

BONANZA CREEK ENERGY

WELD COUNTY

SEC 36-T5N-R63W

STATE NORTH PLATTE F-36 FED 25N-30-05

OWB

PROPOSAL 1

Anticollision Report

03 January, 2024

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
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:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Unknown AC limit!	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	1/2/2024		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	22,085.16	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 13-T5N-R63W						
ABND VERT 70 RANCH - USX BB 13-7 (GYRO) - OWB	20,323.04	6,273.99	306.98	35.05	1.129	Level 2, CC, ES, SF
ABND VERT 70 RANCH USX BB 13-02 (GYRO) - OWB	21,728.17	6,280.84	321.60	24.91	1.084	Level 2, CC, ES, SF
ABND VERT NORTH PLATTE 33-13 (GYRO) - OWB - G	18,966.53	6,000.00	416.48	208.64	2.004	CC
ABND VERT NORTH PLATTE 33-13 (GYRO) - OWB - G	19,000.00	6,000.00	417.82	207.74	1.989	ES, SF
EXIST HZ NORTH PLATTE 34-13 - OWB - FINAL SURV	17,490.86	6,528.42	113.15	-121.74	0.482	Level 1, CC
EXIST HZ NORTH PLATTE 34-13 - OWB - FINAL SURV	17,500.00	6,528.37	113.52	-123.67	0.479	Level 1, ES, SF
EXIST HZ NORTH PLATTE K-O-13HNC - OWB - FINAL	22,085.16	6,647.22	373.90	67.29	1.219	Level 2, CC, ES, SF
EXIST HZ NORTH PLATTE S-13 - OWB - FINAL SURVE	18,469.45	6,369.55	1,119.00	876.89	4.622	CC
EXIST HZ NORTH PLATTE S-13 - OWB - FINAL SURVE	18,500.00	6,369.58	1,119.42	876.10	4.601	ES
EXIST HZ NORTH PLATTE S-13 - OWB - FINAL SURVE	18,600.00	6,369.67	1,126.59	880.40	4.576	SF
NORTH PLATTE T34-P31-13HNB - OWB - FINAL SURV	17,410.92	6,729.14	434.88	211.17	1.944	CC
NORTH PLATTE T34-P31-13HNB - OWB - FINAL SURV	21,900.00	11,234.37	456.89	100.39	1.282	Level 3, ES, SF
SEC 24-T5N-R63W						
ABND VERT MONAHAN FARR 1 - OWB - Design #1	15,927.60	6,265.00	1,279.27	1,084.87	6.581	CC
ABND VERT MONAHAN FARR 1 - OWB - Design #1	16,000.00	6,265.00	1,281.32	1,084.05	6.495	ES
ABND VERT MONAHAN FARR 1 - OWB - Design #1	16,100.00	6,265.00	1,290.84	1,090.50	6.443	SF
ABND VERT MONAHAN FEDERAL 24 (GYRO) - OWB -	16,000.00	6,100.00	544.36	352.94	2.844	CC
ABND VERT MONAHAN FEDERAL 24 (GYRO) - OWB -	16,004.45	6,100.00	544.37	352.62	2.839	ES
ABND VERT MONAHAN FEDERAL 24 (GYRO) - OWB -	16,100.00	6,100.00	553.21	356.92	2.818	SF
EXIST HZ NORTH PLATTE 24-21-24HZ - OWB - FINAL	12,340.80	6,682.89	1,243.18	1,109.15	9.275	CC
EXIST HZ NORTH PLATTE 24-21-24HZ - OWB - FINAL	16,500.00	10,898.00	1,357.92	1,090.34	5.075	SF
EXIST HZ NORTH PLATTE 24-21-24HZ - OWB - FINAL	16,545.99	10,898.00	1,357.14	1,089.79	5.076	ES
EXIST HZ NORTH PLATTE E-A-24HNA - OWB - FINAL	11,819.26	6,057.00	2,655.12	2,534.02	21.926	CC, ES
EXIST HZ NORTH PLATTE E-A-24HNA - OWB - FINAL	16,800.00	11,081.00	2,907.80	2,637.66	10.764	SF
EXIST HZ NORTH PLATTE E-A-24HNC - OWB - FINAL	11,850.64	6,393.34	2,882.69	2,758.17	23.151	CC
EXIST HZ NORTH PLATTE E-A-24HNC - OWB - FINAL	11,900.00	6,418.17	2,882.99	2,758.05	23.075	ES
EXIST HZ NORTH PLATTE E-A-24HNC - OWB - FINAL	16,800.00	11,278.00	3,079.70	2,809.35	11.392	SF
EXIST HZ NORTH PLATTE J-F-24HZ - OWB - FINAL SU	11,689.74	6,356.00	1,960.77	1,836.64	15.796	CC
EXIST HZ NORTH PLATTE J-F-24HZ - OWB - FINAL SU	15,600.00	10,254.99	2,051.97	1,818.51	8.789	ES
EXIST HZ NORTH PLATTE J-F-24HZ - OWB - FINAL SU	16,700.00	11,252.15	2,134.96	1,867.23	7.974	SF
EXIST HZ NORTH PLATTE O-K-24HC - OWB - FINAL S	11,856.75	6,406.39	447.55	322.21	3.571	CC, ES
EXIST HZ NORTH PLATTE O-K-24HC - OWB - FINAL S	15,600.00	10,234.03	553.24	338.01	2.571	SF
EXIST HZ NORTH PLATTE O-K-24HNB - OWB - FINAL	11,900.00	6,505.00	307.41	178.69	2.388	ES, SF
EXIST HZ NORTH PLATTE O-K-24HNB - OWB - FINAL	11,919.45	6,511.57	307.03	179.21	2.402	CC
EXIST HZ NORTH PLATTE O-K-24HNB - STK 1 - FINAL	12,125.31	6,548.98	320.14	191.06	2.480	CC

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

Civitas Resources

Anticollision Report

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Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
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 24-T5N-R63W						
EXIST HZ NORTH PLATTE O-K-24HNB - STK 1 - FINAL	16,546.12	11,000.00	430.21	166.05	1.629	ES, SF

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SEC 36-T5N-R63W						
ABND VERT 70 RANCH USX BB 25-07P - OWB - Desig	9,696.64	6,257.00	407.89	215.86	2.124	CC
ABND VERT 70 RANCH USX BB 25-07P - OWB - Desig	9,700.00	6,257.00	407.90	215.57	2.121	ES
ABND VERT 70 RANCH USX BB 25-07P - OWB - Desig	9,800.00	6,257.00	420.78	221.08	2.107	SF
EXIST HZ SI 70 RANCH USX BB 25-99HZ - OWB - FIN	9,504.45	7,979.69	95.18	45.58	1.919	CC
EXIST HZ SI 70 RANCH USX BB 25-99HZ - OWB - FIN	9,600.00	7,913.47	117.91	43.89	1.593	ES, SF
EXIST HZ SI 70 RANCH USX BB25-68HN - OWB - FINA	11,214.00	8,409.28	98.70	34.17	1.530	CC
EXIST HZ SI 70 RANCH USX BB25-68HN - OWB - FINA	11,300.00	8,412.24	130.88	33.57	1.345	Level 3, ES, SF
EXIST HZ SI 70 RANCH USX BB25-96-1HN - OWB - FIN	8,219.50	9,802.78	112.73	59.99	2.138	CC
EXIST HZ SI 70 RANCH USX BB25-96-1HN - OWB - FIN	8,300.00	9,742.17	124.53	48.56	1.639	ES
EXIST HZ SI 70 RANCH USX BB25-96-1HN - OWB - FIN	8,400.00	9,665.92	163.40	62.78	1.624	SF
EXIST HZ STATE NORTH PLATTE 11-36-1XRLC - OWB	100.00	90.63	80.37	79.95	191.572	CC
EXIST HZ STATE NORTH PLATTE 11-36-1XRLC - OWB	700.00	689.40	81.61	77.15	18.305	ES
EXIST HZ STATE NORTH PLATTE 11-36-1XRLC - OWB	1,000.00	982.13	100.00	93.31	14.953	SF
EXIST HZ STATE NORTH PLATTE 11-36-1XRNLB - OW	420.60	412.41	128.92	126.79	60.467	CC, ES
EXIST HZ STATE NORTH PLATTE 11-36-1XRNLB - OW	1,100.00	1,086.41	201.24	194.45	29.618	SF
EXIST HZ STATE NORTH PLATTE 34-31-36HNB - OWB	6,549.18	10,874.00	681.78	597.43	8.083	CC
EXIST HZ STATE NORTH PLATTE 34-31-36HNB - OWB	6,550.00	10,874.00	681.78	597.43	8.083	ES, SF
EXIST HZ STATE NORTH PLATTE 44-41-36HNB - OWB	6,686.65	10,752.00	1,760.30	1,647.68	15.630	CC
EXIST HZ STATE NORTH PLATTE 44-41-36HNB - OWB	6,700.00	10,752.00	1,760.44	1,647.60	15.601	ES
EXIST HZ STATE NORTH PLATTE 44-41-36HNB - OWB	6,800.00	10,752.00	1,770.31	1,655.98	15.484	SF
EXIST HZ STATE NORTH PLATTE F11-J14-36HNC - OW	647.90	638.66	56.54	52.31	13.377	CC, ES
EXIST HZ STATE NORTH PLATTE F11-J14-36HNC - OW	900.00	887.02	68.66	62.61	11.353	SF
EXIST HZ STATE NORTH PLATTE F21-J24-36HNC - OW	620.25	611.26	37.24	33.20	9.223	CC
EXIST HZ STATE NORTH PLATTE F21-J24-36HNC - OW	700.00	690.98	37.63	33.03	8.171	ES
EXIST HZ STATE NORTH PLATTE F21-J24-36HNC - OW	1,000.00	991.12	46.03	39.20	6.741	SF
EXIST HZ STATE NORTH PLATTE F-J-36HNB - OWB -	125.90	114.90	121.43	120.84	205.573	CC
EXIST HZ STATE NORTH PLATTE F-J-36HNB - OWB -	400.00	388.76	121.78	119.23	47.691	ES
EXIST HZ STATE NORTH PLATTE F-J-36HNB - OWB -	4,400.00	4,364.19	869.34	833.20	24.058	SF
EXIST HZ STATE NORTH PLATTE K21-O24-36HNB - O	428.02	419.00	18.41	15.90	7.339	CC
EXIST HZ STATE NORTH PLATTE K21-O24-36HNB - O	600.00	590.73	18.99	15.28	5.116	ES
EXIST HZ STATE NORTH PLATTE K21-O24-36HNB - O	1,100.00	1,090.77	33.07	25.41	4.320	SF
EXIST HZ STATE NORTH PLATTE K-35-36MRLNB - OW	6,637.92	12,249.39	262.53	123.25	1.885	CC
EXIST HZ STATE NORTH PLATTE K-35-36MRLNB - OW	6,700.00	12,267.71	272.25	103.90	1.617	ES
EXIST HZ STATE NORTH PLATTE K-35-36MRLNB - OW	6,750.00	12,280.97	293.13	107.82	1.582	SF
EXIST HZ STATE NORTH PLATTE K-O-36HC - OWB - F	3,185.66	3,232.76	48.24	7.24	1.177	Level 2, CC
EXIST HZ STATE NORTH PLATTE K-O-36HC - OWB - F	3,300.00	3,346.72	49.72	5.15	1.116	Level 2, ES, SF
EXIST HZ STATE NORTH PLATTE T34-P31-36HNC - O	6,597.41	10,915.00	912.33	813.17	9.201	CC
EXIST HZ STATE NORTH PLATTE T34-P31-36HNC - O	6,600.00	10,915.00	912.34	813.16	9.199	ES, SF
EXIST HZ STATE NORTH PLATTE T44-P41-36HNC - O	6,668.50	10,862.00	1,463.39	1,352.69	13.219	CC, ES
EXIST HZ STATE NORTH PLATTE T44-P41-36HNC - O	6,750.00	10,862.00	1,469.38	1,357.55	13.140	SF
EXIST HZ STATE NORTH PLATTE T-P-36HNB - OWB -	6,616.55	10,816.00	1,136.16	1,028.83	10.586	CC, ES
EXIST HZ STATE NORTH PLATTE T-P-36HNB - OWB -	6,650.00	10,816.00	1,137.34	1,029.65	10.562	SF
EXIST HZ STATE NORTH PLATTE Y44-U41-36HNC - O	6,725.45	10,918.00	2,047.82	1,933.73	17.949	CC
EXIST HZ STATE NORTH PLATTE Y44-U41-36HNC - O	6,750.00	10,918.00	2,048.27	1,933.73	17.882	ES
EXIST HZ STATE NORTH PLATTE Y44-U41-36HNC - O	6,900.00	10,918.00	2,070.04	1,953.04	17.692	SF
EXIST HZ STATE NORTH PLATTE Y-U-36HC - OWB - F	6,762.00	10,918.00	2,358.41	2,245.05	20.804	CC, ES
EXIST HZ STATE NORTH PLATTE Y-U-36HC - OWB - F	7,000.00	10,918.00	2,397.76	2,280.15	20.387	SF
SI VERT 70 RANCH USX BB 25-04 (GYRO) - OWB - GY	11,248.60	6,210.42	2,452.14	2,338.31	21.543	CC, ES
SI VERT 70 RANCH USX BB 25-04 (GYRO) - OWB - GY	11,400.00	6,209.73	2,456.80	2,342.48	21.490	SF
STATE NORTH PLATTE F-36 FED 25N-10-01 - OWB - P	400.00	400.00	120.86	118.18	44.956	CC, ES
STATE NORTH PLATTE F-36 FED 25N-10-01 - OWB - P	11,500.00	10,974.09	2,470.16	2,280.00	12.989	SF
STATE NORTH PLATTE F-36 FED 25N-10-02 - OWB - P	400.00	400.00	124.70	122.01	46.381	CC, ES

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

Civitas Resources

Anticollision Report

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Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Summary						
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SEC 36-T5N-R63W						
STATE NORTH PLATTE F-36 FED 25N-10-02 - OWB - P	11,400.00	10,999.56	1,858.68	1,668.35	9.766	SF
STATE NORTH PLATTE F-36 FED 25N-10-03 - OWB - P	400.00	400.00	131.51	128.82	48.914	CC, ES
STATE NORTH PLATTE F-36 FED 25N-10-03 - OWB - P	11,425.82	11,097.28	1,219.52	1,028.62	6.388	SF
STATE NORTH PLATTE F-36 FED 25N-10-04 - OWB - P	400.00	400.00	141.10	138.41	52.482	CC, ES
STATE NORTH PLATTE F-36 FED 25N-10-04 - OWB - P	11,435.19	11,265.65	581.55	389.83	3.033	SF
STATE NORTH PLATTE F-36 FED 25N-20-06 - OWB - P	421.28	421.32	19.87	17.04	7.016	CC
STATE NORTH PLATTE F-36 FED 25N-20-06 - OWB - P	500.00	500.00	20.09	16.70	5.930	ES
STATE NORTH PLATTE F-36 FED 25N-20-06 - OWB - P	16,800.00	17,000.81	732.24	350.48	1.918	SF
STATE NORTH PLATTE F-36 FED 25N-20-07 - OWB - P	356.66	356.74	39.47	37.10	16.651	CC
STATE NORTH PLATTE F-36 FED 25N-20-07 - OWB - P	400.00	400.00	39.57	36.89	14.764	ES
STATE NORTH PLATTE F-36 FED 25N-20-07 - OWB - P	16,900.00	17,348.07	1,423.69	1,038.37	3.695	SF
STATE NORTH PLATTE F-36 FED 25N-20-08 - OWB - P	282.75	282.88	59.46	57.61	32.229	CC
STATE NORTH PLATTE F-36 FED 25N-20-08 - OWB - P	300.00	300.08	59.47	57.50	30.209	ES
STATE NORTH PLATTE F-36 FED 25N-20-08 - OWB - P	17,000.00	17,677.76	2,015.87	1,626.97	5.184	SF

Offset Design													SEC 13-T5N-R63W - ABND VERT 70 RANCH - USX BB 13-7 (GYRO) - OWB - GYRO		Offset Site Error:		0.00 usft	
Survey Program: 100-GYRO-MWD													Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	6,287.02	6,285.35	84.00	21.87	97.20	14,149.41	2,589.71	10,028.43	9,956.98	71.46	140.344						
10,400.00	6,227.00	6,286.91	6,285.23	85.46	21.87	97.14	14,149.41	2,589.71	9,928.44	9,856.98	71.46	138.944						
10,500.00	6,227.00	6,286.79	6,285.11	86.94	21.87	97.09	14,149.41	2,589.71	9,828.45	9,756.99	71.46	137.542						
10,600.00	6,227.00	6,286.67	6,284.99	88.43	21.87	97.03	14,149.41	2,589.71	9,728.45	9,657.00	71.46	136.141						
10,700.00	6,227.00	6,286.55	6,284.88	89.93	21.86	96.97	14,149.41	2,589.71	9,628.46	9,557.00	71.46	134.740						
10,800.00	6,227.00	6,286.43	6,284.76	91.44	21.86	96.91	14,149.41	2,589.71	9,528.47	9,457.01	71.46	133.339						
10,900.00	6,227.00	6,286.31	6,284.64	92.96	21.86	96.85	14,149.41	2,589.71	9,428.48	9,357.01	71.46	131.937						
11,000.00	6,227.00	6,286.19	6,284.52	94.50	21.86	96.79	14,149.41	2,589.71	9,328.48	9,257.02	71.46	130.536						
11,100.00	6,227.00	6,286.07	6,284.40	96.04	21.86	96.73	14,149.41	2,589.71	9,228.49	9,157.03	71.46	129.135						
11,200.00	6,227.00	6,285.95	6,284.28	97.59	21.86	96.67	14,149.41	2,589.71	9,128.50	9,057.03	71.47	127.733						
11,300.00	6,227.00	6,285.83	6,284.16	99.15	21.86	96.61	14,149.41	2,589.71	9,028.51	8,957.04	71.47	126.332						
11,400.00	6,227.00	6,285.71	6,284.04	100.72	21.86	96.55	14,149.41	2,589.71	8,928.51	8,857.05	71.47	124.931						
11,500.00	6,227.00	6,285.59	6,283.91	102.30	21.86	96.49	14,149.41	2,589.72	8,828.52	8,757.05	71.47	123.529						
11,600.00	6,227.00	6,285.47	6,283.79	103.88	21.86	96.43	14,149.41	2,589.72	8,728.53	8,657.06	71.47	122.128						
11,700.00	6,227.00	6,285.35	6,283.67	105.47	21.86	96.37	14,149.41	2,589.72	8,628.54	8,557.07	71.47	120.727						
11,743.45	6,227.00	6,285.29	6,283.62	106.17	21.86	96.34	14,149.41	2,589.72	8,585.09	8,513.62	71.47	120.119						
11,808.25	6,227.00	6,285.22	6,283.54	107.20	21.86	92.34	14,149.41	2,589.72	8,520.31	8,448.86	71.46	119.233						
11,900.00	6,227.00	6,285.11	6,283.44	108.66	21.86	92.32	14,149.41	2,589.72	8,428.63	8,357.20	71.42	118.009						
12,000.00	6,227.00	6,285.00	6,283.32	110.26	21.86	92.30	14,149.41	2,589.72	8,328.69	8,257.31	71.38	116.675						
12,100.00	6,227.00	6,284.88	6,283.21	111.86	21.86	92.28	14,149.41	2,589.72	8,228.76	8,157.42	71.34	115.341						
12,200.00	6,227.00	6,284.77	6,283.09	113.47	21.86	92.26	14,149.41	2,589.72	8,128.83	8,057.53	71.30	114.007						
12,300.00	6,227.00	6,284.65	6,282.98	115.08	21.86	92.23	14,149.41	2,589.72	8,028.90	7,957.65	71.26	112.673						
12,400.00	6,227.00	6,284.54	6,282.86	116.70	21.86	92.21	14,149.41	2,589.72	7,928.98	7,857.76	71.21	111.340						
12,500.00	6,227.00	6,284.42	6,282.75	118.33	21.86	92.19	14,149.41	2,589.72	7,829.05	7,757.89	71.17	110.006						
12,600.00	6,227.00	6,284.30	6,282.63	119.96	21.86	92.17	14,149.41	2,589.72	7,729.13	7,658.01	71.12	108.673						
12,700.00	6,227.00	6,284.19	6,282.51	121.60	21.86	92.15	14,149.41	2,589.72	7,629.21	7,558.14	71.08	107.339						
12,800.00	6,227.00	6,284.07	6,282.40	123.24	21.86	92.13	14,149.41	2,589.72	7,529.29	7,458.27	71.03	106.006						
12,900.00	6,227.00	6,283.95	6,282.28	124.88	21.86	92.10	14,149.41	2,589.72	7,429.38	7,358.40	70.98	104.673						

