.00	-405.48	-11,219.94	2,252.14	1,993.26	258.88	8.700		
14,600.00	6,840.00	6,715.00	6,715.00	232.45	116.24	90.00	-405.48	-11,219.94	2,167.15	1,902.73	264.42	8.196		
14,700.00	6,840.00	6,715.00	6,715.00	235.12	116.24	90.00	-405.48	-11,219.94	2,083.49	1,813.16	270.33	7.707		
14,800.00	6,840.00	6,715.00	6,715.00	237.79	116.24	90.00	-405.48	-11,219.94	2,001.33	1,724.70	276.63	7.235		
14,900.00	6,840.00	6,715.00	6,715.00	240.46	116.24	90.00	-405.48	-11,219.94	1,920.86	1,637.51	283.35	6.779		
15,000.00	6,840.00	6,715.00	6,715.00	243.13	116.24	90.00	-405.48	-11,219.94	1,842.31	1,551.81	290.49	6.342		
15,100.00	6,840.00	6,715.00	6,715.00	245.80	116.24	90.00	-405.48	-11,219.94	1,765.92	1,467.85	298.07	5.924		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST VERT HORN-LIBSACK 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		
15,200.00	6,840.00	6,715.00	6,715.00	248.48	116.24	90.00	-405.48	-11,219.94	1,692.00	1,385.91	306.09	5.528		
15,300.00	6,840.00	6,715.00	6,715.00	251.15	116.24	90.00	-405.48	-11,219.94	1,620.88	1,306.36	314.52	5.154		
15,400.00	6,840.00	6,715.00	6,715.00	253.83	116.24	90.00	-405.48	-11,219.94	1,552.95	1,229.62	323.33	4.803		
15,500.00	6,840.00	6,715.00	6,715.00	256.51	116.24	90.00	-405.48	-11,219.94	1,488.63	1,156.19	332.44	4.478		
15,600.00	6,840.00	6,715.00	6,715.00	259.19	116.24	90.00	-405.48	-11,219.94	1,428.43	1,086.67	341.76	4.180		
15,700.00	6,840.00	6,715.00	6,715.00	261.87	116.24	90.00	-405.48	-11,219.94	1,372.88	1,021.76	351.13	3.910		
15,800.00	6,840.00	6,715.00	6,715.00	264.55	116.24	90.00	-405.48	-11,219.94	1,322.57	962.22	360.35	3.670		
15,900.00	6,840.00	6,715.00	6,715.00	267.23	116.24	90.00	-405.48	-11,219.94	1,278.11	908.95	369.17	3.462		
16,000.00	6,840.00	6,715.00	6,715.00	269.91	116.24	90.00	-405.48	-11,219.94	1,240.15	862.86	377.29	3.287		
16,100.00	6,840.00	6,715.00	6,715.00	272.59	116.24	90.00	-405.48	-11,219.94	1,209.28	824.90	384.38	3.146		
16,200.00	6,840.00	6,715.00	6,715.00	275.28	116.24	90.00	-405.48	-11,219.94	1,186.06	795.96	390.10	3.040		
16,300.00	6,840.00	6,715.00	6,715.00	277.96	116.24	90.00	-405.48	-11,219.94	1,170.95	776.81	394.15	2.971		
16,400.00	6,840.00	6,715.00	6,715.00	280.64	116.24	90.00	-405.48	-11,219.94	1,164.27	767.97	396.30	2.938		
16,428.06	6,840.00	6,715.00	6,715.00	281.40	116.24	90.00	-405.48	-11,219.94	1,163.93	767.38	396.54	2.935	CC, ES, SF	
16,500.00	6,840.00	6,715.00	6,715.00	283.33	116.24	90.00	-405.48	-11,219.94	1,166.15	769.71	396.44	2.942		
16,600.00	6,840.00	6,715.00	6,715.00	286.02	116.24	90.00	-405.48	-11,219.94	1,176.56	781.97	394.59	2.982		
16,700.00	6,840.00	6,715.00	6,715.00	288.70	116.24	90.00	-405.48	-11,219.94	1,195.27	804.38	390.89	3.058		
16,800.00	6,840.00	6,715.00	6,715.00	291.39	116.24	90.00	-405.48	-11,219.94	1,221.91	836.33	385.58	3.169		
16,900.00	6,840.00	6,715.00	6,715.00	294.08	116.24	90.00	-405.48	-11,219.94	1,255.97	876.99	378.98	3.314		
17,000.00	6,840.00	6,715.00	6,715.00	296.77	116.24	90.00	-405.48	-11,219.94	1,296.86	925.45	371.41	3.492		
17,100.00	6,840.00	6,715.00	6,715.00	299.46	116.24	90.00	-405.48	-11,219.94	1,343.96	980.77	363.19	3.700		
17,200.00	6,840.00	6,715.00	6,715.00	302.14	116.24	90.00	-405.48	-11,219.94	1,396.64	1,042.04	354.60	3.939		
17,300.00	6,840.00	6,715.00	6,715.00	304.84	116.24	90.00	-405.48	-11,219.94	1,454.30	1,108.42	345.88	4.205		
17,400.00	6,840.00	6,715.00	6,715.00	307.53	116.24	90.00	-405.48	-11,219.94	1,516.37	1,179.16	337.22	4.497		
17,500.00	6,840.00	6,715.00	6,715.00	310.22	116.24	90.00	-405.48	-11,219.94	1,582.33	1,253.59	328.74	4.813		
17,600.00	6,840.00	6,715.00	6,715.00	312.91	116.24	90.00	-405.48	-11,219.94	1,651.72	1,331.17	320.54	5.153		
17,700.00	6,840.00	6,715.00	6,715.00	315.60	116.24	90.00	-405.48	-11,219.94	1,724.11	1,411.42	312.69	5.514		
17,800.00	6,840.00	6,715.00	6,715.00	318.29	116.24	90.00	-405.48	-11,219.94	1,799.15	1,493.93	305.22	5.895		
17,900.00	6,840.00	6,715.00	6,715.00	320.99	116.24	90.00	-405.48	-11,219.94	1,876.52	1,578.37	298.15	6.294		
18,000.00	6,840.00	6,715.00	6,715.00	323.68	116.24	90.00	-405.48	-11,219.94	1,955.94	1,664.47	291.47	6.711		
18,100.00	6,840.00	6,715.00	6,715.00	326.38	116.24	90.00	-405.48	-11,219.94	2,037.18	1,751.99	285.19	7.143		
18,200.00	6,840.00	6,715.00	6,715.00	329.07	116.24	90.00	-405.48	-11,219.94	2,120.02	1,840.73	279.30	7.591		
18,300.00	6,840.00	6,715.00	6,715.00	331.77	116.24	90.00	-405.48	-11,219.94	2,204.29	1,930.53	273.76	8.052		
18,400.00	6,840.00	6,715.00	6,715.00	334.46	116.24	90.00	-405.48	-11,219.94	2,289.82	2,021.25	268.57	8.526		
18,500.00	6,840.00	6,715.00	6,715.00	337.16	116.24	90.00	-405.48	-11,219.94	2,376.48	2,112.78	263.70	9.012		
18,600.00	6,840.00	6,715.00	6,715.00	339.85	116.24	90.00	-405.48	-11,219.94	2,464.15	2,205.02	259.13	9.509		
18,700.00	6,840.00	6,715.00	6,715.00	342.55	116.24	90.00	-405.48	-11,219.94	2,552.73	2,297.88	254.85	10.016		
18,800.00	6,840.00	6,715.00	6,715.00	345.25	116.24	90.00	-405.48	-11,219.94	2,642.12	2,391.29	250.83	10.533		
18,900.00	6,840.00	6,715.00	6,715.00	347.94	116.24	90.00	-405.48	-11,219.94	2,732.25	2,485.19	247.06	11.059		
19,000.00	6,840.00	6,715.00	6,715.00	350.64	116.24	90.00	-405.48	-11,219.94	2,823.05	2,579.53	243.51	11.593		
19,100.00	6,840.00	6,715.00	6,715.00	353.34	116.24	90.00	-405.48	-11,219.94	2,914.44	2,674.26	240.18	12.134		
19,200.00	6,840.00	6,715.00	6,715.00	356.04	116.24	90.00	-405.48	-11,219.94	3,006.39	2,769.35	237.04	12.683		
19,300.00	6,840.00	6,715.00	6,715.00	358.74	116.24	90.00	-405.48	-11,219.94	3,098.83	2,864.74	234.09	13.238		
19,400.00	6,840.00	6,715.00	6,715.00	361.44	116.24	90.00	-405.48	-11,219.94	3,191.73	2,960.43	231.30	13.799		
19,500.00	6,840.00	6,715.00	6,715.00	364.13	116.24	90.00	-405.48	-11,219.94	3,285.05	3,056.38	228.67	14.366		
19,600.00	6,840.00	6,715.00	6,715.00	366.83	116.24	90.00	-405.48	-11,219.94	3,378.74	3,152.56	226.19	14.938		
19,700.00	6,840.00	6,715.00	6,715.00	369.53	116.24	90.00	-405.48	-11,219.94	3,472.79	3,248.95	223.84	15.514		
19,800.00	6,840.00	6,715.00	6,715.00	372.23	116.24	90.00	-405.48	-11,219.94	3,567.17	3,345.55	221.62	16.096		
19,900.00	6,840.00	6,715.00	6,715.00	374.94	116.24	90.00	-405.48	-11,219.94	3,661.84	3,442.32	219.52	16.681		
20,000.00	6,840.00	6,715.00	6,715.00	377.64	116.24	90.00	-405.48	-11,219.94	3,756.79	3,539.26	217.53	17.270		
20,100.00	6,840.00	6,715.00	6,715.00	380.34	116.24	90.00	-405.48	-11,219.94	3,851.99	3,636.35	215.65	17.863		
20,200.00	6,840.00	6,715.00	6,715.00	383.04	116.24	90.00	-405.48	-11,219.94	3,947.43	3,733.58	213.86	18.458		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST VERT HORN-LIBSACK 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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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