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - ABND VERT 70 RANCH - USX BB 13-7 (GYRO) - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,000.00	6,227.00	6,283.84	6,282.16	126.53	21.86	92.08	14,149.42	2,589.72	7,329.47	7,258.54	70.93	103.340	
13,100.00	6,227.00	6,283.72	6,282.04	128.18	21.86	92.06	14,149.42	2,589.72	7,229.55	7,158.68	70.87	102.008	
13,200.00	6,227.00	6,283.60	6,281.92	129.84	21.85	92.04	14,149.42	2,589.72	7,129.65	7,058.83	70.82	100.675	
13,300.00	6,227.00	6,283.48	6,281.80	131.50	21.85	92.02	14,149.42	2,589.73	7,029.74	6,958.98	70.76	99.343	
13,400.00	6,227.00	6,283.36	6,281.68	133.16	21.85	91.99	14,149.42	2,589.73	6,929.84	6,859.13	70.70	98.011	
13,500.00	6,227.00	6,283.24	6,281.56	134.83	21.85	91.97	14,149.42	2,589.73	6,829.94	6,759.29	70.65	96.679	
13,600.00	6,227.00	6,283.12	6,281.44	136.50	21.85	91.95	14,149.42	2,589.73	6,730.04	6,659.46	70.58	95.348	
13,700.00	6,227.00	6,283.00	6,281.32	138.17	21.85	91.93	14,149.42	2,589.73	6,630.15	6,559.62	70.52	94.016	
13,800.00	6,227.00	6,282.88	6,281.20	139.85	21.85	91.90	14,149.42	2,589.73	6,530.25	6,459.80	70.46	92.685	
13,900.00	6,227.00	6,282.76	6,281.08	141.53	21.85	91.88	14,149.42	2,589.73	6,430.37	6,359.98	70.39	91.354	
14,000.00	6,227.00	6,282.63	6,280.96	143.21	21.85	91.86	14,149.42	2,589.73	6,330.48	6,260.16	70.32	90.024	
14,100.00	6,227.00	6,282.51	6,280.84	144.89	21.85	91.84	14,149.42	2,589.73	6,230.60	6,160.35	70.25	88.694	
14,200.00	6,227.00	6,282.39	6,280.71	146.58	21.85	91.81	14,149.42	2,589.73	6,130.73	6,060.55	70.17	87.363	
14,300.00	6,227.00	6,282.27	6,280.59	148.26	21.85	91.79	14,149.42	2,589.73	6,030.85	5,960.75	70.10	86.034	
14,400.00	6,227.00	6,282.14	6,280.47	149.96	21.85	91.77	14,149.42	2,589.73	5,930.99	5,860.97	70.02	84.704	
14,500.00	6,227.00	6,282.02	6,280.34	151.65	21.85	91.74	14,149.42	2,589.73	5,831.12	5,761.18	69.94	83.375	
14,600.00	6,227.00	6,281.89	6,280.22	153.34	21.85	91.72	14,149.42	2,589.73	5,731.26	5,661.41	69.85	82.046	
14,700.00	6,227.00	6,281.77	6,280.09	155.04	21.85	91.70	14,149.42	2,589.73	5,631.41	5,561.64	69.77	80.717	
14,800.00	6,227.00	6,281.64	6,279.97	156.74	21.85	91.67	14,149.42	2,589.73	5,531.56	5,461.88	69.68	79.388	
14,900.00	6,227.00	6,281.52	6,279.84	158.44	21.85	91.65	14,149.42	2,589.73	5,431.72	5,362.13	69.58	78.060	
15,000.00	6,227.00	6,281.39	6,279.72	160.14	21.85	91.63	14,149.42	2,589.74	5,331.88	5,262.39	69.49	76.731	
15,100.00	6,227.00	6,281.27	6,279.59	161.85	21.85	91.60	14,149.42	2,589.74	5,232.05	5,162.66	69.39	75.403	
15,200.00	6,227.00	6,281.14	6,279.46	163.56	21.85	91.58	14,149.42	2,589.74	5,132.23	5,062.94	69.28	74.075	
15,300.00	6,227.00	6,281.01	6,279.34	165.26	21.85	91.56	14,149.42	2,589.74	5,032.41	4,963.23	69.18	72.747	
15,400.00	6,227.00	6,280.88	6,279.21	166.97	21.85	91.53	14,149.42	2,589.74	4,932.60	4,863.53	69.07	71.419	
15,500.00	6,227.00	6,280.75	6,279.08	168.68	21.84	91.51	14,149.42	2,589.74	4,832.80	4,763.85	68.95	70.090	
15,600.00	6,227.00	6,280.63	6,278.95	170.40	21.84	91.48	14,149.42	2,589.74	4,733.00	4,664.17	68.83	68.762	
15,700.00	6,227.00	6,280.50	6,278.82	172.11	21.84	91.46	14,149.42	2,589.74	4,633.22	4,564.51	68.71	67.434	
15,800.00	6,227.00	6,280.37	6,278.69	173.83	21.84	91.44	14,149.42	2,589.74	4,533.44	4,464.86	68.58	66.105	
15,900.00	6,227.00	6,280.24	6,278.56	175.54	21.84	91.41	14,149.42	2,589.74	4,433.68	4,365.23	68.45	64.775	
16,000.00	6,227.00	6,280.11	6,278.43	177.26	21.84	91.39	14,149.42	2,589.74	4,333.92	4,265.61	68.31	63.446	
16,100.00	6,227.00	6,279.98	6,278.30	178.98	21.84	91.36	14,149.42	2,589.74	4,234.18	4,166.01	68.17	62.115	
16,200.00	6,227.00	6,279.84	6,278.17	180.70	21.84	91.34	14,149.42	2,589.74	4,134.45	4,066.43	68.02	60.784	
16,300.00	6,227.00	6,279.71	6,278.04	182.42	21.84	91.31	14,149.42	2,589.74	4,034.73	3,966.87	67.87	59.452	
16,400.00	6,227.00	6,279.58	6,277.90	184.15	21.84	91.29	14,149.42	2,589.74	3,935.03	3,867.32	67.71	58.118	
16,500.00	6,227.00	6,279.45	6,277.77	185.87	21.84	91.26	14,149.42	2,589.74	3,835.34	3,767.80	67.54	56.783	
16,600.00	6,227.00	6,279.31	6,277.64	187.60	21.84	91.24	14,149.42	2,589.74	3,735.67	3,668.30	67.37	55.447	
16,700.00	6,227.00	6,279.18	6,277.50	189.32	21.84	91.21	14,149.42	2,589.75	3,636.02	3,568.82	67.20	54.108	
16,800.00	6,227.00	6,279.05	6,277.37	191.05	21.84	91.19	14,149.42	2,589.75	3,536.39	3,469.37	67.02	52.767	
16,900.00	6,227.00	6,278.91	6,277.24	192.78	21.84	91.16	14,149.42	2,589.75	3,436.78	3,369.94	66.83	51.423	
17,000.00	6,227.00	6,278.78	6,277.10	194.51	21.84	91.14	14,149.42	2,589.75	3,337.19	3,270.54	66.64	50.075	
17,100.00	6,227.00	6,278.64	6,276.96	196.24	21.84	91.11	14,149.42	2,589.75	3,237.62	3,171.18	66.45	48.723	
17,200.00	6,227.00	6,278.50	6,276.83	197.97	21.84	91.09	14,149.42	2,589.75	3,138.09	3,071.84	66.25	47.367	
17,300.00	6,227.00	6,278.37	6,276.69	199.70	21.84	91.06	14,149.42	2,589.75	3,038.58	2,972.54	66.05	46.005	
17,400.00	6,227.00	6,278.23	6,276.55	201.44	21.84	91.04	14,149.42	2,589.75	2,939.11	2,873.27	65.85	44.636	
17,500.00	6,227.00	6,278.09	6,276.42	203.17	21.84	91.01	14,149.42	2,589.75	2,839.68	2,774.04	65.64	43.260	
17,600.00	6,227.00	6,277.95	6,276.28	204.90	21.83	90.99	14,149.42	2,589.75	2,740.29	2,674.85	65.44	41.874	
17,700.00	6,227.00	6,277.81	6,276.14	206.64	21.83	90.96	14,149.42	2,589.75	2,640.94	2,575.70	65.24	40.478	
17,800.00	6,227.00	6,277.68	6,276.00	208.38	21.83	90.93	14,149.42	2,589.75	2,541.65	2,476.59	65.06	39.068	
17,900.00	6,227.00	6,277.54	6,275.86	210.11	21.83	90.91	14,149.42	2,589.75	2,442.41	2,377.53	64.88	37.644	
18,000.00	6,227.00	6,277.40	6,275.72	211.85	21.83	90.88	14,149.42	2,589.75	2,343.23	2,278.51	64.73	36.202	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - ABND VERT 70 RANCH - USX BB 13-7 (GYRO) - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD												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
18,100.00	6,227.00	6,277.26	6,275.58	213.59	21.83	90.85	14,149.42	2,589.75	2,244.13	2,179.53	64.60	34.739	
18,200.00	6,227.00	6,277.11	6,275.44	215.33	21.83	90.83	14,149.42	2,589.75	2,145.12	2,080.60	64.51	33.250	
18,300.00	6,227.00	6,276.97	6,275.30	217.07	21.83	90.80	14,149.43	2,589.75	2,046.20	1,981.72	64.48	31.733	
18,400.00	6,227.00	6,276.83	6,275.15	218.81	21.83	90.78	14,149.43	2,589.76	1,947.39	1,882.87	64.52	30.182	
18,500.00	6,227.00	6,276.69	6,275.01	220.55	21.83	90.75	14,149.43	2,589.76	1,848.71	1,784.04	64.66	28.590	
18,600.00	6,227.00	6,276.54	6,274.87	222.29	21.83	90.72	14,149.43	2,589.76	1,750.17	1,685.24	64.93	26.953	
18,700.00	6,227.00	6,276.40	6,274.72	224.03	21.83	90.70	14,149.43	2,589.76	1,651.82	1,586.43	65.38	25.264	
18,800.00	6,227.00	6,276.26	6,274.58	225.78	21.83	90.67	14,149.43	2,589.76	1,553.67	1,487.61	66.06	23.518	
18,900.00	6,227.00	6,276.11	6,274.44	227.52	21.83	90.64	14,149.43	2,589.76	1,455.77	1,388.72	67.05	21.711	
19,000.00	6,227.00	6,275.97	6,274.29	229.26	21.83	90.61	14,149.43	2,589.76	1,358.19	1,289.73	68.45	19.841	
19,100.00	6,227.00	6,275.82	6,274.14	231.01	21.83	90.59	14,149.43	2,589.76	1,260.98	1,190.59	70.39	17.914	
19,200.00	6,227.00	6,275.67	6,274.00	232.75	21.83	90.56	14,149.43	2,589.76	1,164.24	1,091.21	73.04	15.941	
19,300.00	6,227.00	6,275.53	6,273.85	234.50	21.83	90.53	14,149.43	2,589.76	1,068.11	991.50	76.61	13.942	
19,400.00	6,227.00	6,275.38	6,273.70	236.25	21.83	90.50	14,149.43	2,589.76	972.75	891.35	81.40	11.950	
19,500.00	6,227.00	6,275.23	6,273.56	237.99	21.83	90.48	14,149.43	2,589.76	878.43	790.62	87.80	10.004	
19,600.00	6,227.00	6,275.08	6,273.41	239.74	21.82	90.45	14,149.43	2,589.76	785.51	689.18	96.33	8.154	
19,700.00	6,227.00	6,274.93	6,273.26	241.49	21.82	90.42	14,149.43	2,589.76	694.56	586.86	107.70	6.449	
19,800.00	6,227.00	6,274.78	6,273.11	243.24	21.82	90.39	14,149.43	2,589.76	606.47	483.58	122.89	4.935	
19,900.00	6,227.00	6,274.63	6,272.96	244.98	21.82	90.37	14,149.43	2,589.76	522.69	379.51	143.17	3.651	
20,000.00	6,227.00	6,274.48	6,272.81	246.73	21.82	90.34	14,149.43	2,589.77	445.64	275.71	169.93	2.622	
20,100.00	6,227.00	6,274.33	6,272.65	248.48	21.82	90.31	14,149.43	2,589.77	379.46	175.87	203.59	1.864	
20,200.00	6,227.00	6,274.18	6,272.50	250.23	21.82	90.28	14,149.43	2,589.77	330.72	90.33	240.40	1.376	Level 3
20,300.00	6,227.00	6,274.03	6,272.35	251.98	21.82	90.25	14,149.43	2,589.77	307.85	39.45	268.40	1.147	Level 2
20,323.04	6,227.00	6,273.99	6,272.31	252.39	21.82	90.25	14,149.43	2,589.77	306.98	35.05	271.93	1.129	Level 2, CC, ES, SF
20,400.00	6,227.00	6,273.87	6,272.20	253.73	21.82	90.22	14,149.43	2,589.77	316.48	42.54	273.94	1.155	Level 2
20,500.00	6,227.00	6,273.72	6,272.04	255.49	21.82	90.19	14,149.43	2,589.77	354.34	95.71	258.62	1.370	Level 3
20,600.00	6,227.00	6,273.56	6,271.89	257.24	21.82	90.17	14,149.43	2,589.77	413.45	178.25	235.21	1.758	
20,700.00	6,227.00	6,273.41	6,271.73	258.99	21.82	90.14	14,149.43	2,589.77	486.14	273.60	212.54	2.287	
20,800.00	6,227.00	6,273.25	6,271.58	260.74	21.82	90.11	14,149.43	2,589.77	567.21	373.73	193.48	2.932	
20,900.00	6,227.00	6,273.10	6,271.42	262.49	21.82	90.08	14,149.43	2,589.77	653.54	475.43	178.12	3.669	
21,000.00	6,227.00	6,272.94	6,271.27	264.25	21.82	90.05	14,149.43	2,589.77	743.31	577.48	165.83	4.482	
21,100.00	6,227.00	6,272.78	6,271.11	266.00	21.82	90.02	14,149.43	2,589.77	835.41	679.46	155.95	5.357	
21,200.00	6,227.00	6,272.63	6,270.95	267.75	21.82	89.99	14,149.43	2,589.77	929.14	781.24	147.90	6.282	
21,300.00	6,227.00	6,272.47	6,270.79	269.51	21.82	89.96	14,149.43	2,589.77	1,024.05	882.78	141.27	7.249	
21,400.00	6,227.00	6,272.31	6,270.63	271.26	21.82	89.93	14,149.43	2,589.77	1,119.86	984.11	135.74	8.250	
21,500.00	6,227.00	6,272.15	6,270.47	273.02	21.81	89.90	14,149.43	2,589.78	1,216.33	1,085.25	131.08	9.279	
21,600.00	6,227.00	6,271.99	6,270.31	274.77	21.81	89.87	14,149.43	2,589.78	1,313.34	1,186.23	127.11	10.333	
21,700.00	6,227.00	6,271.83	6,270.15	276.53	21.81	89.84	14,149.43	2,589.78	1,410.76	1,287.07	123.69	11.406	
21,800.00	6,227.00	6,271.66	6,269.99	278.28	21.81	89.81	14,149.43	2,589.78	1,508.52	1,387.80	120.72	12.496	
21,900.00	6,227.00	6,271.50	6,269.83	280.04	21.81	89.78	14,149.43	2,589.78	1,606.56	1,488.43	118.13	13.600	
22,000.00	6,227.00	6,271.34	6,269.66	281.80	21.81	89.75	14,149.43	2,589.78	1,704.82	1,588.97	115.85	14.716	
22,085.16	6,227.00	6,271.20	6,269.53	283.29	21.81	89.72	14,149.43	2,589.78	1,788.65	1,674.54	114.12	15.674	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - ABND VERT 70 RANCH USX BB 13-02 (GYRO) - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,700.00	6,227.00	6,392.22	6,391.16	105.47	22.17	140.21	15,553.45	2,587.01	10,032.83	9,960.85	71.98	139.375		
11,743.45	6,227.00	6,391.66	6,390.60	106.17	22.17	140.08	15,553.46	2,587.00	9,989.38	9,917.40	71.99	138.768		
11,808.25	6,227.00	6,390.82	6,389.77	107.20	22.17	109.51	15,553.47	2,587.00	9,924.61	9,852.63	71.98	137.887		
11,900.00	6,227.00	6,389.64	6,388.59	108.66	22.16	109.33	15,553.48	2,586.99	9,832.91	9,760.97	71.95	136.672		
12,000.00	6,227.00	6,388.36	6,387.30	110.26	22.16	109.12	15,553.49	2,586.99	9,732.97	9,661.06	71.91	135.348		
12,100.00	6,227.00	6,387.07	6,386.02	111.86	22.15	108.92	15,553.51	2,586.98	9,633.03	9,561.16	71.88	134.024		
12,200.00	6,227.00	6,385.80	6,384.75	113.47	22.15	108.71	15,553.52	2,586.98	9,533.10	9,461.26	71.84	132.699		
12,300.00	6,227.00	6,384.53	6,383.47	115.08	22.14	108.51	15,553.54	2,586.98	9,433.16	9,361.36	71.80	131.375		
12,400.00	6,227.00	6,383.26	6,382.21	116.70	22.14	108.31	15,553.55	2,586.97	9,333.22	9,261.46	71.77	130.050		
12,500.00	6,227.00	6,382.00	6,380.94	118.33	22.14	108.10	15,553.57	2,586.97	9,233.29	9,161.56	71.73	128.725		
12,600.00	6,227.00	6,380.74	6,379.68	119.96	22.13	107.90	15,553.58	2,586.96	9,133.36	9,061.67	71.69	127.400		
12,700.00	6,227.00	6,379.48	6,378.43	121.60	22.13	107.70	15,553.60	2,586.96	9,033.43	8,961.78	71.65	126.074		
12,800.00	6,227.00	6,378.23	6,377.18	123.24	22.12	107.49	15,553.61	2,586.96	8,933.50	8,861.89	71.61	124.749		
12,900.00	6,227.00	6,376.99	6,375.93	124.88	22.12	107.29	15,553.62	2,586.96	8,833.57	8,762.00	71.57	123.423		
13,000.00	6,227.00	6,375.74	6,374.69	126.53	22.11	107.09	15,553.64	2,586.95	8,733.64	8,662.11	71.53	122.098		
13,100.00	6,227.00	6,374.51	6,373.46	128.18	22.11	106.89	15,553.65	2,586.95	8,633.72	8,562.23	71.49	120.772		
13,200.00	6,227.00	6,373.27	6,372.22	129.84	22.11	106.69	15,553.67	2,586.95	8,533.79	8,462.35	71.44	119.446		
13,300.00	6,227.00	6,372.05	6,370.99	131.50	22.10	106.49	15,553.68	2,586.95	8,433.87	8,362.47	71.40	118.120		
13,400.00	6,227.00	6,370.82	6,369.77	133.16	22.10	106.28	15,553.69	2,586.95	8,333.95	8,262.60	71.36	116.794		
13,500.00	6,227.00	6,369.60	6,368.55	134.83	22.09	106.08	15,553.71	2,586.95	8,234.03	8,162.72	71.31	115.469		
13,600.00	6,227.00	6,368.38	6,367.33	136.50	22.09	105.88	15,553.72	2,586.94	8,134.12	8,062.85	71.26	114.143		
13,700.00	6,227.00	6,367.17	6,366.12	138.17	22.08	105.68	15,553.74	2,586.94	8,034.20	7,962.99	71.21	112.817		
13,800.00	6,227.00	6,365.96	6,364.91	139.85	22.08	105.48	15,553.75	2,586.94	7,934.29	7,863.12	71.17	111.491		
13,900.00	6,227.00	6,364.76	6,363.71	141.53	22.08	105.28	15,553.76	2,586.94	7,834.38	7,763.26	71.11	110.166		
14,000.00	6,227.00	6,363.56	6,362.51	143.21	22.07	105.08	15,553.78	2,586.94	7,734.47	7,663.41	71.06	108.840		
14,100.00	6,227.00	6,362.36	6,361.31	144.89	22.07	104.88	15,553.79	2,586.94	7,634.56	7,563.55	71.01	107.514		
14,200.00	6,227.00	6,361.17	6,360.12	146.58	22.06	104.68	15,553.80	2,586.95	7,534.66	7,463.70	70.96	106.189		
14,300.00	6,227.00	6,359.98	6,358.93	148.26	22.06	104.49	15,553.82	2,586.95	7,434.76	7,363.86	70.90	104.863		
14,400.00	6,227.00	6,358.80	6,357.75	149.96	22.05	104.29	15,553.83	2,586.95	7,334.86	7,264.01	70.84	103.538		
14,500.00	6,227.00	6,357.62	6,356.57	151.65	22.05	104.09	15,553.84	2,586.95	7,234.96	7,164.18	70.78	102.213		
14,600.00	6,227.00	6,356.44	6,355.39	153.34	22.05	103.89	15,553.86	2,586.95	7,135.07	7,064.34	70.72	100.888		
14,700.00	6,227.00	6,355.27	6,354.22	155.04	22.04	103.69	15,553.87	2,586.95	7,035.18	6,964.51	70.66	99.563		
14,800.00	6,227.00	6,354.10	6,353.05	156.74	22.04	103.50	15,553.88	2,586.95	6,935.29	6,864.69	70.60	98.238		
14,900.00	6,227.00	6,352.93	6,351.88	158.44	22.03	103.30	15,553.89	2,586.96	6,835.40	6,764.87	70.53	96.913		
15,000.00	6,227.00	6,351.77	6,350.72	160.14	22.03	103.10	15,553.91	2,586.96	6,735.52	6,665.06	70.46	95.588		
15,100.00	6,227.00	6,350.62	6,349.57	161.85	22.03	102.91	15,553.92	2,586.96	6,635.64	6,565.25	70.39	94.264		
15,200.00	6,227.00	6,349.46	6,348.41	163.56	22.02	102.71	15,553.93	2,586.96	6,535.77	6,465.44	70.32	92.939		
15,300.00	6,227.00	6,348.31	6,347.26	165.26	22.02	102.52	15,553.95	2,586.97	6,435.90	6,365.65	70.25	91.615		
15,400.00	6,227.00	6,347.17	6,346.12	166.97	22.01	102.32	15,553.96	2,586.97	6,336.03	6,265.85	70.17	90.291		
15,500.00	6,227.00	6,346.03	6,344.97	168.68	22.01	102.13	15,553.97	2,586.97	6,236.16	6,166.07	70.10	88.966		
15,600.00	6,227.00	6,344.89	6,343.84	170.40	22.01	101.93	15,553.98	2,586.98	6,136.31	6,066.29	70.02	87.642		
15,700.00	6,227.00	6,343.75	6,342.70	172.11	22.00	101.74	15,553.99	2,586.98	6,036.45	5,966.52	69.93	86.318		
15,800.00	6,227.00	6,342.62	6,341.57	173.83	22.00	101.54	15,554.01	2,586.99	5,936.60	5,866.75	69.85	84.994		
15,900.00	6,227.00	6,341.49	6,340.44	175.54	21.99	101.35	15,554.02	2,586.99	5,836.76	5,767.00	69.76	83.670		
16,000.00	6,227.00	6,340.37	6,339.32	177.26	21.99	101.16	15,554.03	2,587.00	5,736.92	5,667.25	69.67	82.346		
16,100.00	6,227.00	6,339.25	6,338.20	178.98	21.99	100.96	15,554.04	2,587.00	5,637.08	5,567.51	69.57	81.022		
16,200.00	6,227.00	6,338.13	6,337.08	180.70	21.98	100.77	15,554.06	2,587.01	5,537.25	5,467.78	69.48	79.698		
16,300.00	6,227.00	6,337.02	6,335.97	182.42	21.98	100.58	15,554.07	2,587.01	5,437.43	5,368.05	69.38	78.374		
16,400.00	6,227.00	6,335.91	6,334.86	184.15	21.98	100.39	15,554.08	2,587.02	5,337.61	5,268.34	69.28	77.049		
16,500.00	6,227.00	6,334.81	6,333.76	185.87	21.97	100.20	15,554.09	2,587.02	5,237.80	5,168.64	69.17	75.724		
16,600.00	6,227.00	6,333.71	6,332.66	187.60	21.97	100.01	15,554.10	2,587.03	5,138.00	5,068.94	69.06	74.399		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - ABND VERT 70 RANCH USX BB 13-02 (GYRO) - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD												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
16,700.00	6,227.00	6,332.61	6,331.56	189.32	21.96	99.82	15,554.12	2,587.03	5,038.21	4,969.26	68.95	73.074	
16,800.00	6,227.00	6,331.51	6,330.46	191.05	21.96	99.63	15,554.13	2,587.04	4,938.42	4,869.59	68.83	71.748	
16,900.00	6,227.00	6,330.42	6,329.37	192.78	21.96	99.44	15,554.14	2,587.05	4,838.64	4,769.93	68.71	70.421	
17,000.00	6,227.00	6,329.33	6,328.28	194.51	21.95	99.25	15,554.15	2,587.05	4,738.87	4,670.29	68.59	69.094	
17,100.00	6,227.00	6,328.25	6,327.20	196.24	21.95	99.06	15,554.16	2,587.06	4,639.12	4,570.66	68.46	67.765	
17,200.00	6,227.00	6,327.17	6,326.12	197.97	21.94	98.87	15,554.17	2,587.07	4,539.37	4,471.04	68.33	66.436	
17,300.00	6,227.00	6,326.09	6,325.04	199.70	21.94	98.68	15,554.19	2,587.07	4,439.63	4,371.44	68.19	65.106	
17,400.00	6,227.00	6,325.02	6,323.97	201.44	21.94	98.50	15,554.20	2,587.08	4,339.90	4,271.85	68.05	63.774	
17,500.00	6,227.00	6,323.95	6,322.90	203.17	21.93	98.31	15,554.21	2,587.09	4,240.19	4,172.28	67.91	62.440	
17,600.00	6,227.00	6,322.88	6,321.83	204.90	21.93	98.12	15,554.22	2,587.09	4,140.49	4,072.73	67.76	61.105	
17,700.00	6,227.00	6,321.81	6,320.77	206.64	21.93	97.94	15,554.23	2,587.10	4,040.81	3,973.20	67.61	59.768	
17,800.00	6,227.00	6,320.75	6,319.71	208.38	21.92	97.75	15,554.24	2,587.11	3,941.14	3,873.68	67.45	58.428	
17,900.00	6,227.00	6,319.70	6,318.65	210.11	21.92	97.56	15,554.25	2,587.12	3,841.48	3,774.19	67.29	57.085	
18,000.00	6,227.00	6,318.64	6,317.59	211.85	21.91	97.38	15,554.26	2,587.13	3,741.85	3,674.72	67.13	55.738	
18,100.00	6,227.00	6,317.59	6,316.54	213.59	21.91	97.19	15,554.28	2,587.13	3,642.23	3,575.27	66.97	54.388	
18,200.00	6,227.00	6,316.55	6,315.50	215.33	21.91	97.01	15,554.29	2,587.14	3,542.64	3,475.84	66.80	53.034	
18,300.00	6,227.00	6,315.50	6,314.45	217.07	21.90	96.83	15,554.30	2,587.15	3,443.07	3,376.44	66.63	51.674	
18,400.00	6,227.00	6,314.46	6,313.41	218.81	21.90	96.64	15,554.31	2,587.16	3,343.53	3,277.07	66.46	50.308	
18,500.00	6,227.00	6,313.42	6,312.38	220.55	21.90	96.46	15,554.32	2,587.17	3,244.01	3,177.72	66.29	48.936	
18,600.00	6,227.00	6,312.39	6,311.34	222.29	21.89	96.28	15,554.33	2,587.18	3,144.52	3,078.40	66.12	47.556	
18,700.00	6,227.00	6,320.36	6,319.31	224.03	21.92	97.68	15,554.22	2,587.09	3,045.05	2,979.09	65.97	46.161	
18,800.00	6,227.00	6,318.06	6,317.02	225.78	21.91	97.28	15,554.25	2,587.11	2,945.64	2,879.83	65.80	44.763	
18,900.00	6,227.00	6,315.89	6,314.84	227.52	21.91	96.89	15,554.28	2,587.13	2,846.27	2,780.61	65.65	43.353	
19,000.00	6,227.00	6,313.82	6,312.77	229.26	21.90	96.53	15,554.30	2,587.15	2,746.94	2,681.42	65.52	41.928	
19,100.00	6,227.00	6,311.85	6,310.80	231.01	21.89	96.18	15,554.33	2,587.17	2,647.66	2,582.26	65.40	40.486	
19,200.00	6,227.00	6,309.97	6,308.92	232.75	21.88	95.85	15,554.35	2,587.19	2,548.43	2,483.13	65.30	39.026	
19,300.00	6,227.00	6,308.18	6,307.13	234.50	21.88	95.53	15,554.37	2,587.21	2,449.27	2,384.03	65.24	37.543	
19,400.00	6,227.00	6,306.46	6,305.42	236.25	21.87	95.23	15,554.39	2,587.23	2,350.18	2,284.96	65.22	36.036	
19,500.00	6,227.00	6,304.83	6,303.78	237.99	21.87	94.94	15,554.41	2,587.25	2,251.17	2,185.92	65.25	34.500	
19,600.00	6,227.00	6,303.26	6,302.21	239.74	21.86	94.66	15,554.42	2,587.26	2,152.25	2,086.89	65.36	32.931	
19,700.00	6,227.00	6,301.76	6,300.71	241.49	21.86	94.40	15,554.44	2,587.28	2,053.43	1,987.88	65.55	31.325	
19,800.00	6,227.00	6,300.32	6,299.27	243.24	21.85	94.14	15,554.46	2,587.30	1,954.73	1,888.86	65.87	29.677	
19,900.00	6,227.00	6,298.94	6,297.89	244.98	21.85	93.90	15,554.47	2,587.31	1,856.17	1,789.84	66.33	27.983	
20,000.00	6,227.00	6,297.61	6,296.56	246.73	21.84	93.66	15,554.48	2,587.33	1,757.78	1,690.78	66.99	26.239	
20,100.00	6,227.00	6,296.33	6,295.29	248.48	21.84	93.43	15,554.50	2,587.34	1,659.57	1,591.67	67.90	24.442	
20,200.00	6,227.00	6,295.11	6,294.06	250.23	21.83	93.22	15,554.51	2,587.35	1,561.59	1,492.47	69.12	22.592	
20,300.00	6,227.00	6,293.92	6,292.88	251.98	21.83	93.01	15,554.52	2,587.37	1,463.88	1,393.14	70.75	20.692	
20,400.00	6,227.00	6,292.79	6,291.74	253.73	21.82	92.80	15,554.53	2,587.38	1,366.51	1,293.62	72.88	18.749	
20,500.00	6,227.00	6,291.69	6,290.64	255.49	21.82	92.61	15,554.54	2,587.39	1,269.54	1,193.86	75.68	16.776	
20,600.00	6,227.00	6,290.63	6,289.58	257.24	21.82	92.42	15,554.55	2,587.40	1,173.08	1,093.77	79.30	14.793	
20,700.00	6,227.00	6,289.61	6,288.56	258.99	21.81	92.24	15,554.56	2,587.42	1,077.26	993.27	83.99	12.826	
20,800.00	6,227.00	6,288.62	6,287.57	260.74	21.81	92.06	15,554.57	2,587.43	982.28	892.23	90.05	10.908	
20,900.00	6,227.00	6,287.67	6,286.62	262.49	21.81	91.89	15,554.58	2,587.44	888.40	790.52	97.87	9.077	
21,000.00	6,227.00	6,286.74	6,285.70	264.25	21.80	91.73	15,554.58	2,587.45	796.00	688.00	108.01	7.370	
21,100.00	6,227.00	6,285.85	6,284.81	266.00	21.80	91.57	15,554.59	2,587.46	705.69	584.51	121.18	5.824	
21,200.00	6,227.00	6,284.99	6,283.94	267.75	21.80	91.41	15,554.60	2,587.47	618.36	479.99	138.37	4.469	
21,300.00	6,227.00	6,284.15	6,283.10	269.51	21.79	91.27	15,554.60	2,587.48	535.48	374.65	160.83	3.330	
21,400.00	6,227.00	6,283.34	6,282.29	271.26	21.79	91.12	15,554.61	2,587.49	459.47	269.67	189.80	2.421	
21,500.00	6,227.00	6,282.55	6,281.51	273.02	21.79	90.98	15,554.62	2,587.50	394.31	168.93	225.39	1.750	
21,600.00	6,227.00	6,281.79	6,280.74	274.77	21.79	90.84	15,554.62	2,587.51	346.20	82.72	263.47	1.314 Level 3	
21,700.00	6,227.00	6,281.05	6,280.00	276.53	21.78	90.71	15,554.63	2,587.51	322.83	30.52	292.31	1.104 Level 2	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - ABND VERT 70 RANCH USX BB 13-02 (GYRO) - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,728.17	6,227.00	6,280.84	6,279.80	277.02	21.78	90.68	15,554.63	2,587.52	321.60	24.91	296.69	1.084	Level 2, CC, ES, SF
21,800.00	6,227.00	6,280.33	6,279.28	278.28	21.78	90.58	15,554.63	2,587.52	329.52	30.86	298.66	1.103	Level 2
21,900.00	6,227.00	6,279.63	6,278.59	280.04	21.78	90.46	15,554.64	2,587.53	364.63	81.33	283.30	1.287	Level 3
22,000.00	6,227.00	6,278.95	6,277.91	281.80	21.78	90.34	15,554.64	2,587.54	421.09	162.63	258.46	1.629	
22,085.16	6,227.00	6,278.39	6,277.34	283.29	21.77	90.24	15,554.65	2,587.55	480.48	243.37	237.11	2.026	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - ABND VERT NORTH PLATTE 33-13 (GYRO) - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	6,227.00	6,000.00	5,999.22	66.74	20.81	30.27	12,793.16	2,618.03	9,976.72	9,906.42	70.30	141.911		
9,100.00	6,227.00	6,000.00	5,999.22	67.92	20.81	30.27	12,793.16	2,618.03	9,876.77	9,806.48	70.30	140.503		
9,200.00	6,227.00	6,000.00	5,999.22	69.13	20.81	30.27	12,793.16	2,618.03	9,776.82	9,706.53	70.29	139.095		
9,300.00	6,227.00	6,000.00	5,999.22	70.37	20.81	30.27	12,793.16	2,618.03	9,676.87	9,606.59	70.28	137.687		
9,400.00	6,227.00	6,000.00	5,999.22	71.63	20.81	30.27	12,793.16	2,618.03	9,576.92	9,506.65	70.27	136.278		
9,500.00	6,227.00	6,000.00	5,999.22	72.92	20.81	30.27	12,793.16	2,618.03	9,476.98	9,406.71	70.27	134.869		
9,600.00	6,227.00	6,000.00	5,999.22	74.23	20.81	30.27	12,793.16	2,618.03	9,377.03	9,306.77	70.26	133.459		
9,700.00	6,227.00	6,000.00	5,999.22	75.57	20.81	30.27	12,793.16	2,618.03	9,277.09	9,206.83	70.25	132.049		
9,800.00	6,227.00	6,000.00	5,999.22	76.93	20.81	30.27	12,793.16	2,618.03	9,177.14	9,106.90	70.25	130.639		
9,900.00	6,227.00	6,000.00	5,999.22	78.31	20.81	30.27	12,793.16	2,618.03	9,077.20	9,006.96	70.24	129.229		
10,000.00	6,227.00	6,000.00	5,999.22	79.71	20.81	30.27	12,793.16	2,618.03	8,977.26	8,907.03	70.23	127.819		
10,100.00	6,227.00	6,000.00	5,999.22	81.12	20.81	30.27	12,793.16	2,618.03	8,877.32	8,807.09	70.23	126.408		
10,200.00	6,227.00	6,000.00	5,999.22	82.55	20.81	30.27	12,793.16	2,618.03	8,777.38	8,707.16	70.22	124.997		
10,300.00	6,227.00	6,000.00	5,999.22	84.00	20.81	30.27	12,793.16	2,618.03	8,677.45	8,607.23	70.21	123.587		
10,400.00	6,227.00	6,000.00	5,999.22	85.46	20.81	30.27	12,793.16	2,618.03	8,577.51	8,507.30	70.21	122.176		
10,500.00	6,227.00	6,000.00	5,999.22	86.94	20.81	30.27	12,793.16	2,618.03	8,477.58	8,407.38	70.20	120.764		
10,600.00	6,227.00	6,000.00	5,999.22	88.43	20.81	30.27	12,793.16	2,618.03	8,377.64	8,307.45	70.19	119.353		
10,700.00	6,227.00	6,000.00	5,999.22	89.93	20.81	30.27	12,793.16	2,618.03	8,277.71	8,207.53	70.18	117.942		
10,800.00	6,227.00	6,000.00	5,999.22	91.44	20.81	30.27	12,793.16	2,618.03	8,177.78	8,107.61	70.18	116.531		
10,900.00	6,227.00	6,000.00	5,999.22	92.96	20.81	30.27	12,793.16	2,618.03	8,077.86	8,007.69	70.17	115.120		
11,000.00	6,227.00	6,000.00	5,999.22	94.50	20.81	30.27	12,793.16	2,618.03	7,977.93	7,907.77	70.16	113.709		
11,100.00	6,227.00	6,000.00	5,999.22	96.04	20.81	30.27	12,793.16	2,618.03	7,878.01	7,807.85	70.15	112.297		
11,200.00	6,227.00	6,000.00	5,999.22	97.59	20.81	30.27	12,793.16	2,618.03	7,778.09	7,707.94	70.14	110.886		
11,300.00	6,227.00	6,000.00	5,999.22	99.15	20.81	30.27	12,793.16	2,618.03	7,678.17	7,608.03	70.14	109.475		
11,400.00	6,227.00	6,000.00	5,999.22	100.72	20.81	30.27	12,793.16	2,618.03	7,578.25	7,508.12	70.13	108.065		
11,500.00	6,227.00	6,000.00	5,999.22	102.30	20.81	30.27	12,793.16	2,618.03	7,478.33	7,408.22	70.12	106.654		
11,600.00	6,227.00	6,000.00	5,999.22	103.88	20.81	30.27	12,793.16	2,618.03	7,378.42	7,308.31	70.11	105.243		
11,700.00	6,227.00	6,000.00	5,999.22	105.47	20.81	30.27	12,793.16	2,618.03	7,278.51	7,208.41	70.10	103.833		
11,743.45	6,227.00	6,000.00	5,999.22	106.17	20.81	30.27	12,793.16	2,618.03	7,235.10	7,165.00	70.09	103.220		
11,808.25	6,227.00	6,000.00	5,999.22	107.20	20.81	49.99	12,793.16	2,618.03	7,170.38	7,100.31	70.07	102.326		
11,900.00	6,227.00	6,000.00	5,999.22	108.66	20.81	49.99	12,793.16	2,618.03	7,078.79	7,008.76	70.03	101.089		
12,000.00	6,227.00	6,000.00	5,999.22	110.26	20.81	49.99	12,793.16	2,618.03	6,978.96	6,908.99	69.97	99.740		
12,100.00	6,227.00	6,000.00	5,999.22	111.86	20.81	49.99	12,793.16	2,618.03	6,879.15	6,809.23	69.92	98.392		
12,200.00	6,227.00	6,000.00	5,999.22	113.47	20.81	49.99	12,793.16	2,618.03	6,779.33	6,709.47	69.86	97.043		
12,300.00	6,227.00	6,000.00	5,999.22	115.08	20.81	49.99	12,793.16	2,618.03	6,679.52	6,609.72	69.80	95.694		
12,400.00	6,227.00	6,000.00	5,999.22	116.70	20.81	49.99	12,793.16	2,618.03	6,579.72	6,509.98	69.74	94.346		
12,500.00	6,227.00	6,000.00	5,999.22	118.33	20.81	49.99	12,793.16	2,618.03	6,479.92	6,410.25	69.68	92.997		
12,600.00	6,227.00	6,000.00	5,999.22	119.96	20.81	49.99	12,793.16	2,618.03	6,380.13	6,310.52	69.62	91.648		
12,700.00	6,227.00	6,000.00	5,999.22	121.60	20.81	49.99	12,793.16	2,618.03	6,280.35	6,210.80	69.55	90.300		
12,800.00	6,227.00	6,000.00	5,999.22	123.24	20.81	49.99	12,793.16	2,618.03	6,180.57	6,111.09	69.48	88.951		
12,900.00	6,227.00	6,000.00	5,999.22	124.88	20.81	49.99	12,793.16	2,618.03	6,080.81	6,011.39	69.41	87.602		
13,000.00	6,227.00	6,000.00	5,999.22	126.53	20.81	49.99	12,793.16	2,618.03	5,981.04	5,911.70	69.34	86.253		
13,100.00	6,227.00	6,000.00	5,999.22	128.18	20.81	49.99	12,793.16	2,618.03	5,881.29	5,812.02	69.27	84.905		
13,200.00	6,227.00	6,000.00	5,999.22	129.84	20.81	49.99	12,793.16	2,618.03	5,781.55	5,712.35	69.19	83.556		
13,300.00	6,227.00	6,000.00	5,999.22	131.50	20.81	49.99	12,793.16	2,618.03	5,681.81	5,612.70	69.12	82.207		
13,400.00	6,227.00	6,000.00	5,999.22	133.16	20.81	49.99	12,793.16	2,618.03	5,582.09	5,513.05	69.04	80.858		
13,500.00	6,227.00	6,000.00	5,999.22	134.83	20.81	49.99	12,793.16	2,618.03	5,482.37	5,413.42	68.95	79.509		
13,600.00	6,227.00	6,000.00	5,999.22	136.50	20.81	49.99	12,793.16	2,618.03	5,382.66	5,313.80	68.87	78.160		
13,700.00	6,227.00	6,000.00	5,999.22	138.17	20.81	49.99	12,793.16	2,618.03	5,282.97	5,214.19	68.78	76.810		
13,800.00	6,227.00	6,000.00	5,999.22	139.85	20.81	49.99	12,793.16	2,618.03	5,183.29	5,114.60	68.69	75.461		
13,900.00	6,227.00	6,000.00	5,999.22	141.53	20.81	49.99	12,793.16	2,618.03	5,083.62	5,015.02	68.59	74.111		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - ABND VERT NORTH PLATTE 33-13 (GYRO) - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	6,227.00	6,000.00	5,999.22	143.21	20.81	49.99	12,793.16	2,618.03	4,983.96	4,915.46	68.50	72.760		
14,100.00	6,227.00	6,000.00	5,999.22	144.89	20.81	49.99	12,793.16	2,618.03	4,884.32	4,815.92	68.40	71.410		
14,200.00	6,227.00	6,000.00	5,999.22	146.58	20.81	49.99	12,793.16	2,618.03	4,784.69	4,716.39	68.30	70.059		
14,300.00	6,227.00	6,000.00	5,999.22	148.26	20.81	49.99	12,793.16	2,618.03	4,685.07	4,616.89	68.19	68.707		
14,400.00	6,227.00	6,000.00	5,999.22	149.96	20.81	49.99	12,793.16	2,618.03	4,585.48	4,517.40	68.08	67.354		
14,500.00	6,227.00	6,000.00	5,999.22	151.65	20.81	49.99	12,793.16	2,618.03	4,485.90	4,417.93	67.97	66.001		
14,600.00	6,227.00	6,000.00	5,999.22	153.34	20.81	49.99	12,793.16	2,618.03	4,386.34	4,318.49	67.85	64.647		
14,700.00	6,227.00	6,000.00	5,999.22	155.04	20.81	49.99	12,793.16	2,618.03	4,286.81	4,219.08	67.73	63.292		
14,800.00	6,227.00	6,000.00	5,999.22	156.74	20.81	49.99	12,793.16	2,618.03	4,187.29	4,119.68	67.61	61.936		
14,900.00	6,227.00	6,000.00	5,999.22	158.44	20.81	49.99	12,793.16	2,618.03	4,087.80	4,020.32	67.48	60.578		
15,000.00	6,227.00	6,000.00	5,999.22	160.14	20.81	49.99	12,793.16	2,618.03	3,988.33	3,920.98	67.35	59.218		
15,100.00	6,227.00	6,000.00	5,999.22	161.85	20.81	49.99	12,793.16	2,618.03	3,888.89	3,821.68	67.22	57.857		
15,200.00	6,227.00	6,000.00	5,999.22	163.56	20.81	49.99	12,793.16	2,618.03	3,789.48	3,722.40	67.08	56.493		
15,300.00	6,227.00	6,000.00	5,999.22	165.26	20.81	49.99	12,793.16	2,618.03	3,690.10	3,623.17	66.94	55.127		
15,400.00	6,227.00	6,000.00	5,999.22	166.97	20.81	49.99	12,793.16	2,618.03	3,590.76	3,523.97	66.80	53.758		
15,500.00	6,227.00	6,000.00	5,999.22	168.68	20.81	49.99	12,793.16	2,618.03	3,491.46	3,424.81	66.65	52.385		
15,600.00	6,227.00	6,000.00	5,999.22	170.40	20.81	49.99	12,793.16	2,618.03	3,392.19	3,325.69	66.50	51.009		
15,700.00	6,227.00	6,000.00	5,999.22	172.11	20.81	49.99	12,793.16	2,618.03	3,292.97	3,226.62	66.35	49.628		
15,800.00	6,227.00	6,000.00	5,999.22	173.83	20.81	49.99	12,793.16	2,618.03	3,193.80	3,127.59	66.20	48.242		
15,900.00	6,227.00	6,000.00	5,999.22	175.54	20.81	49.99	12,793.16	2,618.03	3,094.68	3,028.62	66.06	46.850		
16,000.00	6,227.00	6,000.00	5,999.22	177.26	20.81	49.99	12,793.16	2,618.03	2,995.62	2,929.71	65.91	45.451		
16,100.00	6,227.00	6,000.00	5,999.22	178.98	20.81	49.99	12,793.16	2,618.03	2,896.62	2,830.86	65.77	44.043		
16,200.00	6,227.00	6,000.00	5,999.22	180.70	20.81	49.99	12,793.16	2,618.03	2,797.70	2,732.07	65.63	42.627		
16,300.00	6,227.00	6,000.00	5,999.22	182.42	20.81	49.99	12,793.16	2,618.03	2,698.85	2,633.35	65.51	41.200		
16,400.00	6,227.00	6,000.00	5,999.22	184.15	20.81	49.99	12,793.16	2,618.03	2,600.10	2,534.70	65.39	39.760		
16,500.00	6,227.00	6,000.00	5,999.22	185.87	20.81	49.99	12,793.16	2,618.03	2,501.44	2,436.14	65.30	38.306		
16,600.00	6,227.00	6,000.00	5,999.22	187.60	20.81	49.99	12,793.16	2,618.03	2,402.89	2,337.66	65.23	36.836		
16,700.00	6,227.00	6,000.00	5,999.22	189.32	20.81	49.99	12,793.16	2,618.03	2,304.47	2,239.28	65.20	35.346		
16,800.00	6,227.00	6,000.00	5,999.22	191.05	20.81	49.99	12,793.16	2,618.03	2,206.19	2,140.99	65.21	33.834		
16,900.00	6,227.00	6,000.00	5,999.22	192.78	20.81	49.99	12,793.16	2,618.03	2,108.08	2,042.80	65.27	32.297		
17,000.00	6,227.00	6,000.00	5,999.22	194.51	20.81	49.99	12,793.16	2,618.03	2,010.14	1,944.73	65.41	30.730		
17,100.00	6,227.00	6,000.00	5,999.22	196.24	20.81	49.99	12,793.16	2,618.03	1,912.43	1,846.78	65.65	29.130		
17,200.00	6,227.00	6,000.00	5,999.22	197.97	20.81	49.99	12,793.16	2,618.03	1,814.96	1,748.94	66.01	27.494		
17,300.00	6,227.00	6,000.00	5,999.22	199.70	20.81	49.99	12,793.16	2,618.03	1,717.78	1,651.24	66.54	25.817		
17,400.00	6,227.00	6,000.00	5,999.22	201.44	20.81	49.99	12,793.16	2,618.03	1,620.94	1,553.67	67.27	24.096		
17,500.00	6,227.00	6,000.00	5,999.22	203.17	20.81	49.99	12,793.16	2,618.03	1,524.52	1,456.24	68.27	22.329		
17,600.00	6,227.00	6,000.00	5,999.22	204.90	20.81	49.99	12,793.16	2,618.03	1,428.58	1,358.96	69.62	20.519		
17,700.00	6,227.00	6,000.00	5,999.22	206.64	20.81	49.99	12,793.16	2,618.03	1,333.25	1,261.83	71.42	18.669		
17,800.00	6,227.00	6,000.00	5,999.22	208.38	20.81	49.99	12,793.16	2,618.03	1,238.64	1,164.86	73.78	16.788		
17,900.00	6,227.00	6,000.00	5,999.22	210.11	20.81	49.99	12,793.16	2,618.03	1,144.96	1,068.09	76.87	14.894		
18,000.00	6,227.00	6,000.00	5,999.22	211.85	20.81	49.99	12,793.16	2,618.03	1,052.44	971.54	80.89	13.010		
18,100.00	6,227.00	6,000.00	5,999.22	213.59	20.81	49.99	12,793.16	2,618.03	961.42	875.32	86.10	11.166		
18,200.00	6,227.00	6,000.00	5,999.22	215.33	20.81	49.99	12,793.16	2,618.03	872.36	779.56	92.80	9.400		
18,300.00	6,227.00	6,000.00	5,999.22	217.07	20.81	49.99	12,793.16	2,618.03	785.95	684.56	101.39	7.752		
18,400.00	6,227.00	6,000.00	5,999.22	218.81	20.81	49.99	12,793.16	2,618.03	703.14	590.83	112.31	6.260		
18,500.00	6,227.00	6,000.00	5,999.22	220.55	20.81	49.99	12,793.16	2,618.03	625.38	499.35	126.03	4.962		
18,600.00	6,227.00	6,000.00	5,999.22	222.29	20.81	49.99	12,793.16	2,618.03	554.79	411.97	142.82	3.885		
18,700.00	6,227.00	6,000.00	5,999.22	224.03	20.81	49.99	12,793.16	2,618.03	494.46	332.14	162.32	3.046		
18,800.00	6,227.00	6,000.00	5,999.22	225.78	20.81	49.99	12,793.16	2,618.03	448.54	265.81	182.72	2.455		
18,900.00	6,227.00	6,000.00	5,999.22	227.52	20.81	49.99	12,793.16	2,618.03	421.76	221.56	200.20	2.107		
18,966.53	6,227.00	6,000.00	5,999.22	228.68	20.81	49.99	12,793.16	2,618.03	416.48	208.64	207.83	2.004 CC		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - ABND VERT NORTH PLATTE 33-13 (GYRO) - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,000.00	6,227.00	6,000.00	5,999.22	229.26	20.81	49.99	12,793.16	2,618.03	417.82	207.74	210.08	1.989 ES, SF	
19,100.00	6,227.00	6,000.00	5,999.22	231.01	20.81	49.99	12,793.16	2,618.03	437.34	227.05	210.29	2.080	
19,200.00	6,227.00	6,000.00	5,999.22	232.75	20.81	49.99	12,793.16	2,618.03	477.45	274.55	202.91	2.353	
19,300.00	6,227.00	6,000.00	5,999.22	234.50	20.81	49.99	12,793.16	2,618.03	533.53	341.73	191.81	2.782	
19,400.00	6,227.00	6,000.00	5,999.22	236.25	20.81	49.99	12,793.16	2,618.03	601.13	421.14	179.99	3.340	
19,500.00	6,227.00	6,000.00	5,999.22	237.99	20.81	49.99	12,793.16	2,618.03	676.79	507.82	168.97	4.005	
19,600.00	6,227.00	6,000.00	5,999.22	239.74	20.81	49.99	12,793.16	2,618.03	758.12	598.83	159.29	4.759	
19,700.00	6,227.00	6,000.00	5,999.22	241.49	20.81	49.99	12,793.16	2,618.03	843.47	692.49	150.98	5.587	
19,800.00	6,227.00	6,000.00	5,999.22	243.24	20.81	49.99	12,793.16	2,618.03	931.74	787.82	143.92	6.474	
19,900.00	6,227.00	6,000.00	5,999.22	244.98	20.81	49.99	12,793.16	2,618.03	1,022.17	884.26	137.91	7.412	
20,000.00	6,227.00	6,000.00	5,999.22	246.73	20.81	49.99	12,793.16	2,618.03	1,114.24	981.45	132.79	8.391	
20,100.00	6,227.00	6,000.00	5,999.22	248.48	20.81	49.99	12,793.16	2,618.03	1,207.57	1,079.17	128.39	9.405	
20,200.00	6,227.00	6,000.00	5,999.22	250.23	20.81	49.99	12,793.16	2,618.03	1,301.89	1,177.29	124.60	10.448	
20,300.00	6,227.00	6,000.00	5,999.22	251.98	20.81	49.99	12,793.16	2,618.03	1,397.00	1,275.69	121.31	11.516	
20,400.00	6,227.00	6,000.00	5,999.22	253.73	20.81	49.99	12,793.16	2,618.03	1,492.75	1,374.32	118.43	12.604	
20,500.00	6,227.00	6,000.00	5,999.22	255.49	20.81	49.99	12,793.16	2,618.03	1,589.02	1,473.12	115.90	13.710	
20,600.00	6,227.00	6,000.00	5,999.22	257.24	20.81	49.99	12,793.16	2,618.03	1,685.73	1,572.07	113.66	14.831	
20,700.00	6,227.00	6,000.00	5,999.22	258.99	20.81	49.99	12,793.16	2,618.03	1,782.80	1,671.12	111.68	15.964	
20,800.00	6,227.00	6,000.00	5,999.22	260.74	20.81	49.99	12,793.16	2,618.03	1,880.18	1,770.28	109.90	17.108	
20,900.00	6,227.00	6,000.00	5,999.22	262.49	20.81	49.99	12,793.16	2,618.03	1,977.82	1,869.51	108.31	18.261	
21,000.00	6,227.00	6,000.00	5,999.22	264.25	20.81	49.99	12,793.16	2,618.03	2,075.68	1,968.81	106.88	19.421	
21,100.00	6,227.00	6,000.00	5,999.22	266.00	20.81	49.99	12,793.16	2,618.03	2,173.74	2,068.16	105.58	20.588	
21,200.00	6,227.00	6,000.00	5,999.22	267.75	20.81	49.99	12,793.16	2,618.03	2,271.97	2,167.57	104.40	21.761	
21,300.00	6,227.00	6,000.00	5,999.22	269.51	20.81	49.99	12,793.16	2,618.03	2,370.35	2,267.01	103.33	22.939	
21,400.00	6,227.00	6,000.00	5,999.22	271.26	20.81	49.99	12,793.16	2,618.03	2,468.86	2,366.50	102.36	24.120	
21,500.00	6,227.00	6,000.00	5,999.22	273.02	20.81	49.99	12,793.16	2,618.03	2,567.48	2,466.02	101.46	25.305	
21,600.00	6,227.00	6,000.00	5,999.22	274.77	20.81	49.99	12,793.16	2,618.03	2,666.20	2,565.56	100.64	26.493	
21,700.00	6,227.00	6,000.00	5,999.22	276.53	20.81	49.99	12,793.16	2,618.03	2,765.02	2,665.14	99.88	27.683	
21,800.00	6,227.00	6,000.00	5,999.22	278.28	20.81	49.99	12,793.16	2,618.03	2,863.92	2,764.73	99.18	28.875	
21,900.00	6,227.00	6,000.00	5,999.22	280.04	20.81	49.99	12,793.16	2,618.03	2,962.89	2,864.35	98.54	30.069	
22,000.00	6,227.00	6,000.00	5,999.22	281.80	20.81	49.99	12,793.16	2,618.03	3,061.93	2,963.99	97.94	31.263	
22,085.16	6,227.00	6,000.00	5,999.22	283.29	20.81	49.99	12,793.16	2,618.03	3,146.32	3,048.85	97.47	32.281	