20,300.00	6,840.00	6,715.00	6,715.00	385.74	116.24	90.00	-405.48	-11,219.94	4,043.10	3,830.94	212.16	19.057	
20,400.00	6,840.00	6,715.00	6,715.00	388.44	116.24	90.00	-405.48	-11,219.94	4,138.96	3,928.42	210.54	19.659	
20,500.00	6,840.00	6,715.00	6,715.00	391.14	116.24	90.00	-405.48	-11,219.94	4,235.02	4,026.01	209.01	20.263	
20,552.28	6,840.00	6,715.00	6,715.00	392.56	116.24	90.00	-405.48	-11,219.94	4,285.31	4,077.07	208.23	20.579	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST VERT OSTER 13-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,000.00	6,840.00	6,678.47	6,677.70	112.52	1.66	86.63	-273.85	-14,611.84	9,903.80	9,850.51	53.28	185.870		
10,100.00	6,840.00	6,679.00	6,678.23	115.00	1.66	86.65	-273.86	-14,611.85	9,804.65	9,750.98	53.66	182.712		
10,200.00	6,840.00	6,679.53	6,678.77	117.50	1.66	86.68	-273.86	-14,611.85	9,705.51	9,651.46	54.05	179.567		
10,300.00	6,840.00	6,680.07	6,679.31	120.00	1.66	86.70	-273.86	-14,611.86	9,606.40	9,551.95	54.45	176.436		
10,400.00	6,840.00	6,680.62	6,679.85	122.51	1.66	86.73	-273.87	-14,611.86	9,507.30	9,452.45	54.85	173.319		
10,500.00	6,840.00	6,681.16	6,680.40	125.04	1.66	86.75	-273.87	-14,611.87	9,408.22	9,352.95	55.27	170.216		
10,600.00	6,840.00	6,681.71	6,680.95	127.57	1.66	86.78	-273.88	-14,611.87	9,309.16	9,253.46	55.70	167.128		
10,700.00	6,840.00	6,682.27	6,681.50	130.11	1.66	86.80	-273.88	-14,611.88	9,210.12	9,153.98	56.14	164.056		
10,800.00	6,840.00	6,682.83	6,682.07	132.66	1.66	86.83	-273.89	-14,611.88	9,111.11	9,054.52	56.59	160.999		
10,900.00	6,840.00	6,683.40	6,682.63	135.21	1.66	86.85	-273.89	-14,611.89	9,012.11	8,955.06	57.05	157.958		
11,000.00	6,840.00	6,683.97	6,683.20	137.77	1.66	86.88	-273.90	-14,611.89	8,913.14	8,855.61	57.53	154.934		
11,100.00	6,840.00	6,684.54	6,683.78	140.34	1.66	86.90	-273.90	-14,611.90	8,814.19	8,756.17	58.02	151.927		
11,200.00	6,840.00	6,685.12	6,684.36	142.91	1.66	86.93	-273.91	-14,611.90	8,715.26	8,656.75	58.52	148.938		
11,300.00	6,840.00	6,685.71	6,684.94	145.49	1.66	86.95	-273.92	-14,611.91	8,616.36	8,557.33	59.03	145.966		
11,400.00	6,840.00	6,686.30	6,685.53	148.07	1.66	86.98	-273.92	-14,611.91	8,517.48	8,457.93	59.56	143.013		
11,500.00	6,840.00	6,686.89	6,686.13	150.66	1.66	87.01	-273.93	-14,611.92	8,418.63	8,358.53	60.10	140.079		
11,600.00	6,840.00	6,687.49	6,686.73	153.25	1.66	87.03	-273.93	-14,611.93	8,319.81	8,259.16	60.66	137.164		
11,700.00	6,840.00	6,688.10	6,687.33	155.85	1.66	87.06	-273.94	-14,611.93	8,221.02	8,159.79	61.23	134.268		
11,800.00	6,840.00	6,700.00	6,699.23	158.45	1.66	87.59	-274.04	-14,612.05	8,122.27	8,060.46	61.80	131.426		
11,900.00	6,840.00	6,700.00	6,699.23	161.06	1.66	87.59	-274.04	-14,612.05	8,023.53	7,961.12	62.41	128.569		
12,000.00	6,840.00	6,700.00	6,699.23	163.67	1.66	87.59	-274.04	-14,612.05	7,924.83	7,861.80	63.03	125.733		
12,100.00	6,840.00	6,700.00	6,699.23	166.28	1.66	87.59	-274.04	-14,612.05	7,826.16	7,762.49	63.67	122.919		
12,200.00	6,840.00	6,700.00	6,699.23	168.90	1.66	87.59	-274.04	-14,612.05	7,727.52	7,663.19	64.33	120.126		
12,300.00	6,840.00	6,700.00	6,699.23	171.52	1.66	87.59	-274.04	-14,612.05	7,628.92	7,563.91	65.01	117.356		
12,400.00	6,840.00	6,700.00	6,699.23	174.15	1.66	87.59	-274.04	-14,612.05	7,530.36	7,464.65	65.70	114.609		
12,500.00	6,840.00	6,700.00	6,699.23	176.77	1.66	87.59	-274.04	-14,612.05	7,431.83	7,365.41	66.42	111.885		
12,600.00	6,840.00	6,700.00	6,699.23	179.40	1.66	87.59	-274.04	-14,612.05	7,333.35	7,266.18	67.16	109.185		
12,700.00	6,840.00	6,700.00	6,699.23	182.04	1.66	87.59	-274.04	-14,612.05	7,234.90	7,166.98	67.93	106.510		
12,800.00	6,840.00	6,700.00	6,699.23	184.67	1.66	87.59	-274.04	-14,612.05	7,136.50	7,067.79	68.71	103.859		
12,900.00	6,840.00	6,700.00	6,699.23	187.31	1.66	87.59	-274.04	-14,612.05	7,038.15	6,968.62	69.52	101.233		
13,000.00	6,840.00	6,700.00	6,699.23	189.95	1.66	87.59	-274.04	-14,612.05	6,939.84	6,869.48	70.36	98.632		
13,100.00	6,840.00	6,700.00	6,699.23	192.59	1.66	87.59	-274.04	-14,612.05	6,841.58	6,770.36	71.22	96.058		
13,200.00	6,840.00	6,700.00	6,699.23	195.24	1.66	87.59	-274.04	-14,612.05	6,743.37	6,671.26	72.11	93.510		
13,300.00	6,840.00	6,700.00	6,699.23	197.88	1.66	87.59	-274.04	-14,612.05	6,645.22	6,572.18	73.03	90.990		
13,400.00	6,840.00	6,700.00	6,699.23	200.53	1.66	87.59	-274.04	-14,612.05	6,547.12	6,473.13	73.98	88.496		
13,500.00	6,840.00	6,700.00	6,699.23	203.18	1.66	87.59	-274.04	-14,612.05	6,449.08	6,374.11	74.96	86.031		
13,600.00	6,840.00	6,700.00	6,699.23	205.83	1.66	87.59	-274.04	-14,612.05	6,351.10	6,275.12	75.98	83.594		
13,700.00	6,840.00	6,700.00	6,699.23	208.49	1.66	87.59	-274.04	-14,612.05	6,253.18	6,176.16	77.02	81.185		
13,800.00	6,840.00	6,700.00	6,699.23	211.14	1.66	87.59	-274.04	-14,612.05	6,155.33	6,077.23	78.11	78.806		
13,900.00	6,840.00	6,700.00	6,699.23	213.80	1.66	87.59	-274.04	-14,612.05	6,057.55	5,978.33	79.23	76.457		
14,000.00	6,840.00	6,700.00	6,699.23	216.46	1.66	87.59	-274.04	-14,612.05	5,959.85	5,879.46	80.39	74.137		
14,100.00	6,840.00	6,700.00	6,699.23	219.12	1.66	87.59	-274.04	-14,612.05	5,862.22	5,780.63	81.59	71.848		
14,200.00	6,840.00	6,700.00	6,699.23	221.78	1.66	87.59	-274.04	-14,612.05	5,764.68	5,681.84	82.84	69.591		
14,300.00	6,840.00	6,700.00	6,699.23	224.45	1.66	87.59	-274.04	-14,612.05	5,667.22	5,583.09	84.13	67.364		
14,400.00	6,840.00	6,700.00	6,699.23	227.11	1.66	87.59	-274.04	-14,612.05	5,569.85	5,484.38	85.47	65.170		
14,500.00	6,840.00	6,700.00	6,699.23	229.78	1.66	87.59	-274.04	-14,612.05	5,472.57	5,385.72	86.86	63.007		
14,600.00	6,840.00	6,700.00	6,699.23	232.45	1.66	87.59	-274.04	-14,612.05	5,375.40	5,287.10	88.30	60.878		
14,700.00	6,840.00	6,700.00	6,699.23	235.12	1.66	87.59	-274.04	-14,612.05	5,278.33	5,188.53	89.80	58.781		
14,800.00	6,840.00	6,700.00	6,699.23	237.79	1.66	87.59	-274.04	-14,612.05	5,181.37	5,090.02	91.35	56.719		
14,900.00	6,840.00	6,700.00	6,699.23	240.46	1.66	87.59	-274.04	-14,612.05	5,084.53	4,991.56	92.97	54.690		
15,000.00	6,840.00	6,700.00	6,699.23	243.13	1.66	87.59	-274.04	-14,612.05	4,987.81	4,893.16	94.65	52.695		
15,100.00	6,840.00	6,700.00	6,699.23	245.80	1.66	87.59	-274.04	-14,612.05	4,891.23	4,794.82	96.41	50.736		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST VERT OSTER 13-27 GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,200.00	6,840.00	6,700.00	6,699.23	248.48	1.66	87.59	-274.04	-14,612.05	4,794.78	4,696.55	98.23	48.811		
15,300.00	6,840.00	6,700.00	6,699.23	251.15	1.66	87.59	-274.04	-14,612.05	4,698.49	4,598.36	100.13	46.922		
15,400.00	6,840.00	6,700.00	6,699.23	253.83	1.66	87.59	-274.04	-14,612.05	4,602.35	4,500.24	102.12	45.069		
15,500.00	6,840.00	6,700.00	6,699.23	256.51	1.66	87.59	-274.04	-14,612.05	4,506.38	4,402.20	104.19	43.253		
15,600.00	6,840.00	6,700.00	6,699.23	259.19	1.66	87.59	-274.04	-14,612.05	4,410.59	4,304.25	106.35	41.473		
15,700.00	6,840.00	6,700.00	6,699.23	261.87	1.66	87.59	-274.04	-14,612.05	4,315.00	4,206.39	108.61	39.731		
15,800.00	6,840.00	6,700.00	6,699.23	264.55	1.66	87.59	-274.04	-14,612.05	4,219.60	4,108.63	110.97	38.026		
15,900.00	6,840.00	6,700.00	6,699.23	267.23	1.66	87.59	-274.04	-14,612.05	4,124.42	4,010.99	113.44	36.358		
16,000.00	6,840.00	6,700.00	6,699.23	269.91	1.66	87.59	-274.04	-14,612.05	4,029.48	3,913.46	116.03	34.729		
16,100.00	6,840.00	6,700.00	6,699.23	272.59	1.66	87.59	-274.04	-14,612.05	3,934.79	3,816.05	118.74	33.139		
16,200.00	6,840.00	6,716.12	6,715.35	275.28	1.67	88.31	-274.17	-14,612.24	3,840.31	3,718.76	121.54	31.596		
16,300.00	6,840.00	6,716.86	6,716.09	277.96	1.67	88.35	-274.17	-14,612.24	3,746.17	3,621.64	124.53	30.083		
16,400.00	6,840.00	6,717.62	6,716.85	280.64	1.67	88.38	-274.18	-14,612.25	3,652.34	3,524.68	127.66	28.610		
16,500.00	6,840.00	6,718.39	6,717.62	283.33	1.67	88.42	-274.18	-14,612.26	3,558.85	3,427.89	130.95	27.176		
16,600.00	6,840.00	6,719.17	6,718.40	286.02	1.67	88.45	-274.19	-14,612.28	3,465.72	3,331.30	134.42	25.783		
16,700.00	6,840.00	6,719.97	6,719.20	288.70	1.67	88.49	-274.19	-14,612.29	3,372.98	3,234.91	138.07	24.430		
16,800.00	6,840.00	6,720.78	6,720.01	291.39	1.67	88.52	-274.19	-14,612.30	3,280.67	3,138.75	141.92	23.117		
16,900.00	6,840.00	6,721.61	6,720.84	294.08	1.67	88.56	-274.20	-14,612.31	3,188.82	3,042.85	145.97	21.845		
17,000.00	6,840.00	6,722.45	6,721.68	296.77	1.67	88.60	-274.20	-14,612.32	3,097.48	2,947.22	150.26	20.615		
17,100.00	6,840.00	6,723.31	6,722.54	299.46	1.67	88.64	-274.21	-14,612.33	3,006.69	2,851.91	154.78	19.426		
17,200.00	6,840.00	6,724.18	6,723.41	302.14	1.67	88.67	-274.21	-14,612.34	2,916.50	2,756.93	159.56	18.278		
17,300.00	6,840.00	6,725.08	6,724.31	304.84	1.67	88.71	-274.22	-14,612.36	2,826.97	2,662.34	164.63	17.172		
17,400.00	6,840.00	6,725.98	6,725.21	307.53	1.67	88.76	-274.22	-14,612.37	2,738.16	2,568.18	169.98	16.108		
17,500.00	6,840.00	6,726.91	6,726.14	310.22	1.67	88.80	-274.23	-14,612.38	2,650.15	2,474.49	175.66	15.087		
17,600.00	6,840.00	6,727.85	6,727.08	312.91	1.67	88.84	-274.23	-14,612.40	2,563.02	2,381.34	181.68	14.107		
17,700.00	6,840.00	6,728.82	6,728.05	315.60	1.67	88.88	-274.24	-14,612.41	2,476.86	2,288.80	188.06	13.171		
17,800.00	6,840.00	6,729.80	6,729.03	318.29	1.67	88.93	-274.24	-14,612.42	2,391.78	2,196.96	194.82	12.277		
17,900.00	6,840.00	6,730.80	6,730.03	320.99	1.67	88.97	-274.25	-14,612.44	2,307.90	2,105.90	202.00	11.425		
18,000.00	6,840.00	6,731.83	6,731.05	323.68	1.67	89.02	-274.25	-14,612.45	2,225.35	2,015.74	209.60	10.617		
18,100.00	6,840.00	6,732.87	6,732.10	326.38	1.67	89.06	-274.25	-14,612.47	2,144.28	1,926.62	217.66	9.851		
18,200.00	6,840.00	6,733.94	6,733.16	329.07	1.67	89.11	-274.26	-14,612.49	2,064.87	1,838.68	226.19	9.129		
18,300.00	6,840.00	6,735.02	6,734.25	331.77	1.67	89.16	-274.26	-14,612.50	1,987.32	1,752.13	235.19	8.450		
18,400.00	6,840.00	6,736.13	6,735.36	334.46	1.67	89.21	-274.27	-14,612.52	1,911.86	1,667.18	244.68	7.814		
18,500.00	6,840.00	6,737.27	6,736.50	337.16	1.67	89.26	-274.27	-14,612.54	1,838.73	1,584.09	254.64	7.221		
18,600.00	6,840.00	6,738.43	6,737.66	339.85	1.67	89.31	-274.27	-14,612.56	1,768.25	1,503.19	265.05	6.671		
18,700.00	6,840.00	6,739.62	6,738.84	342.55	1.67	89.37	-274.28	-14,612.58	1,700.72	1,424.84	275.87	6.165		
18,800.00	6,840.00	6,740.83	6,740.06	345.25	1.67	89.42	-274.28	-14,612.60	1,636.51	1,349.48	287.03	5.702		
18,900.00	6,840.00	6,742.07	6,741.30	347.94	1.67	89.48	-274.29	-14,612.62	1,576.04	1,277.63	298.41	5.281		
19,000.00	6,840.00	6,743.34	6,742.56	350.64	1.67	89.53	-274.29	-14,612.64	1,519.75	1,209.88	309.87	4.904		
19,100.00	6,840.00	6,744.63	6,743.86	353.34	1.67	89.59	-274.29	-14,612.66	1,468.12	1,146.89	321.23	4.570		
19,200.00	6,840.00	6,745.96	6,745.19	356.04	1.67	89.65	-274.30	-14,612.68	1,421.65	1,089.42	332.22	4.279		
19,300.00	6,840.00	6,747.32	6,746.55	358.74	1.67	89.71	-274.30	-14,612.71	1,380.87	1,038.29	342.58	4.031		
19,400.00	6,840.00	6,748.71	6,747.94	361.44	1.67	89.77	-274.30	-14,612.73	1,346.30	994.32	351.97	3.825		
19,500.00	6,840.00	6,750.13	6,749.36	364.13	1.67	89.84	-274.30	-14,612.75	1,318.42	958.36	360.06	3.662		
19,600.00	6,840.00	6,751.59	6,750.82	366.83	1.67	89.90	-274.30	-14,612.78	1,297.66	931.15	366.51	3.541		
19,700.00	6,840.00	6,753.09	6,752.32	369.53	1.67	89.97	-274.31	-14,612.81	1,284.38	913.34	371.04	3.462		
19,800.00	6,840.00	6,754.62	6,753.85	372.23	1.67	90.04	-274.31	-14,612.84	1,278.79	905.36	373.43	3.424		
19,821.56	6,840.00	6,754.96	6,754.18	372.82	1.67	90.05	-274.31	-14,612.84	1,278.61	904.95	373.66	3.422 CC, ES, SF		
19,900.00	6,840.00	6,756.20	6,755.42	374.94	1.67	90.11	-274.31	-14,612.87	1,281.02	907.41	373.60	3.429		
20,000.00	6,840.00	6,757.81	6,757.03	377.64	1.67	90.18	-274.31	-14,612.90	1,291.00	919.44	371.56	3.475		
20,100.00	6,840.00	6,759.46	6,758.69	380.34	1.67	90.25	-274.31	-14,612.93	1,308.57	941.12	367.45	3.561		
20,200.00	6,840.00	6,761.16	6,760.39	383.04	1.67	90.33	-274.31	-14,612.96	1,333.42	971.93	361.50	3.689		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST VERT OSTER 13-27 GYRO - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,300.00	6,840.00	6,762.90	6,762.13	385.74	1.67	90.41	-274.31	-14,612.99	1,365.17	1,011.16	354.00	3.856	
20,400.00	6,840.00	6,764.70	6,763.92	388.44	1.67	90.49	-274.31	-14,613.03	1,403.33	1,058.03	345.30	4.064	
20,500.00	6,840.00	6,766.54	6,765.76	391.14	1.68	90.57	-274.31	-14,613.07	1,447.40	1,111.69	335.71	4.311	
20,552.28	6,840.00	6,767.52	6,766.74	392.56	1.68	90.62	-274.31	-14,613.09	1,472.62	1,142.17	330.46	4.456	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST VERT OSTER 13-27B GYRO - OWB - GYRO													Offset Site Error: 0.00 usft	
Survey Program: 100-GYD_CT													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,500.00	6,840.00	6,916.23	6,915.11	125.04	1.82	94.92	158.05	-15,055.63	9,915.91	9,857.39	58.52	169.451		
10,600.00	6,840.00	6,915.36	6,914.24	127.57	1.82	94.89	158.05	-15,055.65	9,817.43	9,758.37	59.06	166.231		
10,700.00	6,840.00	10,700.00	6,902.77	130.11	2.20	94.51	158.06	-15,055.83	9,719.00	9,659.40	59.60	163.076		
10,800.00	6,840.00	10,800.00	6,901.33	132.66	2.21	94.46	158.06	-15,055.85	9,620.59	9,560.42	60.17	159.899		
10,900.00	6,840.00	10,900.00	6,899.90	135.21	2.22	94.41	158.05	-15,055.87	9,522.20	9,461.45	60.75	156.745		
11,000.00	6,840.00	11,000.00	6,898.46	137.77	2.24	94.37	158.05	-15,055.89	9,423.85	9,362.50	61.35	153.614		
11,100.00	6,840.00	11,100.00	6,897.02	140.34	2.25	94.32	158.05	-15,055.91	9,325.54	9,263.58	61.96	150.507		