Civitas Resources
Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - EXIST HZ NORTH PLATTE 34-13 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 495-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	6,565.07	6,313.68	53.71	34.83	-156.10	11,314.97	2,430.23	9,991.88	9,917.95	73.93	135.161	
7,600.00	6,227.00	6,564.81	6,313.42	54.28	34.83	-155.94	11,314.97	2,430.23	9,891.88	9,817.95	73.93	133.794	
7,700.00	6,227.00	6,564.55	6,313.16	54.89	34.82	-155.78	11,314.97	2,430.22	9,791.88	9,717.94	73.94	132.427	
7,800.00	6,227.00	6,564.29	6,312.91	55.55	34.82	-155.62	11,314.97	2,430.22	9,691.88	9,617.93	73.95	131.059	
7,900.00	6,227.00	6,564.03	6,312.65	56.25	34.82	-155.46	11,314.97	2,430.22	9,591.88	9,517.92	73.96	129.691	
8,000.00	6,227.00	6,563.77	6,312.38	56.99	34.82	-155.29	11,314.97	2,430.22	9,491.88	9,417.91	73.97	128.322	
8,100.00	6,227.00	6,563.51	6,312.12	57.78	34.82	-155.12	11,314.97	2,430.22	9,391.88	9,317.91	73.98	126.953	
8,200.00	6,227.00	6,563.24	6,311.86	58.62	34.82	-154.95	11,314.97	2,430.21	9,291.89	9,217.90	73.99	125.583	
8,300.00	6,227.00	6,562.98	6,311.59	59.49	34.82	-154.77	11,314.98	2,430.21	9,191.89	9,117.89	74.00	124.213	
8,400.00	6,227.00	6,562.71	6,311.32	60.41	34.82	-154.59	11,314.98	2,430.21	9,091.89	9,017.87	74.01	122.842	
8,500.00	6,227.00	6,562.44	6,311.05	61.37	34.82	-154.40	11,314.98	2,430.21	8,991.89	8,917.86	74.02	121.472	
8,600.00	6,227.00	6,562.17	6,310.78	62.37	34.82	-154.22	11,314.98	2,430.20	8,891.89	8,817.85	74.04	120.101	
8,700.00	6,227.00	6,561.90	6,310.51	63.41	34.82	-154.03	11,314.98	2,430.20	8,791.89	8,717.84	74.05	118.729	
8,800.00	6,227.00	6,561.62	6,310.24	64.49	34.82	-153.83	11,314.98	2,430.20	8,691.89	8,617.83	74.06	117.357	
8,900.00	6,227.00	6,561.35	6,309.96	65.60	34.82	-153.63	11,314.98	2,430.20	8,591.89	8,517.81	74.08	115.985	
9,000.00	6,227.00	6,561.07	6,309.68	66.74	34.82	-153.43	11,314.98	2,430.19	8,491.89	8,417.80	74.09	114.613	
9,100.00	6,227.00	6,560.79	6,309.40	67.92	34.82	-153.22	11,314.98	2,430.19	8,391.89	8,317.79	74.11	113.241	
9,200.00	6,227.00	6,560.51	6,309.12	69.13	34.82	-153.01	11,314.99	2,430.19	8,291.89	8,217.77	74.12	111.868	
9,300.00	6,227.00	6,560.23	6,308.84	70.37	34.82	-152.80	11,314.99	2,430.19	8,191.89	8,117.76	74.14	110.495	
9,400.00	6,227.00	6,559.94	6,308.56	71.63	34.81	-152.58	11,314.99	2,430.18	8,091.90	8,017.74	74.15	109.122	
9,500.00	6,227.00	6,559.66	6,308.27	72.92	34.81	-152.35	11,314.99	2,430.18	7,991.90	7,917.73	74.17	107.749	
9,600.00	6,227.00	6,559.37	6,307.98	74.23	34.81	-152.12	11,314.99	2,430.18	7,891.90	7,817.71	74.19	106.376	
9,700.00	6,227.00	6,559.08	6,307.69	75.57	34.81	-151.89	11,314.99	2,430.18	7,791.90	7,717.69	74.21	105.003	
9,800.00	6,227.00	6,558.79	6,307.40	76.93	34.81	-151.65	11,314.99	2,430.17	7,691.90	7,617.67	74.22	103.630	
9,900.00	6,227.00	6,558.50	6,307.11	78.31	34.81	-151.41	11,314.99	2,430.17	7,591.90	7,517.66	74.24	102.256	
10,000.00	6,227.00	6,558.20	6,306.82	79.71	34.81	-151.16	11,314.99	2,430.17	7,491.90	7,417.64	74.26	100.883	
10,100.00	6,227.00	6,557.91	6,306.52	81.12	34.81	-150.90	11,315.00	2,430.17	7,391.90	7,317.62	74.28	99.510	
10,200.00	6,227.00	6,557.61	6,306.22	82.55	34.81	-150.64	11,315.00	2,430.16	7,291.90	7,217.60	74.30	98.137	
10,300.00	6,227.00	6,557.31	6,305.92	84.00	34.81	-150.37	11,315.00	2,430.16	7,191.90	7,117.58	74.32	96.764	
10,400.00	6,227.00	6,557.01	6,305.62	85.46	34.81	-150.10	11,315.00	2,430.16	7,091.91	7,017.56	74.35	95.391	
10,500.00	6,227.00	6,556.70	6,305.32	86.94	34.81	-149.82	11,315.00	2,430.16	6,991.91	6,917.54	74.37	94.018	
10,600.00	6,227.00	6,556.40	6,305.01	88.43	34.81	-149.54	11,315.00	2,430.15	6,891.91	6,817.52	74.39	92.645	
10,700.00	6,227.00	6,556.09	6,304.70	89.93	34.81	-149.25	11,315.00	2,430.15	6,791.91	6,717.49	74.41	91.273	
10,800.00	6,227.00	6,555.78	6,304.39	91.44	34.81	-148.95	11,315.00	2,430.15	6,691.91	6,617.47	74.44	89.900	
10,900.00	6,227.00	6,555.47	6,304.08	92.96	34.81	-148.64	11,315.01	2,430.15	6,591.91	6,517.45	74.46	88.528	
11,000.00	6,227.00	6,555.16	6,303.77	94.50	34.80	-148.33	11,315.01	2,430.14	6,491.91	6,417.43	74.49	87.156	
11,100.00	6,227.00	6,554.84	6,303.45	96.04	34.80	-148.01	11,315.01	2,430.14	6,391.91	6,317.40	74.51	85.784	
11,200.00	6,227.00	6,554.52	6,303.14	97.59	34.80	-147.68	11,315.01	2,430.14	6,291.91	6,217.38	74.54	84.413	
11,300.00	6,227.00	6,554.21	6,302.82	99.15	34.80	-147.34	11,315.01	2,430.13	6,191.91	6,117.35	74.56	83.042	
11,400.00	6,227.00	6,553.88	6,302.50	100.72	34.80	-147.00	11,315.01	2,430.13	6,091.92	6,017.33	74.59	81.671	
11,500.00	6,227.00	6,553.56	6,302.17	102.30	34.80	-146.65	11,315.01	2,430.13	5,991.92	5,917.30	74.62	80.301	
11,600.00	6,227.00	6,553.24	6,301.85	103.88	34.80	-146.28	11,315.01	2,430.13	5,891.92	5,817.27	74.65	78.931	
11,700.00	6,227.00	6,552.91	6,301.52	105.47	34.80	-145.91	11,315.02	2,430.12	5,791.92	5,717.24	74.68	77.562	
11,743.45	6,227.00	6,552.77	6,301.38	106.17	34.80	-145.75	11,315.02	2,430.12	5,748.47	5,673.78	74.69	76.967	
11,808.25	6,227.00	6,552.55	6,301.16	107.20	34.80	101.55	11,315.02	2,430.12	5,683.67	5,608.98	74.69	76.096	
11,900.00	6,227.00	6,552.23	6,300.84	108.66	34.80	101.39	11,315.02	2,430.12	5,591.94	5,517.27	74.67	74.888	
12,000.00	6,227.00	6,551.88	6,300.49	110.26	34.80	101.22	11,315.02	2,430.11	5,491.97	5,417.32	74.65	73.571	
12,100.00	6,227.00	6,551.52	6,300.14	111.86	34.80	101.05	11,315.02	2,430.11	5,391.99	5,317.36	74.62	72.255	
12,200.00	6,227.00	6,551.17	6,299.78	113.47	34.80	100.88	11,315.02	2,430.11	5,292.01	5,217.41	74.60	70.939	
12,300.00	6,227.00	6,550.81	6,299.42	115.08	34.79	100.70	11,315.02	2,430.10	5,192.04	5,117.46	74.57	69.623	
12,400.00	6,227.00	6,550.45	6,299.06	116.70	34.79	100.53	11,315.03	2,430.10	5,092.06	5,017.52	74.55	68.308	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - EXIST HZ NORTH PLATTE 34-13 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 495-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,500.00	6,227.00	6,550.09	6,298.70	118.33	34.79	100.35	11,315.03	2,430.10	4,992.09	4,917.57	74.52	66.993	
12,600.00	6,227.00	6,549.72	6,298.34	119.96	34.79	100.17	11,315.03	2,430.09	4,892.11	4,817.63	74.49	65.679	
12,700.00	6,227.00	6,549.36	6,297.97	121.60	34.79	99.99	11,315.03	2,430.09	4,792.14	4,717.69	74.45	64.365	
12,800.00	6,227.00	6,548.99	6,297.60	123.24	34.79	99.81	11,315.03	2,430.09	4,692.17	4,617.75	74.42	63.052	
12,900.00	6,227.00	6,548.62	6,297.23	124.88	34.79	99.63	11,315.03	2,430.08	4,592.20	4,517.82	74.38	61.739	
13,000.00	6,227.00	6,548.24	6,296.85	126.53	34.79	99.45	11,315.04	2,430.08	4,492.23	4,417.89	74.34	60.427	
13,100.00	6,227.00	6,547.86	6,296.48	128.18	34.79	99.26	11,315.04	2,430.08	4,392.27	4,317.97	74.30	59.116	
13,200.00	6,227.00	6,547.48	6,296.10	129.84	34.79	99.07	11,315.04	2,430.07	4,292.30	4,218.05	74.26	57.805	
13,300.00	6,227.00	6,547.10	6,295.71	131.50	34.79	98.88	11,315.04	2,430.07	4,192.34	4,118.13	74.21	56.494	
13,400.00	6,227.00	6,546.72	6,295.33	133.16	34.79	98.69	11,315.04	2,430.07	4,092.38	4,018.22	74.16	55.184	
13,500.00	6,227.00	6,546.33	6,294.94	134.83	34.79	98.50	11,315.04	2,430.06	3,992.42	3,918.31	74.10	53.875	
13,600.00	6,227.00	6,545.94	6,294.55	136.50	34.78	98.31	11,315.05	2,430.06	3,892.46	3,818.41	74.05	52.567	
13,700.00	6,227.00	6,545.54	6,294.16	138.17	34.78	98.12	11,315.05	2,430.06	3,792.50	3,718.52	73.99	51.259	
13,800.00	6,227.00	6,545.15	6,293.76	139.85	34.78	97.92	11,315.05	2,430.05	3,692.55	3,618.63	73.92	49.952	
13,900.00	6,227.00	6,544.75	6,293.36	141.53	34.78	97.72	11,315.05	2,430.05	3,592.60	3,518.75	73.85	48.645	
14,000.00	6,227.00	6,544.35	6,292.96	143.21	34.78	97.52	11,315.05	2,430.05	3,492.65	3,418.87	73.78	47.339	
14,100.00	6,227.00	6,543.94	6,292.56	144.89	34.78	97.32	11,315.05	2,430.04	3,392.71	3,319.01	73.70	46.034	
14,200.00	6,227.00	6,543.54	6,292.15	146.58	34.78	97.12	11,315.06	2,430.04	3,292.77	3,219.15	73.61	44.730	
14,300.00	6,227.00	6,543.13	6,291.74	148.26	34.78	96.92	11,315.06	2,430.04	3,192.83	3,119.31	73.52	43.426	
14,400.00	6,227.00	6,542.71	6,291.33	149.96	34.78	96.71	11,315.06	2,430.03	3,092.89	3,019.47	73.42	42.123	
14,500.00	6,227.00	6,542.30	6,290.91	151.65	34.78	96.50	11,315.06	2,430.03	2,992.96	2,919.65	73.32	40.821	
14,600.00	6,227.00	6,541.88	6,290.49	153.34	34.78	96.29	11,315.06	2,430.02	2,893.04	2,819.83	73.20	39.520	
14,700.00	6,227.00	6,541.46	6,290.07	155.04	34.77	96.08	11,315.07	2,430.02	2,793.12	2,720.04	73.08	38.219	
14,800.00	6,227.00	6,541.03	6,289.65	156.74	34.77	95.87	11,315.07	2,430.02	2,693.21	2,620.26	72.95	36.919	
14,900.00	6,227.00	6,540.61	6,289.22	158.44	34.77	95.66	11,315.07	2,430.01	2,593.30	2,520.49	72.80	35.620	
15,000.00	6,227.00	6,536.00	6,284.61	160.14	34.76	93.34	11,315.09	2,429.97	2,493.40	2,420.76	72.64	34.327	
15,100.00	6,227.00	6,536.00	6,284.61	161.85	34.76	93.34	11,315.09	2,429.97	2,393.51	2,321.04	72.47	33.028	
15,200.00	6,227.00	6,536.00	6,284.61	163.56	34.76	93.34	11,315.09	2,429.97	2,293.63	2,221.34	72.29	31.730	
15,300.00	6,227.00	6,536.00	6,284.61	165.26	34.76	93.34	11,315.09	2,429.97	2,193.76	2,121.67	72.09	30.433	
15,400.00	6,227.00	6,536.00	6,284.61	166.97	34.76	93.34	11,315.09	2,429.97	2,093.90	2,022.03	71.87	29.136	
15,500.00	6,227.00	6,536.00	6,284.61	168.68	34.76	93.34	11,315.09	2,429.97	1,994.05	1,922.42	71.63	27.839	
15,600.00	6,227.00	6,536.00	6,284.61	170.40	34.76	93.34	11,315.09	2,429.97	1,894.22	1,822.86	71.36	26.543	
15,700.00	6,227.00	6,536.00	6,284.61	172.11	34.76	93.34	11,315.09	2,429.97	1,794.41	1,723.34	71.07	25.247	
15,800.00	6,227.00	6,536.00	6,284.61	173.83	34.76	93.34	11,315.09	2,429.97	1,694.62	1,623.87	70.75	23.951	
15,900.00	6,227.00	6,536.00	6,284.61	175.54	34.76	93.34	11,315.09	2,429.97	1,594.86	1,524.46	70.40	22.654	
16,000.00	6,227.00	6,536.00	6,284.61	177.26	34.76	93.34	11,315.09	2,429.97	1,495.13	1,425.12	70.01	21.356	
16,100.00	6,227.00	6,536.00	6,284.61	178.98	34.76	93.34	11,315.09	2,429.97	1,395.44	1,325.86	69.58	20.056	
16,200.00	6,227.00	6,536.00	6,284.61	180.70	34.76	93.34	11,315.09	2,429.97	1,295.79	1,226.70	69.10	18.753	
16,300.00	6,227.00	6,534.25	6,282.87	182.42	34.76	92.46	11,315.10	2,429.95	1,196.21	1,127.64	68.57	17.446	
16,400.00	6,227.00	6,533.78	6,282.39	184.15	34.76	92.22	11,315.10	2,429.95	1,096.70	1,028.71	67.99	16.130	
16,500.00	6,227.00	6,533.29	6,281.91	185.87	34.76	91.98	11,315.10	2,429.94	997.29	929.92	67.37	14.803	
16,600.00	6,227.00	6,532.81	6,281.43	187.60	34.76	91.73	11,315.11	2,429.94	898.01	831.28	66.72	13.458	
16,700.00	6,227.00	6,532.33	6,280.94	189.32	34.75	91.49	11,315.11	2,429.94	798.90	732.79	66.11	12.084	
16,800.00	6,227.00	6,531.84	6,280.45	191.05	34.75	91.24	11,315.11	2,429.93	700.06	634.41	65.65	10.664	
16,900.00	6,227.00	6,531.35	6,279.96	192.78	34.75	90.99	11,315.11	2,429.93	601.59	535.96	65.63	9.166	
17,000.00	6,227.00	6,530.86	6,279.47	194.51	34.75	90.75	11,315.12	2,429.92	503.73	436.98	66.75	7.547	
17,100.00	6,227.00	6,530.37	6,278.98	196.24	34.75	90.50	11,315.12	2,429.92	406.90	336.29	70.62	5.762	
17,200.00	6,227.00	6,529.87	6,278.49	197.97	34.75	90.25	11,315.12	2,429.91	312.09	231.05	81.04	3.851	
17,300.00	6,227.00	6,529.37	6,277.99	199.70	34.75	89.99	11,315.12	2,429.91	221.88	115.02	106.85	2.076	
17,400.00	6,227.00	6,528.87	6,277.49	201.44	34.75	89.74	11,315.13	2,429.91	145.11	-21.55	166.66	0.871 Level 1	
17,490.86	6,227.00	6,528.42	6,277.03	203.01	34.75	89.51	11,315.13	2,429.90	113.15	-121.74	234.89	0.482 Level 1, CC	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - EXIST HZ NORTH PLATTE 34-13 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 495-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,500.00	6,227.00	6,528.37	6,276.99	203.17	34.74	89.49	11,315.13	2,429.90	113.52	-123.67	237.19	0.479	Level 1, ES, SF	
17,600.00	6,227.00	6,527.87	6,276.48	204.90	34.74	89.23	11,315.13	2,429.90	157.21	-44.94	202.15	0.778	Level 1	
17,700.00	6,227.00	6,527.36	6,275.98	206.64	34.74	88.98	11,315.13	2,429.89	237.78	78.37	159.41	1.492	Level 3	
17,800.00	6,227.00	6,526.85	6,275.47	208.38	34.74	88.72	11,315.14	2,429.89	329.19	193.49	135.71	2.426		
17,900.00	6,227.00	6,526.34	6,274.96	210.11	34.74	88.46	11,315.14	2,429.88	424.49	302.48	122.01	3.479		
18,000.00	6,227.00	6,525.83	6,274.44	211.85	34.74	88.20	11,315.14	2,429.88	521.55	408.18	113.38	4.600		
18,100.00	6,227.00	6,525.32	6,273.93	213.59	34.74	87.94	11,315.14	2,429.88	619.55	512.02	107.53	5.762		
18,200.00	6,227.00	6,524.80	6,273.41	215.33	34.74	87.68	11,315.15	2,429.87	718.10	614.76	103.34	6.949		
18,300.00	6,227.00	6,524.28	6,272.89	217.07	34.74	87.41	11,315.15	2,429.87	817.00	716.79	100.21	8.153		
18,400.00	6,227.00	6,523.76	6,272.37	218.81	34.73	87.15	11,315.15	2,429.86	916.14	818.34	97.81	9.367		
18,500.00	6,227.00	6,523.23	6,271.85	220.55	34.73	86.89	11,315.15	2,429.86	1,015.45	919.55	95.90	10.589		
18,600.00	6,227.00	6,522.71	6,271.32	222.29	34.73	86.62	11,315.16	2,429.85	1,114.88	1,020.52	94.36	11.815		
18,700.00	6,227.00	6,522.18	6,270.79	224.03	34.73	86.35	11,315.16	2,429.85	1,214.41	1,121.32	93.09	13.046		
18,800.00	6,227.00	6,521.65	6,270.26	225.78	34.73	86.08	11,315.16	2,429.85	1,314.00	1,221.97	92.03	14.278		
18,900.00	6,227.00	6,521.11	6,269.73	227.52	34.73	85.82	11,315.17	2,429.84	1,413.66	1,322.52	91.14	15.511		
19,000.00	6,227.00	6,520.58	6,269.19	229.26	34.73	85.55	11,315.17	2,429.84	1,513.36	1,422.98	90.37	16.746		
19,100.00	6,227.00	6,520.04	6,268.65	231.01	34.73	85.27	11,315.17	2,429.83	1,613.09	1,523.38	89.72	17.980		
19,200.00	6,227.00	6,519.50	6,268.11	232.75	34.72	85.00	11,315.17	2,429.83	1,712.86	1,623.71	89.14	19.214		
19,300.00	6,227.00	6,518.96	6,267.57	234.50	34.72	84.73	11,315.18	2,429.82	1,812.65	1,724.01	88.64	20.448		
19,400.00	6,227.00	6,518.41	6,267.02	236.25	34.72	84.46	11,315.18	2,429.82	1,912.46	1,824.26	88.21	21.682		
19,500.00	6,227.00	6,517.86	6,266.48	237.99	34.72	84.18	11,315.18	2,429.82	2,012.30	1,924.48	87.82	22.915		
19,600.00	6,227.00	6,517.31	6,265.93	239.74	34.72	83.90	11,315.18	2,429.81	2,112.14	2,024.67	87.47	24.146		
19,700.00	6,227.00	6,516.76	6,265.37	241.49	34.72	83.63	11,315.19	2,429.81	2,212.01	2,124.84	87.17	25.377		
19,800.00	6,227.00	6,516.20	6,264.82	243.24	34.72	83.35	11,315.19	2,429.80	2,311.88	2,224.99	86.89	26.607		
19,900.00	6,227.00	6,515.64	6,264.26	244.98	34.72	83.07	11,315.19	2,429.80	2,411.76	2,325.12	86.65	27.835		
20,000.00	6,227.00	6,515.08	6,263.70	246.73	34.71	82.79	11,315.20	2,429.79	2,511.66	2,425.23	86.42	29.062		
20,100.00	6,227.00	6,514.52	6,263.14	248.48	34.71	82.51	11,315.20	2,429.79	2,611.56	2,525.33	86.22	30.288		
20,200.00	6,227.00	6,513.96	6,262.57	250.23	34.71	82.23	11,315.20	2,429.79	2,711.47	2,625.42	86.05	31.512		
20,300.00	6,227.00	6,513.39	6,262.00	251.98	34.71	81.94	11,315.21	2,429.78	2,811.38	2,725.50	85.88	32.735		
20,400.00	6,227.00	6,512.82	6,261.43	253.73	34.71	81.66	11,315.21	2,429.78	2,911.30	2,825.56	85.74	33.956		
20,500.00	6,227.00	6,512.24	6,260.86	255.49	34.71	81.37	11,315.21	2,429.77	3,011.23	2,925.62	85.60	35.176		
20,600.00	6,227.00	6,511.67	6,260.28	257.24	34.71	81.09	11,315.21	2,429.77	3,111.16	3,025.67	85.48	36.395		
20,700.00	6,227.00	6,511.09	6,259.70	258.99	34.71	80.80	11,315.22	2,429.77	3,211.09	3,125.71	85.38	37.611		
20,800.00	6,227.00	6,510.51	6,259.12	260.74	34.70	80.52	11,315.22	2,429.76	3,311.03	3,225.75	85.28	38.826		
20,900.00	6,227.00	6,509.92	6,258.54	262.49	34.70	80.23	11,315.22	2,429.76	3,410.97	3,325.78	85.19	40.040		
21,000.00	6,227.00	6,509.33	6,257.95	264.25	34.70	79.94	11,315.23	2,429.75	3,510.92	3,425.81	85.11	41.252		
21,100.00	6,227.00	6,508.74	6,257.36	266.00	34.70	79.65	11,315.23	2,429.75	3,610.86	3,525.83	85.04	42.462		
21,200.00	6,227.00	6,508.15	6,256.77	267.75	34.70	79.36	11,315.23	2,429.75	3,710.81	3,625.84	84.97	43.670		
21,300.00	6,227.00	6,507.56	6,256.17	269.51	34.70	79.06	11,315.24	2,429.74	3,810.77	3,725.85	84.92	44.877		
21,400.00	6,227.00	6,506.96	6,255.57	271.26	34.70	78.77	11,315.24	2,429.74	3,910.72	3,825.86	84.86	46.082		
21,500.00	6,227.00	6,506.36	6,254.97	273.02	34.69	78.48	11,315.24	2,429.73	4,010.68	3,925.86	84.82	47.285		
21,600.00	6,227.00	6,505.75	6,254.37	274.77	34.69	78.19	11,315.25	2,429.73	4,110.64	4,025.86	84.78	48.487		
21,700.00	6,227.00	6,505.15	6,253.76	276.53	34.69	77.89	11,315.25	2,429.73	4,210.60	4,125.86	84.74	49.687		
21,800.00	6,227.00	6,504.54	6,253.15	278.28	34.69	77.59	11,315.25	2,429.72	4,310.56	4,225.85	84.71	50.884		
21,900.00	6,227.00	6,503.92	6,252.54	280.04	34.69	77.30	11,315.26	2,429.72	4,410.53	4,325.84	84.69	52.081		
22,000.00	6,227.00	6,503.31	6,251.92	281.80	34.69	77.00	11,315.26	2,429.71	4,510.50	4,425.83	84.66	53.275		
22,085.16	6,227.00	6,502.78	6,251.40	283.29	34.69	76.75	11,315.26	2,429.71	4,595.62	4,510.98	84.65	54.290		

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - EXIST HZ NORTH PLATTE K-O-13HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 103-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	11,275.00	6,442.12	53.71	85.56	-106.15	11,305.20	1,955.07	9,990.07	9,906.16	83.91	119.055	
7,600.00	6,227.00	11,275.00	6,442.12	54.28	85.56	-106.15	11,305.20	1,955.07	9,890.20	9,806.24	83.96	117.795	
7,700.00	6,227.00	11,275.00	6,442.12	54.89	85.56	-106.15	11,305.20	1,955.07	9,790.33	9,706.32	84.01	116.535	
7,800.00	6,227.00	11,275.00	6,442.12	55.55	85.56	-106.15	11,305.20	1,955.07	9,690.47	9,606.41	84.06	115.274	
7,900.00	6,227.00	11,275.00	6,442.12	56.25	85.56	-106.15	11,305.20	1,955.07	9,590.61	9,506.49	84.12	114.013	
8,000.00	6,227.00	11,275.00	6,442.12	56.99	85.56	-106.15	11,305.20	1,955.07	9,490.76	9,406.58	84.17	112.751	
8,100.00	6,227.00	11,275.00	6,442.12	57.78	85.56	-106.15	11,305.20	1,955.07	9,390.90	9,306.67	84.23	111.489	
8,200.00	6,227.00	11,275.00	6,442.12	58.62	85.56	-106.15	11,305.20	1,955.07	9,291.05	9,206.76	84.29	110.227	
8,300.00	6,227.00	11,275.00	6,442.12	59.49	85.56	-106.15	11,305.20	1,955.07	9,191.21	9,106.85	84.35	108.964	
8,400.00	6,227.00	11,275.00	6,442.12	60.41	85.56	-106.15	11,305.20	1,955.07	9,091.36	9,006.95	84.41	107.701	
8,500.00	6,227.00	11,275.00	6,442.12	61.37	85.56	-106.15	11,305.20	1,955.07	8,991.52	8,907.04	84.48	106.438	
8,600.00	6,227.00	11,275.00	6,442.12	62.37	85.56	-106.15	11,305.20	1,955.07	8,891.68	8,807.14	84.54	105.174	
8,700.00	6,227.00	11,275.00	6,442.12	63.41	85.56	-106.15	11,305.20	1,955.07	8,791.85	8,707.24	84.61	103.910	
8,800.00	6,227.00	11,275.00	6,442.12	64.49	85.56	-106.15	11,305.20	1,955.07	8,692.02	8,607.34	84.68	102.646	
8,900.00	6,227.00	11,275.00	6,442.12	65.60	85.56	-106.15	11,305.20	1,955.07	8,592.20	8,507.45	84.75	101.382	
9,000.00	6,227.00	11,275.00	6,442.12	66.74	85.56	-106.15	11,305.20	1,955.07	8,492.38	8,407.55	84.82	100.117	
9,100.00	6,227.00	11,275.00	6,442.12	67.92	85.56	-106.15	11,305.20	1,955.07	8,392.56	8,307.66	84.90	98.852	
9,200.00	6,227.00	11,275.00	6,442.12	69.13	85.56	-106.15	11,305.20	1,955.07	8,292.75	8,207.77	84.98	97.587	
9,300.00	6,227.00	11,275.00	6,442.12	70.37	85.56	-106.15	11,305.20	1,955.07	8,192.94	8,107.88	85.06	96.322	
9,400.00	6,227.00	11,275.00	6,442.12	71.63	85.56	-106.15	11,305.20	1,955.07	8,093.14	8,008.00	85.14	95.057	
9,500.00	6,227.00	11,275.00	6,442.12	72.92	85.56	-106.15	11,305.20	1,955.07	7,993.34	7,908.11	85.22	93.791	
9,600.00	6,227.00	11,275.00	6,442.12	74.23	85.56	-106.15	11,305.20	1,955.07	7,893.55	7,808.23	85.31	92.526	
9,700.00	6,227.00	11,275.00	6,442.12	75.57	85.56	-106.15	11,305.20	1,955.07	7,793.76	7,708.36	85.40	91.260	
9,800.00	6,227.00	11,275.00	6,442.12	76.93	85.56	-106.15	11,305.20	1,955.07	7,693.98	7,608.48	85.49	89.994	
9,900.00	6,227.00	11,275.00	6,442.12	78.31	85.56	-106.15	11,305.20	1,955.07	7,594.20	7,508.61	85.59	88.728	
10,000.00	6,227.00	11,275.00	6,442.12	79.71	85.56	-106.15	11,305.20	1,955.07	7,494.43	7,408.74	85.69	87.462	
10,100.00	6,227.00	11,275.00	6,442.12	81.12	85.56	-106.15	11,305.20	1,955.07	7,394.67	7,308.88	85.79	86.197	
10,200.00	6,227.00	11,275.00	6,442.12	82.55	85.56	-106.15	11,305.20	1,955.07	7,294.91	7,209.02	85.89	84.931	
10,300.00	6,227.00	11,275.00	6,442.12	84.00	85.56	-106.15	11,305.20	1,955.07	7,195.16	7,109.16	86.00	83.665	
10,400.00	6,227.00	11,275.00	6,442.12	85.46	85.56	-106.15	11,305.20	1,955.07	7,095.41	7,009.30	86.11	82.399	
10,500.00	6,227.00	11,275.00	6,442.12	86.94	85.56	-106.15	11,305.20	1,955.07	6,995.68	6,909.45	86.22	81.133	
10,600.00	6,227.00	11,275.00	6,442.12	88.43	85.56	-106.15	11,305.20	1,955.07	6,895.95	6,809.61	86.34	79.868	
10,700.00	6,227.00	11,275.00	6,442.12	89.93	85.56	-106.15	11,305.20	1,955.07	6,796.23	6,709.76	86.46	78.602	
10,800.00	6,227.00	11,275.00	6,442.12	91.44	85.56	-106.15	11,305.20	1,955.07	6,696.51	6,609.93	86.59	77.337	
10,900.00	6,227.00	11,275.00	6,442.12	92.96	85.56	-106.15	11,305.20	1,955.07	6,596.81	6,510.09	86.72	76.071	
11,000.00	6,227.00	11,275.00	6,442.12	94.50	85.56	-106.15	11,305.20	1,955.07	6,497.12	6,410.26	86.85	74.806	
11,100.00	6,227.00	11,275.00	6,442.12	96.04	85.56	-106.15	11,305.20	1,955.07	6,397.43	6,310.44	86.99	73.541	
11,200.00	6,227.00	11,275.00	6,442.12	97.59	85.56	-106.15	11,305.20	1,955.07	6,297.75	6,210.62	87.13	72.276	
11,300.00	6,227.00	11,275.00	6,442.12	99.15	85.56	-106.15	11,305.20	1,955.07	6,198.09	6,110.81	87.28	71.011	
11,400.00	6,227.00	11,275.00	6,442.12	100.72	85.56	-106.15	11,305.20	1,955.07	6,098.44	6,011.00	87.44	69.747	
11,500.00	6,227.00	11,275.00	6,442.12	102.30	85.56	-106.15	11,305.20	1,955.07	5,998.79	5,911.20	87.60	68.482	
11,600.00	6,227.00	11,275.00	6,442.12	103.88	85.56	-106.15	11,305.20	1,955.07	5,899.16	5,811.40	87.76	67.218	
11,700.00	6,227.00	11,275.00	6,442.12	105.47	85.56	-106.15	11,305.20	1,955.07	5,799.55	5,711.61	87.93	65.954	
11,743.45	6,227.00	11,275.00	6,442.12	106.17	85.56	-106.15	11,305.20	1,955.07	5,756.26	5,668.25	88.01	65.405	
11,808.25	6,227.00	11,275.00	6,442.12	107.20	85.56	-111.45	11,305.20	1,955.07	5,691.67	5,603.56	88.11	64.596	
11,900.00	6,227.00	11,275.00	6,442.12	108.66	85.56	-111.45	11,305.20	1,955.07	5,600.13	5,511.89	88.24	63.465	
12,000.00	6,227.00	11,275.00	6,442.12	110.26	85.56	-111.45	11,305.20	1,955.07	5,500.38	5,411.99	88.39	62.232	
12,100.00	6,227.00	11,275.00	6,442.12	111.86	85.56	-111.45	11,305.20	1,955.07	5,400.63	5,312.10	88.54	61.000	
12,200.00	6,227.00	11,275.00	6,442.12	113.47	85.56	-111.45	11,305.20	1,955.07	5,300.90	5,212.21	88.69	59.767	
12,300.00	6,227.00	11,275.00	6,442.12	115.08	85.56	-111.45	11,305.20	1,955.07	5,201.17	5,112.32	88.85	58.536	
12,400.00	6,227.00	11,275.00	6,442.12	116.70	85.56	-111.45	11,305.20	1,955.07	5,101.46	5,012.43	89.02	57.304	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - EXIST HZ NORTH PLATTE K-O-13HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 103-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,500.00	6,227.00	11,275.00	6,442.12	118.33	85.56	-111.45	11,305.20	1,955.07	5,001.75	4,912.55	89.20	56.073	
12,600.00	6,227.00	11,275.00	6,442.12	119.96	85.56	-111.45	11,305.20	1,955.07	4,902.06	4,812.68	89.38	54.843	
12,700.00	6,227.00	11,275.00	6,442.12	121.60	85.56	-111.45	11,305.20	1,955.07	4,802.38	4,712.81	89.58	53.613	
12,800.00	6,227.00	11,275.00	6,442.12	123.24	85.56	-111.45	11,305.20	1,955.07	4,702.72	4,612.94	89.78	52.383	
12,900.00	6,227.00	11,275.00	6,442.12	124.88	85.56	-111.45	11,305.20	1,955.07	4,603.07	4,513.08	89.99	51.154	
13,000.00	6,227.00	11,275.00	6,442.12	126.53	85.56	-111.45	11,305.20	1,955.07	4,503.43	4,413.23	90.20	49.925	
13,100.00	6,227.00	11,275.00	6,442.12	128.18	85.56	-111.45	11,305.20	1,955.07	4,403.82	4,313.38	90.43	48.697	
13,200.00	6,227.00	11,275.00	6,442.12	129.84	85.56	-111.45	11,305.20	1,955.07	4,304.22	4,213.54	90.67	47.469	
13,300.00	6,227.00	11,275.00	6,442.12	131.50	85.56	-111.45	11,305.20	1,955.07	4,204.63	4,113.71	90.93	46.241	
13,400.00	6,227.00	11,275.00	6,442.12	133.16	85.56	-111.45	11,305.20	1,955.07	4,105.07	4,013.88	91.19	45.015	
13,500.00	6,227.00	11,275.00	6,442.12	134.83	85.56	-111.45	11,305.20	1,955.07	4,005.53	3,914.06	91.47	43.789	
13,600.00	6,227.00	11,275.00	6,442.12	136.50	85.56	-111.45	11,305.20	1,955.07	3,906.02	3,814.25	91.77	42.563	
13,700.00	6,227.00	11,275.00	6,442.12	138.17	85.56	-111.45	11,305.20	1,955.07	3,806.53	3,714.44	92.08	41.338	
13,800.00	6,227.00	11,275.00	6,442.12	139.85	85.56	-111.45	11,305.20	1,955.07	3,707.06	3,614.65	92.41	40.114	
13,900.00	6,227.00	11,275.00	6,442.12	141.53	85.56	-111.45	11,305.20	1,955.07	3,607.63	3,514.86	92.76	38.890	
14,000.00	6,227.00	11,275.00	6,442.12	143.21	85.56	-111.45	11,305.20	1,955.07	3,508.23	3,415.09	93.14	37.667	
14,100.00	6,227.00	11,275.00	6,442.12	144.89	85.56	-111.45	11,305.20	1,955.07	3,408.86	3,315.33	93.53	36.445	
14,200.00	6,227.00	11,275.00	6,442.12	146.58	85.56	-111.45	11,305.20	1,955.07	3,309.53	3,215.58	93.96	35.224	
14,300.00	6,227.00	11,275.00	6,442.12	148.26	85.56	-111.45	11,305.20	1,955.07	3,210.25	3,115.84	94.41	34.004	
14,400.00	6,227.00	11,275.00	6,442.12	149.96	85.56	-111.45	11,305.20	1,955.07	3,111.01	3,016.11	94.89	32.784	
14,500.00	6,227.00	11,275.00	6,442.12	151.65	85.56	-111.45	11,305.20	1,955.07	3,011.82	2,916.40	95.41	31.565	
14,600.00	6,227.00	11,275.00	6,442.12	153.34	85.56	-111.45	11,305.20	1,955.07	2,912.68	2,816.70	95.98	30.348	
14,700.00	6,227.00	11,275.00	6,442.12	155.04	85.56	-111.45	11,305.20	1,955.07	2,813.61	2,717.02	96.58	29.132	
14,800.00	6,227.00	11,275.00	6,442.12	156.74	85.56	-111.45	11,305.20	1,955.07	2,714.60	2,617.36	97.24	27.917	
14,900.00	6,227.00	11,275.00	6,442.12	158.44	85.56	-111.45	11,305.20	1,955.07	2,615.67	2,517.72	97.95	26.704	
15,000.00	6,227.00	11,275.00	6,442.12	160.14	85.56	-111.45	11,305.20	1,955.07	2,516.82	2,418.09	98.73	25.492	
15,100.00	6,227.00	11,275.00	6,442.12	161.85	85.56	-111.45	11,305.20	1,955.07	2,418.07	2,318.49	99.58	24.282	
15,200.00	6,227.00	11,275.00	6,442.12	163.56	85.56	-111.45	11,305.20	1,955.07	2,319.43	2,218.91	100.52	23.074	
15,300.00	6,227.00	11,275.00	6,442.12	165.26	85.56	-111.45	11,305.20	1,955.07	2,220.91	2,119.35	101.55	21.869	
15,400.00	6,227.00	11,275.00	6,442.12	166.97	85.56	-111.45	11,305.20	1,955.07	2,122.52	2,019.82	102.70	20.667	
15,500.00	6,227.00	11,275.00	6,442.12	168.68	85.56	-111.45	11,305.20	1,955.07	2,024.30	1,920.31	103.98	19.468	
15,600.00	6,227.00	11,275.00	6,442.12	170.40	85.56	-111.45	11,305.20	1,955.07	1,926.25	1,820.84	105.42	18.273	
15,700.00	6,227.00	11,275.00	6,442.12	172.11	85.56	-111.45	11,305.20	1,955.07	1,828.42	1,721.39	107.03	17.083	
15,800.00	6,227.00	11,275.00	6,442.12	173.83	85.56	-111.45	11,305.20	1,955.07	1,730.84	1,621.97	108.87	15.899	
15,900.00	6,227.00	11,275.00	6,442.12	175.54	85.56	-111.45	11,305.20	1,955.07	1,633.55	1,522.58	110.96	14.722	
16,000.00	6,227.00	11,275.00	6,442.12	177.26	85.56	-111.45	11,305.20	1,955.07	1,536.60	1,423.23	113.37	13.553	
16,100.00	6,227.00	11,275.00	6,442.12	178.98	85.56	-111.45	11,305.20	1,955.07	1,440.08	1,323.90	116.18	12.396	
16,200.00	6,227.00	11,275.00	6,442.12	180.70	85.56	-111.45	11,305.20	1,955.07	1,344.06	1,224.60	119.46	11.251	
16,300.00	6,227.00	11,275.00	6,442.12	182.42	85.56	-111.45	11,305.20	1,955.07	1,248.67	1,125.33	123.34	10.124	
16,400.00	6,227.00	11,275.00	6,442.12	184.15	85.56	-111.45	11,305.20	1,955.07	1,154.06	1,026.09	127.97	9.018	
16,500.00	6,227.00	11,275.00	6,442.12	185.87	85.56	-111.45	11,305.20	1,955.07	1,060.43	926.87	133.56	7.940	
16,600.00	6,227.00	11,275.00	6,442.12	187.60	85.56	-111.45	11,305.20	1,955.07	968.09	827.70	140.38	6.896	
16,700.00	6,227.00	11,275.00	6,442.12	189.32	85.56	-111.45	11,305.20	1,955.07	877.42	728.63	148.79	5.897	
16,800.00	6,227.00	11,275.00	6,442.12	191.05	85.56	-111.45	11,305.20	1,955.07	789.01	629.80	159.21	4.956	
16,900.00	6,227.00	11,275.00	6,442.12	192.78	85.56	-111.45	11,305.20	1,955.07	703.71	531.51	172.20	4.087	
17,000.00	6,227.00	11,275.00	6,442.12	194.51	85.56	-111.45	11,305.20	1,955.07	622.81	434.51	188.30	3.308	
17,100.00	6,227.00	11,275.00	6,442.12	196.24	85.56	-111.45	11,305.20	1,955.07	548.24	340.42	207.81	2.638	
17,200.00	6,227.00	11,275.00	6,442.12	197.97	85.56	-111.45	11,305.20	1,955.07	482.95	252.74	230.20	2.098	
17,300.00	6,227.00	11,275.00	6,442.12	199.70	85.56	-111.45	11,305.20	1,955.07	431.17	178.36	252.81	1.706	
17,400.00	6,227.00	11,275.00	6,442.12	201.44	85.56	-111.45	11,305.20	1,955.07	398.23	128.50	269.73	1.476 Level 3	
17,486.63	6,227.00	11,275.00	6,442.12	202.94	85.56	-111.45	11,305.20	1,955.07	388.69	114.73	273.96	1.419 Level 3	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - EXIST HZ NORTH PLATTE K-O-13HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 103-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
17,500.00	6,227.00	11,275.00	6,442.12	203.17	85.56	-111.45	11,305.20	1,955.07	388.92	115.39	273.53	1.422	Level 3
17,600.00	6,227.00	11,178.24	6,441.54	204.90	83.92	-111.04	11,401.68	1,947.79	394.54	120.65	273.89	1.441	Level 3
17,700.00	6,227.00	11,073.18	6,441.36	206.64	82.15	-110.85	11,506.64	1,943.25	397.36	122.96	274.40	1.448	Level 3
17,800.00	6,227.00	10,974.66	6,441.64	208.38	80.51	-110.70	11,605.05	1,938.49	400.85	126.28	274.57	1.460	Level 3
17,900.00	6,227.00	10,868.81	6,441.55	210.11	78.75	-110.54	11,710.80	1,934.09	403.60	128.54	275.05	1.467	Level 3
18,000.00	6,227.00	10,762.37	6,440.64	211.85	76.99	-110.37	11,817.22	1,931.99	403.98	128.48	275.50	1.466	Level 3
18,100.00	6,227.00	10,665.24	6,439.28	213.59	75.40	-110.12	11,914.30	1,929.43	404.85	129.06	275.78	1.468	Level 3
18,200.00	6,227.00	10,562.75	6,438.39	215.33	73.72	-109.92	12,016.74	1,926.52	406.10	129.94	276.16	1.471	Level 3
18,300.00	6,227.00	10,468.13	6,438.40	217.07	72.18	-109.87	12,111.33	1,924.29	407.19	131.03	276.15	1.475	Level 3
18,400.00	6,227.00	10,365.84	6,439.71	218.81	70.52	-109.98	12,213.58	1,921.61	408.97	132.74	276.22	1.481	Level 3
18,500.00	6,227.00	10,271.43	6,438.72	220.55	69.00	-109.78	12,307.94	1,919.00	410.13	133.78	276.35	1.484	Level 3
18,600.00	6,227.00	10,166.79	6,439.34	222.29	67.32	-109.79	12,412.54	1,916.33	411.58	134.96	276.62	1.488	Level 3
18,700.00	6,227.00	10,060.61	6,439.27	224.03	65.63	-109.75	12,518.70	1,914.29	412.24	135.26	276.97	1.488	Level 3
18,800.00	6,227.00	9,957.28	6,438.88	225.78	64.01	-109.73	12,622.02	1,913.78	411.44	134.23	277.21	1.484	Level 3
18,900.00	6,227.00	9,850.04	6,437.73	227.52	62.35	-109.67	12,729.25	1,914.38	409.40	131.87	277.53	1.475	Level 3
19,000.00	6,227.00	9,749.45	6,438.00	229.26	60.81	-109.85	12,829.82	1,916.23	406.64	129.12	277.52	1.465	Level 3
19,100.00	6,227.00	9,650.32	6,438.30	231.01	59.32	-110.04	12,928.93	1,918.25	403.70	126.22	277.48	1.455	Level 3
19,192.96	6,227.00	9,568.31	6,438.61	232.63	58.07	-110.13	13,010.94	1,918.30	402.70	125.35	277.34	1.452	Level 3
19,200.00	6,227.00	9,562.55	6,438.63	232.75	57.99	-110.14	13,016.69	1,918.22	402.71	125.40	277.32	1.452	Level 3
19,300.00	6,227.00	9,456.69	6,439.20	234.50	56.39	-110.18	13,122.53	1,916.34	403.51	125.90	277.61	1.454	Level 3
19,400.00	6,227.00	9,351.79	6,439.45	236.25	54.84	-110.30	13,227.43	1,916.73	402.13	124.34	277.79	1.448	Level 3
19,500.00	6,227.00	9,255.28	6,439.29	237.99	53.44	-110.41	13,323.93	1,918.27	399.48	121.65	277.83	1.438	Level 3
19,600.00	6,227.00	9,160.80	6,439.56	239.74	52.08	-110.49	13,418.40	1,918.00	398.72	120.88	277.84	1.435	Level 3
19,604.45	6,227.00	9,156.64	6,439.58	239.82	52.02	-110.49	13,422.57	1,917.96	398.72	120.89	277.84	1.435	Level 3
19,700.00	6,227.00	9,061.34	6,439.95	241.49	50.65	-110.55	13,517.86	1,916.91	398.77	120.76	278.01	1.434	Level 3
19,800.00	6,227.00	8,963.24	6,440.06	243.24	49.27	-110.54	13,615.94	1,915.36	399.16	120.95	278.21	1.435	Level 3
19,900.00	6,227.00	8,857.25	6,439.91	244.98	47.80	-110.52	13,721.92	1,914.08	399.13	120.41	278.71	1.432	Level 3
20,000.00	6,227.00	8,752.33	6,439.48	246.73	46.40	-110.54	13,826.84	1,914.33	397.64	118.51	279.13	1.425	Level 3
20,100.00	6,227.00	8,645.02	6,437.92	248.48	45.01	-110.44	13,934.14	1,915.25	395.25	115.54	279.70	1.413	Level 3
20,200.00	6,227.00	8,559.00	6,437.00	250.23	43.93	-110.40	14,020.14	1,915.93	393.01	113.22	279.80	1.405	Level 3
20,300.00	6,227.00	8,456.85	6,437.88	251.98	42.67	-110.55	14,122.28	1,915.35	392.74	112.65	280.09	1.402	Level 3
20,400.00	6,227.00	8,354.80	6,437.85	253.73	41.48	-110.66	14,224.33	1,916.23	390.78	110.32	280.46	1.393	Level 3
20,500.00	6,227.00	8,252.20	6,436.21	255.49	40.33	-110.48	14,326.91	1,915.98	389.33	108.14	281.19	1.385	Level 3
20,583.13	6,227.00	8,177.65	6,434.94	256.94	39.53	-110.33	14,401.45	1,915.49	388.42	106.95	281.46	1.380	Level 3
20,600.00	6,227.00	8,162.37	6,434.85	257.24	39.36	-110.31	14,416.72	1,915.24	388.45	106.96	281.49	1.380	Level 3
20,700.00	6,227.00	8,073.30	6,435.34	258.99	38.44	-110.31	14,505.76	1,912.75	390.15	108.75	281.40	1.386	Level 3
20,800.00	6,227.00	7,983.58	6,438.08	260.74	37.55	-110.50	14,595.31	1,908.08	394.95	113.98	280.96	1.406	Level 3
20,900.00	6,227.00	7,892.74	6,441.34	262.49	36.69	-110.67	14,685.86	1,901.58	401.80	121.27	280.53	1.432	Level 3
21,000.00	6,227.00	7,792.38	6,441.99	264.25	35.81	-110.34	14,785.75	1,892.08	409.78	128.22	281.56	1.455	Level 3
21,100.00	6,227.00	7,681.55	6,441.59	266.00	34.99	-109.90	14,896.18	1,882.69	416.51	132.81	283.69	1.468	Level 3
21,200.00	6,227.00	7,569.79	6,441.33	267.75	34.35	-109.61	15,007.72	1,875.79	421.21	135.54	285.67	1.474	Level 3
21,300.00	6,227.00	7,459.99	6,441.32	269.51	33.92	-109.57	15,117.49	1,873.64	421.87	134.67	287.20	1.469	Level 3
21,400.00	6,227.00	7,349.81	6,443.63	271.26	33.65	-109.94	15,227.65	1,873.92	421.25	132.95	288.30	1.461	Level 3
21,500.00	6,227.00	7,237.65	6,445.25	273.02	33.55	-110.39	15,339.73	1,877.73	417.43	128.04	289.39	1.442	Level 3
21,600.00	6,227.00	7,131.78	6,447.51	274.77	33.55	-111.03	15,445.41	1,883.57	411.92	121.89	290.03	1.420	Level 3
21,700.00	6,227.00	7,012.81	6,437.83	276.53	33.65	-110.16	15,563.64	1,890.39	402.48	109.69	292.78	1.375	Level 3
21,800.00	6,227.00	6,910.66	6,411.02	278.28	33.74	-106.59	15,662.07	1,892.00	391.26	93.23	298.04	1.313	Level 3
21,900.00	6,227.00	6,819.49	6,380.28	280.04	33.84	-102.18	15,747.89	1,891.54	381.75	78.97	302.79	1.261	Level 3
22,000.00	6,227.00	6,728.83	6,345.99	281.80	33.95	-97.03	15,831.76	1,889.70	375.94	69.98	305.96	1.229	Level 2
22,085.16	6,227.00	6,647.22	6,306.93	283.29	34.05	-91.06	15,903.34	1,887.87	373.90	67.29	306.61	1.219	Level 2, CC, ES, SF