11,200.00	6,840.00	11,200.00	6,895.58	142.91	2.26	94.27	158.05	-15,055.94	9,227.26	9,164.67	62.59	147.424		
11,300.00	6,840.00	11,300.00	6,894.14	145.49	2.28	94.22	158.05	-15,055.96	9,129.02	9,065.78	63.23	144.367		
11,400.00	6,840.00	11,400.00	6,892.70	148.07	2.29	94.17	158.04	-15,055.98	9,030.81	8,966.92	63.90	141.335		
11,500.00	6,840.00	6,919.60	6,918.47	150.66	1.82	95.03	158.04	-15,055.56	8,932.64	8,868.06	64.58	138.322		
11,600.00	6,840.00	6,916.83	6,915.71	153.25	1.82	94.94	158.04	-15,055.61	8,834.52	8,769.24	65.28	135.338		
11,700.00	6,840.00	6,914.10	6,912.97	155.85	1.82	94.85	158.04	-15,055.66	8,736.45	8,670.45	65.99	132.382		
11,800.00	6,840.00	6,911.40	6,910.27	158.45	1.82	94.76	158.05	-15,055.70	8,638.41	8,571.68	66.73	129.453		
11,900.00	6,840.00	6,908.73	6,907.61	161.06	1.82	94.67	158.05	-15,055.74	8,540.43	8,472.94	67.49	126.552		
12,000.00	6,840.00	6,906.09	6,904.97	163.67	1.82	94.58	158.05	-15,055.79	8,442.48	8,374.22	68.26	123.679		
12,100.00	6,840.00	6,903.48	6,902.36	166.28	1.82	94.50	158.05	-15,055.83	8,344.59	8,275.53	69.06	120.835		
12,200.00	6,840.00	6,900.91	6,899.78	168.90	1.82	94.41	158.05	-15,055.87	8,246.75	8,176.87	69.88	118.020		
12,300.00	6,840.00	6,898.36	6,897.24	171.52	1.82	94.33	158.05	-15,055.91	8,148.96	8,078.24	70.72	115.234		
12,400.00	6,840.00	6,895.84	6,894.72	174.15	1.82	94.24	158.05	-15,055.95	8,051.22	7,979.64	71.58	112.479		
12,500.00	6,840.00	6,893.35	6,892.23	176.77	1.82	94.16	158.05	-15,055.99	7,953.54	7,881.08	72.47	109.753		
12,600.00	6,840.00	6,890.89	6,889.77	179.40	1.82	94.08	158.05	-15,056.03	7,855.92	7,782.54	73.38	107.058		
12,700.00	6,840.00	6,888.46	6,887.34	182.04	1.82	93.99	158.05	-15,056.07	7,758.36	7,684.04	74.32	104.395		
12,800.00	6,840.00	6,886.05	6,884.93	184.67	1.82	93.91	158.05	-15,056.11	7,660.86	7,585.57	75.28	101.762		
12,900.00	6,840.00	6,883.67	6,882.55	187.31	1.82	93.84	158.05	-15,056.15	7,563.42	7,487.15	76.27	99.161		
13,000.00	6,840.00	6,881.32	6,880.20	189.95	1.82	93.76	158.05	-15,056.18	7,466.05	7,388.76	77.29	96.592		
13,100.00	6,840.00	6,878.99	6,877.87	192.59	1.82	93.68	158.05	-15,056.22	7,368.75	7,290.41	78.34	94.056		
13,200.00	6,840.00	6,876.69	6,875.57	195.24	1.82	93.60	158.05	-15,056.26	7,271.53	7,192.10	79.43	91.551		
13,300.00	6,840.00	6,874.41	6,873.29	197.88	1.82	93.53	158.05	-15,056.29	7,174.38	7,093.84	80.54	89.080		
13,400.00	6,840.00	6,872.16	6,871.04	200.53	1.82	93.45	158.05	-15,056.33	7,077.31	6,995.62	81.68	86.642		
13,500.00	6,840.00	6,869.93	6,868.81	203.18	1.82	93.38	158.05	-15,056.36	6,980.32	6,897.45	82.86	84.237		
13,600.00	6,840.00	6,867.73	6,866.61	205.83	1.82	93.30	158.04	-15,056.39	6,883.42	6,799.33	84.08	81.866		
13,700.00	6,840.00	6,865.55	6,864.43	208.49	1.82	93.23	158.04	-15,056.42	6,786.60	6,701.27	85.33	79.529		
13,800.00	6,840.00	6,863.39	6,862.27	211.14	1.82	93.16	158.04	-15,056.46	6,689.88	6,603.25	86.63	77.226		
13,900.00	6,840.00	6,861.25	6,860.14	213.80	1.82	93.09	158.04	-15,056.49	6,593.26	6,505.30	87.96	74.958		
14,000.00	6,840.00	6,859.14	6,858.03	216.46	1.82	93.02	158.04	-15,056.52	6,496.74	6,407.40	89.33	72.724		
14,100.00	6,840.00	6,857.05	6,855.94	219.12	1.82	92.95	158.03	-15,056.55	6,400.32	6,309.57	90.75	70.525		
14,200.00	6,840.00	6,854.98	6,853.87	221.78	1.82	92.88	158.03	-15,056.58	6,304.02	6,211.80	92.22	68.361		
14,300.00	6,840.00	6,852.94	6,851.82	224.45	1.82	92.81	158.03	-15,056.61	6,207.83	6,114.10	93.73	66.232		
14,400.00	6,840.00	6,850.91	6,849.80	227.11	1.82	92.74	158.02	-15,056.64	6,111.76	6,016.47	95.29	64.138		
14,500.00	6,840.00	6,848.91	6,847.79	229.78	1.82	92.67	158.02	-15,056.67	6,015.83	5,918.92	96.90	62.080		
14,600.00	6,840.00	6,846.92	6,845.81	232.45	1.82	92.61	158.02	-15,056.70	5,920.02	5,821.45	98.57	60.058		
14,700.00	6,840.00	6,844.96	6,843.84	235.12	1.82	92.54	158.01	-15,056.73	5,824.36	5,724.06	100.30	58.072		
14,800.00	6,840.00	6,843.01	6,841.90	237.79	1.82	92.48	158.01	-15,056.75	5,728.84	5,626.76	102.08	56.121		
14,900.00	6,840.00	6,841.08	6,839.97	240.46	1.82	92.41	158.01	-15,056.78	5,633.48	5,529.56	103.93	54.207		
15,000.00	6,840.00	6,839.18	6,838.06	243.13	1.82	92.35	158.00	-15,056.81	5,538.29	5,432.45	105.84	52.329		
15,100.00	6,840.00	6,837.29	6,836.18	245.80	1.82	92.28	158.00	-15,056.83	5,443.26	5,335.45	107.81	50.487		
15,200.00	6,840.00	6,835.42	6,834.31	248.48	1.82	92.22	157.99	-15,056.86	5,348.42	5,238.55	109.86	48.682		
15,300.00	6,840.00	6,833.57	6,832.46	251.15	1.82	92.16	157.99	-15,056.88	5,253.76	5,141.77	111.99	46.914		
15,400.00	6,840.00	6,831.74	6,830.62	253.83	1.82	92.10	157.99	-15,056.91	5,159.31	5,045.12	114.19	45.182		
15,500.00	6,840.00	6,829.92	6,828.81	256.51	1.82	92.04	157.98	-15,056.93	5,065.07	4,948.59	116.48	43.486		
15,600.00	6,840.00	6,828.13	6,827.01	259.19	1.82	91.98	157.98	-15,056.96	4,971.05	4,852.21	118.85	41.828		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - EXIST VERT OSTER 13-27B GYRO - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)			
15,700.00	6,840.00	6,826.35	6,825.23	261.87	1.82	91.92	157.97	-15,056.98	4,877.28	4,755.97	121.31	40.206		
15,800.00	6,840.00	6,824.58	6,823.47	264.55	1.82	91.86	157.97	-15,057.01	4,783.75	4,659.89	123.86	38.621		
15,900.00	6,840.00	6,822.84	6,821.73	267.23	1.82	91.80	157.96	-15,057.03	4,690.49	4,563.97	126.52	37.073		
16,000.00	6,840.00	6,821.11	6,820.00	269.91	1.82	91.74	157.96	-15,057.05	4,597.51	4,468.23	129.28	35.562		
16,100.00	6,840.00	6,819.40	6,818.28	272.59	1.82	91.69	157.95	-15,057.08	4,504.84	4,372.68	132.16	34.087		
16,200.00	6,840.00	6,817.70	6,816.59	275.28	1.82	91.63	157.95	-15,057.10	4,412.48	4,277.33	135.14	32.650		
16,300.00	6,840.00	16,300.00	6,783.47	277.96	3.08	90.52	157.75	-15,057.45	4,320.46	4,181.46	138.99	31.084		
16,400.00	6,840.00	16,400.00	6,782.69	280.64	3.10	90.49	157.74	-15,057.45	4,228.79	4,086.54	142.25	29.727		
16,500.00	6,840.00	16,500.00	6,781.91	283.33	3.11	90.47	157.74	-15,057.46	4,137.52	3,991.86	145.65	28.407		
16,600.00	6,840.00	6,818.81	6,817.70	286.02	1.82	91.67	157.94	-15,057.07	4,046.67	3,898.28	148.39	27.271		
16,700.00	6,840.00	6,815.81	6,814.70	288.70	1.82	91.57	157.93	-15,057.12	3,956.25	3,804.19	152.06	26.018		
16,800.00	6,840.00	6,812.93	6,811.82	291.39	1.82	91.47	157.93	-15,057.16	3,866.31	3,710.42	155.89	24.801		
16,900.00	6,840.00	6,810.16	6,809.04	294.08	1.82	91.38	157.92	-15,057.19	3,776.87	3,616.98	159.89	23.621		
17,000.00	6,840.00	6,807.49	6,806.38	296.77	1.82	91.29	157.91	-15,057.23	3,687.97	3,523.90	164.07	22.478		
17,100.00	6,840.00	6,804.92	6,803.81	299.46	1.82	91.20	157.91	-15,057.26	3,599.66	3,431.23	168.43	21.372		
17,200.00	6,840.00	6,802.44	6,801.33	302.14	1.82	91.12	157.90	-15,057.30	3,511.97	3,338.98	172.99	20.302		
17,300.00	6,840.00	6,800.05	6,798.94	304.84	1.82	91.04	157.89	-15,057.33	3,424.95	3,247.20	177.75	19.268		