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - EXIST HZ NORTH PLATTE S-13 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 495-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
8,500.00	6,227.00	6,350.29	6,244.19	61.37	27.86	88.00	12,305.67	3,423.60	10,039.74	9,965.92	73.82	135.995	
8,600.00	6,227.00	6,350.70	6,244.60	62.37	27.86	88.02	12,305.67	3,423.61	9,940.21	9,866.50	73.72	134.844	
8,700.00	6,227.00	6,351.10	6,245.00	63.41	27.86	88.05	12,305.67	3,423.61	9,840.69	9,767.08	73.61	133.693	
8,800.00	6,227.00	6,351.50	6,245.39	64.49	27.86	88.07	12,305.67	3,423.62	9,741.18	9,667.69	73.50	132.540	
8,900.00	6,227.00	6,351.88	6,245.78	65.60	27.87	88.09	12,305.67	3,423.62	9,641.68	9,568.30	73.38	131.386	
9,000.00	6,227.00	6,352.26	6,246.16	66.74	27.87	88.11	12,305.67	3,423.63	9,542.19	9,468.92	73.27	130.232	
9,100.00	6,227.00	6,352.64	6,246.53	67.92	27.87	88.14	12,305.68	3,423.63	9,442.71	9,369.56	73.16	129.077	
9,200.00	6,227.00	6,353.00	6,246.90	69.13	27.87	88.16	12,305.68	3,423.64	9,343.24	9,270.20	73.04	127.921	
9,300.00	6,227.00	6,353.36	6,247.26	70.37	27.87	88.18	12,305.68	3,423.64	9,243.79	9,170.87	72.92	126.764	
9,400.00	6,227.00	6,353.72	6,247.62	71.63	27.87	88.20	12,305.68	3,423.65	9,144.34	9,071.54	72.80	125.605	
9,500.00	6,227.00	6,354.07	6,247.96	72.92	27.87	88.22	12,305.68	3,423.65	9,044.91	8,972.23	72.68	124.446	
9,600.00	6,227.00	6,354.41	6,248.31	74.23	27.87	88.24	12,305.68	3,423.66	8,945.49	8,872.93	72.56	123.286	
9,700.00	6,227.00	6,354.75	6,248.64	75.57	27.87	88.26	12,305.68	3,423.66	8,846.08	8,773.65	72.43	122.125	
9,800.00	6,227.00	6,355.08	6,248.97	76.93	27.87	88.28	12,305.68	3,423.67	8,746.69	8,674.38	72.31	120.962	
9,900.00	6,227.00	6,355.40	6,249.30	78.31	27.88	88.30	12,305.68	3,423.67	8,647.31	8,575.13	72.18	119.799	
10,000.00	6,227.00	6,355.72	6,249.62	79.71	27.88	88.32	12,305.68	3,423.68	8,547.95	8,475.89	72.05	118.634	
10,100.00	6,227.00	6,356.04	6,249.93	81.12	27.88	88.34	12,305.68	3,423.68	8,448.60	8,376.67	71.92	117.467	
10,200.00	6,227.00	6,356.35	6,250.24	82.55	27.88	88.36	12,305.68	3,423.68	8,349.26	8,277.47	71.79	116.300	
10,300.00	6,227.00	6,356.65	6,250.55	84.00	27.88	88.37	12,305.68	3,423.69	8,249.94	8,178.29	71.66	115.131	
10,400.00	6,227.00	6,356.95	6,250.85	85.46	27.88	88.39	12,305.68	3,423.69	8,150.64	8,079.12	71.52	113.960	
10,500.00	6,227.00	6,357.25	6,251.15	86.94	27.88	88.41	12,305.68	3,423.70	8,051.36	7,979.97	71.39	112.788	
10,600.00	6,227.00	6,357.54	6,251.44	88.43	27.88	88.43	12,305.68	3,423.70	7,952.09	7,880.84	71.25	111.614	
10,700.00	6,227.00	6,357.83	6,251.72	89.93	27.88	88.44	12,305.68	3,423.70	7,852.84	7,781.74	71.11	110.438	
10,800.00	6,227.00	6,358.11	6,252.00	91.44	27.88	88.46	12,305.68	3,423.71	7,753.61	7,682.65	70.96	109.260	
10,900.00	6,227.00	6,358.39	6,252.28	92.96	27.88	88.48	12,305.69	3,423.71	7,654.41	7,583.58	70.82	108.080	
11,000.00	6,227.00	6,358.66	6,252.56	94.50	27.89	88.49	12,305.69	3,423.71	7,555.22	7,484.54	70.68	106.898	
11,100.00	6,227.00	6,358.93	6,252.82	96.04	27.89	88.51	12,305.69	3,423.72	7,456.05	7,385.52	70.53	105.714	
11,200.00	6,227.00	6,359.19	6,253.09	97.59	27.89	88.52	12,305.69	3,423.72	7,356.91	7,286.53	70.38	104.527	
11,300.00	6,227.00	6,359.45	6,253.35	99.15	27.89	88.54	12,305.69	3,423.73	7,257.79	7,187.56	70.23	103.337	
11,400.00	6,227.00	6,359.71	6,253.61	100.72	27.89	88.56	12,305.69	3,423.73	7,158.69	7,088.61	70.08	102.144	
11,500.00	6,227.00	6,359.97	6,253.86	102.30	27.89	88.57	12,305.69	3,423.73	7,059.62	6,989.69	69.93	100.949	
11,600.00	6,227.00	6,360.22	6,254.11	103.88	27.89	88.59	12,305.69	3,423.74	6,960.58	6,890.80	69.78	99.750	
11,700.00	6,227.00	6,360.46	6,254.36	105.47	27.89	88.60	12,305.69	3,423.74	6,861.57	6,791.94	69.63	98.547	
11,743.45	6,227.00	6,360.57	6,254.46	106.17	27.89	88.61	12,305.69	3,423.74	6,818.55	6,748.99	69.56	98.023	
11,808.25	6,227.00	6,360.71	6,254.61	107.20	27.89	88.80	12,305.69	3,423.74	6,754.52	6,685.07	69.45	97.254	
11,900.00	6,227.00	6,360.89	6,254.78	108.66	27.89	88.81	12,305.69	3,423.74	6,664.06	6,594.77	69.29	96.179	
12,000.00	6,227.00	6,361.08	6,254.97	110.26	27.89	88.82	12,305.69	3,423.75	6,565.50	6,496.39	69.11	95.001	
12,100.00	6,227.00	6,361.27	6,255.16	111.86	27.89	88.83	12,305.69	3,423.75	6,466.99	6,398.06	68.93	93.817	
12,200.00	6,227.00	6,361.45	6,255.35	113.47	27.89	88.84	12,305.69	3,423.75	6,368.52	6,299.76	68.76	92.625	
12,300.00	6,227.00	6,361.64	6,255.53	115.08	27.89	88.85	12,305.69	3,423.75	6,270.10	6,201.52	68.58	91.425	
12,400.00	6,227.00	6,361.82	6,255.71	116.70	27.89	88.86	12,305.69	3,423.76	6,171.73	6,103.32	68.41	90.216	
12,500.00	6,227.00	6,361.99	6,255.89	118.33	27.89	88.87	12,305.69	3,423.76	6,073.42	6,005.17	68.24	88.998	
12,600.00	6,227.00	6,362.17	6,256.07	119.96	27.90	88.88	12,305.69	3,423.76	5,975.16	5,907.08	68.08	87.769	
12,700.00	6,227.00	6,362.34	6,256.24	121.60	27.90	88.89	12,305.69	3,423.76	5,876.96	5,809.04	67.92	86.530	
12,800.00	6,227.00	6,362.52	6,256.41	123.24	27.90	88.89	12,305.69	3,423.77	5,778.82	5,711.05	67.76	85.278	
12,900.00	6,227.00	6,362.68	6,256.58	124.88	27.90	88.90	12,305.69	3,423.77	5,680.74	5,613.13	67.62	84.014	
13,000.00	6,227.00	6,362.85	6,256.75	126.53	27.90	88.91	12,305.69	3,423.77	5,582.74	5,515.26	67.48	82.735	
13,100.00	6,227.00	6,363.02	6,256.91	128.18	27.90	88.92	12,305.69	3,423.77	5,484.80	5,417.45	67.35	81.441	
13,200.00	6,227.00	6,363.18	6,257.07	129.84	27.90	88.93	12,305.69	3,423.77	5,386.94	5,319.72	67.23	80.130	
13,300.00	6,227.00	6,363.34	6,257.24	131.50	27.90	88.94	12,305.69	3,423.78	5,289.17	5,222.05	67.12	78.801	
13,400.00	6,227.00	6,363.50	6,257.39	133.16	27.90	88.94	12,305.69	3,423.78	5,191.47	5,124.45	67.03	77.453	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - EXIST HZ NORTH PLATTE S-13 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 495-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	6,363.66	6,257.55	134.83	27.90	88.95	12,305.69	3,423.78	5,093.87	5,026.92	66.95	76.084		
13,600.00	6,227.00	6,363.81	6,257.71	136.50	27.90	88.96	12,305.69	3,423.78	4,996.36	4,929.47	66.89	74.692		
13,700.00	6,227.00	6,363.96	6,257.86	138.17	27.90	88.97	12,305.69	3,423.79	4,898.95	4,832.10	66.86	73.276		
13,800.00	6,227.00	6,364.11	6,258.01	139.85	27.90	88.98	12,305.69	3,423.79	4,801.65	4,734.81	66.84	71.834		
13,900.00	6,227.00	6,364.26	6,258.16	141.53	27.90	88.98	12,305.69	3,423.79	4,704.46	4,637.60	66.86	70.364		
14,000.00	6,227.00	6,364.41	6,258.30	143.21	27.90	88.99	12,305.69	3,423.79	4,607.39	4,540.49	66.90	68.865		
14,100.00	6,227.00	6,364.55	6,258.45	144.89	27.90	89.00	12,305.69	3,423.79	4,510.45	4,443.47	66.99	67.335		
14,200.00	6,227.00	6,364.70	6,258.59	146.58	27.90	89.01	12,305.69	3,423.80	4,413.65	4,346.54	67.11	65.772		
14,300.00	6,227.00	6,364.84	6,258.74	148.26	27.90	89.01	12,305.69	3,423.80	4,316.99	4,249.72	67.27	64.174		
14,400.00	6,227.00	6,364.98	6,258.88	149.96	27.90	89.02	12,305.69	3,423.80	4,220.49	4,153.00	67.48	62.541		
14,500.00	6,227.00	6,365.12	6,259.01	151.65	27.90	89.03	12,305.69	3,423.80	4,124.15	4,056.40	67.75	60.870		
14,600.00	6,227.00	6,365.26	6,259.15	153.34	27.90	89.03	12,305.69	3,423.80	4,027.99	3,959.91	68.08	59.161		
14,700.00	6,227.00	6,365.39	6,259.29	155.04	27.90	89.04	12,305.69	3,423.80	3,932.03	3,863.54	68.48	57.414		
14,800.00	6,227.00	6,365.53	6,259.42	156.74	27.90	89.05	12,305.70	3,423.81	3,836.27	3,767.31	68.96	55.629		
14,900.00	6,227.00	6,365.66	6,259.55	158.44	27.91	89.06	12,305.70	3,423.81	3,740.73	3,671.21	69.52	53.806		
15,000.00	6,227.00	6,365.79	6,259.68	160.14	27.91	89.06	12,305.70	3,423.81	3,645.43	3,575.26	70.18	51.945		
15,100.00	6,227.00	6,365.92	6,259.81	161.85	27.91	89.07	12,305.70	3,423.81	3,550.39	3,479.46	70.94	50.051		
15,200.00	6,227.00	6,366.05	6,259.94	163.56	27.91	89.08	12,305.70	3,423.81	3,455.64	3,383.83	71.81	48.123		
15,300.00	6,227.00	6,366.17	6,260.07	165.26	27.91	89.08	12,305.70	3,423.81	3,361.18	3,288.38	72.80	46.168		
15,400.00	6,227.00	6,366.30	6,260.19	166.97	27.91	89.09	12,305.70	3,423.82	3,267.05	3,193.12	73.94	44.188		
15,500.00	6,227.00	6,366.42	6,260.32	168.68	27.91	89.09	12,305.70	3,423.82	3,173.29	3,098.07	75.22	42.189		
15,600.00	6,227.00	6,366.54	6,260.44	170.40	27.91	89.10	12,305.70	3,423.82	3,079.91	3,003.25	76.66	40.177		
15,700.00	6,227.00	6,366.66	6,260.56	172.11	27.91	89.11	12,305.70	3,423.82	2,986.97	2,908.69	78.28	38.158		
15,800.00	6,227.00	6,366.78	6,260.68	173.83	27.91	89.11	12,305.70	3,423.82	2,894.49	2,814.40	80.09	36.141		
15,900.00	6,227.00	6,366.90	6,260.80	175.54	27.91	89.12	12,305.70	3,423.82	2,802.53	2,720.43	82.11	34.132		
16,000.00	6,227.00	6,367.02	6,260.91	177.26	27.91	89.13	12,305.70	3,423.83	2,711.15	2,626.79	84.35	32.141		
16,100.00	6,227.00	6,367.13	6,261.03	178.98	27.91	89.13	12,305.70	3,423.83	2,620.39	2,533.55	86.84	30.175		
16,200.00	6,227.00	6,367.25	6,261.14	180.70	27.91	89.14	12,305.70	3,423.83	2,530.32	2,440.73	89.59	28.243		
16,300.00	6,227.00	6,367.36	6,261.26	182.42	27.91	89.14	12,305.70	3,423.83	2,441.03	2,348.41	92.63	26.353		
16,400.00	6,227.00	6,367.47	6,261.37	184.15	27.91	89.15	12,305.70	3,423.83	2,352.61	2,256.63	95.97	24.513		
16,500.00	6,227.00	6,367.58	6,261.48	185.87	27.91	89.15	12,305.70	3,423.83	2,265.14	2,165.49	99.65	22.730		
16,600.00	6,227.00	6,367.69	6,261.59	187.60	27.91	89.16	12,305.70	3,423.83	2,178.76	2,075.06	103.69	21.012		
16,700.00	6,227.00	6,367.80	6,261.70	189.32	27.91	89.17	12,305.70	3,423.84	2,093.58	1,985.46	108.12	19.364		
16,800.00	6,227.00	6,367.91	6,261.80	191.05	27.91	89.17	12,305.70	3,423.84	2,009.78	1,896.82	112.96	17.792		
16,900.00	6,227.00	6,368.02	6,261.91	192.78	27.91	89.18	12,305.70	3,423.84	1,927.51	1,809.26	118.25	16.300		
17,000.00	6,227.00	6,368.12	6,262.02	194.51	27.91	89.18	12,305.70	3,423.84	1,847.00	1,722.99	124.01	14.894		
17,100.00	6,227.00	6,368.23	6,262.12	196.24	27.91	89.19	12,305.70	3,423.84	1,768.48	1,638.20	130.28	13.575		
17,200.00	6,227.00	6,368.33	6,262.22	197.97	27.91	89.19	12,305.70	3,423.84	1,692.23	1,555.16	137.07	12.346		
17,300.00	6,227.00	6,368.43	6,262.33	199.70	27.91	89.20	12,305.70	3,423.84	1,618.57	1,474.17	144.40	11.209		
17,400.00	6,227.00	6,368.53	6,262.43	201.44	27.91	89.20	12,305.70	3,423.85	1,547.86	1,395.59	152.27	10.165		
17,500.00	6,227.00	6,368.63	6,262.53	203.17	27.91	89.21	12,305.70	3,423.85	1,480.53	1,319.87	160.67	9.215		
17,600.00	6,227.00	6,368.73	6,262.63	204.90	27.91	89.21	12,305.70	3,423.85	1,417.07	1,247.53	169.55	8.358		
17,700.00	6,227.00	6,368.83	6,262.72	206.64	27.91	89.22	12,305.70	3,423.85	1,358.02	1,179.18	178.83	7.594		
17,800.00	6,227.00	6,368.93	6,262.82	208.38	27.91	89.22	12,305.70	3,423.85	1,303.96	1,115.56	188.40	6.921		
17,900.00	6,227.00	6,369.02	6,262.92	210.11	27.92	89.23	12,305.70	3,423.85	1,255.56	1,057.47	198.09	6.338		
18,000.00	6,227.00	6,369.12	6,263.01	211.85	27.92	89.23	12,305.70	3,423.85	1,213.48	1,005.83	207.66	5.844		
18,100.00	6,227.00	6,369.21	6,263.11	213.59	27.92	89.24	12,305.70	3,423.85	1,178.41	961.58	216.83	5.435		
18,200.00	6,227.00	6,369.30	6,263.20	215.33	27.92	89.24	12,305.70	3,423.86	1,150.98	925.70	225.28	5.109		
18,300.00	6,227.00	6,369.40	6,263.29	217.07	27.92	89.25	12,305.70	3,423.86	1,131.76	899.06	232.70	4.864		
18,400.00	6,227.00	6,369.49	6,263.38	218.81	27.92	89.25	12,305.70	3,423.86	1,121.15	882.37	238.78	4.695		
18,469.45	6,227.00	6,369.55	6,263.45	220.02	27.92	89.25	12,305.70	3,423.86	1,119.00	876.89	242.11	4.622 CC		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - EXIST HZ NORTH PLATTE S-13 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 495-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
18,500.00	6,227.00	6,369.58	6,263.47	220.55	27.92	89.26	12,305.70	3,423.86	1,119.42	876.10	243.32	4.601	ES	
18,600.00	6,227.00	6,369.67	6,263.56	222.29	27.92	89.26	12,305.70	3,423.86	1,126.59	880.40	246.19	4.576	SF	
18,700.00	6,227.00	6,369.76	6,263.65	224.03	27.92	89.27	12,305.70	3,423.86	1,142.51	895.11	247.40	4.618		
18,800.00	6,227.00	6,369.84	6,263.74	225.78	27.92	89.27	12,305.70	3,423.86	1,166.80	919.74	247.07	4.723		
18,900.00	6,227.00	6,369.93	6,263.83	227.52	27.92	89.27	12,305.70	3,423.86	1,198.98	953.59	245.39	4.886		
19,000.00	6,227.00	6,370.02	6,263.91	229.26	27.92	89.28	12,305.70	3,423.86	1,238.41	995.80	242.61	5.105		
19,100.00	6,227.00	6,370.10	6,264.00	231.01	27.92	89.28	12,305.70	3,423.87	1,284.43	1,045.45	238.98	5.375		
19,200.00	6,227.00	6,370.19	6,264.08	232.75	27.92	89.29	12,305.70	3,423.87	1,336.37	1,101.61	234.76	5.692		
19,300.00	6,227.00	6,370.27	6,264.17	234.50	27.92	89.29	12,305.70	3,423.87	1,393.55	1,163.40	230.15	6.055		
19,400.00	6,227.00	6,370.36	6,264.25	236.25	27.92	89.30	12,305.70	3,423.87	1,455.37	1,230.04	225.33	6.459		
19,500.00	6,227.00	6,370.44	6,264.33	237.99	27.92	89.30	12,305.70	3,423.87	1,521.25	1,300.81	220.44	6.901		
19,600.00	6,227.00	6,370.52	6,264.42	239.74	27.92	89.30	12,305.70	3,423.87	1,590.70	1,375.13	215.57	7.379		
19,700.00	6,227.00	6,370.60	6,264.50	241.49	27.92	89.31	12,305.70	3,423.87	1,663.26	1,452.45	210.81	7.890		
19,800.00	6,227.00	6,370.68	6,264.58	243.24	27.92	89.31	12,305.70	3,423.87	1,738.55	1,532.35	206.20	8.432		
19,900.00	6,227.00	6,370.76	6,264.66	244.98	27.92	89.32	12,305.70	3,423.87	1,816.22	1,614.45	201.77	9.002		
20,000.00	6,227.00	6,370.84	6,264.74	246.73	27.92	89.32	12,305.70	3,423.88	1,895.99	1,698.45	197.54	9.598		
20,100.00	6,227.00	6,370.92	6,264.81	248.48	27.92	89.32	12,305.70	3,423.88	1,977.59	1,784.07	193.52	10.219		
20,200.00	6,227.00	6,371.00	6,264.89	250.23	27.92	89.33	12,305.70	3,423.88	2,060.82	1,871.11	189.71	10.863		
20,300.00	6,227.00	6,371.07	6,264.97	251.98	27.92	89.33	12,305.70	3,423.88	2,145.48	1,959.37	186.11	11.528		
20,400.00	6,227.00	6,371.15	6,265.04	253.73	27.92	89.34	12,305.70	3,423.88	2,231.41	2,048.70	182.72	12.212		
20,500.00	6,227.00	6,371.22	6,265.12	255.49	27.92	89.34	12,305.70	3,423.88	2,318.47	2,138.96	179.51	12.915		
20,600.00	6,227.00	6,371.30	6,265.19	257.24	27.92	89.34	12,305.70	3,423.88	2,406.54	2,230.05	176.49	13.635		
20,700.00	6,227.00	6,371.37	6,265.27	258.99	27.92	89.35	12,305.70	3,423.88	2,495.50	2,321.86	173.65	14.371		
20,800.00	6,227.00	6,371.45	6,265.34	260.74	27.92	89.35	12,305.70	3,423.88	2,585.28	2,414.31	170.96	15.122		
20,900.00	6,227.00	6,371.52	6,265.41	262.49	27.92	89.36	12,305.70	3,423.88	2,675.77	2,507.34	168.43	15.886		
21,000.00	6,227.00	6,371.59	6,265.49	264.25	27.92	89.36	12,305.70	3,423.88	2,766.93	2,600.88	166.05	16.664		
21,100.00	6,227.00	6,371.66	6,265.56	266.00	27.92	89.36	12,305.70	3,423.89	2,858.67	2,694.88	163.79	17.453		
21,200.00	6,227.00	6,371.74	6,265.63	267.75	27.92	89.37	12,305.70	3,423.89	2,950.95	2,789.28	161.66	18.254		
21,300.00	6,227.00	6,371.81	6,265.70	269.51	27.92	89.37	12,305.70	3,423.89	3,043.72	2,884.07	159.65	19.065		
21,400.00	6,227.00	6,371.88	6,265.77	271.26	27.92	89.37	12,305.70	3,423.89	3,136.93	2,979.18	157.75	19.886		
21,500.00	6,227.00	6,371.94	6,265.84	273.02	27.92	89.38	12,305.70	3,423.89	3,230.55	3,074.60	155.94	20.716		
21,600.00	6,227.00	6,372.01	6,265.91	274.77	27.92	89.38	12,305.70	3,423.89	3,324.54	3,170.30	154.24	21.555		
21,700.00	6,227.00	6,372.08	6,265.98	276.53	27.92	89.38	12,305.70	3,423.89	3,418.87	3,266.25	152.62	22.402		
21,800.00	6,227.00	6,372.15	6,266.04	278.28	27.92	89.39	12,305.70	3,423.89	3,513.51	3,362.43	151.08	23.256		
21,900.00	6,227.00	6,372.22	6,266.11	280.04	27.92	89.39	12,305.70	3,423.89	3,608.45	3,458.83	149.62	24.118		
22,000.00	6,227.00	6,372.28	6,266.18	281.80	27.92	89.39	12,305.70	3,423.89	3,703.65	3,555.42	148.23	24.986		
22,085.16	6,227.00	6,372.34	6,266.23	283.29	27.92	89.40	12,305.70	3,423.89	3,784.91	3,637.81	147.10	25.730		

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - NORTH PLATTE T34-P31-13HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 17-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,040.67	6,227.00	6,025.00	5,736.99	51.63	33.68	42.06	10,873.39	2,924.09	10,040.72	9,960.44	80.28	125.069	
7,100.00	6,227.00	6,025.00	5,736.99	51.85	33.68	42.06	10,873.39	2,924.09	9,981.55	9,901.30	80.25	124.384	
7,200.00	6,227.00	6,025.00	5,736.99	52.25	33.68	42.06	10,873.39	2,924.09	9,881.81	9,801.62	80.19	123.228	
7,300.00	6,227.00	6,025.00	5,736.99	52.70	33.68	42.06	10,873.39	2,924.09	9,782.08	9,701.95	80.13	122.073	
7,400.00	6,227.00	6,025.00	5,736.99	53.18	33.68	42.06	10,873.39	2,924.09	9,682.35	9,602.28	80.08	120.916	
7,500.00	6,227.00	6,025.00	5,736.99	53.71	33.68	42.06	10,873.39	2,924.09	9,582.64	9,502.62	80.02	119.759	
7,600.00	6,227.00	6,025.00	5,736.99	54.28	33.68	42.06	10,873.39	2,924.09	9,482.92	9,402.96	79.96	118.601	
7,700.00	6,227.00	6,025.00	5,736.99	54.89	33.68	42.06	10,873.39	2,924.09	9,383.21	9,303.32	79.90	117.443	
7,800.00	6,227.00	6,025.00	5,736.99	55.55	33.68	42.06	10,873.39	2,924.09	9,283.51	9,203.68	79.83	116.284	
7,900.00	6,227.00	6,025.00	5,736.99	56.25	33.68	42.06	10,873.39	2,924.09	9,183.82	9,104.04	79.77	115.125	
8,000.00	6,227.00	6,025.00	5,736.99	56.99	33.68	42.06	10,873.39	2,924.09	9,084.13	9,004.42	79.71	113.966	
8,100.00	6,227.00	6,025.00	5,736.99	57.78	33.68	42.06	10,873.39	2,924.09	8,984.45	8,904.80	79.65	112.805	
8,200.00	6,227.00	6,025.00	5,736.99	58.62	33.68	42.06	10,873.39	2,924.09	8,884.77	8,805.19	79.58	111.645	
8,300.00	6,227.00	6,025.00	5,736.99	59.49	33.68	42.06	10,873.39	2,924.09	8,785.11	8,705.59	79.51	110.484	
8,400.00	6,227.00	6,025.00	5,736.99	60.41	33.68	42.06	10,873.39	2,924.09	8,685.45	8,606.00	79.45	109.322	
8,500.00	6,227.00	6,025.00	5,736.99	61.37	33.68	42.06	10,873.39	2,924.09	8,585.80	8,506.42	79.38	108.160	
8,600.00	6,227.00	6,025.00	5,736.99	62.37	33.68	42.06	10,873.39	2,924.09	8,486.15	8,406.84	79.31	106.998	
8,700.00	6,227.00	6,025.00	5,736.99	63.41	33.68	42.06	10,873.39	2,924.09	8,386.52	8,307.28	79.24	105.835	
8,800.00	6,227.00	6,025.00	5,736.99	64.49	33.68	42.06	10,873.39	2,924.09	8,286.89	8,207.72	79.17	104.672	
8,900.00	6,227.00	6,025.00	5,736.99	65.60	33.68	42.06	10,873.39	2,924.09	8,187.28	8,108.18	79.10	103.509	
9,000.00	6,227.00	6,025.00	5,736.99	66.74	33.68	42.06	10,873.39	2,924.09	8,087.67	8,008.64	79.02	102.345	
9,100.00	6,227.00	6,025.00	5,736.99	67.92	33.68	42.06	10,873.39	2,924.09	7,988.07	7,909.12	78.95	101.180	
9,200.00	6,227.00	6,025.00	5,736.99	69.13	33.68	42.06	10,873.39	2,924.09	7,888.48	7,809.61	78.87	100.016	
9,300.00	6,227.00	6,025.00	5,736.99	70.37	33.68	42.06	10,873.39	2,924.09	7,788.91	7,710.11	78.79	98.850	
9,400.00	6,227.00	6,025.00	5,736.99	71.63	33.68	42.06	10,873.39	2,924.09	7,689.34	7,610.63	78.72	97.685	
9,500.00	6,227.00	6,025.00	5,736.99	72.92	33.68	42.06	10,873.39	2,924.09	7,589.79	7,511.15	78.64	96.519	
9,600.00	6,227.00	6,025.00	5,736.99	74.23	33.68	42.06	10,873.39	2,924.09	7,490.25	7,411.69	78.55	95.353	
9,700.00	6,227.00	6,025.00	5,736.99	75.57	33.68	42.06	10,873.39	2,924.09	7,390.72	7,312.25	78.47	94.186	
9,800.00	6,227.00	6,025.00	5,736.99	76.93	33.68	42.06	10,873.39	2,924.09	7,291.20	7,212.82	78.38	93.019	
9,900.00	6,227.00	6,025.00	5,736.99	78.31	33.68	42.06	10,873.39	2,924.09	7,191.70	7,113.40	78.30	91.852	
10,000.00	6,227.00	6,025.00	5,736.99	79.71	33.68	42.06	10,873.39	2,924.09	7,092.21	7,014.00	78.21	90.684	
10,100.00	6,227.00	6,025.00	5,736.99	81.12	33.68	42.06	10,873.39	2,924.09	6,992.73	6,914.61	78.12	89.516	
10,200.00	6,227.00	6,046.05	5,756.69	82.55	33.80	42.70	10,875.05	2,916.86	6,892.84	6,814.61	78.23	88.112	
10,300.00	6,227.00	6,046.76	5,757.35	84.00	33.81	42.72	10,875.12	2,916.61	6,793.36	6,715.22	78.14	86.937	
10,400.00	6,227.00	6,047.50	5,758.04	85.46	33.81	42.74	10,875.20	2,916.35	6,693.90	6,615.85	78.05	85.761	
10,500.00	6,227.00	6,048.25	5,758.74	86.94	33.82	42.76	10,875.27	2,916.09	6,594.46	6,516.50	77.96	84.584	
10,600.00	6,227.00	6,049.02	5,759.46	88.43	33.82	42.79	10,875.35	2,915.81	6,495.03	6,417.16	77.87	83.407	
10,700.00	6,227.00	6,070.00	5,778.82	89.93	33.95	43.42	10,877.93	2,908.18	6,396.02	6,318.04	77.98	82.018	
10,800.00	6,227.00	6,070.00	5,778.82	91.44	33.95	43.42	10,877.93	2,908.18	6,296.59	6,218.71	77.88	80.849	
10,900.00	6,227.00	6,070.00	5,778.82	92.96	33.95	43.42	10,877.93	2,908.18	6,197.19	6,119.41	77.78	79.680	
11,000.00	6,227.00	6,070.00	5,778.82	94.50	33.95	43.42	10,877.93	2,908.18	6,097.80	6,020.13	77.67	78.510	
11,100.00	6,227.00	6,070.00	5,778.82	96.04	33.95	43.42	10,877.93	2,908.18	5,998.43	5,920.87	77.56	77.340	
11,200.00	6,227.00	6,070.00	5,778.82	97.59	33.95	43.42	10,877.93	2,908.18	5,899.08	5,821.64	77.45	76.170	
11,300.00	6,227.00	6,070.00	5,778.82	99.15	33.95	43.42	10,877.93	2,908.18	5,799.76	5,722.43	77.33	74.999	
11,400.00	6,227.00	6,070.00	5,778.82	100.72	33.95	43.42	10,877.93	2,908.18	5,700.46	5,623.25	77.21	73.827	
11,500.00	6,227.00	6,070.00	5,778.82	102.30	33.95	43.42	10,877.93	2,908.18	5,601.18	5,524.09	77.09	72.655	
11,600.00	6,227.00	6,070.00	5,778.82	103.88	33.95	43.42	10,877.93	2,908.18	5,501.93	5,424.97	76.97	71.482	
11,700.00	6,227.00	6,070.00	5,778.82	105.47	33.95	43.42	10,877.93	2,908.18	5,402.71	5,325.87	76.84	70.309	
11,743.45	6,227.00	6,070.00	5,778.82	106.17	33.95	43.42	10,877.93	2,908.18	5,359.61	5,282.82	76.79	69.799	
11,808.25	6,227.00	6,070.00	5,778.82	107.20	33.95	49.92	10,877.93	2,908.18	5,295.41	5,218.72	76.69	69.051	
11,900.00	6,227.00	6,070.00	5,778.82	108.66	33.95	49.92	10,877.93	2,908.18	5,204.64	5,128.11	76.53	68.010	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - NORTH PLATTE T34-P31-13HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 17-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,000.00	6,227.00	6,070.00	5,778.82	110.26	33.95	49.92	10,877.93	2,908.18	5,105.75	5,029.40	76.35	66.873	
12,100.00	6,227.00	6,070.00	5,778.82	111.86	33.95	49.92	10,877.93	2,908.18	5,006.91	4,930.74	76.17	65.735	
12,200.00	6,227.00	6,070.00	5,778.82	113.47	33.95	49.92	10,877.93	2,908.18	4,908.11	4,832.12	75.98	64.595	
12,300.00	6,227.00	6,070.00	5,778.82	115.08	33.95	49.92	10,877.93	2,908.18	4,809.36	4,733.56	75.79	63.453	
12,400.00	6,227.00	6,070.00	5,778.82	116.70	33.95	49.92	10,877.93	2,908.18	4,710.66	4,635.06	75.60	62.308	
12,500.00	6,227.00	6,070.00	5,778.82	118.33	33.95	49.92	10,877.93	2,908.18	4,612.02	4,536.61	75.41	61.160	
12,600.00	6,227.00	6,070.00	5,778.82	119.96	33.95	49.92	10,877.93	2,908.18	4,513.44	4,438.23	75.21	60.009	
12,700.00	6,227.00	6,070.00	5,778.82	121.60	33.95	49.92	10,877.93	2,908.18	4,414.92	4,339.91	75.01	58.855	
12,800.00	6,227.00	6,070.00	5,778.82	123.24	33.95	49.92	10,877.93	2,908.18	4,316.48	4,241.66	74.81	57.697	
12,900.00	6,227.00	6,070.00	5,778.82	124.88	33.95	49.92	10,877.93	2,908.18	4,218.10	4,143.49	74.61	56.534	
13,000.00	6,227.00	6,070.00	5,778.82	126.53	33.95	49.92	10,877.93	2,908.18	4,119.80	4,045.39	74.41	55.366	
13,100.00	6,227.00	6,089.75	5,796.89	128.18	34.06	50.62	10,880.92	2,900.77	4,021.37	3,946.94	74.43	54.032	
13,200.00	6,227.00	6,093.43	5,800.24	129.84	34.09	50.75	10,881.51	2,899.38	3,923.15	3,848.89	74.26	52.828	
13,300.00	6,227.00	6,097.26	5,803.73	131.50	34.11	50.89	10,882.15	2,897.92	3,825.02	3,750.91	74.10	51.618	
13,400.00	6,227.00	6,116.00	5,820.72	133.16	34.22	51.57	10,885.44	2,890.75	3,727.08	3,652.98	74.10	50.296	
13,500.00	6,227.00	6,116.00	5,820.72	134.83	34.22	51.57	10,885.44	2,890.75	3,629.05	3,555.15	73.90	49.106	
13,600.00	6,227.00	6,116.00	5,820.72	136.50	34.22	51.57	10,885.44	2,890.75	3,531.13	3,457.42	73.71	47.906	
13,700.00	6,227.00	6,116.00	5,820.72	138.17	34.22	51.57	10,885.44	2,890.75	3,433.33	3,359.81	73.52	46.697	
13,800.00	6,227.00	6,116.00	5,820.72	139.85	34.22	51.57	10,885.44	2,890.75	3,335.66	3,262.31	73.35	45.477	
13,900.00	6,227.00	6,116.00	5,820.72	141.53	34.22	51.57	10,885.44	2,890.75	3,238.13	3,164.94	73.19	44.245	
14,000.00	6,227.00	6,135.12	5,837.99	143.21	34.33	52.30	10,889.05	2,883.39	3,140.60	3,067.39	73.21	42.899	
14,100.00	6,227.00	6,142.87	5,844.99	144.89	34.37	52.60	10,890.56	2,880.41	3,043.25	2,970.11	73.14	41.608	
14,200.00	6,227.00	6,163.00	5,863.13	146.58	34.49	53.42	10,894.64	2,872.69	2,946.08	2,872.90	73.18	40.256	
14,300.00	6,227.00	6,163.00	5,863.13	148.26	34.49	53.42	10,894.64	2,872.69	2,848.92	2,775.84	73.09	38.980	
14,400.00	6,227.00	6,163.00	5,863.13	149.96	34.49	53.42	10,894.64	2,872.69	2,751.97	2,678.94	73.03	37.683	
14,500.00	6,227.00	6,163.00	5,863.13	151.65	34.49	53.42	10,894.64	2,872.69	2,655.24	2,582.22	73.02	36.364	
14,600.00	6,227.00	6,163.00	5,863.13	153.34	34.49	53.42	10,894.64	2,872.69	2,558.77	2,485.70	73.07	35.019	
14,700.00	6,227.00	6,163.00	5,863.13	155.04	34.49	53.42	10,894.64	2,872.69	2,462.58	2,389.39	73.19	33.647	
14,800.00	6,227.00	6,182.91	5,880.99	156.74	34.59	54.26	10,899.09	2,865.12	2,366.29	2,292.88	73.41	32.235	
14,900.00	6,227.00	6,188.08	5,885.61	158.44	34.62	54.48	10,900.35	2,863.16	2,270.52	2,196.84	73.68	30.816	
15,000.00	6,227.00	6,209.00	5,904.20	160.14	34.73	55.42	10,905.88	2,855.31	2,175.32	2,101.31	74.01	29.391	
15,100.00	6,227.00	6,209.00	5,904.20	161.85	34.73	55.42	10,905.88	2,855.31	2,080.08	2,005.57	74.50	27.919	
15,200.00	6,227.00	6,209.00	5,904.20	163.56	34.73	55.42	10,905.88	2,855.31	1,985.30	1,910.13	75.17	26.410	
15,300.00	6,227.00	6,209.00	5,904.20	165.26	34.73	55.42	10,905.88	2,855.31	1,891.06	1,815.01	76.05	24.865	
15,400.00	6,227.00	6,209.00	5,904.20	166.97	34.73	55.42	10,905.88	2,855.31	1,797.44	1,720.25	77.19	23.286	
15,500.00	6,227.00	6,209.00	5,904.20	168.68	34.73	55.42	10,905.88	2,855.31	1,704.55	1,625.92	78.64	21.677	
15,600.00	6,227.00	6,209.00	5,904.20	170.40	34.73	55.42	10,905.88	2,855.31	1,612.51	1,532.07	80.45	20.045	
15,700.00	6,227.00	6,233.32	5,925.46	172.11	34.84	56.56	10,913.53	2,846.34	1,520.44	1,438.38	82.06	18.529	
15,800.00	6,227.00	6,255.00	5,943.94	173.83	34.94	57.60	10,921.73	2,838.53	1,430.29	1,346.26	84.03	17.021	
15,900.00	6,227.00	6,255.00	5,943.94	175.54	34.94	57.60	10,921.73	2,838.53	1,340.60	1,253.44	87.16	15.381	
16,000.00	6,227.00	6,255.00	5,943.94	177.26	34.94	57.60	10,921.73	2,838.53	1,252.47	1,161.48	90.99	13.765	
16,100.00	6,227.00	6,255.00	5,943.94	178.98	34.94	57.60	10,921.73	2,838.53	1,166.26	1,070.63	95.64	12.195	
16,200.00	6,227.00	6,280.26	5,964.97	180.70	35.03	58.87	10,932.68	2,829.83	1,081.38	981.47	99.91	10.824	
16,300.00	6,227.00	6,301.00	5,981.88	182.42	35.10	59.97	10,942.66	2,823.14	999.08	893.83	105.26	9.492	
16,400.00	6,227.00	6,316.17	5,994.13	184.15	35.14	60.81	10,950.32	2,818.52	919.25	807.23	112.02	8.206	
16,500.00	6,227.00	6,345.95	6,018.24	185.87	35.21	62.58	10,965.64	2,810.14	842.16	723.01	119.15	7.068	
16,600.00	6,227.00	6,391.00	6,055.01	187.60	35.31	65.57	10,988.90	2,798.42	767.57	640.92	126.65	6.061	
16,700.00	6,227.00	6,420.47	6,078.86	189.32	35.36	67.69	11,004.59	2,791.13	696.69	559.81	136.88	5.090	
16,800.00	6,227.00	6,435.00	6,090.37	191.05	35.39	68.76	11,012.75	2,787.69	631.63	481.46	150.17	4.206	
16,900.00	6,227.00	6,481.00	6,124.67	192.78	35.44	72.17	11,041.79	2,778.06	574.17	411.73	162.43	3.535	
17,000.00	6,227.00	6,497.58	6,136.08	194.51	35.45	73.38	11,053.46	2,775.18	525.73	346.96	178.77	2.941	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - NORTH PLATTE T34-P31-13HNB - OWB - FINAL SURVEY												Offset Site Error: 0.00 usft	
Survey Program: 17-MWD OWSG												Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
17,100.00	6,227.00	6,538.91	6,162.54	196.24	35.45	76.32	11,084.65	2,769.34	488.60	295.51	193.09	2.530	
17,200.00	6,227.00	6,617.04	6,211.25	197.97	35.42	82.15	11,144.92	2,759.39	459.79	256.43	203.37	2.261	
17,300.00	6,227.00	6,663.61	6,238.74	199.70	35.38	85.64	11,182.18	2,754.71	440.92	225.58	215.35	2.048	
17,400.00	6,227.00	6,719.94	6,266.89	201.44	35.33	89.33	11,230.89	2,752.66	434.91	211.64	223.28	1.948	
17,410.92	6,227.00	6,729.14	6,271.12	201.63	35.32	89.88	11,239.05	2,752.57	434.88	211.17	223.71	1.944 CC	
17,500.00	6,227.00	6,805.31	6,305.38	203.17	35.21	94.39	11,307.08	2,752.18	437.09	210.81	226.28	1.932	
17,600.00	6,227.00	6,910.44	6,340.95	204.90	35.06	98.97	11,405.79	2,752.55	442.82	216.42	226.40	1.956	
17,700.00	6,227.00	7,036.40	6,345.59	206.64	34.90	99.54	11,531.21	2,751.85	443.82	217.54	226.27	1.961	
17,800.00	6,227.00	7,135.13	6,342.95	208.38	34.84	99.22	11,629.89	2,750.34	443.05	214.39	228.66	1.938	
17,841.09	6,227.00	7,174.46	6,342.70	209.09	34.83	99.18	11,669.22	2,749.83	442.97	213.27	229.70	1.929	
17,900.00	6,227.00	7,231.20	6,343.04	210.11	34.83	99.23	11,725.96	2,749.23	443.12	211.97	231.14	1.917	
18,000.00	6,227.00	7,332.48	6,344.38	211.85	34.89	99.39	11,827.23	2,748.32	443.63	210.35	233.28	1.902	
18,100.00	6,227.00	7,430.01	6,345.20	213.59	35.02	99.49	11,924.75	2,747.37	443.99	208.21	235.78	1.883	
18,200.00	6,227.00	7,529.30	6,346.96	215.33	35.23	99.70	12,024.01	2,746.78	444.88	206.69	238.19	1.868	
18,300.00	6,227.00	7,628.38	6,347.69	217.07	35.54	99.77	12,123.09	2,746.49	445.90	205.13	240.77	1.852	
18,400.00	6,227.00	7,727.00	6,346.65	218.81	35.95	99.61	12,221.70	2,746.88	447.29	203.71	243.58	1.836	
18,500.00	6,227.00	7,834.39	6,344.41	220.55	36.53	99.30	12,329.06	2,746.64	447.91	201.77	246.14	1.820	
18,600.00	6,227.00	7,934.68	6,344.56	222.29	37.21	99.33	12,429.34	2,745.19	447.70	198.77	248.92	1.799	
18,700.00	6,227.00	8,035.84	6,344.26	224.03	38.02	99.30	12,530.49	2,743.59	447.26	195.51	251.75	1.777	
18,800.00	6,227.00	8,134.99	6,345.47	225.78	38.92	99.47	12,629.61	2,741.69	446.76	192.15	254.61	1.755	
18,900.00	6,227.00	8,241.81	6,345.65	227.52	39.99	99.50	12,736.41	2,739.90	446.36	189.10	257.25	1.735	
19,000.00	6,227.00	8,345.09	6,346.28	229.26	41.12	99.65	12,839.58	2,735.24	443.16	183.14	260.02	1.704	
19,100.00	6,227.00	8,436.60	6,346.78	231.01	42.18	99.75	12,931.05	2,732.66	441.64	178.24	263.40	1.677	
19,200.00	6,227.00	8,538.25	6,348.00	232.75	43.40	99.92	13,032.68	2,730.77	441.20	174.89	266.31	1.657	
19,300.00	6,227.00	8,643.68	6,349.37	234.50	44.73	100.14	13,138.04	2,727.33	439.39	170.35	269.05	1.633	
19,400.00	6,227.00	8,735.12	6,349.73	236.25	45.92	100.23	13,229.43	2,724.60	437.73	165.25	272.48	1.606	
19,411.91	6,227.00	8,745.54	6,349.97	236.45	46.06	100.26	13,239.85	2,724.42	437.71	164.83	272.89	1.604	
19,500.00	6,227.00	8,829.01	6,352.33	237.99	47.16	100.56	13,323.28	2,723.58	438.33	162.73	275.60	1.590	
19,600.00	6,227.00	8,926.31	6,353.52	239.74	48.46	100.69	13,420.57	2,723.56	439.71	160.96	278.75	1.577	
19,700.00	6,227.00	9,042.03	6,352.86	241.49	50.05	100.59	13,536.27	2,722.71	440.13	158.60	281.53	1.563	
19,800.00	6,227.00	9,146.15	6,352.38	243.24	51.55	100.59	13,640.32	2,718.89	437.62	153.03	284.59	1.538	
19,900.00	6,227.00	9,237.54	6,351.92	244.98	52.88	100.57	13,731.67	2,716.19	435.80	147.60	288.19	1.512	
20,000.00	6,227.00	9,335.89	6,351.42	246.73	54.32	100.52	13,830.00	2,714.37	435.06	143.52	291.54	1.492 Level 3	
20,029.51	6,227.00	9,363.26	6,351.14	247.25	54.72	100.48	13,857.37	2,714.02	434.99	142.39	292.60	1.487 Level 3	
20,100.00	6,227.00	9,429.31	6,350.34	248.48	55.69	100.37	13,923.41	2,713.77	435.40	140.30	295.10	1.475 Level 3	
20,200.00	6,227.00	9,531.09	6,349.29	250.23	57.20	100.21	14,025.19	2,713.54	436.17	137.71	298.46	1.461 Level 3	
20,300.00	6,227.00	9,629.21	6,349.73	251.98	58.68	100.25	14,123.30	2,713.03	436.91	135.15	301.77	1.448 Level 3	
20,400.00	6,227.00	9,723.18	6,349.93	253.73	60.09	100.24	14,217.27	2,713.49	438.62	133.45	305.16	1.437 Level 3	
20,500.00	6,227.00	9,817.48	6,351.07	255.49	61.52	100.32	14,311.55	2,715.23	441.82	133.38	308.44	1.432 Level 3	
20,600.00	6,227.00	9,918.36	6,352.48	257.24	63.05	100.42	14,412.39	2,717.39	445.36	133.68	311.67	1.429 Level 3	
20,700.00	6,227.00	10,016.29	6,352.64	258.99	64.55	100.35	14,510.29	2,719.83	449.01	133.97	315.04	1.425 Level 3	
20,800.00	6,227.00	10,120.10	6,350.50	260.74	66.15	99.98	14,614.01	2,723.26	453.11	134.44	318.67	1.422 Level 3	
20,900.00	6,227.00	10,229.24	6,347.82	262.49	67.86	99.60	14,723.12	2,724.14	454.61	132.37	322.24	1.411 Level 3	
21,000.00	6,227.00	10,329.05	6,348.45	264.25	69.45	99.66	14,822.92	2,723.97	455.74	130.17	325.56	1.400 Level 3	
21,100.00	6,227.00	10,429.26	6,349.79	266.00	71.05	99.80	14,923.12	2,723.67	456.84	128.03	328.82	1.389 Level 3	
21,200.00	6,227.00	10,525.55	6,348.13	267.75	72.59	99.57	15,019.39	2,724.12	458.20	125.78	332.42	1.378 Level 3	
21,300.00	6,227.00	10,632.02	6,343.21	269.51	74.30	98.91	15,125.73	2,725.31	459.77	123.53	336.24	1.367 Level 3	
21,400.00	6,227.00	10,738.88	6,341.92	271.26	76.04	98.75	15,232.55	2,723.92	459.49	119.88	339.61	1.353 Level 3	
21,500.00	6,227.00	10,840.65	6,342.73	273.02	77.72	98.88	15,334.29	2,721.32	458.27	115.39	342.87	1.337 Level 3	
21,600.00	6,227.00	10,936.00	6,343.74	274.77	79.29	99.02	15,429.60	2,719.22	457.43	111.14	346.30	1.321 Level 3	
21,668.07	6,227.00	11,002.52	6,344.32	275.97	80.38	99.10	15,496.11	2,718.21	457.32	108.72	348.59	1.312 Level 3	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 13-T5N-R63W - NORTH PLATTE T34-P31-13HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 17-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,700.00	6,227.00	11,034.27	6,344.14	276.53	80.91	99.08	15,527.86	2,717.88	457.33	107.63	349.71	1.308	Level 3
21,800.00	6,227.00	11,136.16	6,344.88	278.28	82.59	99.17	15,629.73	2,716.28	457.09	104.08	353.01	1.295	Level 3
21,896.73	6,227.00	11,231.18	6,344.54	279.98	84.17	99.14	15,724.74	2,715.00	456.89	100.50	356.39	1.282	Level 3
21,900.00	6,227.00	11,234.37	6,344.48	280.04	84.22	99.13	15,727.93	2,714.97	456.89	100.39	356.50	1.282	Level 3, ES, SF
22,000.00	6,227.00	11,240.00	6,344.36	281.80	84.31	99.11	15,733.56	2,714.93	466.55	111.90	354.65	1.316	Level 3
22,085.16	6,227.00	11,240.00	6,344.36	283.29	84.31	99.11	15,733.56	2,714.93	490.92	148.63	342.29	1.434	Level 3

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - ABND VERT MONAHAN FARR 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-GYRO-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
3,200.00	3,023.55	3,061.55	3,061.55	20.35	10.54	-68.20	9,765.96	3,614.69	10,016.30	9,986.41	29.90	335.046		
3,300.00	3,114.70	3,152.70	3,152.70	21.21	10.86	-68.40	9,765.96	3,614.69	9,999.84	9,968.80	31.04	322.210		
3,400.00	3,205.84	3,243.84	3,243.84	22.06	11.18	-68.60	9,765.96	3,614.69	9,983.52	9,951.34	32.18	310.262		
3,500.00	3,296.99	3,334.99	3,334.99	22.92	11.50	-68.81	9,765.96	3,614.69	9,967.34	9,934.02	33.32	299.114		
3,600.00	3,388.13	3,426.13	3,426.13	23.77	11.82	-69.01	9,765.96	3,614.69	9,951.31	9,916.84	34.47	288.689		
3,700.00	3,479.28	3,517.28	3,517.28	24.63	12.14	-69.21	9,765.96	3,614.69	9,935.42	9,899.80	35.62	278.922		
3,800.00	3,570.42	3,608.42	3,608.42	25.48	12.46	-69.42	9,765.96	3,614.69	9,919.68	9,882.90	36.77	269.753		
3,900.00	3,661.57	3,699.57	3,699.57	26.34	12.78	-69.63	9,765.96	3,614.69	9,904.08	9,866.15	37.93	261.129		
4,000.00	3,752.71	3,790.71	3,790.71	27.20	13.10	-69.83	9,765.96	3,614.69	9,888.63	9,849.54	39.08	253.005		
4,100.00	3,843.86	3,881.86	3,881.86	28.05	13.42	-70.04	9,765.96	3,614.69	9,873.32	9,833.08	40.24	245.338		
4,200.00	3,935.00	3,973.00	3,973.00	28.91	13.74	-70.25	9,765.96	3,614.69	9,858.17	9,816.76	41.40	238.093		
4,300.00	4,026.15	4,064.15	4,064.15	29.77	14.06	-70.45	9,765.96	3,614.69	9,843.16	9,800.59	42.57	231.235		
4,400.00	4,117.29	4,155.29	4,155.29	30.63	14.38	-70.66	9,765.96	3,614.69	9,828.30	9,784.57	43.73	224.736		
4,500.00	4,208.44	4,246.44	4,246.44	31.49	14.70	-70.87	9,765.96	3,614.69	9,813.59	9,768.70	44.90	218.568		
4,600.00	4,299.58	4,337.58	4,337.58	32.35	15.02	-71.08	9,765.96	3,614.69	9,799.04	9,752.97	46.07	212.708		
4,700.00	4,390.73	4,428.73	4,428.73	33.21	15.34	-71.29	9,765.96	3,614.69	9,784.63	9,737.39	47.24	207.133		
4,800.00	4,481.88	4,519.88	4,519.88	34.07	15.66	-71.50	9,765.96	3,614.69	9,770.38	9,721.97	48.41	201.823		
4,900.00	4,573.02	4,611.02	4,611.02	34.93	15.98	-71.71	9,765.96	3,614.69	9,756.28	9,706.69	49.58	196.761		
5,000.00	4,664.17	4,702.17	4,702.17	35.79	16.29	-71.92	9,765.96	3,614.69	9,742.33	9,691.57	50.76	191.929		
5,100.00	4,755.31	4,793.31	4,793.31	36.65	16.61	-72.13	9,765.96	3,614.69	9,728.53	9,676.60	51.94	187.314		
5,200.00	4,846.46	4,884.46	4,884.46	37.51	16.93	-72.35	9,765.96	3,614.69	9,714.89	9,661.78	53.12	182.900		
5,300.00	4,937.60	4,975.60	4,975.60	38.37	17.25	-72.56	9,765.96	3,614.69	9,701.41	9,647.11	54.30	178.676		
5,400.00	5,028.75	5,066.75	5,066.75	39.23	17.57	-72.77	9,765.96	3,614.69	9,688.08	9,632.60	55.48	174.630		
5,500.00	5,119.89	5,157.89	5,157.89	40.09	17.89	-72.99	9,765.96	3,614.69	9,674.91	9,618.25	56.66	170.751		
5,600.00	5,211.04	5,249.04	5,249.04	40.96	18.21	-73.20	9,765.96	3,614.69	9,661.90	9,604.05	57.85	167.029		
5,700.00	5,302.18	5,340.18	5,340.18	41.82	18.53	-73.42	9,765.96	3,614.69	9,649.04	9,590.01	59.03	163.456		
5,800.00	5,393.33	5,431.33	5,431.33	42.68	18.85	-73.63	9,765.96	3,614.69	9,636.34	9,576.12	60.22	160.022		
5,900.00	5,484.47	5,522.47	5,522.47	43.54	19.17	-73.85	9,765.96	3,614.69	9,623.80	9,562.39	61.41	156.720		
6,000.00	5,575.62	5,613.62	5,613.62	44.40	19.49	-74.06	9,765.96	3,614.69	9,611.42	9,548.83	62.60	153.544		
6,100.00	5,666.76	5,704.76	5,704.76	45.26	19.81	-74.28	9,765.96	3,614.69	9,599.20	9,535.42	63.79	150.485		
6,175.79	5,735.84	5,773.84	5,773.84	45.92	20.05	-74.45	9,765.96	3,614.69	9,590.05	9,525.36	64.69	148.242		
6,200.00	5,757.87	5,795.87	5,795.87	46.13	20.13	-69.23	9,765.96	3,614.69	9,586.64	9,521.66	64.98	147.534		
6,250.00	5,803.02	5,841.02	5,841.02	46.56	20.29	-59.21	9,765.96	3,614.69	9,576.48	9,510.92	65.56	146.075		
6,300.00	5,847.42	5,885.42	5,885.42	46.99	20.44	-50.54	9,765.96	3,614.69	9,562.16	9,496.05	66.12	144.628		
6,350.00	5,890.72	5,928.72	5,928.72	47.41	20.60	-43.29	9,765.96	3,614.69	9,543.79	9,477.15	66.64	143.204		
6,400.00	5,932.60	5,970.60	5,970.60	47.83	20.74	-37.29	9,765.96	3,614.69	9,521.51	9,454.37	67.14	141.813		
6,450.00	5,972.74	6,010.74	6,010.74	48.23	20.88	-32.32	9,765.96	3,614.69	9,495.47	9,427.87	67.60	140.461		
6,500.00	6,010.83	6,048.83	6,048.83	48.61	21.02	-28.13	9,765.96	3,614.69	9,465.88	9,397.85	68.02	139.153		
6,550.00	6,046.58	6,084.58	6,084.58	48.98	21.14	-24.51	9,765.96	3,614.69	9,432.94	9,364.53	68.41	137.895		
6,600.00	6,079.73	6,117.73	6,117.73	49.33	21.26	-21.26	9,765.96	3,614.69	9,396.91	9,328.16	68.75	136.692		
6,650.00	6,110.01	6,148.01	6,148.01	49.67	21.36	-18.19	9,765.96	3,614.69	9,358.05	9,289.01	69.04	135.546		
6,700.00	6,137.21	6,175.21	6,175.21	49.98	21.46	-15.09	9,765.96	3,614.69	9,316.65	9,247.36	69.29	134.462		
6,750.00	6,161.10	6,199.10	6,199.10	50.28	21.54	-11.68	9,765.96	3,614.69	9,273.03	9,203.54	69.49	133.443		
6,800.00	6,181.52	6,219.52	6,219.52	50.55	21.62	-7.51	9,765.96	3,614.69	9,227.52	9,157.87	69.65	132.491		
6,850.00	6,198.29	6,236.29	6,236.29	50.81	21.67	-1.75	9,765.96	3,614.69	9,180.45	9,110.70	69.76	131.608		
6,900.00	6,211.31	6,249.31	6,249.31	51.05	21.72	7.48	9,765.96	3,614.69	9,132.20	9,062.38	69.82	130.797		
6,950.00	6,220.46	6,258.46	6,258.46	51.27	21.75	24.74	9,765.96	3,614.69	9,083.11	9,013.28	69.84	130.059		
7,000.00	6,225.68	6,263.68	6,263.68	51.47	21.77	57.84	9,765.96	3,614.69	9,033.58	8,963.77	69.81	129.396		
7,040.67	6,227.00	6,265.00	6,265.00	51.63	21.77	90.00	9,765.96	3,614.69	8,993.22	8,923.45	69.76	128.911		
7,100.00	6,227.00	6,265.00	6,265.00	51.85	21.77	90.00	9,765.96	3,614.69	8,934.41	8,864.74	69.67	128.241		
7,200.00	6,227.00	6,265.00	6,265.00	52.25	21.77	90.00	9,765.96	3,614.69	8,835.30	8,765.80	69.51	127.111		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - ABND VERT MONAHAN FARR 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-GYRO-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,300.00	6,227.00	6,265.00	6,265.00	52.70	21.77	90.00	9,765.96	3,614.69	8,736.22	8,666.87	69.35	125.981		
7,400.00	6,227.00	6,265.00	6,265.00	53.18	21.77	90.00	9,765.96	3,614.69	8,637.15	8,567.97	69.18	124.849		
7,500.00	6,227.00	6,265.00	6,265.00	53.71	21.77	90.00	9,765.96	3,614.69	8,538.11	8,469.10	69.01	123.718		
7,600.00	6,227.00	6,265.00	6,265.00	54.28	21.77	90.00	9,765.96	3,614.69	8,439.09	8,370.25	68.84	122.585		
7,700.00	6,227.00	6,265.00	6,265.00	54.89	21.77	90.00	9,765.96	3,614.69	8,340.09	8,271.42	68.67	121.452		
7,800.00	6,227.00	6,265.00	6,265.00	55.55	21.77	90.00	9,765.96	3,614.69	8,241.12	8,172.62	68.49	120.318		
7,900.00	6,227.00	6,265.00	6,265.00	56.25	21.77	90.00	9,765.96	3,614.69	8,142.17	8,073.86	68.32	119.184		
8,000.00	6,227.00	6,265.00	6,265.00	56.99	21.77	90.00	9,765.96	3,614.69	8,043.25	7,975.11	68.14	118.049		
8,100.00	6,227.00	6,265.00	6,265.00	57.78	21.77	90.00	9,765.96	3,614.69	7,944.35	7,876.40	67.95	116.913		
8,200.00	6,227.00	6,265.00	6,265.00	58.62	21.77	90.00	9,765.96	3,614.69	7,845.49	7,777.72	67.76	115.776		
8,300.00	6,227.00	6,265.00	6,265.00	59.49	21.77	90.00	9,765.96	3,614.69	7,746.65	7,679.07	67.58	114.638		
8,400.00	6,227.00	6,265.00	6,265.00	60.41	21.77	90.00	9,765.96	3,614.69	7,647.84	7,580.46	67.38	113.499		
8,500.00	6,227.00	6,265.00	6,265.00	61.37	21.77	90.00	9,765.96	3,614.69	7,549.07	7,481.88	67.19	112.358		
8,600.00	6,227.00	6,265.00	6,265.00	62.37	21.77	90.00	9,765.96	3,614.69	7,450.32	7,383.33	66.99	111.217		
8,700.00	6,227.00	6,265.00	6,265.00	63.41	21.77	90.00	9,765.96	3,614.69	7,351.61	7,284.82	66.79	110.074		
8,800.00	6,227.00	6,265.00	6,265.00	64.49	21.77	90.00	9,765.96	3,614.69	7,252.94	7,186.35	66.58	108.930		
8,900.00	6,227.00	6,265.00	6,265.00	65.60	21.77	90.00	9,765.96	3,614.69	7,154.30	7,087.92	66.38	107.785		
9,000.00	6,227.00	6,265.00	6,265.00	66.74	21.77	90.00	9,765.96	3,614.69	7,055.70	6,989.54	66.17	106.637		
9,100.00	6,227.00	6,265.00	6,265.00	67.92	21.77	90.00	9,765.96	3,614.69	6,957.14	6,891.19	65.95	105.488		
9,200.00	6,227.00	6,265.00	6,265.00	69.13	21.77	90.00	9,765.96	3,614.69	6,858.62	6,792.89	65.74	104.336		
9,300.00	6,227.00	6,265.00	6,265.00	70.37	21.77	90.00	9,765.96	3,614.69	6,760.15	6,694.63	65.52	103.182		
9,400.00	6,227.00	6,265.00	6,265.00	71.63	21.77	90.00	9,765.96	3,614.69	6,661.72	6,596.43	65.29	102.025		
9,500.00	6,227.00	6,265.00	6,265.00	72.92	21.77	90.00	9,765.96	3,614.69	6,563.34	6,498.27	65.07	100.866		
9,600.00	6,227.00	6,265.00	6,265.00	74.23	21.77	90.00	9,765.96	3,614.69	6,465.01	6,400.17	64.84	99.703		
9,700.00	6,227.00	6,265.00	6,265.00	75.57	21.77	90.00	9,765.96	3,614.69	6,366.73	6,302.12	64.61	98.537		
9,800.00	6,227.00	6,265.00	6,265.00	76.93	21.77	90.00	9,765.96	3,614.69	6,268.51	6,204.13	64.38	97.367		
9,900.00	6,227.00	6,265.00	6,265.00	78.31	21.77	90.00	9,765.96	3,614.69	6,170.34	6,106.19	64.15	96.192		
10,000.00	6,227.00	6,265.00	6,265.00	79.71	21.77	90.00	9,765.96	3,614.69	6,072.23	6,008.32	63.91	95.013		
10,100.00	6,227.00	6,265.00	6,265.00	81.12	21.77	90.00	9,765.96	3,614.69	5,974.18	5,910.51	63.67	93.828		
10,200.00	6,227.00	6,265.00	6,265.00	82.55	21.77	90.00	9,765.96	3,614.69	5,876.20	5,812.77	63.43	92.638		
10,300.00	6,227.00	6,265.00	6,265.00	84.00	21.77	90.00	9,765.96	3,614.69	5,778.29	5,715.10	63.19	91.440		
10,400.00	6,227.00	6,265.00	6,265.00	85.46	21.77	90.00	9,765.96	3,614.69	5,680.46	5,617.51	62.95	90.235		
10,500.00	6,227.00	6,265.00	6,265.00	86.94	21.77	90.00	9,765.96	3,614.69	5,582.70	5,519.99	62.71	89.022		
10,600.00	6,227.00	6,265.00	6,265.00	88.43	21.77	90.00	9,765.96	3,614.69	5,485.02	5,422.54	62.47	87.800		
10,700.00	6,227.00	6,265.00	6,265.00	89.93	21.77	90.00	9,765.96	3,614.69	5,387.42	5,325.19	62.23	86.568		
10,800.00	6,227.00	6,265.00	6,265.00	91.44	21.77	90.00	9,765.96	3,614.69	5,289.92	5,227.92	62.00	85.324		
10,900.00	6,227.00	6,265.00	6,265.00	92.96	21.77	90.00	9,765.96	3,614.69	5,192.51	5,130.74	61.77	84.067		
11,000.00	6,227.00	6,265.00	6,265.00	94.50	21.77	90.00	9,765.96	3,614.69	5,095.20	5,033.66	61.54	82.797		
11,100.00	6,227.00	6,265.00	6,265.00	96.04	21.77	90.00	9,765.96	3,614.69	4,997.99	4,936.68	61.32	81.511		
11,200.00	6,227.00	6,265.00	6,265.00	97.59	21.77	90.00	9,765.96	3,614.69	4,900.90	4,839.80	61.10	80.207		
11,300.00	6,227.00	6,265.00	6,265.00	99.15	21.77	90.00	9,765.96	3,614.69	4,803.93	4,743.03	60.90	78.884		
11,400.00	6,227.00	6,265.00	6,265.00	100.72	21.77	90.00	9,765.96	3,614.69	4,707.09	4,646.38	60.71	77.540		
11,500.00	6,227.00	6,265.00	6,265.00	102.30	21.77	90.00	9,765.96	3,614.69	4,610.37	4,549.85	60.53	76.172		
11,600.00	6,227.00	6,265.00	6,265.00	103.88	21.77	90.00	9,765.96	3,614.69	4,513.81	4,453.45	60.36	74.778		
11,700.00	6,227.00	6,265.00	6,265.00	105.47	21.77	90.00	9,765.96	3,614.69	4,417.39	4,357.17	60.22	73.355		
11,743.45	6,227.00	6,265.00	6,265.00	106.17	21.77	90.00	9,765.96	3,614.69	4,375.55	4,315.39	60.16	72.727		
11,808.25	6,227.00	6,265.00	6,265.00	107.20	21.77	90.00	9,765.96	3,614.69	4,313.42	4,253.33	60.09	71.784		
11,900.00	6,227.00	6,265.00	6,265.00	108.66	21.77	90.00	9,765.96	3,614.69	4,225.88	4,165.88	60.00	70.426		
12,000.00	6,227.00	6,265.00	6,265.00	110.26	21.77	90.00	9,765.96	3,614.69	4,130.69	4,070.74	59.95	68.903		
12,100.00	6,227.00	6,265.00	6,265.00	111.86	21.77	90.00	9,765.96	3,614.69	4,035.72	3,975.78	59.94	67.331		
12,200.00	6,227.00	6,265.00	6,265.00	113.47	21.77	90.00	9,765.96	3,614.69	3,941.00	3,881.03	59.98	65.708		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - ABND VERT MONAHAN FARR 1 - OWB - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-GYRO-MWD													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,300.00	6,227.00	6,265.00	6,265.00	115.08	21.77	90.00	9,765.96	3,614.69	3,846.56	3,786.48	60.08	64.029		
12,400.00	6,227.00	6,265.00	6,265.00	116.70	21.77	90.00	9,765.96	3,614.69	3,752.40	3,692.16	60.24	62.292		
12,500.00	6,227.00	6,265.00	6,265.00	118.33	21.77	90.00	9,765.96	3,614.69	3,658.55	3,598.07	60.48	60.495		
12,600.00	6,227.00	6,265.00	6,265.00	119.96	21.77	90.00	9,765.96	3,614.69	3,565.03	3,504.23	60.80	58.634		
12,700.00	6,227.00	6,265.00	6,265.00	121.60	21.77	90.00	9,765.96	3,614.69	3,471.88	3,410.65	61.22	56.711		
12,800.00	6,227.00	6,265.00	6,265.00	123.24	21.77	90.00	9,765.96	3,614.69	3,379.11	3,317.36	61.75	54.724		
12,900.00	6,227.00	6,265.00	6,265.00	124.88	21.77	90.00	9,765.96	3,614.69	3,286.77	3,224.38	62.40	52.676		
13,000.00	6,227.00	6,265.00	6,265.00	126.53	21.77	90.00	9,765.96	3,614.69	3,194.90	3,131.72	63.18	50.571		
13,100.00	6,227.00	6,265.00	6,265.00	128.18	21.77	90.00	9,765.96	3,614.69	3,103.52	3,039.42	64.11	48.413		
13,200.00	6,227.00	6,265.00	6,265.00	129.84	21.77	90.00	9,765.96	3,614.69	3,012.69	2,947.50	65.20	46.210		
13,300.00	6,227.00	6,265.00	6,265.00	131.50	21.77	90.00	9,765.96	3,614.69	2,922.47	2,856.00	66.46	43.971		
13,400.00	6,227.00	6,265.00	6,265.00	133.16	21.77	90.00	9,765.96	3,614.69	2,832.89	2,764.97	67.92	41.706		
13,500.00	6,227.00	6,265.00	6,265.00	134.83	21.77	90.00	9,765.96	3,614.69	2,744.04	2,674.45	69.60	39.428		
13,600.00	6,227.00	6,265.00	6,265.00	136.50	21.77	90.00	9,765.96	3,614.69	2,655.98	2,584.49	71.49	37.150		
13,700.00	6,227.00	6,265.00	6,265.00	138.17	21.77	90.00	9,765.96	3,614.69	2,568.80	2,495.16	73.64	34.885		
13,800.00	6,227.00	6,265.00	6,265.00	139.85	21.77	90.00	9,765.96	3,614.69	2,482.58	2,406.54	76.04	32.647		
13,900.00	6,227.00	6,265.00	6,265.00	141.53	21.77	90.00	9,765.96	3,614.69	2,397.43	2,318.70	78.73	30.451		
14,000.00	6,227.00	6,265.00	6,265.00	143.21	21.77	90.00	9,765.96	3,614.69	2,313.48	2,231.76	81.72	28.311		
14,100.00	6,227.00	6,265.00	6,265.00	144.89	21.77	90.00	9,765.96	3,614.69	2,230.84	2,145.82	85.02	26.238		
14,200.00	6,227.00	6,265.00	6,265.00	146.58	21.77	90.00	9,765.96	3,614.69	2,149.68	2,061.01	88.67	24.243		
14,300.00	6,227.00	6,265.00	6,265.00	148.26	21.77	90.00	9,765.96	3,614.69	2,070.17	1,977.50	92.68	22.338		
14,400.00	6,227.00	6,265.00	6,265.00	149.96	21.77	90.00	9,765.96	3,614.69	1,992.51	1,895.45	97.06	20.530		
14,500.00	6,227.00	6,265.00	6,265.00	151.65	21.77	90.00	9,765.96	3,614.69	1,916.92	1,815.09	101.83	18.825		
14,600.00	6,227.00	6,265.00	6,265.00	153.34	21.77	90.00	9,765.96	3,614.69	1,843.65	1,736.65	107.00	17.230		
14,700.00	6,227.00	6,265.00	6,265.00	155.04	21.77	90.00	9,765.96	3,614.69	1,773.00	1,660.41	112.59	15.748		
14,800.00	6,227.00	6,265.00	6,265.00	156.74	21.77	90.00	9,765.96	3,614.69	1,705.29	1,586.71	118.58	14.381		
14,900.00	6,227.00	6,265.00	6,265.00	158.44	21.77	90.00	9,765.96	3,614.69	1,640.88	1,515.91	124.97	13.130		
15,000.00	6,227.00	6,265.00	6,265.00	160.14	21.77	90.00	9,765.96	3,614.69	1,580.18	1,448.45	131.73	11.995		
15,100.00	6,227.00	6,265.00	6,265.00	161.85	21.77	90.00	9,765.96	3,614.69	1,523.63	1,384.82	138.82	10.976		
15,200.00	6,227.00	6,265.00	6,265.00	163.56	21.77	90.00	9,765.96	3,614.69	1,471.71	1,325.56	146.15	10.070		
15,300.00	6,227.00	6,265.00	6,265.00	165.26	21.77	90.00	9,765.96	3,614.69	1,424.93	1,271.29	153.64	9.275		
15,400.00	6,227.00	6,265.00	6,265.00	166.97	21.77	90.00	9,765.96	3,614.69	1,383.80	1,222.65	161.15	8.587		
15,500.00	6,227.00	6,265.00	6,265.00	168.68	21.77	90.00	9,765.96	3,614.69	1,348.84	1,180.31	168.53	8.003		
15,600.00	6,227.00	6,265.00	6,265.00	170.40	21.77	90.00	9,765.96	3,614.69	1,320.55	1,144.94	175.61	7.520		
15,700.00	6,227.00	6,265.00	6,265.00	172.11	21.77	90.00	9,765.96	3,614.69	1,299.36	1,117.17	182.19	7.132		
15,800.00	6,227.00	6,265.00	6,265.00	173.83	21.77	90.00	9,765.96	3,614.69	1,285.62	1,097.52	188.10	6.835		
15,900.00	6,227.00	6,265.00	6,265.00	175.54	21.77	90.00	9,765.96	3,614.69	1,279.57	1,086.40	193.17	6.624		
15,927.60	6,227.00	6,265.00	6,265.00	176.02	21.77	90.00	9,765.96	3,614.69	1,279.27	1,084.87	194.40	6.581 CC		
16,000.00	6,227.00	6,265.00	6,265.00	177.26	21.77	90.00	9,765.96	3,614.69	1,281.32	1,084.05	197.27	6.495 ES		
16,100.00	6,227.00	6,265.00	6,265.00	178.98	21.77	90.00	9,765.96	3,614.69	1,290.84	1,090.50	200.34	6.443 SF		
16,200.00	6,227.00	6,265.00	6,265.00	180.70	21.77	90.00	9,765.96	3,614.69	1,307.95	1,105.59	202.36	6.463		
16,300.00	6,227.00	6,265.00	6,265.00	182.42	21.77	90.00	9,765.96	3,614.69	1,332.37	1,128.99	203.38	6.551		
16,400.00	6,227.00	6,265.00	6,265.00	184.15	21.77	90.00	9,765.96	3,614.69	1,363.71	1,160.22	203.49	6.702		
16,500.00	6,227.00	6,265.00	6,265.00	185.87	21.77	90.00	9,765.96	3,614.69	1,401.49	1,198.70	202.79	6.911		
16,600.00	6,227.00	6,265.00	6,265.00	187.60	21.77	90.00	9,765.96	3,614.69	1,445.22	1,243.79	201.43	7.175		
16,700.00	6,227.00	6,265.00	6,265.00	189.32	21.77	90.00	9,765.96	3,614.69	1,494.37	1,294.84	199.53	7.489		
16,800.00	6,227.00	6,265.00	6,265.00	191.05	21.77	90.00	9,765.96	3,614.69	1,548.43	1,351.19	197.23	7.851		
16,900.00	6,227.00	6,265.00	6,265.00	192.78	21.77	90.00	9,765.96	3,614.69	1,606.89	1,412.25	194.64	8.256		
17,000.00	6,227.00	6,265.00	6,265.00	194.51	21.77	90.00	9,765.96	3,614.69	1,669.31	1,477.45	191.85	8.701		
17,100.00	6,227.00	6,265.00	6,265.00	196.24	21.77	90.00	9,765.96	3,614.69	1,735.24	1,546.29	188.95	9.184		
17,200.00	6,227.00	6,265.00	6,265.00	197.97	21.77	90.00	9,765.96	3,614.69	1,804.31	1,618.32	186.00	9.701		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - ABND VERT MONAHAN FARR 1 - OWB - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-GYRO-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
17,300.00	6,227.00	6,265.00	6,265.00	199.70	21.77	90.00	9,765.96	3,614.69	1,876.17	1,693.13	183.04	10.250	
17,400.00	6,227.00	6,265.00	6,265.00	201.44	21.77	90.00	9,765.96	3,614.69	1,950.51	1,770.39	180.12	10.829	
17,500.00	6,227.00	6,265.00	6,265.00	203.17	21.77	90.00	9,765.96	3,614.69	2,027.06	1,849.80	177.26	11.436	
17,600.00	6,227.00	6,265.00	6,265.00	204.90	21.77	90.00	9,765.96	3,614.69	2,105.58	1,931.10	174.48	12.068	
17,700.00	6,227.00	6,265.00	6,265.00	206.64	21.77	90.00	9,765.96	3,614.69	2,185.85	2,014.06	171.80	12.724	
17,800.00	6,227.00	6,265.00	6,265.00	208.38	21.77	90.00	9,765.96	3,614.69	2,267.69	2,098.48	169.21	13.402	
17,900.00	6,227.00	6,265.00	6,265.00	210.11	21.77	90.00	9,765.96	3,614.69	2,350.94	2,184.21	166.73	14.100	
18,000.00	6,227.00	6,265.00	6,265.00	211.85	21.77	90.00	9,765.96	3,614.69	2,435.44	2,271.08	164.36	14.818	
18,100.00	6,227.00	6,265.00	6,265.00	213.59	21.77	90.00	9,765.96	3,614.69	2,521.09	2,358.99	162.10	15.553	
18,200.00	6,227.00	6,265.00	6,265.00	215.33	21.77	90.00	9,765.96	3,614.69	2,607.75	2,447.81	159.94	16.305	
18,300.00	6,227.00	6,265.00	6,265.00	217.07	21.77	90.00	9,765.96	3,614.69	2,695.34	2,537.46	157.88	17.072	
18,400.00	6,227.00	6,265.00	6,265.00	218.81	21.77	90.00	9,765.96	3,614.69	2,783.76	2,627.84	155.92	17.854	
18,500.00	6,227.00	6,265.00	6,265.00	220.55	21.77	90.00	9,765.96	3,614.69	2,872.94	2,718.89	154.05	18.650	
18,600.00	6,227.00	6,265.00	6,265.00	222.29	21.77	90.00	9,765.96	3,614.69	2,962.82	2,810.55	152.27	19.458	
18,700.00	6,227.00	6,265.00	6,265.00	224.03	21.77	90.00	9,765.96	3,614.69	3,053.32	2,902.74	150.58	20.277	
18,800.00	6,227.00	6,265.00	6,265.00	225.78	21.77	90.00	9,765.96	3,614.69	3,144.40	2,995.43	148.97	21.108	
18,900.00	6,227.00	6,265.00	6,265.00	227.52	21.77	90.00	9,765.96	3,614.69	3,236.00	3,088.57	147.43	21.949	
19,000.00	6,227.00	6,265.00	6,265.00	229.26	21.77	90.00	9,765.96	3,614.69	3,328.09	3,182.12	145.97	22.800	
19,100.00	6,227.00	6,265.00	6,265.00	231.01	21.77	90.00	9,765.96	3,614.69	3,420.63	3,276.05	144.58	23.660	
19,200.00	6,227.00	6,265.00	6,265.00	232.75	21.77	90.00	9,765.96	3,614.69	3,513.57	3,370.32	143.25	24.528	
19,300.00	6,227.00	6,265.00	6,265.00	234.50	21.77	90.00	9,765.96	3,614.69	3,606.89	3,464.91	141.98	25.405	
19,400.00	6,227.00	6,265.00	6,265.00	236.25	21.77	90.00	9,765.96	3,614.69	3,700.56	3,559.79	140.77	26.288	
19,500.00	6,227.00	6,265.00	6,265.00	237.99	21.77	90.00	9,765.96	3,614.69	3,794.55	3,654.94	139.61	27.179	
19,600.00	6,227.00	6,265.00	6,265.00	239.74	21.77	90.00	9,765.96	3,614.69	3,888.84	3,750.33	138.51	28.077	
19,700.00	6,227.00	6,265.00	6,265.00	241.49	21.77	90.00	9,765.96	3,614.69	3,983.41	3,845.96	137.45	28.980	
19,800.00	6,227.00	6,265.00	6,265.00	243.24	21.77	90.00	9,765.96	3,614.69	4,078.24	3,941.80	136.44	29.890	
19,900.00	6,227.00	6,265.00	6,265.00	244.98	21.77	90.00	9,765.96	3,614.69	4,173.31	4,037.83	135.48	30.805	
20,000.00	6,227.00	6,265.00	6,265.00	246.73	21.77	90.00	9,765.96	3,614.69	4,268.61	4,134.06	134.55	31.725	
20,100.00	6,227.00	6,265.00	6,265.00	248.48	21.77	90.00	9,765.96	3,614.69	4,364.11	4,230.45	133.67	32.650	
20,200.00	6,227.00	6,265.00	6,265.00	250.23	21.77	90.00	9,765.96	3,614.69	4,459.82	4,327.00	132.82	33.579	
20,300.00	6,227.00	6,265.00	6,265.00	251.98	21.77	90.00	9,765.96	3,614.69	4,555.70	4,423.70	132.00	34.513	
20,400.00	6,227.00	6,265.00	6,265.00	253.73	21.77	90.00	9,765.96	3,614.69	4,651.77	4,520.55	131.22	35.451	
20,500.00	6,227.00	6,265.00	6,265.00	255.49	21.77	90.00	9,765.96	3,614.69	4,747.99	4,617.52	130.47	36.392	
20,600.00	6,227.00	6,265.00	6,265.00	257.24	21.77	90.00	9,765.96	3,614.69	4,844.37	4,714.62	129.75	37.337	
20,700.00	6,227.00	6,265.00	6,265.00	258.99	21.77	90.00	9,765.96	3,614.69	4,940.89	4,811.83	129.05	38.286	
20,800.00	6,227.00	6,265.00	6,265.00	260.74	21.77	90.00	9,765.96	3,614.69	5,037.54	4,909.16	128.39	39.237	
20,900.00	6,227.00	6,265.00	6,265.00	262.49	21.77	90.00	9,765.96	3,614.69	5,134.33	5,006.58	127.75	40.192	
21,000.00	6,227.00	6,265.00	6,265.00	264.25	21.77	90.00	9,765.96	3,614.69	5,231.23	5,104.11	127.13	41.149	
21,100.00	6,227.00	6,265.00	6,265.00	266.00	21.77	90.00	9,765.96	3,614.69	5,328.25	5,201.72	126.53	42.109	
21,200.00	6,227.00	6,265.00	6,265.00	267.75	21.77	90.00	9,765.96	3,614.69	5,425.38	5,299.42	125.96	43.071	
21,300.00	6,227.00	6,265.00	6,265.00	269.51	21.77	90.00	9,765.96	3,614.69	5,522.61	5,397.20	125.41	44.036	
21,400.00	6,227.00	6,265.00	6,265.00	271.26	21.77	90.00	9,765.96	3,614.69	5,619.94	5,495.06	124.88	45.003	
21,500.00	6,227.00	6,265.00	6,265.00	273.02	21.77	90.00	9,765.96	3,614.69	5,717.36	5,592.99	124.37	45.971	
21,600.00	6,227.00	6,265.00	6,265.00	274.77	21.77	90.00	9,765.96	3,614.69	5,814.87	5,690.99	123.87	46.942	
21,700.00	6,227.00	6,265.00	6,265.00	276.53	21.77	90.00	9,765.96	3,614.69	5,912.46	5,789.06	123.40	47.914	
21,800.00	6,227.00	6,265.00	6,265.00	278.28	21.77	90.00	9,765.96	3,614.69	6,010.13	5,887.19	122.94	48.888	
21,900.00	6,227.00	6,265.00	6,265.00	280.04	21.77	90.00	9,765.96	3,614.69	6,107.87	5,985.38	122.49	49.863	
22,000.00	6,227.00	6,265.00	6,265.00	281.80	21.77	90.00	9,765.96	3,614.69	6,205.69	6,083.63	122.06	50.840	
22,085.16	6,227.00	6,265.00	6,265.00	283.29	21.77	90.00	9,765.96	3,614.69	6,289.04	6,167.33	121.71	51.673	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - ABND VERT MONAHAN FEDERAL 24 (GYRO) - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,400.00	2,294.39	2,361.86	2,361.70	13.59	8.10	-70.62	9,822.98	2,866.08	10,009.88	9,988.66	21.22	471.682	
2,500.00	2,385.54	2,446.20	2,446.03	14.43	8.40	-70.82	9,822.83	2,864.94	9,994.65	9,972.33	22.32	447.701	
2,600.00	2,476.68	2,519.01	2,518.84	15.27	8.65	-70.99	9,822.86	2,864.01	9,979.76	9,956.36	23.39	426.629	
2,700.00	2,567.83	2,600.00	2,599.82	16.11	8.93	-71.18	9,822.87	2,863.19	9,965.07	9,940.58	24.49	406.875	
2,800.00	2,658.97	2,679.74	2,679.55	16.96	9.21	-71.36	9,822.96	2,862.45	9,950.64	9,925.05	25.59	388.840	
2,900.00	2,750.12	2,777.50	2,777.32	17.80	9.55	-71.59	9,823.18	2,861.57	9,936.47	9,909.72	26.75	371.394	
3,000.00	2,841.26	2,863.54	2,863.35	18.65	9.85	-71.79	9,823.27	2,860.93	9,922.39	9,894.51	27.88	355.878	
3,100.00	2,932.41	2,962.67	2,962.48	19.50	10.20	-72.02	9,823.50	2,859.91	9,908.51	9,879.45	29.06	341.010	
3,200.00	3,023.55	3,056.30	3,056.10	20.35	10.53	-72.24	9,823.54	2,859.17	9,894.67	9,864.45	30.22	327.474	
3,300.00	3,114.70	3,131.53	3,131.33	21.21	10.79	-72.41	9,823.61	2,858.66	9,881.05	9,849.74	31.31	315.554	
3,400.00	3,205.84	3,200.00	3,199.80	22.06	11.03	-72.57	9,823.80	2,858.37	9,867.80	9,835.41	32.39	304.652	
3,500.00	3,296.99	3,275.19	3,274.99	22.92	11.29	-72.74	9,824.11	2,858.27	9,854.88	9,821.38	33.49	294.247	
3,600.00	3,388.13	3,394.52	3,394.31	23.77	11.70	-73.02	9,824.51	2,858.51	9,842.11	9,807.36	34.75	283.263	
3,700.00	3,479.28	3,496.80	3,496.60	24.63	12.06	-73.25	9,824.58	2,858.78	9,829.24	9,793.29	35.94	273.460	
3,800.00	3,570.42	3,563.52	3,563.31	25.48	12.29	-73.41	9,824.66	2,858.98	9,816.59	9,779.57	37.02	265.144	
3,900.00	3,661.57	3,639.48	3,639.28	26.34	12.55	-73.58	9,824.93	2,859.28	9,804.31	9,766.17	38.14	257.086	
4,000.00	3,752.71	3,746.53	3,746.32	27.20	12.92	-73.83	9,825.39	2,859.37	9,792.22	9,752.86	39.36	248.808	
4,100.00	3,843.86	3,842.95	3,842.74	28.05	13.26	-74.06	9,825.55	2,859.50	9,780.04	9,739.50	40.54	241.230	
4,200.00	3,935.00	3,914.10	3,913.90	28.91	13.51	-74.22	9,825.80	2,859.59	9,768.19	9,726.54	41.64	234.562	
4,300.00	4,026.15	4,005.09	4,004.88	29.77	13.82	-74.43	9,826.19	2,859.77	9,756.57	9,713.76	42.82	227.877	
4,400.00	4,117.29	4,103.29	4,103.08	30.63	14.16	-74.66	9,826.56	2,860.05	9,745.09	9,701.08	44.01	221.418	
4,500.00	4,208.44	4,213.13	4,212.92	31.49	14.55	-74.92	9,826.85	2,860.10	9,733.61	9,688.36	45.25	215.106	
4,600.00	4,299.58	4,291.66	4,291.45	32.35	14.82	-75.11	9,827.04	2,860.18	9,722.30	9,675.91	46.38	209.605	
4,700.00	4,390.73	4,357.66	4,357.45	33.21	15.05	-75.26	9,827.32	2,860.27	9,711.31	9,663.83	47.48	204.551	
4,800.00	4,481.88	4,487.55	4,487.34	34.07	15.50	-75.57	9,827.98	2,860.56	9,700.63	9,651.85	48.79	198.836	
4,900.00	4,573.02	4,546.64	4,546.42	34.93	15.71	-75.70	9,828.03	2,861.37	9,689.83	9,639.97	49.86	194.346	
5,000.00	4,664.17	4,600.00	4,599.78	35.79	15.89	-75.83	9,828.40	2,861.69	9,679.59	9,628.68	50.91	190.125	
5,100.00	4,755.31	4,703.85	4,703.62	36.65	16.26	-76.07	9,829.28	2,862.00	9,669.66	9,617.52	52.14	185.463	