17,400.00	6,840.00	6,797.75	6,796.64	307.53	1.82	90.96	157.88	-15,057.36	3,338.66	3,155.93	182.73	18.271		
17,500.00	6,840.00	6,795.52	6,794.41	310.22	1.82	90.89	157.87	-15,057.38	3,253.16	3,065.22	187.94	17.309		
17,600.00	6,840.00	6,793.37	6,792.26	312.91	1.82	90.81	157.86	-15,057.41	3,168.50	2,975.11	193.39	16.384		
17,700.00	6,840.00	6,791.29	6,790.18	315.60	1.82	90.74	157.85	-15,057.43	3,084.76	2,885.68	199.08	15.495		
17,800.00	6,840.00	6,789.28	6,788.17	318.29	1.82	90.68	157.84	-15,057.46	3,002.01	2,796.99	205.03	14.642		
17,900.00	6,840.00	6,787.34	6,786.23	320.99	1.82	90.61	157.83	-15,057.48	2,920.35	2,709.10	211.25	13.824		
18,000.00	6,840.00	6,785.45	6,784.34	323.68	1.82	90.55	157.83	-15,057.50	2,839.85	2,622.11	217.74	13.042		
18,100.00	6,840.00	6,783.63	6,782.52	326.38	1.82	90.49	157.82	-15,057.52	2,760.63	2,536.11	224.52	12.296		
18,200.00	6,840.00	6,781.86	6,780.75	329.07	1.82	90.43	157.81	-15,057.54	2,682.80	2,451.21	231.59	11.584		
18,300.00	6,840.00	6,780.14	6,779.03	331.77	1.82	90.37	157.80	-15,057.56	2,606.48	2,367.52	238.96	10.908		
18,400.00	6,840.00	6,778.47	6,777.37	334.46	1.82	90.31	157.79	-15,057.58	2,531.81	2,285.19	246.62	10.266		
18,500.00	6,840.00	6,776.86	6,775.75	337.16	1.82	90.26	157.78	-15,057.59	2,458.94	2,204.37	254.57	9.659		
18,600.00	6,840.00	6,775.29	6,774.18	339.85	1.82	90.21	157.77	-15,057.61	2,388.04	2,125.23	262.80	9.087		
18,700.00	6,840.00	6,773.76	6,772.66	342.55	1.82	90.16	157.76	-15,057.62	2,319.27	2,047.97	271.30	8.549		
18,800.00	6,840.00	6,772.28	6,771.17	345.25	1.82	90.11	157.75	-15,057.64	2,252.85	1,972.81	280.04	8.045		
18,900.00	6,840.00	6,770.84	6,769.73	347.94	1.82	90.06	157.74	-15,057.65	2,188.98	1,900.00	288.98	7.575		
19,000.00	6,840.00	6,769.44	6,768.33	350.64	1.82	90.01	157.73	-15,057.67	2,127.90	1,829.81	298.09	7.138		
19,100.00	6,840.00	6,768.08	6,766.97	353.34	1.82	89.97	157.72	-15,057.68	2,069.85	1,762.55	307.30	6.736		
19,200.00	6,840.00	6,766.75	6,765.64	356.04	1.82	89.92	157.71	-15,057.69	2,015.08	1,698.55	316.53	6.366		
19,300.00	6,840.00	6,765.46	6,764.35	358.74	1.82	89.88	157.70	-15,057.70	1,963.89	1,638.18	325.71	6.030		
19,400.00	6,840.00	6,764.20	6,763.09	361.44	1.82	89.84	157.69	-15,057.72	1,916.55	1,581.83	334.72	5.726		
19,500.00	6,840.00	6,762.97	6,761.86	364.13	1.82	89.79	157.68	-15,057.73	1,873.35	1,529.91	343.44	5.455		
19,600.00	6,840.00	6,761.78	6,760.67	366.83	1.82	89.75	157.67	-15,057.74	1,834.59	1,482.85	351.74	5.216		
19,700.00	6,840.00	6,760.61	6,759.50	369.53	1.82	89.72	157.66	-15,057.75	1,800.56	1,441.09	359.47	5.009		
19,800.00	6,840.00	6,759.47	6,758.37	372.23	1.82	89.68	157.65	-15,057.76	1,771.53	1,405.04	366.48	4.834		
19,900.00	6,840.00	6,758.36	6,757.26	374.94	1.82	89.64	157.65	-15,057.77	1,747.74	1,375.11	372.63	4.690		
20,000.00	6,840.00	6,757.28	6,756.17	377.64	1.82	89.60	157.64	-15,057.78	1,729.41	1,351.65	377.77	4.578		
20,100.00	6,840.00	6,756.22	6,755.12	380.34	1.82	89.57	157.63	-15,057.79	1,716.73	1,334.95	381.78	4.497		
20,200.00	6,840.00	6,755.19	6,754.09	383.04	1.82	89.53	157.62	-15,057.80	1,709.81	1,325.24	384.57	4.446		
20,268.62	6,840.00	6,754.50	6,753.39	384.89	1.82	89.51	157.61	-15,057.80	1,708.43	1,322.68	385.75	4.429 CC		
20,300.00	6,840.00	6,754.18	6,753.08	385.74	1.82	89.50	157.61	-15,057.80	1,708.72	1,322.63	386.08	4.426 ES, SF		
20,400.00	6,840.00	6,753.20	6,752.09	388.44	1.82	89.47	157.60	-15,057.81	1,713.47	1,327.17	386.30	4.436		
20,500.00	6,840.00	6,752.24	6,751.13	391.14	1.82	89.43	157.59	-15,057.82	1,724.03	1,338.79	385.23	4.475		
20,552.28	6,840.00	6,751.74	6,750.63	392.56	1.82	89.42	157.59	-15,057.82	1,731.82	1,347.63	384.19	4.508		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - SI VERT LIBSACK 43-27 - 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		
3,700.00	3,478.10	3,355.10	3,355.10	24.25	57.60	45.08	81.07	-10,862.03	9,998.41	9,921.23	77.18	129.550		
3,800.00	3,569.60	3,446.60	3,446.60	25.06	59.19	45.23	81.07	-10,862.03	9,968.70	9,889.27	79.44	125.494		
3,900.00	3,661.09	3,538.09	3,538.09	25.88	60.79	45.39	81.07	-10,862.03	9,939.08	9,857.38	81.70	121.659		
4,000.00	3,752.59	3,629.59	3,629.59	26.69	62.39	45.55	81.07	-10,862.03	9,909.53	9,825.57	83.96	118.027		
4,100.00	3,844.08	3,721.08	3,721.08	27.50	63.99	45.71	81.07	-10,862.03	9,880.05	9,793.82	86.23	114.584		
4,200.00	3,935.58	3,812.58	3,812.58	28.32	65.58	45.87	81.07	-10,862.03	9,850.65	9,762.16	88.49	111.314		
4,300.00	4,027.07	3,904.07	3,904.07	29.13	67.18	46.03	81.07	-10,862.03	9,821.33	9,730.57	90.77	108.206		
4,400.00	4,118.57	4,004.43	3,995.57	29.95	68.93	46.19	81.07	-10,862.03	9,792.09	9,698.90	93.19	105.073		
4,500.00	4,210.06	4,087.06	4,087.06	30.76	70.37	46.36	81.07	-10,862.03	9,762.93	9,667.61	95.31	102.428		
4,600.00	4,301.56	4,178.56	4,178.56	31.58	71.97	46.52	81.07	-10,862.03	9,733.85	9,636.25	97.59	99.739		
4,700.00	4,393.05	4,270.05	4,270.05	32.39	73.57	46.69	81.07	-10,862.03	9,704.85	9,604.97	99.87	97.170		
4,800.00	4,484.55	4,361.55	4,361.55	33.21	75.16	46.85	81.07	-10,862.03	9,675.93	9,573.77	102.16	94.714		
4,900.00	4,576.04	4,453.04	4,453.04	34.02	76.76	47.02	81.07	-10,862.03	9,647.09	9,542.64	104.45	92.365		
5,000.00	4,667.54	4,544.54	4,544.54	34.84	78.36	47.19	81.07	-10,862.03	9,618.33	9,511.60	106.73	90.115		
5,100.00	4,759.03	4,636.03	4,636.03	35.65	79.95	47.36	81.07	-10,862.03	9,589.66	9,480.64	109.03	87.957		
5,200.00	4,850.53	4,727.53	4,727.53	36.47	81.55	47.53	81.07	-10,862.03	9,561.07	9,449.75	111.32	85.888		
5,300.00	4,942.02	4,819.02	4,819.02	37.28	83.15	47.70	81.07	-10,862.03	9,532.57	9,418.96	113.62	83.901		
5,400.00	5,033.51	4,910.51	4,910.51	38.10	84.74	47.87	81.07	-10,862.03	9,504.16	9,388.24	115.92	81.991		
5,500.00	5,125.01	5,002.01	5,002.01	38.92	86.34	48.04	81.07	-10,862.03	9,475.83	9,357.61	118.22	80.155		
5,600.00	5,216.50	5,106.50	5,093.50	39.73	88.17	48.22	81.07	-10,862.03	9,447.58	9,326.83	120.75	78.241		
5,700.00	5,308.00	5,185.00	5,185.00	40.55	89.54	48.39	81.07	-10,862.03	9,419.43	9,296.60	122.83	76.686		
5,800.00	5,399.49	5,276.49	5,276.49	41.36	91.13	48.57	81.07	-10,862.03	9,391.37	9,266.23	125.14	75.047		
5,900.00	5,490.99	5,367.99	5,367.99	42.18	92.73	48.74	81.07	-10,862.03	9,363.39	9,235.94	127.45	73.466		
6,000.00	5,582.48	5,459.48	5,459.48	43.00	94.33	48.92	81.07	-10,862.03	9,335.51	9,205.74	129.77	71.940		
6,100.00	5,673.98	5,550.98	5,550.98	43.81	95.92	49.10	81.07	-10,862.03	9,307.71	9,175.63	132.09	70.467		
6,200.00	5,765.47	5,642.47	5,642.47	44.63	97.52	49.28	81.07	-10,862.03	9,280.01	9,145.61	134.41	69.045		
6,300.00	5,856.97	5,733.97	5,733.97	45.45	99.12	49.46	81.07	-10,862.03	9,252.41	9,115.68	136.73	67.670		
6,400.00	5,948.46	5,825.46	5,825.46	46.26	100.71	49.64	81.07	-10,862.03	9,224.89	9,085.84	139.05	66.340		