5,200.00	4,846.46	4,858.30	4,858.07	37.51	16.79	-76.43	9,829.83	2,863.51	9,659.51	9,605.97	53.54	180.427	
5,300.00	4,937.60	4,947.00	4,946.76	38.37	17.10	-76.64	9,829.72	2,864.42	9,649.08	9,594.37	54.71	176.356	
5,400.00	5,028.75	5,053.87	5,053.63	39.23	17.48	-76.90	9,829.95	2,864.31	9,639.02	9,583.07	55.95	172.268	
5,500.00	5,119.89	5,176.20	5,175.95	40.09	17.90	-77.19	9,829.50	2,864.49	9,628.55	9,571.31	57.25	168.195	
5,600.00	5,211.04	5,293.71	5,293.46	40.96	18.31	-77.47	9,828.96	2,865.20	9,618.28	9,559.76	58.52	164.350	
5,700.00	5,302.18	5,400.00	5,399.75	41.82	18.68	-77.72	9,828.11	2,865.01	9,607.75	9,547.98	59.76	160.762	
5,800.00	5,393.33	5,451.30	5,451.05	42.68	18.86	-77.85	9,827.78	2,864.73	9,597.56	9,536.74	60.82	157.798	
5,900.00	5,484.47	5,500.00	5,499.74	43.54	19.03	-77.97	9,827.80	2,864.27	9,588.04	9,526.17	61.87	154.968	
6,000.00	5,575.62	5,543.00	5,542.74	44.40	19.18	-78.07	9,828.02	2,863.87	9,579.11	9,516.21	62.90	152.290	
6,100.00	5,666.76	5,600.00	5,599.74	45.26	19.38	-78.21	9,828.49	2,863.63	9,570.72	9,506.75	63.98	149.597	
6,175.79	5,735.84	5,776.57	5,776.29	45.92	20.00	-78.65	9,829.50	2,861.30	9,564.35	9,499.11	65.25	146.584	
6,200.00	5,757.87	5,777.74	5,777.46	46.13	20.00	-73.42	9,829.43	2,861.25	9,561.61	9,496.15	65.47	146.054	
6,250.00	5,803.02	5,833.59	5,833.30	46.56	20.20	-63.52	9,829.44	2,860.21	9,552.91	9,486.82	66.09	144.547	
6,300.00	5,847.42	5,857.76	5,857.47	46.99	20.28	-54.93	9,829.48	2,859.84	9,540.07	9,473.48	66.59	143.269	
6,350.00	5,890.72	5,900.00	5,899.70	47.41	20.43	-47.85	9,829.65	2,859.34	9,523.24	9,456.11	67.13	141.862	
6,400.00	5,932.60	5,909.04	5,908.74	47.83	20.46	-41.99	9,829.70	2,859.25	9,502.43	9,434.89	67.54	140.702	
6,450.00	5,972.74	5,954.25	5,953.95	48.23	20.62	-37.32	9,829.94	2,858.85	9,477.81	9,409.78	68.04	139.299	
6,500.00	6,010.83	5,997.18	5,996.87	48.61	20.77	-33.50	9,830.14	2,858.49	9,449.52	9,381.01	68.51	137.935	
6,550.00	6,046.58	6,027.14	6,026.83	48.98	20.87	-30.32	9,830.28	2,858.27	9,417.77	9,348.87	68.90	136.684	
6,600.00	6,079.73	6,054.25	6,053.95	49.33	20.97	-27.65	9,830.43	2,858.08	9,382.83	9,313.57	69.26	135.479	
6,650.00	6,110.01	6,079.10	6,078.79	49.67	21.06	-25.33	9,830.57	2,857.91	9,344.95	9,275.38	69.57	134.321	
6,700.00	6,137.21	6,100.00	6,099.69	49.98	21.13	-23.25	9,830.71	2,857.78	9,304.41	9,234.56	69.84	133.222	
6,750.00	6,161.10	6,100.00	6,099.69	50.28	21.13	-21.19	9,830.71	2,857.78	9,261.53	9,191.52	70.01	132.293	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - ABND VERT MONAHAN FEDERAL 24 (GYRO) - OWB - GYRO													Offset Site Error: 0.00 usft	
Survey Program: 100-GYRO-MWD													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,800.00	6,181.52	6,100.00	6,099.69	50.55	21.13	-19.04	9,830.71	2,857.78	9,216.64	9,146.50	70.14	131.400		
6,850.00	6,198.29	6,100.00	6,099.69	50.81	21.13	-16.51	9,830.71	2,857.78	9,170.06	9,099.81	70.24	130.547		
6,900.00	6,211.31	6,100.00	6,099.69	51.05	21.13	-12.91	9,830.71	2,857.78	9,122.11	9,051.80	70.31	129.735		
6,950.00	6,220.46	6,100.00	6,099.69	51.27	21.13	-6.26	9,830.71	2,857.78	9,073.15	9,002.80	70.35	128.966		
7,000.00	6,225.68	6,100.00	6,099.69	51.47	21.13	12.82	9,830.71	2,857.78	9,023.53	8,953.17	70.36	128.242		
7,040.67	6,227.00	6,100.00	6,099.69	51.63	21.13	70.63	9,830.71	2,857.78	8,982.94	8,912.59	70.35	127.687		
7,100.00	6,227.00	6,100.00	6,099.69	51.85	21.13	70.63	9,830.71	2,857.78	8,923.69	8,853.37	70.32	126.901		
7,200.00	6,227.00	6,100.00	6,099.69	52.25	21.13	70.63	9,830.71	2,857.78	8,823.82	8,753.55	70.27	125.577		
7,300.00	6,227.00	6,100.00	6,099.69	52.70	21.13	70.63	9,830.71	2,857.78	8,723.95	8,653.74	70.21	124.251		
7,400.00	6,227.00	6,100.00	6,099.69	53.18	21.13	70.63	9,830.71	2,857.78	8,624.09	8,553.93	70.16	122.925		
7,500.00	6,227.00	6,100.00	6,099.69	53.71	21.13	70.63	9,830.71	2,857.78	8,524.23	8,454.13	70.10	121.599		
7,600.00	6,227.00	6,100.00	6,099.69	54.28	21.13	70.63	9,830.71	2,857.78	8,424.37	8,354.33	70.04	120.272		
7,700.00	6,227.00	6,100.00	6,099.69	54.89	21.13	70.63	9,830.71	2,857.78	8,324.52	8,254.53	69.99	118.944		
7,800.00	6,227.00	6,100.00	6,099.69	55.55	21.13	70.63	9,830.71	2,857.78	8,224.67	8,154.74	69.93	117.616		
7,900.00	6,227.00	6,100.00	6,099.69	56.25	21.13	70.63	9,830.71	2,857.78	8,124.82	8,054.95	69.87	116.287		
8,000.00	6,227.00	6,100.00	6,099.69	56.99	21.13	70.63	9,830.71	2,857.78	8,024.98	7,955.17	69.81	114.958		
8,100.00	6,227.00	6,100.00	6,099.69	57.78	21.13	70.63	9,830.71	2,857.78	7,925.14	7,855.39	69.75	113.628		
8,200.00	6,227.00	6,100.00	6,099.69	58.62	21.13	70.63	9,830.71	2,857.78	7,825.31	7,755.62	69.68	112.298		
8,300.00	6,227.00	6,100.00	6,099.69	59.49	21.13	70.63	9,830.71	2,857.78	7,725.48	7,655.86	69.62	110.968		
8,400.00	6,227.00	6,100.00	6,099.69	60.41	21.13	70.63	9,830.71	2,857.78	7,625.65	7,556.10	69.55	109.637		
8,500.00	6,227.00	6,100.00	6,099.69	61.37	21.13	70.63	9,830.71	2,857.78	7,525.83	7,456.34	69.49	108.306		
8,600.00	6,227.00	6,100.00	6,099.69	62.37	21.13	70.63	9,830.71	2,857.78	7,426.01	7,356.59	69.42	106.974		
8,700.00	6,227.00	6,100.00	6,099.69	63.41	21.13	70.63	9,830.71	2,857.78	7,326.20	7,256.85	69.35	105.642		
8,800.00	6,227.00	6,100.00	6,099.69	64.49	21.13	70.63	9,830.71	2,857.78	7,226.40	7,157.12	69.28	104.310		
8,900.00	6,227.00	6,100.00	6,099.69	65.60	21.13	70.63	9,830.71	2,857.78	7,126.59	7,057.39	69.21	102.977		
9,000.00	6,227.00	6,100.00	6,099.69	66.74	21.13	70.63	9,830.71	2,857.78	7,026.80	6,957.67	69.13	101.644		
9,100.00	6,227.00	6,100.00	6,099.69	67.92	21.13	70.63	9,830.71	2,857.78	6,927.01	6,857.96	69.06	100.311		
9,200.00	6,227.00	6,100.00	6,099.69	69.13	21.13	70.63	9,830.71	2,857.78	6,827.23	6,758.25	68.98	98.977		
9,300.00	6,227.00	6,100.00	6,099.69	70.37	21.13	70.63	9,830.71	2,857.78	6,727.45	6,658.55	68.90	97.643		
9,400.00	6,227.00	6,100.00	6,099.69	71.63	21.13	70.63	9,830.71	2,857.78	6,627.68	6,558.87	68.82	96.309		
9,500.00	6,227.00	6,100.00	6,099.69	72.92	21.13	70.63	9,830.71	2,857.78	6,527.92	6,459.19	68.73	94.975		
9,600.00	6,227.00	6,100.00	6,099.69	74.23	21.13	70.63	9,830.71	2,857.78	6,428.17	6,359.52	68.65	93.640		
9,700.00	6,227.00	6,100.00	6,099.69	75.57	21.13	70.63	9,830.71	2,857.78	6,328.42	6,259.86	68.56	92.305		
9,800.00	6,227.00	6,100.00	6,099.69	76.93	21.13	70.63	9,830.71	2,857.78	6,228.68	6,160.21	68.47	90.970		
9,900.00	6,227.00	6,100.00	6,099.69	78.31	21.13	70.63	9,830.71	2,857.78	6,128.95	6,060.57	68.38	89.635		
10,000.00	6,227.00	6,100.00	6,099.69	79.71	21.13	70.63	9,830.71	2,857.78	6,029.23	5,960.94	68.28	88.299		
10,100.00	6,227.00	6,100.00	6,099.69	81.12	21.13	70.63	9,830.71	2,857.78	5,929.51	5,861.33	68.18	86.963		
10,200.00	6,227.00	6,100.00	6,099.69	82.55	21.13	70.63	9,830.71	2,857.78	5,829.81	5,761.73	68.08	85.627		
10,300.00	6,227.00	6,100.00	6,099.69	84.00	21.13	70.63	9,830.71	2,857.78	5,730.12	5,662.14	67.98	84.291		
10,400.00	6,227.00	6,100.00	6,099.69	85.46	21.13	70.63	9,830.71	2,857.78	5,630.44	5,562.56	67.87	82.955		
10,500.00	6,227.00	6,100.00	6,099.69	86.94	21.13	70.63	9,830.71	2,857.78	5,530.77	5,463.00	67.76	81.618		
10,600.00	6,227.00	6,100.00	6,099.69	88.43	21.13	70.63	9,830.71	2,857.78	5,431.11	5,363.46	67.65	80.281		
10,700.00	6,227.00	6,100.00	6,099.69	89.93	21.13	70.63	9,830.71	2,857.78	5,331.47	5,263.93	67.54	78.943		
10,800.00	6,227.00	6,100.00	6,099.69	91.44	21.13	70.63	9,830.71	2,857.78	5,231.83	5,164.42	67.42	77.606		
10,900.00	6,227.00	6,100.00	6,099.69	92.96	21.13	70.63	9,830.71	2,857.78	5,132.22	5,064.93	67.29	76.268		
11,000.00	6,227.00	6,100.00	6,099.69	94.50	21.13	70.63	9,830.71	2,857.78	5,032.62	4,965.45	67.16	74.930		
11,100.00	6,227.00	6,100.00	6,099.69	96.04	21.13	70.63	9,830.71	2,857.78	4,933.03	4,866.00	67.03	73.591		
11,200.00	6,227.00	6,100.00	6,099.69	97.59	21.13	70.63	9,830.71	2,857.78	4,833.46	4,766.56	66.90	72.252		
11,300.00	6,227.00	6,100.00	6,099.69	99.15	21.13	70.63	9,830.71	2,857.78	4,733.91	4,667.15	66.76	70.912		
11,400.00	6,227.00	6,100.00	6,099.69	100.72	21.13	70.63	9,830.71	2,857.78	4,634.38	4,567.77	66.61	69.571		
11,500.00	6,227.00	6,100.00	6,099.69	102.30	21.13	70.63	9,830.71	2,857.78	4,534.87	4,468.41	66.46	68.230		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - ABND VERT MONAHAN FEDERAL 24 (GYRO) - OWB - GYRO													Offset Site Error: 0.00 usft	
Survey Program: 100-GYRO-MWD													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,600.00	6,227.00	6,100.00	6,099.69	103.88	21.13	70.63	9,830.71	2,857.78	4,435.38	4,369.07	66.31	66.888		
11,700.00	6,227.00	6,100.00	6,099.69	105.47	21.13	70.63	9,830.71	2,857.78	4,335.92	4,269.77	66.15	65.546		
11,743.45	6,227.00	6,100.00	6,099.69	106.17	21.13	70.63	9,830.71	2,857.78	4,292.71	4,226.63	66.08	64.962		
11,808.25	6,227.00	6,100.00	6,099.69	107.20	21.13	73.97	9,830.71	2,857.78	4,228.36	4,162.40	65.96	64.106		
11,900.00	6,227.00	6,100.00	6,099.69	108.66	21.13	73.97	9,830.71	2,857.78	4,137.39	4,071.62	65.76	62.913		
12,000.00	6,227.00	6,100.00	6,099.69	110.26	21.13	73.97	9,830.71	2,857.78	4,038.28	3,972.73	65.55	61.610		
12,100.00	6,227.00	6,100.00	6,099.69	111.86	21.13	73.97	9,830.71	2,857.78	3,939.21	3,873.89	65.32	60.305		
12,200.00	6,227.00	6,100.00	6,099.69	113.47	21.13	73.97	9,830.71	2,857.78	3,840.20	3,775.10	65.09	58.996		
12,300.00	6,227.00	6,100.00	6,099.69	115.08	21.13	73.97	9,830.71	2,857.78	3,741.23	3,676.38	64.86	57.684		
12,400.00	6,227.00	6,100.00	6,099.69	116.70	21.13	73.97	9,830.71	2,857.78	3,642.33	3,577.71	64.62	56.368		
12,500.00	6,227.00	6,100.00	6,099.69	118.33	21.13	73.97	9,830.71	2,857.78	3,543.48	3,479.11	64.37	55.046		
12,600.00	6,227.00	6,100.00	6,099.69	119.96	21.13	73.97	9,830.71	2,857.78	3,444.70	3,380.58	64.12	53.719		
12,700.00	6,227.00	6,100.00	6,099.69	121.60	21.13	73.97	9,830.71	2,857.78	3,346.00	3,282.12	63.87	52.385		
12,800.00	6,227.00	6,100.00	6,099.69	123.24	21.13	73.97	9,830.71	2,857.78	3,247.37	3,183.75	63.62	51.043		
12,900.00	6,227.00	6,100.00	6,099.69	124.88	21.13	73.97	9,830.71	2,857.78	3,148.83	3,085.46	63.37	49.693		
13,000.00	6,227.00	6,100.00	6,099.69	126.53	21.13	73.97	9,830.71	2,857.78	3,050.38	2,987.27	63.11	48.331		
13,100.00	6,227.00	6,100.00	6,099.69	128.18	21.13	73.97	9,830.71	2,857.78	2,952.04	2,889.18	62.87	46.957		
13,200.00	6,227.00	6,100.00	6,099.69	129.84	21.13	73.97	9,830.71	2,857.78	2,853.82	2,791.19	62.63	45.569		
13,300.00	6,227.00	6,100.00	6,099.69	131.50	21.13	73.97	9,830.71	2,857.78	2,755.72	2,693.32	62.40	44.163		
13,400.00	6,227.00	6,100.00	6,099.69	133.16	21.13	73.97	9,830.71	2,857.78	2,657.76	2,595.58	62.19	42.738		
13,500.00	6,227.00	6,100.00	6,099.69	134.83	21.13	73.97	9,830.71	2,857.78	2,559.96	2,497.96	62.00	41.289		
13,600.00	6,227.00	6,100.00	6,099.69	136.50	21.13	73.97	9,830.71	2,857.78	2,462.34	2,400.50	61.85	39.813		
13,700.00	6,227.00	6,100.00	6,099.69	138.17	21.13	73.97	9,830.71	2,857.78	2,364.92	2,303.18	61.74	38.305		
13,800.00	6,227.00	6,100.00	6,099.69	139.85	21.13	73.97	9,830.71	2,857.78	2,267.72	2,206.03	61.69	36.761		
13,900.00	6,227.00	6,100.00	6,099.69	141.53	21.13	73.97	9,830.71	2,857.78	2,170.78	2,109.06	61.72	35.174		
14,000.00	6,227.00	6,100.00	6,099.69	143.21	21.13	73.97	9,830.71	2,857.78	2,074.13	2,012.28	61.84	33.539		
14,100.00	6,227.00	6,100.00	6,099.69	144.89	21.13	73.97	9,830.71	2,857.78	1,977.81	1,915.71	62.10	31.850		
14,200.00	6,227.00	6,100.00	6,099.69	146.58	21.13	73.97	9,830.71	2,857.78	1,881.87	1,819.35	62.52	30.102		
14,300.00	6,227.00	6,100.00	6,099.69	148.26	21.13	73.97	9,830.71	2,857.78	1,786.38	1,723.23	63.15	28.290		
14,400.00	6,227.00	6,100.00	6,099.69	149.96	21.13	73.97	9,830.71	2,857.78	1,691.41	1,627.37	64.04	26.412		
14,500.00	6,227.00	6,100.00	6,099.69	151.65	21.13	73.97	9,830.71	2,857.78	1,597.05	1,531.79	65.26	24.470		
14,600.00	6,227.00	6,100.00	6,099.69	153.34	21.13	73.97	9,830.71	2,857.78	1,503.43	1,436.53	66.90	22.472		
14,700.00	6,227.00	6,100.00	6,099.69	155.04	21.13	73.97	9,830.71	2,857.78	1,410.68	1,341.63	69.05	20.429		
14,800.00	6,227.00	6,100.00	6,099.69	156.74	21.13	73.97	9,830.71	2,857.78	1,318.99	1,247.16	71.83	18.362		
14,900.00	6,227.00	6,100.00	6,099.69	158.44	21.13	73.97	9,830.71	2,857.78	1,228.60	1,153.22	75.37	16.300		
15,000.00	6,227.00	6,100.00	6,099.69	160.14	21.13	73.97	9,830.71	2,857.78	1,139.81	1,059.97	79.84	14.276		
15,100.00	6,227.00	6,100.00	6,099.69	161.85	21.13	73.97	9,830.71	2,857.78	1,053.03	967.62	85.41	12.329		
15,200.00	6,227.00	6,100.00	6,099.69	163.56	21.13	73.97	9,830.71	2,857.78	968.81	876.52	92.30	10.497		
15,300.00	6,227.00	6,100.00	6,099.69	165.26	21.13	73.97	9,830.71	2,857.78	887.87	787.15	100.72	8.815		
15,400.00	6,227.00	6,100.00	6,099.69	166.97	21.13	73.97	9,830.71	2,857.78	811.19	700.31	110.88	7.316		
15,500.00	6,227.00	6,100.00	6,099.69	168.68	21.13	73.97	9,830.71	2,857.78	740.10	617.17	122.93	6.020		
15,600.00	6,227.00	6,100.00	6,099.69	170.40	21.13	73.97	9,830.71	2,857.78	676.36	539.56	136.80	4.944		
15,700.00	6,227.00	6,100.00	6,099.69	172.11	21.13	73.97	9,830.71	2,857.78	622.24	470.22	152.02	4.093		
15,800.00	6,227.00	6,100.00	6,099.69	173.83	21.13	73.97	9,830.71	2,857.78	580.43	412.95	167.48	3.466		
15,900.00	6,227.00	6,100.00	6,099.69	175.54	21.13	73.97	9,830.71	2,857.78	553.72	372.40	181.32	3.054		
16,000.00	6,227.00	6,100.00	6,099.69	177.26	21.13	73.97	9,830.71	2,857.78	544.36	352.94	191.42	2.844 CC		
16,004.45	6,227.00	6,100.00	6,099.69	177.34	21.13	73.97	9,830.71	2,857.78	544.37	352.62	191.75	2.839 ES		
16,100.00	6,227.00	6,100.00	6,099.69	178.98	21.13	73.97	9,830.71	2,857.78	553.21	356.92	196.29	2.818 SF		
16,200.00	6,227.00	6,100.00	6,099.69	180.70	21.13	73.97	9,830.71	2,857.78	579.45	383.52	195.93	2.957		
16,300.00	6,227.00	6,100.00	6,099.69	182.42	21.13	73.97	9,830.71	2,857.78	620.87	429.27	191.59	3.241		
16,400.00	6,227.00	6,100.00	6,099.69	184.15	21.13	73.97	9,830.71	2,857.78	674.68	489.74	184.94	3.648		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - ABND VERT MONAHAN FEDERAL 24 (GYRO) - OWB - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,500.00	6,227.00	6,100.00	6,099.69	185.87	21.13	73.97	9,830.71	2,857.78	738.18	560.81	177.36	4.162		
16,600.00	6,227.00	6,100.00	6,099.69	187.60	21.13	73.97	9,830.71	2,857.78	809.09	639.34	169.74	4.767		
16,700.00	6,227.00	6,100.00	6,099.69	189.32	21.13	73.97	9,830.71	2,857.78	885.63	723.08	162.55	5.448		
16,800.00	6,227.00	6,100.00	6,099.69	191.05	21.13	73.97	9,830.71	2,857.78	966.47	810.47	155.99	6.196		
16,900.00	6,227.00	6,100.00	6,099.69	192.78	21.13	73.97	9,830.71	2,857.78	1,050.61	900.50	150.11	6.999		
17,000.00	6,227.00	6,100.00	6,099.69	194.51	21.13	73.97	9,830.71	2,857.78	1,137.32	992.44	144.88	7.850		
17,100.00	6,227.00	6,100.00	6,099.69	196.24	21.13	73.97	9,830.71	2,857.78	1,226.05	1,085.81	140.24	8.743		
17,200.00	6,227.00	6,100.00	6,099.69	197.97	21.13	73.97	9,830.71	2,857.78	1,316.41	1,180.28	136.13	9.670		
17,300.00	6,227.00	6,100.00	6,099.69	199.70	21.13	73.97	9,830.71	2,857.78	1,408.06	1,275.58	132.48	10.628		
17,400.00	6,227.00	6,100.00	6,099.69	201.44	21.13	73.97	9,830.71	2,857.78	1,500.78	1,371.55	129.24	11.613		
17,500.00	6,227.00	6,100.00	6,099.69	203.17	21.13	73.97	9,830.71	2,857.78	1,594.39	1,468.05	126.34	12.620		
17,600.00	6,227.00	6,100.00	6,099.69	204.90	21.13	73.97	9,830.71	2,857.78	1,688.72	1,564.99	123.74	13.648		
17,700.00	6,227.00	6,100.00	6,099.69	206.64	21.13	73.97	9,830.71	2,857.78	1,783.68	1,662.28	121.40	14.692		
17,800.00	6,227.00	6,100.00	6,099.69	208.38	21.13	73.97	9,830.71	2,857.78	1,879.15	1,759.86	119.29	15.752		
17,900.00	6,227.00	6,100.00	6,099.69	210.11	21.13	73.97	9,830.71	2,857.78	1,975.08	1,857.70	117.38	16.826		
18,000.00	6,227.00	6,100.00	6,099.69	211.85	21.13	73.97	9,830.71	2,857.78	2,071.39	1,955.74	115.65	17.911		
18,100.00	6,227.00	6,100.00	6,099.69	213.59	21.13	73.97	9,830.71	2,857.78	2,168.03	2,053.97	114.07	19.007		
18,200.00	6,227.00	6,100.00	6,099.69	215.33	21.13	73.97	9,830.71	2,857.78	2,264.97	2,152.35	112.62	20.112		
18,300.00	6,227.00	6,100.00	6,099.69	217.07	21.13	73.97	9,830.71	2,857.78	2,362.16	2,250.87	111.29	21.224		
18,400.00	6,227.00	6,100.00	6,099.69	218.81	21.13	73.97	9,830.71	2,857.78	2,459.58	2,349.50	110.08	22.344		
18,500.00	6,227.00	6,100.00	6,099.69	220.55	21.13	73.97	9,830.71	2,857.78	2,557.19	2,448.24	108.95	23.471		
18,600.00	6,227.00	6,100.00	6,099.69	222.29	21.13	73.97	9,830.71	2,857.78	2,654.99	2,547.07	107.91	24.603		
18,700.00	6,227.00	6,100.00	6,099.69	224.03	21.13	73.97	9,830.71	2,857.78	2,752.94	2,645.98	106.95	25.739		
18,800.00	6,227.00	6,100.00	6,099.69	225.78	21.13	73.97	9,830.71	2,857.78	2,851.03	2,744.97	106.06	26.881		
18,900.00	6,227.00	6,100.00	6,099.69	227.52	21.13	73.97	9,830.71	2,857.78	2,949.25	2,844.02	105.23	28.026		
19,000.00	6,227.00	6,100.00	6,099.69	229.26	21.13	73.97	9,830.71	2,857.78	3,047.59	2,943.13	104.46	29.174		
19,100.00	6,227.00	6,100.00	6,099.69	231.01	21.13	73.97	9,830.71	2,857.78	3,146.03	3,042.29	103.74	30.325		
19,200.00	6,227.00	6,100.00	6,099.69	232.75	21.13	73.97	9,830.71	2,857.78	3,244.57	3,141.50	103.07	31.479		
19,300.00	6,227.00	6,100.00	6,099.69	234.50	21.13	73.97	9,830.71	2,857.78	3,343.20	3,240.76	102.44	32.635		
19,400.00	6,227.00	6,100.00	6,099.69	236.25	21.13	73.97	9,830.71	2,857.78	3,441.90	3,340.05	101.85	33.794		
19,500.00	6,227.00	6,100.00	6,099.69	237.99	21.13	73.97	9,830.71	2,857.78	3,540.68	3,439.38	101.30	34.953		
19,600.00	6,227.00	6,100.00	6,099.69	239.74	21.13	73.97	9,830.71	2,857.78	3,639.52	3,538.74	100.78	36.115		
19,700.00	6,227.00	6,100.00	6,099.69	241.49	21.13	73.97	9,830.71	2,857.78	3,738.43	3,638.14	100.29	37.277		
19,800.00	6,227.00	6,100.00	6,099.69	243.24	21.13	73.97	9,830.71	2,857.78	3,837.39	3,737.56	99.83	38.441		
19,900.00	6,227.00	6,100.00	6,099.69	244.98	21.13	73.97	9,830.71	2,857.78	3,936.40	3,837.01	99.39	39.605		
20,000.00	6,227.00	6,100.00	6,099.69	246.73	21.13	73.97	9,830.71	2,857.78	4,035.47	3,936.48	98.98	40.770		
20,100.00	6,227.00	6,100.00	6,099.69	248.48	21.13	73.97	9,830.71	2,857.78	4,134.57	4,035.98	98.59	41.936		
20,200.00	6,227.00	6,100.00	6,099.69	250.23	21.13	73.97	9,830.71	2,857.78	4,233.72	4,135.50	98.23	43.101		
20,300.00	6,227.00	6,100.00	6,099.69	251.98	21.13	73.97	9,830.71	2,857.78	4,332.91	4,235.03	97.88	44.267		
20,400.00	6,227.00	6,100.00	6,099.69	253.73	21.13	73.97	9,830.71	2,857.78	4,432.14	4,334.59	97.55	45.434		
20,500.00	6,227.00	6,100.00	6,099.69	255.49	21.13	73.97	9,830.71	2,857.78	4,531.40	4,434.16	97.24	46.600		
20,600.00	6,227.00	6,100.00	6,099.69	257.24	21.13	73.97	9,830.71	2,857.78	4,630.69	4,533.74	96.95	47.766		
20,700.00	6,227.00	6,100.00	6,099.69	258.99	21.13	73.97	9,830.71	2,857.78	4,730.01	4,633.34	96.67	48.931		
20,800.00	6,227.00	6,100.00	6,099.69	260.74	21.13	73.97	9,830.71	2,857.78	4,829.36	4,732.96	96.40	50.097		
20,900.00	6,227.00	6,100.00	6,099.69	262.49	21.13	73.97	9,830.71	2,857.78	4,928.73	4,832.59	96.15	51.262		
21,000.00	6,227.00	6,100.00	6,099.69	264.25	21.13	73.97	9,830.71	2,857.78	5,028.14	4,932.23	95.91	52.426		
21,100.00	6,227.00	6,100.00	6,099.69	266.00	21.13	73.97	9,830.71	2,857.78	5,127.56	5,031.88	95.68	53.590		
21,200.00	6,227.00	6,100.00	6,099.69	267.75	21.13	73.97	9,830.71	2,857.78	5,227.00	5,131.54	95.46	54.753		
21,300.00	6,227.00	6,100.00	6,099.69	269.51	21.13	73.97	9,830.71	2,857.78	5,326.47	5,231.21	95.26	55.916		
21,400.00	6,227.00	6,100.00	6,099.69	271.26	21.13	73.97	9,830.71	2,857.78	5,425.96	5,330.89	95.06	57.078		
21,500.00	6,227.00	6,100.00	6,099.69	273.02	21.13	73.97	9,830.71	2,857.78	5,525.46	5,430.59	94.88	58.239		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - ABND VERT MONAHAN FEDERAL 24 (GYRO) - OWB - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,600.00	6,227.00	6,100.00	6,099.69	274.77	21.13	73.97	9,830.71	2,857.78	5,624.98	5,530.29	94.70	59.399	
21,700.00	6,227.00	6,100.00	6,099.69	276.53	21.13	73.97	9,830.71	2,857.78	5,724.52	5,629.99	94.53	60.558	
21,800.00	6,227.00	6,100.00	6,099.69	278.28	21.13	73.97	9,830.71	2,857.78	5,824.08	5,729.71	94.37	61.716	
21,900.00	6,227.00	6,100.00	6,099.69	280.04	21.13	73.97	9,830.71	2,857.78	5,923.65	5,829.43	94.22	62.874	
22,000.00	6,227.00	6,100.00	6,099.69	281.80	21.13	73.97	9,830.71	2,857.78	6,023.23	5,929.16	94.07	64.030	
22,085.16	6,227.00	6,100.00	6,099.69	283.29	21.13	73.97	9,830.71	2,857.78	6,108.04	6,014.09	93.95	65.013	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 511-MWD OWSG												Offset Well Error:	0.00 usft
Reference				Offset				Semi Major Axis				Distance	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	15.70	15.70	0.00	0.03	6.79	6,022.05	717.42	6,064.63				
100.00	100.00	120.40	120.40	0.27	0.21	6.79	6,021.99	717.46	6,064.58	6,064.10	0.48	N/A	
200.00	200.00	225.10	225.10	0.63	0.39	6.80	6,021.84	717.58	6,064.45	6,063.43	1.02	5,951.232	
300.00	300.00	329.79	329.79	0.99	0.57	6.80	6,021.60	717.75	6,064.25	6,062.69	1.56	3,888.152	
400.00	400.00	434.49	434.48	1.34	0.76	6.80	6,021.28	718.00	6,063.96	6,061.86	2.10	2,887.164	
500.00	499.98	540.13	540.13	1.70	0.99	-75.28	6,020.85	718.31	6,063.16	6,060.47	2.69	2,254.063	
600.00	599.84	636.83	636.82	2.05	1.34	-75.35	6,020.40	718.44	6,061.38	6,058.00	3.39	1,790.358	
700.00	699.45	716.66	716.65	2.41	1.61	-75.46	6,020.25	718.37	6,058.98	6,054.96	4.03	1,505.040	
800.00	798.70	1,288.04	1,287.30	2.79	3.66	-76.19	5,997.35	720.68	6,051.99	6,045.57	6.42	942.624	
900.00	897.47	1,358.00	1,356.95	3.19	3.92	-76.48	5,991.60	723.84	6,040.54	6,033.47	7.07	854.279	
1,000.00	995.62	1,428.19	1,426.76	3.62	4.19	-76.79	5,986.02	728.47	6,028.78	6,021.03	7.75	777.864	
1,100.00	1,093.06	1,613.27	1,610.50	4.09	4.90	-77.27	5,970.16	744.08	6,015.82	6,006.94	8.88	677.076	
1,200.00	1,189.64	1,800.07	1,795.29	4.59	5.65	-77.83	5,950.71	763.15	6,000.33	5,990.25	10.08	595.104	
1,300.00	1,285.27	1,923.88	1,917.63	5.14	6.16	-78.37	5,936.84	776.16	5,983.59	5,972.49	11.10	539.186	
1,400.00	1,379.82	2,051.99	2,044.17	5.74	6.70	-78.99	5,921.66	789.13	5,965.50	5,953.31	12.18	489.751	
1,500.00	1,473.17	2,126.12	2,117.46	6.40	7.01	-79.54	5,912.97	796.14	5,946.96	5,933.84	13.11	453.484	
1,600.00	1,565.21	2,196.00	2,186.58	7.12	7.31	-80.11	5,905.08	802.75	5,928.31	5,914.22	14.09	420.722	
1,614.66	1,578.59	2,205.63	2,196.11	7.23	7.35	-80.20	5,904.01	803.67	5,925.57	5,911.33	14.24	416.212	
1,700.00	1,656.38	2,275.96	2,265.69	7.88	7.65	-80.41	5,896.30	810.36	5,909.73	5,894.57	15.15	389.999	
1,800.00	1,747.52	2,474.27	2,461.81	8.67	8.50	-81.03	5,872.91	828.15	5,890.45	5,873.77	16.68	353.249	
1,900.00	1,838.67	2,685.14	2,669.96	9.47	9.42	-81.70	5,844.42	846.17	5,869.86	5,851.61	18.25	321.626	
2,000.00	1,929.81	2,757.00	2,740.78	10.28	9.74	-81.93	5,833.94	852.38	5,848.37	5,829.04	19.33	302.565	
2,100.00	2,020.96	2,813.13	2,796.14	11.10	9.99	-82.12	5,826.03	857.14	5,827.53	5,807.17	20.36	286.221	
2,200.00	2,112.10	2,851.00	2,833.56	11.92	10.16	-82.24	5,821.00	860.18	5,807.62	5,786.29	21.33	272.223	
2,300.00	2,203.25	2,920.03	2,901.80	12.75	10.46	-82.47	5,812.30	865.85	5,788.48	5,766.05	22.43	258.108	
2,400.00	2,294.39	2,944.00	2,925.50	13.59	10.56	-82.55	5,809.38	867.94	5,770.24	5,746.88	23.36	246.978	
2,500.00	2,385.54	3,010.39	2,991.22	14.43	10.85	-82.77	5,801.85	873.64	5,752.75	5,728.29	24.46	235.221	
2,600.00	2,476.68	3,057.21	3,037.64	15.27	11.04	-82.92	5,797.10	877.46	5,736.37	5,710.89	25.48	225.100	
2,700.00	2,567.83	3,131.00	3,110.86	16.11	11.35	-83.17	5,790.17	883.37	5,720.87	5,694.26	26.61	214.998	
2,800.00	2,658.97	3,183.30	3,162.78	16.96	11.57	-83.35	5,785.53	887.61	5,706.00	5,678.34	27.66	206.284	
2,900.00	2,750.12	3,273.44	3,252.26	17.80	11.94	-83.65	5,777.72	895.21	5,691.62	5,662.77	28.85	197.278	
3,000.00	2,841.26	3,804.88	3,775.80	18.65	14.34	-85.35	5,707.71	951.20	5,670.45	5,638.85	31.60	179.428	
3,100.00	2,932.41	3,883.00	3,852.42	19.50	14.72	-85.60	5,695.12	959.78	5,649.39	5,616.62	32.77	172.416	
3,200.00	3,023.55	3,912.55	3,881.46	20.35	14.85	-85.69	5,690.56	962.86	5,629.07	5,595.30	33.77	166.712	
3,300.00	3,114.70	3,976.00	3,943.96	21.21	15.15	-85.91	5,681.61	969.05	5,610.06	5,575.19	34.88	160.844	
3,400.00	3,205.84	3,976.00	3,943.96	22.06	15.15	-85.91	5,681.61	969.05	5,591.84	5,556.06	35.78	156.279	
3,500.00	3,296.99	4,030.72	3,998.00	22.92	15.39	-86.09	5,674.66	974.15	5,574.79	5,537.93	36.86	151.222	
3,600.00	3,388.13	4,070.00	4,036.83	23.77	15.56	-86.23	5,670.02	977.83	5,558.76	5,520.86	37.90	146.679	
3,700.00	3,479.28	4,140.40	4,106.48	24.63	15.87	-86.47	5,662.20	984.47	5,543.53	5,504.49	39.04	142.014	
3,800.00	3,570.42	4,244.03	4,209.05	25.48	16.32	-86.82	5,651.04	994.18	5,528.80	5,488.52	40.28	137.244	
3,900.00	3,661.57	4,390.43	4,353.87	26.34	16.96	-87.34	5,633.97	1,007.14	5,513.34	5,471.67	41.67	132.304	
4,000.00	3,752.71	4,466.15	4,428.78	27.20	17.29	-87.61	5,625.02	1,013.72	5,498.04	5,455.21	42.83	128.378	
4,100.00	3,843.86	4,539.00	4,500.87	28.05	17.61	-87.87	5,616.63	1,019.88	5,483.23	5,439.26	43.97	124.698	
4,200.00	3,935.00	4,605.13	4,566.39	28.91	17.89	-88.11	5,609.26	1,025.04	5,469.04	5,423.94	45.09	121.284	
4,300.00	4,026.15	4,685.06	4,645.66	29.77	18.23	-88.41	5,600.70	1,030.65	5,455.48	5,409.22	46.26	117.942	
4,400.00	4,117.29	4,808.72	4,768.22	30.63	18.76	-88.87	5,587.07	1,039.79	5,441.81	5,394.26	47.56	114.430	
4,500.00	4,208.44	4,860.70	4,819.74	31.49	18.98	-89.07	5,581.29	1,043.67	5,428.41	5,379.78	48.63	111.625	
4,600.00	4,299.58	4,914.00	4,872.67	32.35	19.20	-89.27	5,576.14	1,047.22	5,416.36	5,366.65	49.71	108.963	
4,700.00	4,390.73	4,914.00	4,872.67	33.21	19.20	-89.27	5,576.14	1,047.22	5,405.39	5,354.78	50.61	106.803	
4,800.00	4,481.88	4,961.80	4,920.23	34.07	19.39	-89.46	5,572.27	1,049.99	5,395.68	5,344.03	51.66	104.449	
4,900.00	4,573.02	5,008.00	4,966.27	34.93	19.57	-89.64	5,569.19	1,052.28	5,387.32	5,334.62	52.70	102.230	

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

Civitas Resources
Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE 24-21-24HZ - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 511-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,664.17	5,040.56	4,998.75	35.79	19.69	-89.77	5,567.32	1,053.69	5,380.08	5,326.40	53.68	100.216	
5,100.00	4,755.31	5,100.00	5,058.07	36.65	19.91	-90.02	5,564.27	1,055.88	5,373.89	5,319.13	54.76	98.142	
5,200.00	4,846.46	5,138.69	5,096.70	37.51	20.04	-90.18	5,562.57	1,057.06	5,368.67	5,312.92	55.75	96.297	
5,300.00	4,937.60	5,192.00	5,149.96	38.37	20.23	-90.40	5,560.64	1,058.40	5,364.55	5,307.76	56.79	94.461	
5,400.00	5,028.75	5,253.01	5,210.92	39.23	20.44	-90.66	5,558.79	1,059.59	5,361.33	5,303.47	57.85	92.674	
5,500.00	5,119.89	5,286.00	5,243.90	40.09	20.55	-90.80	5,557.86	1,060.12	5,358.92	5,300.11	58.81	91.123	
5,600.00	5,211.04	5,354.06	5,311.94	40.96	20.78	-91.09	5,556.44	1,061.17	5,357.36	5,297.47	59.89	89.460	
5,696.96	5,299.41	5,407.33	5,365.20	41.79	20.95	-91.32	5,555.95	1,062.10	5,356.97	5,296.10	60.88	87.993	
5,700.00	5,302.18	5,409.46	5,367.32	41.82	20.96	-91.33	5,555.94	1,062.14	5,356.97	5,296.06	60.91	87.946	
5,800.00	5,393.33	5,483.86	5,441.71	42.68	21.20	-91.64	5,555.63	1,063.61	5,357.32	5,295.32	62.00	86.403	
5,900.00	5,484.47	5,565.00	5,522.84	43.54	21.46	-91.99	5,555.28	1,065.10	5,358.01	5,294.89	63.12	84.889	
6,000.00	5,575.62	5,565.00	5,522.84	44.40	21.46	-91.99	5,555.28	1,065.10	5,360.03	5,296.11	63.92	83.853	
6,100.00	5,666.76	5,645.00	5,602.79	45.26	21.71	-92.32	5,556.71	1,067.05	5,363.17	5,298.15	65.02	82.487	
6,175.79	5,735.84	5,645.00	5,602.79	45.92	21.71	-92.32	5,556.71	1,067.05	5,366.31	5,300.70	65.61	81.791	
6,200.00	5,757.87	5,645.00	5,602.79	46.13	21.71	-87.08	5,556.71	1,067.05	5,367.04	5,301.24	65.80	81.569	
6,250.00	5,803.02	5,645.00	5,602.79	46.56	21.71	-77.12	5,556.71	1,067.05	5,365.70	5,299.51	66.18	81.071	
6,300.00	5,847.42	5,645.00	5,602.79	46.99	21.71	-68.64	5,556.71	1,067.05	5,360.53	5,293.96	66.57	80.525	
6,350.00	5,890.72	5,661.06	5,618.82	47.41	21.76	-61.80	5,557.55	1,067.61	5,351.39	5,284.38	67.02	79.852	
6,400.00	5,932.60	5,676.00	5,633.71	47.83	21.80	-56.37	5,558.64	1,068.23	5,338.60	5,271.15	67.45	79.148	
6,450.00	5,972.74	5,676.00	5,633.71	48.23	21.80	-52.09	5,558.64	1,068.23	5,321.98	5,254.17	67.81	78.483	
6,500.00	6,010.83	5,676.00	5,633.71	48.61	21.80	-48.81	5,558.64	1,068.23	5,301.79	5,233.64	68.16	77.789	
6,550.00	6,046.58	5,676.00	5,633.71	48.98	21.80	-46.37	5,558.64	1,068.23	5,278.14	5,209.66	68.48	77.071	
6,600.00	6,079.73	5,707.00	5,664.53	49.33	21.88	-44.85	5,561.58	1,069.77	5,251.06	5,182.12	68.94	76.170	
6,650.00	6,110.01	5,707.00	5,664.53	49.67	21.88	-43.78	5,561.58	1,069.77	5,220.71	5,151.48	69.23	75.407	
6,700.00	6,137.21	5,707.00	5,664.53	49.98	21.88	-43.32	5,561.58	1,069.77	5,187.39	5,117.88	69.51	74.627	
6,750.00	6,161.10	5,707.00	5,664.53	50.28	21.88	-43.47	5,561.58	1,069.77	5,151.29	5,081.52	69.77	73.834	
6,800.00	6,181.52	5,707.00	5,664.53	50.55	21.88	-44.29	5,561.58	1,069.77	5,112.62	5,042.61	70.01	73.031	
6,850.00	6,198.29	5,707.00	5,664.53	50.81	21.88	-45.90	5,561.58	1,069.77	5,071.64	5,001.41	70.23	72.220	
6,900.00	6,211.31	5,707.00	5,664.53	51.05	21.88	-48.53	5,561.58	1,069.77	5,028.59	4,958.16	70.43	71.403	
6,950.00	6,220.46	5,722.02	5,679.42	51.27	21.92	-52.91	5,563.36	1,070.62	4,983.57	4,912.88	70.68	70.506	
7,000.00	6,225.68	5,723.46	5,680.84	51.47	21.92	-59.26	5,563.55	1,070.70	4,937.21	4,866.36	70.86	69.680	
7,040.67	6,227.00	5,737.00	5,694.22	51.63	21.96	-67.36	5,565.49	1,071.51	4,898.77	4,827.72	71.05	68.951	
7,100.00	6,227.00	5,737.00	5,694.22	51.85	21.96	-67.36	5,565.49	1,071.51	4,842.03	4,770.81	71.22	67.987	
7,200.00	6,227.00	5,737.00	5,694.22	52.25	21.96	-67.36	5,565.49	1,071.51	4,746.53	4,675.01	71.52	66.366	
7,300.00	6,227.00	5,737.00	5,694.22	52.70	21.96	-67.36	5,565.49	1,071.51	4,651.23	4,579.39	71.84	64.748	
7,400.00	6,227.00	5,737.00	5,694.22	53.18	21.96	-67.36	5,565.49	1,071.51	4,556.13	4,483.96	72.17	63.134	
7,500.00	6,227.00	5,737.00	5,694.22	53.71	21.96	-67.36	5,565.49	1,071.51	4,461.24	4,388.73	72.51	61.524	
7,600.00	6,227.00	5,737.00	5,694.22	54.28	21.96	-67.36	5,565.49	1,071.51	4,366.58	4,293.71	72.87	59.919	
7,700.00	6,227.00	5,737.00	5,694.22	54.89	21.96	-67.36	5,565.49	1,071.51	4,272.16	4,198.91	73.25	58.320	
7,800.00	6,227.00	5,737.00	5,694.22	55.55	21.96	-67.36	5,565.49	1,071.51	4,178.01	4,104.35	73.65	56.725	
7,900.00	6,227.00	5,737.00	5,694.22	56.25	21.96	-67.36	5,565.49	1,071.51	4,084.13	4,010.05	74.07	55.137	
8,000.00	6,227.00	5,737.00	5,694.22	56.99	21.96	-67.36	5,565.49	1,071.51	3,990.55	3,916.03	74.51	53.555	
8,100.00	6,227.00	5,737.00	5,694.22	57.78	21.96	-67.36	5,565.49	1,071.51	3,897.28	3,822.31	74.98	51.980	
8,200.00	6,227.00	5,737.00	5,694.22	58.62	21.96	-67.36	5,565.49	1,071.51	3,804.36	3,728.90	75.46	50.413	
8,300.00	6,227.00	5,750.96	5,707.96	59.49	21.99	-67.86	5,567.79	1,072.40	3,711.64	3,635.58	76.06	48.799	
8,400.00	6,227.00	5,753.77	5,710.72	60.41	22.00	-67.96	5,568.30	1,072.59	3,619.41	3,542.79	76.62	47.239	
8,500.00	6,227.00	5,768.00	5,724.64	61.37	22.03	-68.47	5,571.05	1,073.59	3,527.70	3,450.42	77.28	45.649	
8,600.00	6,227.00	5,768.00	5,724.64	62.37	22.03	-68.47	5,571.05	1,073.59	3,436.26	3,358.37	77.88	44.120	
8,700.00	6,227.00	5,768.00	5,724.64	63.41	22.03	-68.47	5,571.05	1,073.59	3,345.31	3,266.79	78.52	42.602	
8,800.00	6,227.00	5,768.00	5,724.64	64.49	22.03	-68.47	5,571.05	1,073.59	3,254.90	3,175.70	79.20	41.097	
8,900.00	6,227.00	5,768.00	5,724.64	65.60	22.03	-68.47	5,571.05	1,073.59	3,165.06	3,085.15	79.91	39.606	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE 24-21-24HZ - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 511-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	5,768.00	5,724.64	66.74	22.03	-68.47	5,571.05	1,073.59	3,075.85	2,995.18	80.67	38.129	
9,100.00	6,227.00	5,784.59	5,740.81	67.92	22.06	-69.07	5,574.59	1,074.83	2,987.17	2,905.59	81.58	36.615	
9,200.00	6,227.00	5,799.00	5,754.79	69.13	22.10	-69.59	5,577.86	1,075.95	2,899.26	2,816.73	82.53	35.128	
9,300.00	6,227.00	5,799.00	5,754.79	70.37	22.10	-69.59	5,577.86	1,075.95	2,812.05	2,728.61	83.44	33.703	
9,400.00	6,227.00	5,799.00	5,754.79	71.63	22.10	-69.59	5,577.86	1,075.95	2,725.71	2,641.32	84.39	32.298	
9,500.00	6,227.00	5,812.12	5,767.49	72.92	22.12	-70.06	5,581.02	1,076.98	2,640.22	2,554.71	85.51	30.878	
9,600.00	6,227.00	5,830.00	5,784.71	74.23	22.16	-70.71	5,585.60	1,078.35	2,555.82	2,469.10	86.72	29.472	
9,700.00	6,227.00	5,830.00	5,784.71	75.57	22.16	-70.71	5,585.60	1,078.35	2,472.35	2,384.49	87.87	28.138	
9,800.00	6,227.00	5,830.00	5,784.71	76.93	22.16	-70.71	5,585.60	1,078.35	2,390.16	2,301.08	89.08	26.832	
9,900.00	6,227.00	5,842.75	5,796.94	78.31	22.18	-71.18	5,589.06	1,079.28	2,309.25	2,218.78	90.47	25.525	
10,000.00	6,227.00	5,862.00	5,815.35	79.71	22.22	-71.89	5,594.57	1,080.57	2,229.89	2,137.89	92.00	24.238	
10,100.00	6,227.00	5,862.00	5,815.35	81.12	22.22	-71.89	5,594.57	1,080.57	2,151.96	2,058.52	93.44	23.030	
10,200.00	6,227.00	5,862.00	5,815.35	82.55	22.22	-71.89	5,594.57	1,080.57	2,075.92	1,980.97	94.95	21.863	
10,300.00	6,227.00	5,879.96	5,832.43	84.00	22.25	-72.56	5,600.00	1,081.61	2,001.75	1,905.02	96.73	20.695	
10,400.00	6,227.00	5,893.00	5,844.80	85.46	22.27	-73.05	5,604.10	1,082.25	1,929.80	1,831.26	98.54	19.584	
10,500.00	6,227.00	5,904.96	5,856.10	86.94	22.29	-73.50	5,607.97	1,082.78	1,860.23	1,759.81	100.42	18.525	
10,600.00	6,227.00	5,924.00	5,874.03	88.43	22.32	-74.22	5,614.33	1,083.60	1,793.25	1,690.80	102.45	17.503	
10,700.00	6,227.00	5,938.94	5,888.02	89.93	22.35	-74.78	5,619.52	1,084.25	1,729.13	1,624.63	104.51	16.546	
10,800.00	6,227.00	5,955.00	5,902.99	91.44	22.37	-75.39	5,625.31	1,084.97	1,668.16	1,561.54	106.62	15.646	
10,900.00	6,227.00	5,973.10	5,919.72	92.96	22.40	-76.07	5,632.14	1,085.77	1,610.70	1,501.91	108.79	14.805	
11,000.00	6,227.00	5,992.14	5,937.17	94.50	22.43	-76.79	5,639.72	1,086.58	1,557.13	1,446.16	110.98	14.031	
11,100.00	6,227.00	6,016.00	5,958.80	96.04	22.46	-77.69	5,649.74	1,087.66	1,507.67	1,394.48	113.20	13.319	
11,200.00	6,227.00	6,048.00	5,987.35	97.59	22.50	-78.89	5,664.08	1,089.42	1,462.47	1,346.99	115.48	12.664	
11,300.00	6,227.00	6,096.98	6,030.04	99.15	22.56	-80.69	5,687.85	1,092.71	1,421.72	1,303.80	117.92	12.057	
11,400.00	6,227.00	6,158.72	6,082.28	100.72	22.63	-82.93	5,720.19	1,098.80	1,384.61	1,264.21	120.41	11.500	
11,500.00	6,227.00	6,223.58	6,134.75	102.30	22.70	-85.21	5,757.42	1,106.88	1,351.58	1,228.82	122.75	11.011	
11,600.00	6,227.00	6,263.00	6,164.63	103.88	22.74	-86.53	5,782.47	1,112.58	1,322.87	1,198.33	124.54	10.622	
11,700.00	6,227.00	6,294.00	6,187.04	105.47	22.76	-87.52	5,803.45	1,116.85	1,299.38	1,173.42	125.96	10.316	
11,743.45	6,227.00	6,315.20	6,201.79	106.17	22.77	-88.18	5,818.45	1,119.51	1,290.84	1,164.22	126.62	10.195	
11,808.25	6,227.00	6,339.54	6,217.99	107.20	22.79	-88.91	5,836.39	1,122.35	1,279.28	1,151.90	127.38	10.043	
11,900.00	6,227.00	6,380.35	6,243.43	108.66	22.81	-90.07	5,868.03	1,126.40	1,265.70	1,137.31	128.39	9.858	
12,000.00	6,227.00	6,439.10	6,275.26	110.26	22.83	-91.52	5,917.09	1,131.46	1,255.09	1,125.52	129.57	9.687	
12,100.00	6,227.00	6,500.23	6,301.56	111.86	22.86	-92.74	5,972.08	1,135.58	1,248.20	1,117.53	130.66	9.553	
12,200.00	6,227.00	6,556.56	6,319.89	113.47	22.91	-93.59	6,025.28	1,137.62	1,245.02	1,113.49	131.52	9.466	
12,300.00	6,227.00	6,657.37	6,340.46	115.08	23.15	-94.54	6,123.82	1,139.47	1,243.44	1,109.82	133.62	9.306	
12,340.80	6,227.00	6,682.89	6,342.68	115.74	23.24	-94.65	6,149.24	1,139.51	1,243.18	1,109.15	134.03	9.275 CC	
12,400.00	6,227.00	6,734.15	6,345.54	116.70	23.47	-94.78	6,200.41	1,138.77	1,243.56	1,108.50	135.06	9.207	
12,500.00	6,227.00	6,816.72	6,347.02	118.33	23.91	-94.84	6,282.94	1,136.69	1,245.00	1,108.28	136.72	9.106	
12,600.00	6,227.00	6,909.56	6,346.31	119.96	24.52	-94.80	6,375.72	1,133.43	1,247.26	1,108.45	138.81	8.986	
12,700.00	6,227.00	7,017.00	6,345.43	121.60	25.34	-94.75	6,483.08	1,129.55	1,249.59	1,108.08	141.52	8.830	
12,800.00	6,227.00	7,093.86	6,344.81	123.24	25.99	-94.71	6,559.85	1,126.18	1,252.66	1,109.48	143.18	8.749	
12,900.00	6,227.00	7,205.00	6,344.19	124.88	27.03	-94.67	6,670.90	1,121.76	1,255.30	1,109.06	146.25	8.584	
13,000.00	6,227.00	7,282.53	6,344.14	126.53	27.81	-94.66	6,748.33	1,117.92	1,259.08	1,111.04	148.04	8.505	
13,100.00	6,227.00	7,330.00	6,344.44	128.18	28.31	-94.66	6,795.64	1,114.03	1,265.99	1,117.50	148.49	8.526	
13,200.00	6,227.00	7,439.68	6,346.24	129.84	29.53	-94.70	6,904.75	1,102.98	1,275.03	1,123.26	151.77	8.401	
13,300.00	6,227.00	7,534.88	6,349.02	131.50	30.65	-94.80	6,999.49	1,094.14	1,283.34	1,128.89	154.45	8.309	
13,400.00	6,227.00	7,612.00	6,351.82	133.16	31.59	-94.90	7,076.18	1,086.48	1,292.43	1,136.13	156.30	8.269	
13,500.00	6,227.00	7,740.03	6,356.91	134.83	33.24	-95.08	7,203.50	1,074.18	1,301.06	1,140.38	160.68	8.097	
13,600.00	6,227.00	7,841.97	6,357.62	136.50	34.59	-95.08	7,305.01	1,064.88	1,309.02	1,145.18	163.83	7.990	
13,700.00	6,227.00	7,902.12	6,357.72	138.17	35.41	-95.07	7,364.86	1,058.80	1,318.09	1,153.14	164.95	7.991	
13,800.00	6,227.00	7,962.62	6,357.76	139.85	36.25	-95.04	7,424.75	1,050.31	1,330.69	1,164.70	165.98	8.017	