6,500.00	6,039.96	5,916.96	5,916.96	47.08	102.31	49.82	81.07	-10,862.03	9,197.47	9,056.09	141.38	65.054		
6,600.00	6,131.45	6,008.45	6,008.45	47.90	103.91	50.00	81.07	-10,862.03	9,170.15	9,026.44	143.71	63.808		
6,700.00	6,222.95	6,100.05	6,099.95	48.71	105.51	50.19	81.07	-10,862.03	9,142.93	8,996.88	146.05	62.602		
6,800.00	6,314.44	6,208.56	6,191.44	49.53	107.40	50.37	81.07	-10,862.03	9,115.80	8,967.11	148.68	61.311		
6,900.00	6,405.93	6,282.93	6,282.93	50.35	108.70	50.56	81.07	-10,862.03	9,088.77	8,938.04	150.72	60.301		
7,000.00	6,497.01	6,374.01	6,374.01	51.18	110.29	45.92	81.07	-10,862.03	9,060.62	8,907.56	153.06	59.196		
7,100.00	6,582.62	6,459.62	6,459.62	52.20	111.78	38.28	81.07	-10,862.03	9,019.59	8,864.23	155.36	58.057		
7,200.00	6,659.25	6,536.25	6,536.25	53.42	113.12	34.92	81.07	-10,862.03	8,963.74	8,806.22	157.52	56.906		
7,300.00	6,724.59	6,601.59	6,601.59	54.84	114.26	34.44	81.07	-10,862.03	8,894.78	8,735.31	159.47	55.776		
7,400.00	6,776.64	6,653.64	6,653.64	56.40	115.17	36.85	81.07	-10,862.03	8,814.79	8,653.64	161.15	54.699		
7,500.00	6,813.82	6,709.18	6,690.82	58.08	116.14	43.74	81.07	-10,862.03	8,726.18	8,563.38	162.81	53.599		
7,600.00	6,835.01	6,712.01	6,712.01	59.82	116.19	60.88	81.07	-10,862.03	8,631.63	8,468.19	163.44	52.813		
7,700.00	6,840.00	6,717.00	6,717.00	61.57	116.27	90.00	81.07	-10,862.03	8,533.99	8,370.00	163.98	52.042		
7,800.00	6,840.00	6,717.00	6,717.00	63.35	116.27	90.00	81.07	-10,862.03	8,435.90	8,271.49	164.41	51.309		
7,900.00	6,840.00	6,717.00	6,717.00	65.20	116.27	90.00	81.07	-10,862.03	8,337.86	8,173.01	164.86	50.576		
8,000.00	6,840.00	6,717.00	6,717.00	67.10	116.27	90.00	81.07	-10,862.03	8,239.87	8,074.55	165.31	49.844		
8,100.00	6,840.00	6,717.00	6,717.00	69.05	116.27	90.00	81.07	-10,862.03	8,141.92	7,976.14	165.79	49.111		
8,200.00	6,840.00	6,717.00	6,717.00	71.06	116.27	90.00	81.07	-10,862.03	8,044.03	7,877.75	166.28	48.377		
8,300.00	6,840.00	6,717.00	6,717.00	73.11	116.27	90.00	81.07	-10,862.03	7,946.19	7,779.41	166.78	47.644		
8,400.00	6,840.00	6,717.00	6,717.00	75.21	116.27	90.00	81.07	-10,862.03	7,848.40	7,681.10	167.30	46.911		
8,500.00	6,840.00	6,717.00	6,717.00	77.34	116.27	90.00	81.07	-10,862.03	7,750.67	7,582.83	167.84	46.178		
8,600.00	6,840.00	6,717.00	6,717.00	79.51	116.27	90.00	81.07	-10,862.03	7,653.00	7,484.60	168.40	45.445		
8,700.00	6,840.00	6,717.00	6,717.00	81.72	116.27	90.00	81.07	-10,862.03	7,555.39	7,386.41	168.98	44.712		
8,800.00	6,840.00	6,717.00	6,717.00	83.95	116.27	90.00	81.07	-10,862.03	7,457.84	7,288.27	169.58	43.979		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - SI VERT LIBSACK 43-27 - 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		
8,900.00	6,840.00	6,717.00	6,717.00	86.22	116.27	90.00	81.07	-10,862.03	7,360.36	7,190.17	170.19	43.247		
9,000.00	6,840.00	6,717.00	6,717.00	88.51	116.27	90.00	81.07	-10,862.03	7,262.95	7,092.12	170.83	42.515		
9,100.00	6,840.00	6,717.00	6,717.00	90.83	116.27	90.00	81.07	-10,862.03	7,165.60	6,994.11	171.49	41.784		
9,200.00	6,840.00	6,717.00	6,717.00	93.16	116.27	90.00	81.07	-10,862.03	7,068.34	6,896.16	172.17	41.053		
9,300.00	6,840.00	6,717.00	6,717.00	95.52	116.27	90.00	81.07	-10,862.03	6,971.15	6,798.26	172.88	40.323		
9,400.00	6,840.00	6,717.00	6,717.00	97.90	116.27	90.00	81.07	-10,862.03	6,874.04	6,700.42	173.61	39.594		
9,500.00	6,840.00	6,717.00	6,717.00	100.30	116.27	90.00	81.07	-10,862.03	6,777.01	6,602.64	174.37	38.866		
9,600.00	6,840.00	6,717.00	6,717.00	102.72	116.27	90.00	81.07	-10,862.03	6,680.07	6,504.92	175.15	38.138		
9,700.00	6,840.00	6,717.00	6,717.00	105.15	116.27	90.00	81.07	-10,862.03	6,583.23	6,407.26	175.97	37.412		
9,800.00	6,840.00	6,717.00	6,717.00	107.59	116.27	90.00	81.07	-10,862.03	6,486.47	6,309.67	176.81	36.686		
9,900.00	6,840.00	6,717.00	6,717.00	110.05	116.27	90.00	81.07	-10,862.03	6,389.82	6,212.14	177.68	35.962		
10,000.00	6,840.00	6,717.00	6,717.00	112.52	116.27	90.00	81.07	-10,862.03	6,293.28	6,114.69	178.58	35.240		
10,100.00	6,840.00	6,717.00	6,717.00	115.00	116.27	90.00	81.07	-10,862.03	6,196.84	6,017.32	179.52	34.519		
10,200.00	6,840.00	6,717.00	6,717.00	117.50	116.27	90.00	81.07	-10,862.03	6,100.52	5,920.03	180.49	33.799		
10,300.00	6,840.00	6,717.00	6,717.00	120.00	116.27	90.00	81.07	-10,862.03	6,004.32	5,822.82	181.50	33.082		
10,400.00	6,840.00	6,717.00	6,717.00	122.51	116.27	90.00	81.07	-10,862.03	5,908.24	5,725.70	182.55	32.366		
10,500.00	6,840.00	6,717.00	6,717.00	125.04	116.27	90.00	81.07	-10,862.03	5,812.30	5,628.67	183.63	31.652		
10,600.00	6,840.00	6,717.00	6,717.00	127.57	116.27	90.00	81.07	-10,862.03	5,716.49	5,531.74	184.76	30.941		
10,700.00	6,840.00	6,717.00	6,717.00	130.11	116.27	90.00	81.07	-10,862.03	5,620.84	5,434.91	185.93	30.231		
10,800.00	6,840.00	6,717.00	6,717.00	132.66	116.27	90.00	81.07	-10,862.03	5,525.33	5,338.19	187.14	29.525		
10,900.00	6,840.00	6,717.00	6,717.00	135.21	116.27	90.00	81.07	-10,862.03	5,429.99	5,241.59	188.40	28.821		
11,000.00	6,840.00	6,717.00	6,717.00	137.77	116.27	90.00	81.07	-10,862.03	5,334.82	5,145.10	189.72	28.120		
11,100.00	6,840.00	6,717.00	6,717.00	140.34	116.27	90.00	81.07	-10,862.03	5,239.83	5,048.75	191.08	27.422		
11,200.00	6,840.00	6,717.00	6,717.00	142.91	116.27	90.00	81.07	-10,862.03	5,145.03	4,952.52	192.50	26.727		
11,300.00	6,840.00	6,717.00	6,717.00	145.49	116.27	90.00	81.07	-10,862.03	5,050.42	4,856.44	193.98	26.036		
11,400.00	6,840.00	6,717.00	6,717.00	148.07	116.27	90.00	81.07	-10,862.03	4,956.03	4,760.52	195.52	25.348		
11,500.00	6,840.00	6,717.00	6,717.00	150.66	116.27	90.00	81.07	-10,862.03	4,861.87	4,664.75	197.12	24.665		
11,600.00	6,840.00	6,717.00	6,717.00	153.25	116.27	90.00	81.07	-10,862.03	4,767.94	4,569.15	198.79	23.985		
11,700.00	6,840.00	6,717.00	6,717.00	155.85	116.27	90.00	81.07	-10,862.03	4,674.27	4,473.74	200.53	23.310		
11,800.00	6,840.00	6,717.00	6,717.00	158.45	116.27	90.00	81.07	-10,862.03	4,580.86	4,378.52	202.34	22.639		
11,900.00	6,840.00	6,717.00	6,717.00	161.06	116.27	90.00	81.07	-10,862.03	4,487.73	4,283.50	204.23	21.973		
12,000.00	6,840.00	6,717.00	6,717.00	163.67	116.27	90.00	81.07	-10,862.03	4,394.91	4,188.70	206.21	21.313		
12,100.00	6,840.00	6,717.00	6,717.00	166.28	116.27	90.00	81.07	-10,862.03	4,302.41	4,094.14	208.27	20.658		
12,200.00	6,840.00	6,717.00	6,717.00	168.90	116.27	90.00	81.07	-10,862.03	4,210.25	3,999.83	210.43	20.008		
12,300.00	6,840.00	6,717.00	6,717.00	171.52	116.27	90.00	81.07	-10,862.03	4,118.46	3,905.79	212.68	19.365		
12,400.00	6,840.00	6,717.00	6,717.00	174.15	116.27	90.00	81.07	-10,862.03	4,027.06	3,812.03	215.03	18.728		
12,500.00	6,840.00	6,717.00	6,717.00	176.77	116.27	90.00	81.07	-10,862.03	3,936.08	3,718.59	217.49	18.098		
12,600.00	6,840.00	6,717.00	6,717.00	179.40	116.27	90.00	81.07	-10,862.03	3,845.55	3,625.48	220.07	17.475		
12,700.00	6,840.00	6,717.00	6,717.00	182.04	116.27	90.00	81.07	-10,862.03	3,755.49	3,532.73	222.76	16.859		
12,800.00	6,840.00	6,717.00	6,717.00	184.67	116.27	90.00	81.07	-10,862.03	3,665.95	3,440.37	225.58	16.251		
12,900.00	6,840.00	6,717.00	6,717.00	187.31	116.27	90.00	81.07	-10,862.03	3,576.97	3,348.43	228.54	15.651		
13,000.00	6,840.00	6,717.00	6,717.00	189.95	116.27	90.00	81.07	-10,862.03	3,488.58	3,256.94	231.64	15.060		
13,100.00	6,840.00	6,717.00	6,717.00	192.59	116.27	90.00	81.07	-10,862.03	3,400.84	3,165.95	234.89	14.478		
13,200.00	6,840.00	6,717.00	6,717.00	195.24	116.27	90.00	81.07	-10,862.03	3,313.79	3,075.49	238.30	13.906		
13,300.00	6,840.00	6,717.00	6,717.00	197.88	116.27	90.00	81.07	-10,862.03	3,227.49	2,985.62	241.87	13.344		
13,400.00	6,840.00	6,717.00	6,717.00	200.53	116.27	90.00	81.07	-10,862.03	3,142.00	2,896.39	245.61	12.792		
13,500.00	6,840.00	6,717.00	6,717.00	203.18	116.27	90.00	81.07	-10,862.03	3,057.40	2,807.85	249.54	12.252		
13,600.00	6,840.00	6,717.00	6,717.00	205.83	116.27	90.00	81.07	-10,862.03	2,973.75	2,720.08	253.66	11.723		
13,700.00	6,840.00	6,717.00	6,717.00	208.49	116.27	90.00	81.07	-10,862.03	2,891.14	2,633.15	257.99	11.207		
13,800.00	6,840.00	6,717.00	6,717.00	211.14	116.27	90.00	81.07	-10,862.03	2,809.66	2,547.14	262.52	10.703		
13,900.00	6,840.00	6,717.00	6,717.00	213.80	116.27	90.00	81.07	-10,862.03	2,729.41	2,462.14	267.26	10.212		
14,000.00	6,840.00	6,717.00	6,717.00	216.46	116.27	90.00	81.07	-10,862.03	2,650.50	2,378.27	272.23	9.736		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - SI VERT LIBSACK 43-27 - 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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	6,840.00	6,717.00	6,717.00	219.12	116.27	90.00	81.07	-10,862.03	2,573.06	2,295.64	277.42	9.275		
14,200.00	6,840.00	6,717.00	6,717.00	221.78	116.27	90.00	81.07	-10,862.03	2,497.23	2,214.38	282.85	8.829		
14,300.00	6,840.00	6,717.00	6,717.00	224.45	116.27	90.00	81.07	-10,862.03	2,423.15	2,134.64	288.50	8.399		
14,400.00	6,840.00	6,717.00	6,717.00	227.11	116.27	90.00	81.07	-10,862.03	2,350.99	2,056.60	294.38	7.986		
14,500.00	6,840.00	6,717.00	6,717.00	229.78	116.27	90.00	81.07	-10,862.03	2,280.93	1,980.45	300.48	7.591		
14,600.00	6,840.00	6,717.00	6,717.00	232.45	116.27	90.00	81.07	-10,862.03	2,213.17	1,906.39	306.78	7.214		
14,700.00	6,840.00	6,717.00	6,717.00	235.12	116.27	90.00	81.07	-10,862.03	2,147.93	1,834.66	313.27	6.856		
14,800.00	6,840.00	6,717.00	6,717.00	237.79	116.27	90.00	81.07	-10,862.03	2,085.45	1,765.54	319.91	6.519		
14,900.00	6,840.00	6,717.00	6,717.00	240.46	116.27	90.00	81.07	-10,862.03	2,025.98	1,699.32	326.66	6.202		
15,000.00	6,840.00	6,717.00	6,717.00	243.13	116.27	90.00	81.07	-10,862.03	1,969.80	1,636.32	333.48	5.907		
15,100.00	6,840.00	6,717.00	6,717.00	245.80	116.27	90.00	81.07	-10,862.03	1,917.19	1,576.89	340.30	5.634		
15,200.00	6,840.00	6,717.00	6,717.00	248.48	116.27	90.00	81.07	-10,862.03	1,868.45	1,521.41	347.04	5.384		
15,300.00	6,840.00	6,717.00	6,717.00	251.15	116.27	90.00	81.07	-10,862.03	1,823.90	1,470.28	353.62	5.158		
15,400.00	6,840.00	6,717.00	6,717.00	253.83	116.27	90.00	81.07	-10,862.03	1,783.84	1,423.91	359.93	4.956		
15,500.00	6,840.00	6,717.00	6,717.00	256.51	116.27	90.00	81.07	-10,862.03	1,748.60	1,382.74	365.86	4.779		
15,600.00	6,840.00	6,717.00	6,717.00	259.19	116.27	90.00	81.07	-10,862.03	1,718.45	1,347.16	371.29	4.628		
15,700.00	6,840.00	6,717.00	6,717.00	261.87	116.27	90.00	81.07	-10,862.03	1,693.69	1,317.57	376.12	4.503		
15,800.00	6,840.00	6,717.00	6,717.00	264.55	116.27	90.00	81.07	-10,862.03	1,674.54	1,294.32	380.21	4.404		
15,900.00	6,840.00	6,717.00	6,717.00	267.23	116.27	90.00	81.07	-10,862.03	1,661.19	1,277.71	383.49	4.332		
16,000.00	6,840.00	6,717.00	6,717.00	269.91	116.27	90.00	81.07	-10,862.03	1,653.80	1,267.94	385.86	4.286		
16,072.52	6,840.00	6,717.00	6,717.00	271.85	116.27	90.00	81.07	-10,862.03	1,652.21	1,265.22	386.99	4.269	CC	
16,100.00	6,840.00	6,717.00	6,717.00	272.59	116.27	90.00	81.07	-10,862.03	1,652.44	1,265.15	387.29	4.267	ES, SF	
16,200.00	6,840.00	6,717.00	6,717.00	275.28	116.27	90.00	81.07	-10,862.03	1,657.12	1,269.38	387.74	4.274		
16,300.00	6,840.00	6,717.00	6,717.00	277.96	116.27	90.00	81.07	-10,862.03	1,667.80	1,280.56	387.24	4.307		
16,400.00	6,840.00	6,717.00	6,717.00	280.64	116.27	90.00	81.07	-10,862.03	1,684.35	1,298.54	385.81	4.366		
16,500.00	6,840.00	6,717.00	6,717.00	283.33	116.27	90.00	81.07	-10,862.03	1,706.62	1,323.08	383.54	4.450		
16,600.00	6,840.00	6,717.00	6,717.00	286.02	116.27	90.00	81.07	-10,862.03	1,734.37	1,353.86	380.51	4.558		
16,700.00	6,840.00	6,717.00	6,717.00	288.70	116.27	90.00	81.07	-10,862.03	1,767.35	1,390.54	376.81	4.690		
16,800.00	6,840.00	6,717.00	6,717.00	291.39	116.27	90.00	81.07	-10,862.03	1,805.28	1,432.71	372.57	4.845		
16,900.00	6,840.00	6,717.00	6,717.00	294.08	116.27	90.00	81.07	-10,862.03	1,847.84	1,479.95	367.89	5.023		
17,000.00	6,840.00	6,717.00	6,717.00	296.77	116.27	90.00	81.07	-10,862.03	1,894.73	1,531.87	362.87	5.222		
17,100.00	6,840.00	6,717.00	6,717.00	299.46	116.27	90.00	81.07	-10,862.03	1,945.64	1,588.03	357.61	5.441		
17,200.00	6,840.00	6,717.00	6,717.00	302.14	116.27	90.00	81.07	-10,862.03	2,000.25	1,648.05	352.20	5.679		
17,300.00	6,840.00	6,717.00	6,717.00	304.84	116.27	90.00	81.07	-10,862.03	2,058.28	1,711.57	346.71	5.937		
17,400.00	6,840.00	6,717.00	6,717.00	307.53	116.27	90.00	81.07	-10,862.03	2,119.43	1,778.24	341.20	6.212		
17,500.00	6,840.00	6,717.00	6,717.00	310.22	116.27	90.00	81.07	-10,862.03	2,183.46	1,847.73	335.72	6.504		
17,600.00	6,840.00	6,717.00	6,717.00	312.91	116.27	90.00	81.07	-10,862.03	2,250.11	1,919.78	330.33	6.812		
17,700.00	6,840.00	6,717.00	6,717.00	315.60	116.27	90.00	81.07	-10,862.03	2,319.16	1,994.12	325.04	7.135		
17,800.00	6,840.00	6,717.00	6,717.00	318.29	116.27	90.00	81.07	-10,862.03	2,390.39	2,070.51	319.88	7.473		
17,900.00	6,840.00	6,717.00	6,717.00	320.99	116.27	90.00	81.07	-10,862.03	2,463.63	2,148.75	314.88	7.824		
18,000.00	6,840.00	6,717.00	6,717.00	323.68	116.27	90.00	81.07	-10,862.03	2,538.69	2,228.66	310.04	8.188		
18,100.00	6,840.00	6,717.00	6,717.00	326.38	116.27	90.00	81.07	-10,862.03	2,615.43	2,310.07	305.36	8.565		
18,200.00	6,840.00	6,717.00	6,717.00	329.07	116.27	90.00	81.07	-10,862.03	2,693.69	2,392.83	300.86	8.953		
18,300.00	6,840.00	6,717.00	6,717.00	331.77	116.27	90.00	81.07	-10,862.03	2,773.35	2,476.81	296.54	9.352		
18,400.00	6,840.00	6,717.00	6,717.00	334.46	116.27	90.00	81.07	-10,862.03	2,854.29	2,561.90	292.38	9.762		
18,500.00	6,840.00	6,717.00	6,717.00	337.16	116.27	90.00	81.07	-10,862.03	2,936.40	2,648.00	288.40	10.182		
18,600.00	6,840.00	6,717.00	6,717.00	339.85	116.27	90.00	81.07	-10,862.03	3,019.59	2,735.00	284.59	10.610		
18,700.00	6,840.00	6,717.00	6,717.00	342.55	116.27	90.00	81.07	-10,862.03	3,103.78	2,822.84	280.94	11.048		
18,800.00	6,840.00	6,717.00	6,717.00	345.25	116.27	90.00	81.07	-10,862.03	3,188.88	2,911.44	277.44	11.494		
18,900.00	6,840.00	6,717.00	6,717.00	347.94	116.27	90.00	81.07	-10,862.03	3,274.82	3,000.72	274.10	11.948		
19,000.00	6,840.00	6,717.00	6,717.00	350.64	116.27	90.00	81.07	-10,862.03	3,361.54	3,090.64	270.90	12.409		
19,100.00	6,840.00	6,717.00	6,717.00	353.34	116.27	90.00	81.07	-10,862.03	3,448.97	3,181.14	267.83	12.877		

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

Anticollision Report

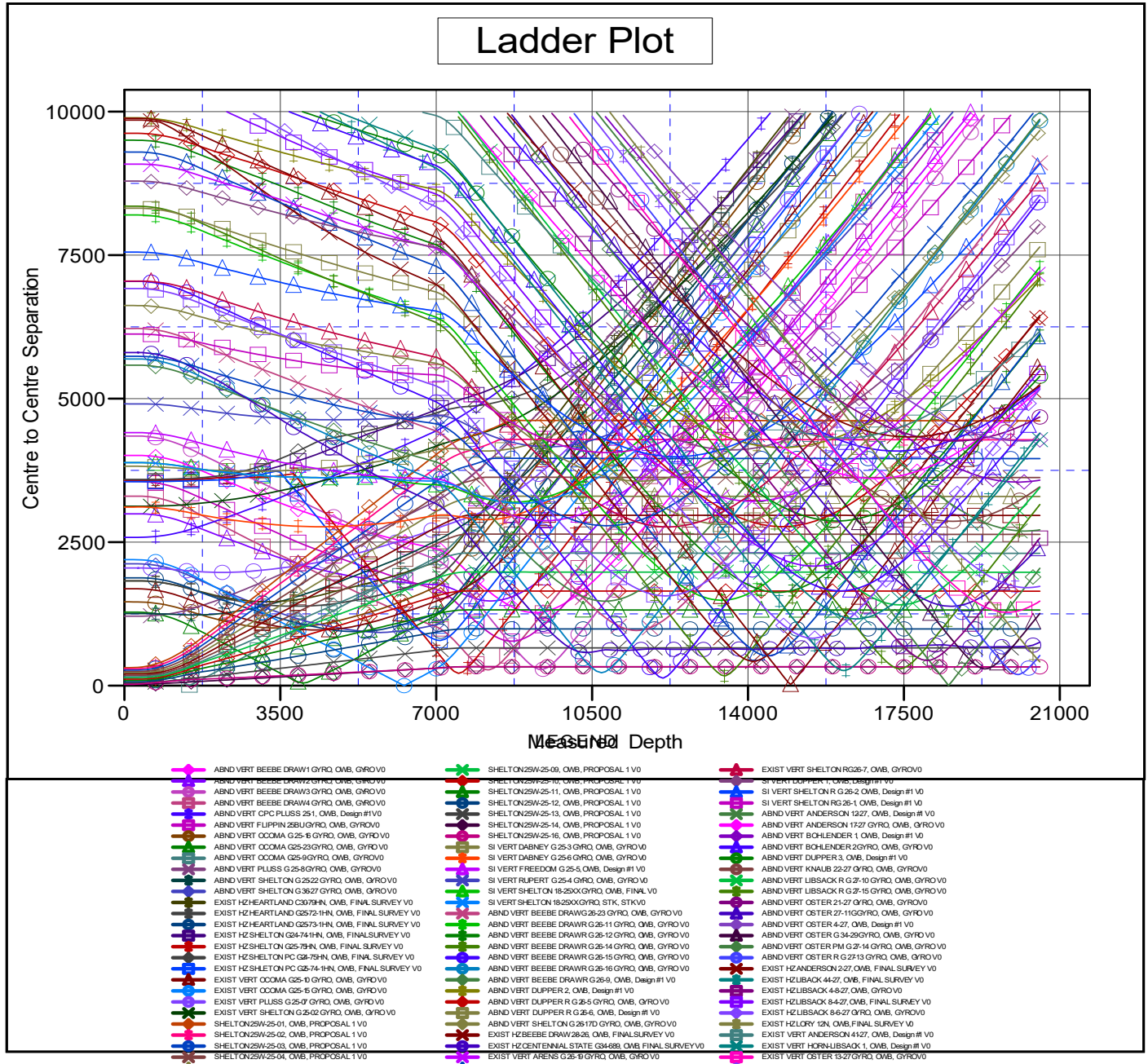
Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 27-T4N-R65W - SI VERT LIBSACK 43-27 - 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	
19,200.00	6,840.00	6,717.00	6,717.00	356.04	116.27	90.00	81.07	-10,862.03	3,537.08	3,272.17	264.90	13.352	
19,300.00	6,840.00	6,717.00	6,717.00	358.74	116.27	90.00	81.07	-10,862.03	3,625.80	3,363.70	262.10	13.834	
19,400.00	6,840.00	6,717.00	6,717.00	361.44	116.27	90.00	81.07	-10,862.03	3,715.09	3,455.67	259.42	14.321	
19,500.00	6,840.00	6,717.00	6,717.00	364.13	116.27	90.00	81.07	-10,862.03	3,804.92	3,548.07	256.85	14.814	
19,600.00	6,840.00	6,717.00	6,717.00	366.83	116.27	90.00	81.07	-10,862.03	3,895.24	3,640.85	254.39	15.312	
19,700.00	6,840.00	6,717.00	6,717.00	369.53	116.27	90.00	81.07	-10,862.03	3,986.02	3,733.99	252.03	15.816	
19,800.00	6,840.00	6,717.00	6,717.00	372.23	116.27	90.00	81.07	-10,862.03	4,077.24	3,827.47	249.77	16.324	
19,900.00	6,840.00	6,717.00	6,717.00	374.94	116.27	90.00	81.07	-10,862.03	4,168.86	3,921.25	247.61	16.837	
20,000.00	6,840.00	6,717.00	6,717.00	377.64	116.27	90.00	81.07	-10,862.03	4,260.85	4,015.32	245.53	17.354	
20,100.00	6,840.00	6,717.00	6,717.00	380.34	116.27	90.00	81.07	-10,862.03	4,353.20	4,109.66	243.54	17.875	
20,200.00	6,840.00	6,717.00	6,717.00	383.04	116.27	90.00	81.07	-10,862.03	4,445.88	4,204.25	241.63	18.400	
20,300.00	6,840.00	6,717.00	6,717.00	385.74	116.27	90.00	81.07	-10,862.03	4,538.87	4,299.08	239.79	18.928	
20,400.00	6,840.00	6,717.00	6,717.00	388.44	116.27	90.00	81.07	-10,862.03	4,632.16	4,394.12	238.03	19.460	
20,500.00	6,840.00	6,717.00	6,717.00	391.14	116.27	90.00	81.07	-10,862.03	4,725.71	4,489.37	236.34	19.996	
20,552.28	6,840.00	6,717.00	6,717.00	392.56	116.27	90.00	81.07	-10,862.03	4,774.72	4,539.24	235.48	20.277	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Coordinates are relative to: SHELTON 25W-25-15
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.58°



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

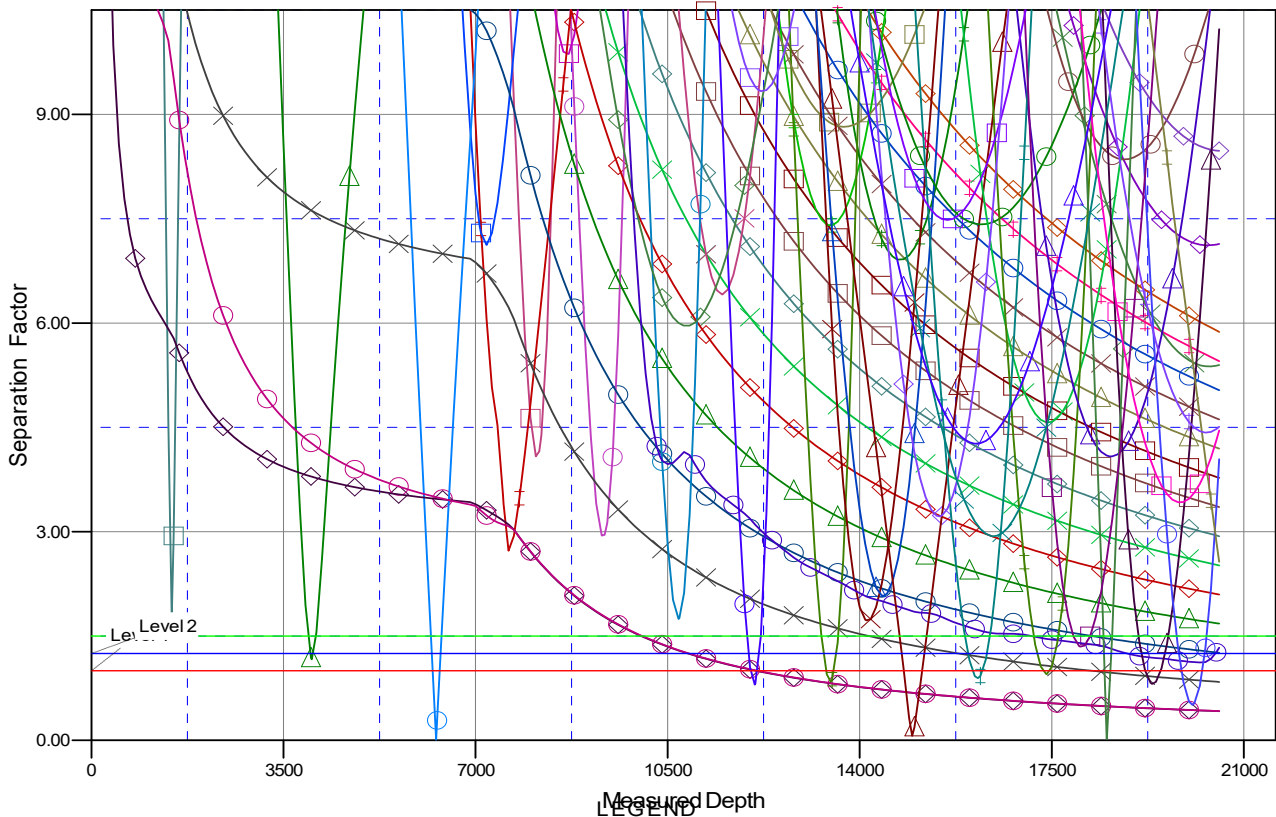
Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-15
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4860.00usft
Reference Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4860.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SHELTON 25W-25-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 25' @ 4860.00usft
Offset Depths are relative to Offset Datum
Central Meridian is 105.500000°W

Coordinates are relative to: SHELTON 25W-25-15
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.58°

Separation Factor Plot



ABND VERT BEEBE DRAW1 GYRO, OMB, GYRO V0	SHELTON25W-25-09, OMB, PROPOSAL 1 V0	EXIST VERT SHELTON R26-7, OMB, GYROV0
ABND VERT BEEBE DRAW2 GYRO, OMB, GYRO V0	SHELTON25W-25-10, OMB, PROPOSAL 1 V0	SI VERT DUFFER 1, OMB, Design#1 V0
ABND VERT BEEBE DRAW3 GYRO, OMB, GYRO V0	SHELTON25W-25-11, OMB, PROPOSAL 1 V0	SI VERT SHELTON R G26-2, OMB, Design#1 V0
ABND VERT BEEBE DRAW4 GYRO, OMB, GYRO V0	SHELTON25W-25-12, OMB, PROPOSAL 1 V0	SI VERT SHELTON R26-1, OMB, Design#1 V0
ABND VERT GPC PLUS5 251, OMB, Design#1 V0	SHELTON25W-25-13, OMB, PROPOSAL 1 V0	ABND VERT ANDERSON 1227, OMB, Design#1 V0
ABND VERT FLUPIN ZBLUG GYRO, OMB, GYROV0	SHELTON25W-25-14, OMB, PROPOSAL 1 V0	ABND VERT ANDERSON 1727 GYRO, OMB, GYROV0
ABND VERT OCOMA G25-16 GYRO, OMB, GYROV0	SHELTON25W-25-16, OMB, PROPOSAL 1 V0	ABND VERT BOHLENDER 1, OMB, Design#1 V0
ABND VERT OCOMA G25-23 GYRO, OMB, GYRO V0	SI VERT DABNEY G25-3 GYRO, OMB, GYRO V0	ABND VERT BOHLENDER 2 GYRO, OMB, GYRO V0
ABND VERT OCOMA G25-9 GYRO, OMB, GYROV0	SI VERT DABNEY G25-6 GYRO, OMB, GYRO V0	ABND VERT DUFFER 3, OMB, Design#1 V0
ABND VERT PLUS5 G25-5 GYRO, OMB, GYROV0	SI VERT FREEDOM G25-5, OMB, Design#1 V0	ABND VERT KNAUB 22-27 GYRO, OMB, GYROV0
ABND VERT SHELTON G25-22 GYRO, OMB, GYRO V0	SI VERT FULPERT G25-4 GYRO, OMB, GYRO V0	ABND VERT LUBSACK R G25-14 GYRO, OMB, GYROV0
EXIST HZ HEARTLAND C3079H, OMB, FINAL SURVEY V0	SI VERT SHELTON 18-20X GYRO, OMB, FINAL V0	ABND VERT LUBSACK R G25-15 GYRO, OMB, GYROV0
EXIST HZ HEARTLAND G2572-1H, OMB, FINAL SURVEY V0	SI VERT SHELTON 18-20X GYRO, STK, STKV0	ABND VERT OSTER 21-27 GYRO, OMB, GYROV0
EXIST HZ HEARTLAND G2573-1H, OMB, FINAL SURVEY V0	ABND VERT BEEBE DRAWR G26-23 GYRO, OMB, GYROV0	ABND VERT OSTER 27-11 GYRO, OMB, GYRO V0
EXIST HZ SHELTON G24-74H, OMB, FINAL SURVEY V0	ABND VERT BEEBE DRAWR G26-11 GYRO, OMB, GYRO V0	ABND VERT OSTER 4-27, OMB, Design#1 V0
EXIST HZ SHELTON G25-79H, OMB, FINAL SURVEY V0	ABND VERT BEEBE DRAWR G26-12 GYRO, OMB, GYRO V0	ABND VERT OSTER G34-26 GYRO, OMB, GYRO V0
EXIST HZ SHELTON G25-79H, OMB, FINAL SURVEY V0	ABND VERT BEEBE DRAWR G26-14 GYRO, OMB, GYRO V0	ABND VERT OSTER PM G25-14 GYRO, OMB, GYROV0
EXIST HZ SHELTON G25-79H, OMB, FINAL SURVEY V0	ABND VERT BEEBE DRAWR G26-15 GYRO, OMB, GYRO V0	EXIST HZ LUBSACK R G25-13 GYRO, OMB, GYROV0
EXIST HZ SHELTON G25-79H, OMB, FINAL SURVEY V0	ABND VERT BEEBE DRAWR G26-16 GYRO, OMB, GYRO V0	EXIST HZ ANDERSON 227, OMB, FINAL SURVEY V0
EXIST VERT OCOMA G25-10 GYRO, OMB, GYRO V0	ABND VERT BEEBE DRAWR G26-9, OMB, Design#1 V0	EXIST HZ LUBSACK 44-27, OMB, FINAL SURVEY V0
EXIST VERT OCOMA G25-15 GYRO, OMB, GYRO V0	ABND VERT DUFFER 2, OMB, Design#1 V0	EXIST HZ LUBSACK 48-27, OMB, GYRO V0
EXIST VERT PLUS5 G25-7 GYRO, OMB, GYRO V0	ABND VERT DUFFER R G25-5 GYRO, OMB, GYRO V0	EXIST HZ LUBSACK 84-27, OMB, FINAL SURVEY V0
EXIST VERT SHELTON G26-02 GYRO, OMB, GYROV0	ABND VERT DUFFER R G26-4, OMB, Design#1 V0	EXIST HZ LUBSACK 86-27 GYRO, OMB, GYROV0
SHELTON25W-25-01, OMB, PROPOSAL 1 V0	ABND VERT SHELTON G26-10 GYRO, OMB, GYROV0	EXIST HZ LUBSACK 12A, OMB, FINAL SURVEY V0
SHELTON25W-25-02, OMB, PROPOSAL 1 V0	EXIST HZ BEEBE DRAW 26-26, OMB, FINAL SURVEY V0	EXIST VERT ANDERSON 4127, OMB, Design#1 V0
SHELTON25W-25-03, OMB, PROPOSAL 1 V0	EXIST HZ CENTENNIAL STATE G34-68, OMB, FINAL SURVEY V0	EXIST VERT HORNBUSACK 1, OMB, Design#1 V0
SHELTON25W-25-04, OMB, PROPOSAL 1 V0	EXIST VERT ARENS G26-10 GYRO, OMB, GYROV0	EXIST VERT OSTER 15-27 GYRO, OMB, GYROV0

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