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

Civitas Resources
Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE 24-21-24HZ - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 511-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	8,110.02	6,355.69	141.53	38.36	-94.88	7,570.74	1,030.29	1,343.05	1,171.36	171.69	7.823	
14,000.00	6,227.00	8,203.31	6,349.96	143.21	39.74	-94.60	7,663.16	1,018.92	1,353.53	1,178.97	174.56	7.754	
14,100.00	6,227.00	8,354.43	6,342.62	144.89	42.01	-94.25	7,813.24	1,003.13	1,362.47	1,182.09	180.38	7.553	
14,200.00	6,227.00	8,422.93	6,341.48	146.58	43.06	-94.18	7,881.39	996.30	1,370.91	1,188.83	182.08	7.529	
14,300.00	6,227.00	8,498.17	6,341.17	148.26	44.22	-94.14	7,956.14	987.80	1,380.95	1,196.86	184.08	7.502	
14,400.00	6,227.00	8,590.91	6,343.59	149.96	45.67	-94.21	8,048.14	976.37	1,392.24	1,205.22	187.02	7.444	
14,500.00	6,227.00	8,734.00	6,348.78	151.65	47.93	-94.38	8,190.34	961.43	1,401.59	1,208.99	192.59	7.278	
14,600.00	6,227.00	8,901.68	6,351.62	153.34	50.60	-94.47	8,357.53	949.53	1,407.70	1,208.57	199.13	7.069	
14,700.00	6,227.00	9,074.76	6,348.92	155.04	53.37	-94.35	8,530.50	945.18	1,409.13	1,203.65	205.47	6.858	
14,800.00	6,227.00	9,202.00	6,348.55	156.74	55.41	-94.35	8,657.71	946.43	1,407.06	1,197.26	209.80	6.707	
14,900.00	6,227.00	9,348.22	6,348.41	158.44	57.75	-94.36	8,803.81	951.95	1,402.25	1,187.59	214.66	6.532	
15,000.00	6,227.00	9,465.68	6,347.66	160.14	59.63	-94.36	8,921.03	959.33	1,394.76	1,176.23	218.52	6.383	
15,100.00	6,227.00	9,526.60	6,346.10	161.85	60.61	-94.31	8,981.83	962.76	1,387.83	1,167.16	220.67	6.289	
15,200.00	6,227.00	9,597.53	6,344.47	163.56	61.77	-94.25	9,052.70	965.04	1,383.31	1,160.27	223.04	6.202	
15,300.00	6,227.00	9,722.24	6,345.17	165.26	63.80	-94.30	9,177.33	969.39	1,378.58	1,151.31	227.27	6.066	
15,400.00	6,227.00	9,794.00	6,345.98	166.97	64.98	-94.34	9,249.05	971.32	1,374.70	1,145.03	229.66	5.986	
15,500.00	6,227.00	9,892.05	6,346.09	168.68	66.61	-94.35	9,347.09	972.81	1,371.99	1,139.00	232.99	5.889	
15,600.00	6,227.00	9,969.91	6,345.51	170.40	67.90	-94.33	9,424.94	973.70	1,369.66	1,134.12	235.54	5.815	
15,700.00	6,227.00	10,052.46	6,343.78	172.11	69.28	-94.26	9,507.47	973.39	1,368.72	1,130.47	238.25	5.745	
15,704.45	6,227.00	10,055.79	6,343.69	172.19	69.34	-94.26	9,510.79	973.35	1,368.72	1,130.37	238.36	5.742	
15,800.00	6,227.00	10,151.57	6,342.38	173.83	70.95	-94.21	9,606.56	972.05	1,368.77	1,127.13	241.64	5.664	
15,900.00	6,227.00	10,262.89	6,342.44	175.54	72.82	-94.21	9,717.87	971.60	1,367.94	1,122.40	245.54	5.571	
16,000.00	6,227.00	10,361.13	6,341.96	177.26	74.48	-94.19	9,816.10	970.85	1,367.47	1,118.57	248.90	5.494	
16,100.00	6,227.00	10,453.15	6,341.48	178.98	76.04	-94.17	9,908.12	969.95	1,367.19	1,115.18	252.01	5.425	
16,200.00	6,227.00	10,589.83	6,337.34	180.70	78.35	-94.00	10,044.72	969.48	1,366.26	1,109.33	256.93	5.318	
16,300.00	6,227.00	10,674.55	6,334.05	182.42	79.79	-93.87	10,129.35	970.43	1,363.74	1,103.95	259.79	5.249	
16,400.00	6,227.00	10,789.00	6,332.63	184.15	81.73	-93.82	10,243.77	971.71	1,361.32	1,097.52	263.80	5.160	
16,500.00	6,227.00	10,898.00	6,331.14	185.87	83.58	-93.77	10,352.74	973.98	1,357.92	1,090.34	267.58	5.075 SF	
16,545.99	6,227.00	10,898.00	6,331.14	186.67	83.58	-93.77	10,352.74	973.98	1,357.14	1,089.79	267.35	5.076 ES	
16,600.00	6,227.00	10,898.00	6,331.14	187.60	83.58	-93.77	10,352.74	973.98	1,358.21	1,091.52	266.70	5.093	
16,700.00	6,227.00	10,898.00	6,331.14	189.32	83.58	-93.77	10,352.74	973.98	1,365.85	1,101.38	264.47	5.164	
16,800.00	6,227.00	10,898.00	6,331.14	191.05	83.58	-93.77	10,352.74	973.98	1,380.71	1,119.71	260.99	5.290	
16,900.00	6,227.00	10,898.00	6,331.14	192.78	83.58	-93.77	10,352.74	973.98	1,402.55	1,146.17	256.39	5.470	
17,000.00	6,227.00	10,898.00	6,331.14	194.51	83.58	-93.77	10,352.74	973.98	1,431.07	1,180.23	250.83	5.705	
17,100.00	6,227.00	10,898.00	6,331.14	196.24	83.58	-93.77	10,352.74	973.98	1,465.86	1,221.33	244.53	5.995	
17,200.00	6,227.00	10,898.00	6,331.14	197.97	83.58	-93.77	10,352.74	973.98	1,506.50	1,268.82	237.68	6.338	
17,300.00	6,227.00	10,898.00	6,331.14	199.70	83.58	-93.77	10,352.74	973.98	1,552.53	1,322.06	230.47	6.736	
17,400.00	6,227.00	10,898.00	6,331.14	201.44	83.58	-93.77	10,352.74	973.98	1,603.48	1,380.42	223.06	7.188	
17,500.00	6,227.00	10,898.00	6,331.14	203.17	83.58	-93.77	10,352.74	973.98	1,658.90	1,443.29	215.61	7.694	
17,600.00	6,227.00	10,898.00	6,331.14	204.90	83.58	-93.77	10,352.74	973.98	1,718.36	1,510.13	208.22	8.252	
17,700.00	6,227.00	10,898.00	6,331.14	206.64	83.58	-93.77	10,352.74	973.98	1,781.45	1,580.45	200.99	8.863	
17,800.00	6,227.00	10,898.00	6,331.14	208.38	83.58	-93.77	10,352.74	973.98	1,847.80	1,653.81	193.99	9.525	
17,900.00	6,227.00	10,898.00	6,331.14	210.11	83.58	-93.77	10,352.74	973.98	1,917.07	1,729.82	187.25	10.238	
18,000.00	6,227.00	10,898.00	6,331.14	211.85	83.58	-93.77	10,352.74	973.98	1,988.96	1,808.16	180.80	11.001	
18,100.00	6,227.00	10,898.00	6,331.14	213.59	83.58	-93.77	10,352.74	973.98	2,063.19	1,888.52	174.68	11.812	
18,200.00	6,227.00	10,898.00	6,331.14	215.33	83.58	-93.77	10,352.74	973.98	2,139.52	1,970.66	168.87	12.670	
18,300.00	6,227.00	10,898.00	6,331.14	217.07	83.58	-93.77	10,352.74	973.98	2,217.74	2,054.36	163.38	13.574	
18,400.00	6,227.00	10,898.00	6,331.14	218.81	83.58	-93.77	10,352.74	973.98	2,297.64	2,139.44	158.21	14.523	
18,500.00	6,227.00	10,898.00	6,331.14	220.55	83.58	-93.77	10,352.74	973.98	2,379.07	2,225.73	153.34	15.515	
18,600.00	6,227.00	10,898.00	6,331.14	222.29	83.58	-93.77	10,352.74	973.98	2,461.86	2,313.11	148.76	16.550	
18,700.00	6,227.00	10,898.00	6,331.14	224.03	83.58	-93.77	10,352.74	973.98	2,545.89	2,401.44	144.46	17.624	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 511-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,800.00	6,227.00	10,898.00	6,331.14	225.78	83.58	-93.77	10,352.74	973.98	2,631.04	2,490.62	140.42	18.737	
18,900.00	6,227.00	10,898.00	6,331.14	227.52	83.58	-93.77	10,352.74	973.98	2,717.20	2,580.57	136.63	19.887	
19,000.00	6,227.00	10,898.00	6,331.14	229.26	83.58	-93.77	10,352.74	973.98	2,804.28	2,671.20	133.08	21.073	
19,100.00	6,227.00	10,898.00	6,331.14	231.01	83.58	-93.77	10,352.74	973.98	2,892.19	2,762.45	129.74	22.292	
19,200.00	6,227.00	10,898.00	6,331.14	232.75	83.58	-93.77	10,352.74	973.98	2,980.87	2,854.26	126.61	23.544	
19,300.00	6,227.00	10,898.00	6,331.14	234.50	83.58	-93.77	10,352.74	973.98	3,070.24	2,946.57	123.67	24.826	
19,400.00	6,227.00	10,898.00	6,331.14	236.25	83.58	-93.77	10,352.74	973.98	3,160.25	3,039.34	120.91	26.137	
19,500.00	6,227.00	10,898.00	6,331.14	237.99	83.58	-93.77	10,352.74	973.98	3,250.84	3,132.52	118.32	27.474	
19,600.00	6,227.00	10,898.00	6,331.14	239.74	83.58	-93.77	10,352.74	973.98	3,341.97	3,226.08	115.89	28.838	
19,700.00	6,227.00	10,898.00	6,331.14	241.49	83.58	-93.77	10,352.74	973.98	3,433.60	3,319.99	113.60	30.225	
19,800.00	6,227.00	10,898.00	6,331.14	243.24	83.58	-93.77	10,352.74	973.98	3,525.68	3,414.22	111.45	31.634	
19,900.00	6,227.00	10,898.00	6,331.14	244.98	83.58	-93.77	10,352.74	973.98	3,618.17	3,508.75	109.43	33.064	
20,000.00	6,227.00	10,898.00	6,331.14	246.73	83.58	-93.77	10,352.74	973.98	3,711.06	3,603.54	107.53	34.513	
20,100.00	6,227.00	10,898.00	6,331.14	248.48	83.58	-93.77	10,352.74	973.98	3,804.31	3,698.58	105.73	35.980	
20,200.00	6,227.00	10,898.00	6,331.14	250.23	83.58	-93.77	10,352.74	973.98	3,897.90	3,793.85	104.05	37.463	
20,300.00	6,227.00	10,898.00	6,331.14	251.98	83.58	-93.77	10,352.74	973.98	3,991.79	3,889.34	102.46	38.961	
20,400.00	6,227.00	10,898.00	6,331.14	253.73	83.58	-93.77	10,352.74	973.98	4,085.97	3,985.02	100.96	40.473	
20,500.00	6,227.00	10,898.00	6,331.14	255.49	83.58	-93.77	10,352.74	973.98	4,180.43	4,080.89	99.54	41.996	
20,600.00	6,227.00	10,898.00	6,331.14	257.24	83.58	-93.77	10,352.74	973.98	4,275.14	4,176.93	98.21	43.531	
20,700.00	6,227.00	10,898.00	6,331.14	258.99	83.58	-93.77	10,352.74	973.98	4,370.08	4,273.13	96.95	45.075	
20,800.00	6,227.00	10,898.00	6,331.14	260.74	83.58	-93.77	10,352.74	973.98	4,465.24	4,369.48	95.76	46.628	
20,900.00	6,227.00	10,898.00	6,331.14	262.49	83.58	-93.77	10,352.74	973.98	4,560.61	4,465.97	94.64	48.189	
21,000.00	6,227.00	10,898.00	6,331.14	264.25	83.58	-93.77	10,352.74	973.98	4,656.18	4,562.60	93.58	49.756	
21,100.00	6,227.00	10,898.00	6,331.14	266.00	83.58	-93.77	10,352.74	973.98	4,751.93	4,659.35	92.58	51.328	
21,200.00	6,227.00	10,898.00	6,331.14	267.75	83.58	-93.77	10,352.74	973.98	4,847.85	4,756.21	91.63	52.905	
21,300.00	6,227.00	10,898.00	6,331.14	269.51	83.58	-93.77	10,352.74	973.98	4,943.93	4,853.19	90.74	54.487	
21,400.00	6,227.00	10,898.00	6,331.14	271.26	83.58	-93.77	10,352.74	973.98	5,040.16	4,950.27	89.89	56.071	
21,500.00	6,227.00	10,898.00	6,331.14	273.02	83.58	-93.77	10,352.74	973.98	5,136.54	5,047.45	89.09	57.657	
21,600.00	6,227.00	10,898.00	6,331.14	274.77	83.58	-93.77	10,352.74	973.98	5,233.05	5,144.72	88.33	59.244	
21,700.00	6,227.00	10,898.00	6,331.14	276.53	83.58	-93.77	10,352.74	973.98	5,329.69	5,242.08	87.61	60.833	
21,800.00	6,227.00	10,898.00	6,331.14	278.28	83.58	-93.77	10,352.74	973.98	5,426.45	5,339.52	86.93	62.421	
21,900.00	6,227.00	10,898.00	6,331.14	280.04	83.58	-93.77	10,352.74	973.98	5,523.33	5,437.04	86.29	64.009	
22,000.00	6,227.00	10,898.00	6,331.14	281.80	83.58	-93.77	10,352.74	973.98	5,620.32	5,534.64	85.68	65.597	
22,085.16	6,227.00	10,898.00	6,331.14	283.29	83.58	-93.77	10,352.74	973.98	5,702.99	5,617.81	85.19	66.947	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE E-A-24HNA - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 511-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	17.60	17.60	0.00	0.03	8.06	6,022.05	852.82	6,082.14				
100.00	100.00	127.62	127.62	0.27	0.22	8.06	6,021.94	852.74	6,082.03	6,081.54	0.49	N/A	
200.00	200.00	237.64	237.64	0.63	0.41	8.06	6,021.67	852.53	6,081.76	6,080.72	1.04	5,851.772	
300.00	300.00	347.66	347.66	0.99	0.60	8.06	6,021.23	852.21	6,081.32	6,079.73	1.59	3,828.419	
400.00	400.00	457.67	457.67	1.34	0.79	8.05	6,020.62	851.75	6,080.71	6,078.58	2.14	2,844.618	
500.00	499.98	594.03	594.01	1.70	1.19	-74.05	6,019.47	851.03	6,079.35	6,076.47	2.88	2,110.840	
600.00	599.84	695.00	694.98	2.05	1.55	-74.15	6,018.20	850.43	6,076.59	6,072.99	3.59	1,690.519	
700.00	699.45	772.90	772.88	2.41	1.83	-74.29	6,017.40	849.76	6,073.07	6,068.83	4.24	1,433.508	
800.00	798.70	905.22	905.17	2.79	2.30	-74.53	6,015.95	848.30	6,068.52	6,063.43	5.09	1,192.415	
900.00	897.47	971.00	970.95	3.19	2.54	-74.74	6,015.10	847.53	6,062.96	6,057.23	5.72	1,059.093	
1,000.00	995.62	1,014.89	1,014.84	3.62	2.69	-74.93	6,014.84	847.14	6,057.28	6,050.98	6.30	961.330	
1,100.00	1,093.06	1,063.00	1,062.94	4.09	2.85	-75.13	6,015.17	847.09	6,051.84	6,044.92	6.92	874.009	
1,200.00	1,189.64	1,063.00	1,062.94	4.59	2.85	-75.24	6,015.17	847.09	6,046.62	6,039.20	7.42	814.763	
1,300.00	1,285.27	1,109.34	1,109.27	5.14	3.01	-75.45	6,016.19	847.48	6,041.56	6,033.45	8.12	744.431	
1,400.00	1,379.82	1,154.00	1,153.89	5.74	3.15	-75.67	6,017.91	848.32	6,036.99	6,028.13	8.85	681.860	
1,500.00	1,473.17	1,154.00	1,153.89	6.40	3.15	-75.76	6,017.91	848.32	6,032.65	6,023.15	9.50	635.155	
1,600.00	1,565.21	1,210.13	1,209.92	7.12	3.34	-76.02	6,020.86	849.92	6,028.49	6,018.10	10.39	580.182	
1,614.66	1,578.59	1,215.83	1,215.60	7.23	3.36	-76.06	6,021.19	850.11	6,027.90	6,017.38	10.52	573.114	
1,700.00	1,656.38	1,263.08	1,262.72	7.88	3.52	-76.22	6,024.22	851.82	6,024.89	6,013.57	11.32	532.224	
1,800.00	1,747.52	1,455.49	1,454.77	8.67	4.18	-76.94	6,035.48	854.42	6,020.95	6,008.19	12.76	471.840	
1,900.00	1,838.67	1,568.84	1,568.00	9.47	4.58	-77.38	6,040.76	854.82	6,016.04	6,002.10	13.95	431.388	
2,000.00	1,929.81	1,659.59	1,658.64	10.28	4.90	-77.73	6,045.30	854.62	6,011.75	5,996.68	15.07	399.036	
2,100.00	2,020.96	1,738.45	1,737.42	11.10	5.18	-78.04	6,048.96	854.35	6,007.41	5,991.26	16.15	371.879	
2,200.00	2,112.10	1,799.00	1,797.86	11.92	5.39	-78.28	6,052.43	853.38	6,004.14	5,986.95	17.19	349.370	
2,300.00	2,203.25	1,899.88	1,898.53	12.75	5.75	-78.69	6,058.41	851.16	6,001.46	5,983.09	18.37	326.694	
2,400.00	2,294.39	1,947.34	1,945.89	13.59	5.92	-78.89	6,061.23	850.01	5,999.00	5,979.63	19.37	309.749	
2,500.00	2,385.54	2,014.40	2,012.79	14.43	6.17	-79.17	6,065.60	848.11	5,997.38	5,976.94	20.44	293.416	
2,600.00	2,476.68	2,170.69	2,168.74	15.27	6.73	-79.80	6,075.24	844.84	5,995.89	5,974.04	21.84	274.479	
2,700.00	2,567.83	4,218.04	4,084.97	16.11	17.09	-92.07	5,864.33	341.55	5,969.98	5,938.06	31.93	186.997	
2,800.00	2,658.97	4,263.56	4,125.42	16.96	17.44	-92.41	5,852.81	324.14	5,944.50	5,911.36	33.14	179.353	
2,900.00	2,750.12	4,324.07	4,179.00	17.80	17.92	-92.86	5,837.66	300.46	5,920.08	5,885.61	34.47	171.732	
3,000.00	2,841.26	4,384.00	4,231.78	18.65	18.41	-93.32	5,822.59	276.38	5,896.49	5,860.68	35.81	164.646	
3,100.00	2,932.41	4,384.00	4,231.78	19.50	18.41	-93.32	5,822.59	276.38	5,874.27	5,837.50	36.77	159.757	
3,200.00	3,023.55	4,434.19	4,275.92	20.35	18.83	-93.71	5,810.30	255.89	5,853.08	5,815.01	38.07	153.748	
3,300.00	3,114.70	4,479.00	4,315.43	21.21	19.20	-94.05	5,799.93	237.48	5,833.58	5,794.24	39.34	148.300	
3,400.00	3,205.84	4,485.09	4,320.80	22.06	19.25	-94.10	5,798.56	234.97	5,815.25	5,774.91	40.34	144.159	
3,500.00	3,296.99	4,655.85	4,471.97	22.92	20.68	-95.42	5,758.19	166.60	5,797.19	5,754.71	42.48	136.468	
3,600.00	3,388.13	4,706.94	4,517.06	23.77	21.13	-95.81	5,745.67	146.09	5,779.85	5,736.04	43.81	131.918	
3,700.00	3,479.28	4,731.66	4,538.73	24.63	21.34	-96.01	5,739.76	135.79	5,763.95	5,718.98	44.96	128.193	
3,800.00	3,570.42	4,765.00	4,567.84	25.48	21.63	-96.27	5,732.00	121.49	5,749.49	5,703.32	46.17	124.517	
3,900.00	3,661.57	4,765.00	4,567.84	26.34	21.63	-96.27	5,732.00	121.49	5,736.50	5,689.36	47.14	121.702	
4,000.00	3,752.71	4,765.00	4,567.84	27.20	21.63	-96.27	5,732.00	121.49	5,725.23	5,677.14	48.09	119.054	
4,100.00	3,843.86	4,814.72	4,610.85	28.05	22.10	-96.67	5,720.99	99.12	5,715.00	5,665.54	49.45	115.567	
4,200.00	3,935.00	4,861.00	4,650.40	28.91	22.54	-97.05	5,711.42	77.06	5,706.80	5,656.02	50.78	112.374	
4,300.00	4,026.15	4,861.00	4,650.40	29.77	22.54	-97.05	5,711.42	77.06	5,699.75	5,648.03	51.72	110.208	
4,400.00	4,117.29	4,861.00	4,650.40	30.63	22.54	-97.05	5,711.42	77.06	5,694.45	5,641.81	52.64	108.174	
4,500.00	4,208.44	4,902.21	4,685.41	31.49	22.95	-97.40	5,703.32	56.88	5,690.61	5,636.68	53.93	105.518	
4,600.00	4,299.58	4,931.83	4,710.60	32.35	23.24	-97.64	5,697.67	42.37	5,688.27	5,633.16	55.11	103.225	
4,700.00	4,390.73	4,957.00	4,732.03	33.21	23.49	-97.85	5,692.98	30.03	5,687.38	5,631.15	56.23	101.145	
4,713.58	4,403.11	4,969.93	4,743.06	33.33	23.61	-97.96	5,690.61	23.72	5,687.37	5,630.90	56.47	100.719	
4,800.00	4,481.88	5,009.88	4,777.38	34.07	23.99	-98.29	5,683.41	4.57	5,687.85	5,630.26	57.59	98.761	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE E-A-24HNA - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 511-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,900.00	4,573.02	5,164.13	4,913.95	34.93	25.37	-99.50	5,656.81	-61.83	5,689.42	5,629.66	59.76	95.208	
5,000.00	4,664.17	5,242.44	4,986.33	35.79	25.98	-100.07	5,644.11	-88.83	5,690.90	5,629.72	61.18	93.013	
5,100.00	4,755.31	5,243.00	4,986.85	36.65	25.98	-100.08	5,644.01	-89.02	5,693.76	5,631.72	62.05	91.762	
5,200.00	4,846.46	5,290.45	5,031.49	37.51	26.30	-100.40	5,637.22	-103.58	5,697.71	5,634.52	63.20	90.159	
5,300.00	4,937.60	5,339.00	5,077.56	38.37	26.63	-100.73	5,631.52	-117.79	5,703.54	5,639.20	64.34	88.646	
5,400.00	5,028.75	5,339.00	5,077.56	39.23	26.63	-100.73	5,631.52	-117.79	5,710.42	5,645.26	65.16	87.636	
5,500.00	5,119.89	5,510.45	5,243.67	40.09	27.58	-101.79	5,615.20	-156.54	5,717.80	5,650.92	66.88	85.497	
5,600.00	5,211.04	5,531.00	5,263.87	40.96	27.68	-101.91	5,613.52	-159.92	5,725.53	5,657.75	67.78	84.469	
5,700.00	5,302.18	5,576.29	5,308.49	41.82	27.88	-102.16	5,610.38	-167.04	5,734.37	5,665.60	68.77	83.383	
5,800.00	5,393.33	5,627.00	5,358.52	42.68	28.10	-102.44	5,607.97	-174.90	5,744.90	5,675.12	69.77	82.335	
5,900.00	5,484.47	5,681.16	5,411.92	43.54	28.34	-102.74	5,605.31	-183.56	5,756.14	5,685.35	70.78	81.319	
6,000.00	5,575.62	5,831.15	5,560.23	44.40	28.97	-103.53	5,597.98	-204.39	5,767.15	5,694.97	72.18	79.901	
6,100.00	5,666.76	5,914.00	5,642.76	45.26	29.25	-103.93	5,595.62	-211.27	5,778.49	5,705.26	73.23	78.907	
6,175.79	5,735.84	5,914.00	5,642.76	45.92	29.25	-103.93	5,595.62	-211.27	5,787.74	5,713.94	73.80	78.425	
6,200.00	5,757.87	5,914.00	5,642.76	46.13	29.25	-98.61	5,595.62	-211.27	5,790.43	5,716.44	73.98	78.270	
6,250.00	5,803.02	5,914.00	5,642.76	46.56	29.25	-88.52	5,595.62	-211.27	5,793.29	5,718.93	74.36	77.906	
6,300.00	5,847.42	5,914.00	5,642.76	46.99	29.25	-79.97	5,595.62	-211.27	5,792.54	5,717.78	74.75	77.488	
6,350.00	5,890.72	5,935.68	5,664.37	47.41	29.32	-73.17	5,595.47	-212.91	5,787.76	5,712.53	75.23	76.934	
6,400.00	5,932.60	5,939.76	5,668.44	47.83	29.34	-67.77	5,595.51	-213.27	5,779.62	5,703.98	75.64	76.408	
6,450.00	5,972.74	5,962.00	5,690.56	48.23	29.41	-63.75	5,596.11	-215.44	5,768.20	5,692.08	76.12	75.778	
6,500.00	6,010.83	5,962.00	5,690.56	48.61	29.41	-60.67	5,596.11	-215.44	5,752.89	5,676.39	76.51	75.194	
6,550.00	6,046.58	5,962.00	5,690.56	48.98	29.41	-58.49	5,596.11	-215.44	5,734.20	5,657.32	76.89	74.580	
6,600.00	6,079.73	5,962.00	5,690.56	49.33	29.41	-57.10	5,596.11	-215.44	5,712.24	5,634.99	77.25	73.941	
6,650.00	6,110.01	5,962.00	5,690.56	49.67	29.41	-56.41	5,596.11	-215.44	5,687.15	5,609.54	77.61	73.279	
6,700.00	6,137.21	5,962.00	5,690.56	49.98	29.41	-56.39	5,596.11	-215.44	5,659.06	5,581.11	77.95	72.597	
6,750.00	6,161.10	5,962.00	5,690.56	50.28	29.41	-57.04	5,596.11	-215.44	5,628.16	5,549.88	78.28	71.898	
6,800.00	6,181.52	5,962.00	5,690.56	50.55	29.41	-58.38	5,596.11	-215.44	5,594.62	5,516.03	78.59	71.186	
6,850.00	6,198.29	5,962.00	5,690.56	50.81	29.41	-60.48	5,596.11	-215.44	5,558.68	5,479.79	78.89	70.461	
6,900.00	6,211.31	5,962.00	5,690.56	51.05	29.41	-63.46	5,596.11	-215.44	5,520.54	5,441.37	79.17	69.728	
6,950.00	6,220.46	5,962.00	5,690.56	51.27	29.41	-67.47	5,596.11	-215.44	5,480.47	5,401.02	79.44	68.988	
7,000.00	6,225.68	5,962.00	5,690.56	51.47	29.41	-72.70	5,596.11	-215.44	5,438.72	5,359.02	79.70	68.244	
7,040.67	6,227.00	5,962.00	5,690.56	51.63	29.41	-78.01	5,596.11	-215.44	5,403.71	5,323.82	79.89	67.637	
7,100.00	6,227.00	5,962.00	5,690.56	51.85	29.41	-78.01	5,596.11	-215.44	5,352.14	5,271.97	80.18	66.755	
7,200.00	6,227.00	5,962.00	5,690.56	52.25	29.41	-78.01	5,596.11	-215.44	5,265.59	5,184.92	80.67	65.275	
7,300.00	6,227.00	5,962.00	5,690.56	52.70	29.41	-78.01	5,596.11	-215.44	5,179.51	5,098.33	81.18	63.802	
7,400.00	6,227.00	5,962.00	5,690.56	53.18	29.41	-78.01	5,596.11	-215.44	5,093.95	5,012.24	81.71	62.338	
7,500.00	6,227.00	5,962.00	5,690.56	53.71	29.41	-78.01	5,596.11	-215.44	5,008.92	4,926.65	82.27	60.883	
7,600.00	6,227.00	5,962.00	5,690.56	54.28	29.41	-78.01	5,596.11	-215.44	4,924.46	4,841.61	82.85	59.438	
7,700.00	6,227.00	5,962.00	5,690.56	54.89	29.41	-78.01	5,596.11	-215.44	4,840.58	4,757.13	83.45	58.004	
7,800.00	6,227.00	5,962.00	5,690.56	55.55	29.41	-78.01	5,596.11	-215.44	4,757.33	4,673.25	84.08	56.581	
7,900.00	6,227.00	5,962.00	5,690.56	56.25	29.41	-78.01	5,596.11	-215.44	4,674.74	4,590.01	84.73	55.170	
8,000.00	6,227.00	5,962.00	5,690.56	56.99	29.41	-78.01	5,596.11	-215.44	4,592.84	4,507.43	85.41	53.773	
8,100.00	6,227.00	5,962.00	5,690.56	57.78	29.41	-78.01	5,596.11	-215.44	4,511.67	4,425.55	86.12	52.390	
8,200.00	6,227.00	5,962.00	5,690.56	58.62	29.41	-78.01	5,596.11	-215.44	4,431.27	4,344.42	86.85	51.023	
8,300.00	6,227.00	5,962.00	5,690.56	59.49	29.41	-78.01	5,596.11	-215.44	4,351.68	4,264.07	87.61	49.672	
8,400.00	6,227.00	5,962.00	5,690.56	60.41	29.41	-78.01	5,596.11	-215.44	4,272.94	4,184.55	88.40	48.338	
8,500.00	6,227.00	5,962.00	5,690.56	61.37	29.41	-78.01	5,596.11	-215.44	4,195.12	4,105.90	89.22	47.022	
8,600.00	6,227.00	5,962.00	5,690.56	62.37	29.41	-78.01	5,596.11	-215.44	4,118.25	4,028.19	90.06	45.727	
8,700.00	6,227.00	5,962.00	5,690.56	63.41	29.41	-78.01	5,596.11	-215.44	4,042.40	3,951.46	90.94	44.452	
8,800.00	6,227.00	5,962.00	5,690.56	64.49	29.41	-78.01	5,596.11	-215.44	3,967.61	3,875.77	91.84	43.199	
8,900.00	6,227.00	5,962.00	5,690.56	65.60	29.41	-78.01	5,596.11	-215.44	3,893.96	3,801.18	92.78	41.970	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE E-A-24HNA - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 511-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	5,962.00	5,690.56	66.74	29.41	-78.01	5,596.11	-215.44	3,821.50	3,727.76	93.74	40.765	
9,100.00	6,227.00	5,962.00	5,690.56	67.92	29.41	-78.01	5,596.11	-215.44	3,750.31	3,655.58	94.74	39.587	
9,200.00	6,227.00	5,962.00	5,690.56	69.13	29.41	-78.01	5,596.11	-215.44	3,680.46	3,584.71	95.76	38.435	
9,300.00	6,227.00	5,962.00	5,690.56	70.37	29.41	-78.01	5,596.11	-215.44	3,612.03	3,515.23	96.81	37.312	
9,400.00	6,227.00	5,962.00	5,690.56	71.63	29.41	-78.01	5,596.11	-215.44	3,545.10	3,447.22	97.88	36.219	
9,500.00	6,227.00	5,962.00	5,690.56	72.92	29.41	-78.01	5,596.11	-215.44	3,479.76	3,380.78	98.98	35.158	
9,600.00	6,227.00	5,962.00	5,690.56	74.23	29.41	-78.01	5,596.11	-215.44	3,416.09	3,316.00	100.09	34.129	
9,700.00	6,227.00	5,962.00	5,690.56	75.57	29.41	-78.01	5,596.11	-215.44	3,354.20	3,252.97	101.23	33.134	
9,800.00	6,227.00	5,962.00	5,690.56	76.93	29.41	-78.01	5,596.11	-215.44	3,294.18	3,191.80	102.38	32.175	
9,900.00	6,227.00	5,983.04	5,711.39	78.31	29.48	-78.46	5,597.55	-217.98	3,235.51	3,131.78	103.73	31.193	
10,000.00	6,227.00	5,984.09	5,712.43	79.71	29.48	-78.48	5,597.66	-218.12	3,179.50	3,074.58	104.91	30.306	
10,100.00	6,227.00	5,985.20	5,713.53	81.12	29.49	-78.50	5,597.77	-218.27	3,125.68	3,019.57	106.10	29.459	
10,200.00	6,227.00	5,986.38	5,714.69	82.55	29.49	-78.53	5,597.89	-218.43	3,074.16	2,966.87	107.29	28.652	
10,300.00	6,227.00	5,987.63	5,715.92	84.00	29.49	-78.56	5,598.02	-218.60	3,025.08	2,916.60	108.47	27.887	
10,400.00	6,227.00	6,009.00	5,736.84	85.46	29.57	-79.01	5,600.91	-221.85	2,979.07	2,869.24	109.83	27.124	
10,500.00	6,227.00	6,009.00	5,736.84	86.94	29.57	-79.01	5,600.91	-221.85	2,935.11	2,824.14	110.97	26.449	
10,600.00	6,227.00	6,009.00	5,736.84	88.43	29.57	-79.01	5,600.91	-221.85	2,893.94	2,781.86	112.09	25.819	
10,700.00	6,227.00	6,009.00	5,736.84	89.93	29.57	-79.01	5,600.91	-221.85	2,855.69	2,742.53	113.16	25.236	
10,800.00	6,227.00	6,009.00	5,736.84	91.44	29.57	-79.01	5,600.91	-221.85	2,820.45	2,706.27	114.19	24.700	
10,900.00	6,227.00	6,009.00	5,736.84	92.96	29.57	-79.01	5,600.91	-221.85	2,788.37	2,673.20	115.17	24.212	
11,000.00	6,227.00	6,009.00	5,736.84	94.50	29.57	-79.01	5,600.91	-221.85	2,759.53	2,643.45	116.08	23.773	
11,100.00	6,227.00	6,009.00	5,736.84	96.04	29.57	-79.01	5,600.91	-221.85	2,734.05	2,617.13	116.93	23.383	
11,200.00	6,227.00	6,009.00	5,736.84	97.59	29.57	-79.01	5,600.91	-221.85	2,712.02	2,594.33	117.69	23.043	
11,300.00	6,227.00	6,009.00	5,736.84	99.15	29.57	-79.01	5,600.91	-221.85	2,693.53	2,575.15	118.38	22.753	
11,400.00	6,227.00	6,009.00	5,736.84	100.72	29.57	-79.01	5,600.91	-221.85	2,678.64	2,559.66	118.98	22.514	
11,500.00	6,227.00	6,009.00	5,736.84	102.30	29.57	-79.01	5,600.91	-221.85	2,667.42	2,547.94	119.48	22.325	
11,600.00	6,227.00	6,024.46	5,751.83	103.88	29.61	-79.34	5,603.69	-224.43	2,659.82	2,539.73	120.09	22.149	
11,700.00	6,227.00	6,034.42	5,761.43	105.47	29.64	-79.55	5,605.76	-226.12	2,655.92	2,535.39	120.53	22.035	
11,743.45	6,227.00	6,039.48	5,766.28	106.17	29.66	-79.66	5,606.89	-226.98	2,655.37	2,534.67	120.71	21.999	
11,808.25	6,227.00	6,057.00	5,782.98	107.20	29.71	-80.02	5,611.23	-230.01	2,655.14	2,534.07	121.08	21.929	
11,819.26	6,227.00	6,057.00	5,782.98	107.37	29.71	-80.02	5,611.23	-230.01	2,655.12	2,534.02	121.09	21.926 CC, ES	
11,900.00	6,227.00	6,057.00	5,782.98	108.66	29.71	-80.02	5,611.23	-230.01	2,656.35	2,535.16	121.19	21.919	
12,000.00	6,227.00	6,076.97	5,801.84	110.26	29.77	-80.44	5,616.77	-233.57	2,661.13	2,539.62	121.51	21.900	
12,100.00	6,227.00	6,093.91	5,817.71	111.86	29.82	-80.79	5,621.80	-236.68	2,669.48	2,547.77	121.71	21.933	
12,200.00	6,227.00	6,115.72	5,837.96	113.47	29.88	-81.23	5,628.74	-240.83	2,681.33	2,559.42	121.91	21.994	
12,300.00	6,227.00	6,148.28	5,867.60	115.08	29.96	-81.88	5,640.56	-247.23	2,696.49	2,574.26	122.23	22.060	
12,400.00	6,227.00	6,424.71	6,089.69	116.70	30.40	-86.73	5,794.22	-297.86	2,714.17	2,587.30	126.88	21.392	
12,500.00	6,227.00	6,464.00	6,117.02	118.33	30.44	-87.32	5,821.78	-303.90	2,729.92	2,602.45	127.47	21.417	
12,600.00	6,227.00	6,499.48	6,139.71	119.96	30.47	-87.80	5,848.29	-310.32	2,748.52	2,620.54	127.98	21.476	
12,700.00	6,227.00	6,682.00	6,220.73	121.60	30.59	-89.53	6,007.78	-343.05	2,765.80	2,634.04	131.76	20.991	
12,800.00	6,227.00	6,748.80	6,243.90	123.24	30.65	-90.02	6,069.27	-355.02	2,783.70	2,650.51	133.19	20.900	
12,900.00	6,227.00	7,452.00	6,279.41	124.88	33.00	-90.75	6,762.05	-417.60	2,789.91	2,641.61	148.30	18.812	
13,000.00	6,227.00	7,525.06	6,280.95	126.53	33.47	-90.78	6,835.09	-416.93	2,787.82	2,637.27	150.55	18.518	
13,100.00	6,227.00	7,621.37	6,282.14	128.18	34.19	-90.80	6,931.39	-416.69	2,786.38	2,633.10	153.28	18.178	
13,200.00	6,227.00	7,756.49	6,281.60	129.84	35.36	-90.79	7,066.50	-415.43	2,784.24	2,627.40	156.84	17.752	
13,300.00	6,227.00	7,834.00	6,280.17	131.50	36.10	-90.77	7,143.99	-414.29	2,781.63	2,622.30	159.34	17.458	
13,400.00	6,227.00	7,894.24	6,279.36	133.16	36.73	-90.75	7,204.22	-414.08	2,780.20	2,618.68	161.52	17.213	
13,423.50	6,227.00	7,906.16	6,279.34	133.55	36.85	-90.75	7,216.14	-414.19	2,780.13	2,618.15	161.98	17.163	
13,500.00	6,227.00	7,954.25	6,279.70	134.83	37.38	-90.76	7,264.22	-415.04	2,780.52	2,616.83	163.69	16.987	
13,600.00	6,227.00	8,026.00	6,281.93	136.50	38.21	-90.80	7,335.92	-416.73	2,781.79	2,615.66	166.13	16.745	
13,700.00	6,227.00	8,091.95	6,284.80	138.17	39.01	-90.86	7,401.76	-419.01	2,784.19	2,615.73	168.46	16.528	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE E-A-24HNA - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 511-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	8,188.50	6,287.79	139.85	40.22	-90.92	7,498.15	-423.58	2,787.76	2,616.25	171.51	16.254	
13,900.00	6,227.00	8,332.32	6,286.01	141.53	42.11	-90.88	7,641.85	-428.96	2,790.29	2,614.60	175.69	15.882	
14,000.00	6,227.00	8,387.26	6,284.15	143.21	42.86	-90.84	7,696.71	-431.21	2,793.00	2,615.15	177.85	15.704	
14,100.00	6,227.00	8,462.93	6,281.21	144.89	43.91	-90.78	7,772.22	-435.08	2,796.84	2,616.35	180.49	15.496	
14,200.00	6,227.00	8,611.92	6,276.63	146.58	46.03	-90.69	7,920.95	-442.54	2,800.83	2,615.91	184.92	15.146	
14,300.00	6,227.00	8,783.52	6,279.61	148.26	48.48	-90.75	8,092.47	-445.60	2,801.03	2,611.19	189.84	14.755	
14,332.92	6,227.00	8,813.53	6,280.24	148.82	48.92	-90.76	8,122.48	-445.93	2,801.00	2,610.15	190.85	14.676	
14,400.00	6,227.00	8,872.02	6,280.96	149.96	49.77	-90.78	8,180.96	-446.71	2,801.11	2,608.24	192.87	14.523	
14,500.00	6,227.00	8,932.06	6,281.42	151.65	50.66	-90.79	8,240.98	-447.96	2,802.05	2,606.79	195.25	14.351	
14,600.00	6,227.00	8,994.90	6,282.67	153.34	51.60	-90.81	8,303.76	-450.33	2,804.57	2,606.89	197.68	14.187	
14,700.00	6,227.00	9,102.20	6,284.72	155.04	53.24	-90.85	8,410.97	-454.34	2,807.12	2,605.92	201.20	13.952	
14,800.00	6,227.00	9,172.00	6,286.43	156.74	54.31	-90.89	8,480.66	-457.73	2,810.71	2,606.90	203.81	13.791	
14,900.00	6,227.00	9,232.65	6,288.13	158.44	55.27	-90.92	8,541.17	-461.43	2,815.50	2,609.33	206.17	13.656	
15,000.00	6,227.00	9,295.84	6,289.59	160.14	56.27	-90.95	8,604.20	-465.79	2,821.31	2,612.74	208.57	13.527	
15,100.00	6,227.00	9,362.00	6,290.01	161.85	57.33	-90.96	8,670.10	-471.63	2,828.79	2,617.77	211.02	13.405	
15,200.00	6,227.00	9,466.73	6,289.64	163.56	59.03	-90.94	8,774.36	-481.43	2,836.97	2,622.41	214.56	13.222	
15,300.00	6,227.00	9,526.51	6,289.48	165.26	60.01	-90.94	8,833.87	-487.20	2,845.35	2,628.52	216.83	13.122	
15,400.00	6,227.00	9,624.81	6,289.01	166.97	61.63	-90.93	8,931.63	-497.44	2,854.57	2,634.36	220.21	12.963	
15,500.00	6,227.00	9,728.02	6,287.65	168.68	63.34	-90.90	9,034.30	-507.89	2,863.47	2,639.73	223.74	12.798	
15,600.00	6,227.00	9,827.01	6,286.71	170.40	64.99	-90.88	9,132.78	-517.90	2,872.37	2,645.22	227.15	12.645	
15,700.00	6,227.00	9,963.43	6,286.55	172.11	67.26	-90.87	9,268.57	-530.93	2,880.76	2,649.12	231.64	12.436	
15,800.00	6,227.00	10,196.02	6,285.05	173.83	71.12	-90.84	9,500.60	-546.56	2,886.50	2,647.89	238.60	12.097	
15,900.00	6,227.00	10,312.76	6,282.44	175.54	73.05	-90.78	9,617.23	-551.01	2,889.05	2,646.59	242.46	11.916	
16,000.00	6,227.00	10,403.10	6,282.33	177.26	74.54	-90.78	9,707.49	-554.47	2,891.68	2,646.01	245.67	11.770	
16,100.00	6,227.00	10,525.76	6,280.24	178.98	76.58	-90.74	9,830.05	-558.81	2,893.98	2,644.30	249.68	11.591	
16,200.00	6,227.00	10,619.58	6,276.80	180.70	78.14	-90.67	9,923.75	-562.07	2,896.21	2,643.22	252.99	11.448	
16,300.00	6,227.00	10,756.45	6,271.97	182.42	80.42	-90.57	10,060.48	-565.85	2,897.71	2,640.39	257.32	11.261	
16,400.00	6,227.00	10,889.75	6,269.64	184.15	82.64	-90.53	10,193.74	-568.02	2,898.13	2,636.60	261.54	11.081	
16,410.50	6,227.00	10,904.06	6,269.39	184.33	82.88	-90.52	10,208.05	-568.16	2,898.11	2,636.12	261.98	11.062	
16,500.00	6,227.00	10,967.35	6,269.05	185.87	83.93	-90.52	10,271.33	-569.13	2,898.35	2,633.85	264.50	10.958	
16,600.00	6,227.00	11,030.00	6,269.64	187.60	84.98	-90.53	10,333.95	-570.81	2,899.75	2,632.65	267.10	10.857	
16,700.00	6,227.00	11,081.00	6,270.53	189.32	85.85	-90.54	10,384.91	-572.86	2,902.53	2,633.16	269.36	10.776	
16,800.00	6,227.00	11,081.00	6,270.53	191.05	85.85	-90.54	10,384.91	-572.86	2,907.80	2,637.66	270.15	10.764 SF	
16,900.00	6,227.00	11,081.00	6,270.53	192.78	85.85	-90.54	10,384.91	-572.86	2,916.50	2,645.87	270.63	10.777	
17,000.00	6,227.00	11,081.00	6,270.53	194.51	85.85	-90.54	10,384.91	-572.86	2,928.59	2,657.77	270.82	10.814	
17,100.00	6,227.00	11,081.00	6,270.53	196.24	85.85	-90.54	10,384.91	-572.86	2,944.03	2,673.30	270.72	10.875	
17,200.00	6,227.00	11,081.00	6,270.53	197.97	85.85	-90.54	10,384.91	-572.86	2,962.76	2,692.41	270.35	10.959	
17,300.00	6,227.00	11,081.00	6,270.53	199.70	85.85	-90.54	10,384.91	-572.86	2,984.73	2,715.03	269.70	11.067	
17,400.00	6,227.00	11,081.00	6,270.53	201.44	85.85	-90.54	10,384.91	-572.86	3,009.86	2,741.06	268.81	11.197	
17,500.00	6,227.00	11,081.00	6,270.53	203.17	85.85	-90.54	10,384.91	-572.86	3,038.08	2,770.41	267.67	11.350	
17,600.00	6,227.00	11,081.00	6,270.53	204.90	85.85	-90.54	10,384.91	-572.86	3,069.30	2,802.98	266.32	11.525	
17,700.00	6,227.00	11,081.00	6,270.53	206.64	85.85	-90.54	10,384.91	-572.86	3,103.42	2,838.66	264.76	11.722	
17,800.00	6,227.00	11,081.00	6,270.53	208.38	85.85	-90.54	10,384.91	-572.86	3,140.37	2,877.34	263.02	11.940	
17,900.00	6,227.00	11,081.00	6,270.53	210.11	85.85	-90.54	10,384.91	-572.86	3,180.03	2,918.91	261.12	12.178	
18,000.00	6,227.00	11,081.00	6,270.53	211.85	85.85	-90.54	10,384.91	-572.86	3,222.30	2,963.23	259.07	12.438	
18,100.00	6,227.00	11,081.00	6,270.53	213.59	85.85	-90.54	10,384.91	-572.86	3,267.09	3,010.20	256.89	12.718	
18,200.00	6,227.00	11,081.00	6,270.53	215.33	85.85	-90.54	10,384.91	-572.86	3,314.29	3,059.69	254.60	13.017	
18,300.00	6,227.00	11,081.00	6,270.53	217.07	85.85	-90.54	10,384.91	-572.86	3,363.81	3,111.58	252.22	13.337	
18,400.00	6,227.00	11,081.00	6,270.53	218.81	85.85	-90.54	10,384.91	-572.86	3,415.53	3,165.76	249.77	13.675	
18,500.00	6,227.00	11,081.00	6,270.53	220.55	85.85	-90.54	10,384.91	-572.86	3,469.37	3,222.12	247.25	14.032	
18,600.00	6,227.00	11,081.00	6,270.53	222.29	85.85	-90.54	10,384.91	-572.86	3,525.22	3,280.53	244.69	14.407	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 511-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,700.00	6,227.00	11,081.00	6,270.53	224.03	85.85	-90.54	10,384.91	-572.86	3,582.99	3,340.91	242.08	14.801	
18,800.00	6,227.00	11,081.00	6,270.53	225.78	85.85	-90.54	10,384.91	-572.86	3,642.59	3,403.13	239.46	15.212	
18,900.00	6,227.00	11,081.00	6,270.53	227.52	85.85	-90.54	10,384.91	-572.86	3,703.94	3,467.11	236.82	15.640	
19,000.00	6,227.00	11,081.00	6,270.53	229.26	85.85	-90.54	10,384.91	-572.86	3,766.94	3,532.75	234.18	16.085	
19,100.00	6,227.00	11,081.00	6,270.53	231.01	85.85	-90.54	10,384.91	-572.86	3,831.51	3,599.96	231.55	16.547	
19,200.00	6,227.00	11,081.00	6,270.53	232.75	85.85	-90.54	10,384.91	-572.86	3,897.58	3,668.66	228.92	17.026	
19,300.00	6,227.00	11,081.00	6,270.53	234.50	85.85	-90.54	10,384.91	-572.86	3,965.07	3,738.75	226.32	17.520	
19,400.00	6,227.00	11,081.00	6,270.53	236.25	85.85	-90.54	10,384.91	-572.86	4,033.91	3,810.17	223.74	18.030	
19,500.00	6,227.00	11,081.00	6,270.53	237.99	85.85	-90.54	10,384.91	-572.86	4,104.03	3,882.85	221.19	18.554	
19,600.00	6,227.00	11,081.00	6,270.53	239.74	85.85	-90.54	10,384.91	-572.86	4,175.38	3,956.70	218.67	19.094	
19,700.00	6,227.00	11,081.00	6,270.53	241.49	85.85	-90.54	10,384.91	-572.86	4,247.87	4,031.68	216.19	19.649	
19,800.00	6,227.00	11,081.00	6,270.53	243.24	85.85	-90.54	10,384.91	-572.86	4,321.47	4,107.72	213.75	20.217	
19,900.00	6,227.00	11,081.00	6,270.53	244.98	85.85	-90.54	10,384.91	-572.86	4,396.10	4,184.75	211.35	20.800	
20,000.00	6,227.00	11,081.00	6,270.53	246.73	85.85	-90.54	10,384.91	-572.86	4,471.73	4,262.73	209.00	21.396	
20,100.00	6,227.00	11,081.00	6,270.53	248.48	85.85	-90.54	10,384.91	-572.86	4,548.30	4,341.61	206.69	22.005	
20,200.00	6,227.00	11,081.00	6,270.53	250.23	85.85	-90.54	10,384.91	-572.86	4,625.77	4,421.34	204.43	22.628	
20,300.00	6,227.00	11,081.00	6,270.53	251.98	85.85	-90.54	10,384.91	-572.86	4,704.08	4,501.87	202.21	23.263	
20,400.00	6,227.00	11,081.00	6,270.53	253.73	85.85	-90.54	10,384.91	-572.86	4,783.20	4,583.15	200.05	23.910	
20,500.00	6,227.00	11,081.00	6,270.53	255.49	85.85	-90.54	10,384.91	-572.86	4,863.09	4,665.16	197.93	24.570	
20,600.00	6,227.00	11,081.00	6,270.53	257.24	85.85	-90.54	10,384.91	-572.86	4,943.72	4,747.86	195.86	25.241	
20,700.00	6,227.00	11,081.00	6,270.53	258.99	85.85	-90.54	10,384.91	-572.86	5,025.04	4,831.20	193.84	25.924	
20,800.00	6,227.00	11,081.00	6,270.53	260.74	85.85	-90.54	10,384.91	-572.86	5,107.02	4,915.16	191.87	26.618	
20,900.00	6,227.00	11,081.00	6,270.53	262.49	85.85	-90.54	10,384.91	-572.86	5,189.64	4,999.70	189.94	27.323	
21,000.00	6,227.00	11,081.00	6,270.53	264.25	85.85	-90.54	10,384.91	-572.86	5,272.85	5,084.79	188.06	28.038	
21,100.00	6,227.00	11,081.00	6,270.53	266.00	85.85	-90.54	10,384.91	-572.86	5,356.64	5,170.42	186.23	28.764	
21,200.00	6,227.00	11,081.00	6,270.53	267.75	85.85	-90.54	10,384.91	-572.86	5,440.98	5,256.54	184.44	29.500	
21,300.00	6,227.00	11,081.00	6,270.53	269.51	85.85	-90.54	10,384.91	-572.86	5,525.84	5,343.15	182.70	30.246	
21,400.00	6,227.00	11,081.00	6,270.53	271.26	85.85	-90.54	10,384.91	-572.86	5,611.20	5,430.20	181.00	31.001	
21,500.00	6,227.00	11,081.00	6,270.53	273.02	85.85	-90.54	10,384.91	-572.86	5,697.04	5,517.70	179.34	31.766	
21,600.00	6,227.00	11,081.00	6,270.53	274.77	85.85	-90.54	10,384.91	-572.86	5,783.33	5,605.60	177.73	32.540	
21,700.00	6,227.00	11,081.00	6,270.53	276.53	85.85	-90.54	10,384.91	-572.86	5,870.06	5,693.90	176.16	33.323	
21,800.00	6,227.00	11,081.00	6,270.53	278.28	85.85	-90.54	10,384.91	-572.86	5,957.20	5,782.57	174.63	34.114	
21,900.00	6,227.00	11,081.00	6,270.53	280.04	85.85	-90.54	10,384.91	-572.86	6,044.74	5,871.61	173.13	34.914	
22,000.00	6,227.00	11,081.00	6,270.53	281.80	85.85	-90.54	10,384.91	-572.86	6,132.66	5,960.98	171.68	35.721	
22,085.16	6,227.00	11,081.00	6,270.53	283.29	85.85	-90.54	10,384.91	-572.86	6,207.82	6,037.35	170.47	36.416	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE E-A-24HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 484-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	16.94	16.94	0.00	0.03	7.88	6,021.69	833.04	6,079.04				
100.00	100.00	122.79	122.79	0.27	0.21	7.88	6,021.63	832.99	6,078.97	6,078.49	0.48	N/A	
200.00	200.00	228.65	228.65	0.63	0.40	7.87	6,021.47	832.86	6,078.81	6,077.79	1.02	5,943.118	
300.00	300.00	334.51	334.51	0.99	0.58	7.87	6,021.23	832.65	6,078.56	6,076.99	1.56	3,885.561	
400.00	400.00	440.36	440.36	1.34	0.76	7.87	6,020.89	832.36	6,078.20	6,076.10	2.11	2,886.196	
500.00	499.98	554.14	554.14	1.70	1.09	-74.22	6,020.40	832.03	6,077.26	6,074.48	2.78	2,183.037	
600.00	599.84	654.09	654.09	2.05	1.44	-74.30	6,019.65	832.12	6,075.11	6,071.62	3.49	1,740.439	
700.00	699.45	739.97	739.96	2.41	1.75	-74.42	6,019.20	832.26	6,072.26	6,068.10	4.16	1,460.286	
800.00	798.70	860.92	860.91	2.79	2.18	-74.63	6,018.43	832.51	6,068.37	6,063.40	4.97	1,221.642	
900.00	897.47	970.00	969.98	3.19	2.57	-74.87	6,017.00	833.36	6,062.96	6,057.21	5.75	1,053.756	
1,000.00	995.62	1,012.75	1,012.72	3.62	2.71	-75.05	6,016.64	833.73	6,057.34	6,051.02	6.33	957.580	
1,100.00	1,093.06	1,062.00	1,061.97	4.09	2.88	-75.26	6,017.01	833.89	6,052.02	6,045.07	6.95	870.483	
1,200.00	1,189.64	1,062.00	1,061.97	4.59	2.88	-75.35	6,017.01	833.89	6,046.87	6,039.42	7.45	811.686	
1,300.00	1,285.27	1,126.33	1,126.28	5.14	3.09	-75.62	6,018.44	834.00	6,041.71	6,033.51	8.21	736.275	
1,400.00	1,379.82	1,155.00	1,154.94	5.74	3.19	-75.80	6,019.35	834.09	6,036.80	6,027.91	8.89	678.891	
1,500.00	1,473.17	1,195.38	1,195.28	6.40	3.32	-76.03	6,021.03	834.23	6,032.11	6,022.44	9.67	623.506	
1,600.00	1,565.21	1,246.00	1,245.82	7.12	3.50	-76.30	6,023.94	834.33	6,027.90	6,017.35	10.55	571.311	
1,614.66	1,578.59	1,246.00	1,245.82	7.23	3.50	-76.31	6,023.94	834.33	6,027.26	6,016.60	10.66	565.466	
1,700.00	1,656.38	1,360.58	1,360.21	7.88	3.89	-76.76	6,030.56	833.90	6,023.70	6,012.00	11.70	514.881	
1,800.00	1,747.52	1,429.00	1,428.52	8.67	4.13	-77.03	6,034.28	832.88	6,019.31	6,006.60	12.71	473.597	
1,900.00	1,838.67	1,481.41	1,480.81	9.47	4.31	-77.24	6,037.43	831.75	6,015.69	6,002.01	13.68	439.730	
2,000.00	1,929.81	1,544.20	1,543.45	10.28	4.53	-77.50	6,041.70	830.17	6,013.00	5,998.30	14.70	409.048	
2,100.00	2,020.96	1,765.36	1,764.14	11.10	5.32	-78.41	6,054.65	824.33	6,009.87	5,993.57	16.30	368.709	
2,200.00	2,112.10	3,403.88	3,379.83	11.92	11.43	-86.00	5,930.90	688.93	5,997.94	5,975.30	22.64	264.973	
2,300.00	2,203.25	3,456.26	3,427.85	12.75	11.70	-86.37	5,921.33	670.35	5,972.46	5,948.73	23.73	251.693	
2,400.00	2,294.39	3,501.99	3,469.24	13.59	11.95	-86.70	5,913.27	652.64	5,948.02	5,923.21	24.81	239.717	
2,500.00	2,385.54	3,577.35	3,536.32	14.43	12.39	-87.27	5,900.37	620.84	5,924.57	5,898.50	26.07	227.237	
2,600.00	2,476.68	3,636.87	3,588.37	15.27	12.77	-87.74	5,890.19	593.83	5,901.90	5,874.61	27.29	216.285	
2,700.00	2,567.83	3,674.38	3,620.74	16.11	13.02	-88.04	5,883.96	575.92	5,880.41	5,852.00	28.41	206.986	
2,800.00	2,658.97	3,709.00	3,650.28	16.96	13.26	-88.32	5,878.38	558.77	5,860.20	5,830.67	29.52	198.508	
2,900.00	2,750.12	3,751.60	3,686.44	17.80	13.57	-88.67	5,871.66	537.26	5,841.25	5,810.54	30.71	190.187	
3,000.00	2,841.26	3,804.00	3,730.89	18.65	13.96	-89.10	5,863.55	510.73	5,823.58	5,791.60	31.97	182.129	
3,100.00	2,932.41	3,921.55	3,831.02	19.50	14.88	-90.06	5,844.47	452.19	5,806.54	5,772.82	33.73	172.157	
3,200.00	3,023.55	3,953.67	3,858.44	20.35	15.15	-90.32	5,839.19	436.30	5,790.60	5,755.71	34.89	165.970	
3,300.00	3,114.70	3,996.00	3,894.51	21.21	15.49	-90.67	5,832.44	415.22	5,776.04	5,739.91	36.13	159.875	
3,400.00	3,205.84	3,996.00	3,894.51	22.06	15.49	-90.67	5,832.44	415.22	5,762.90	5,725.85	37.05	155.542	
3,500.00	3,296.99	3,996.00	3,894.51	22.92	15.49	-90.67	5,832.44	415.22	5,751.48	5,713.51	37.97	151.483	
3,600.00	3,388.13	4,042.86	3,934.42	23.77	15.89	-91.06	5,825.51	391.65	5,741.16	5,701.90	39.26	146.238	
3,700.00	3,479.28	4,091.00	3,975.39	24.63	16.30	-91.46	5,819.25	367.17	5,732.90	5,692.34	40.56	141.343	
3,800.00	3,570.42	4,091.00	3,975.39	25.48	16.30	-91.46	5,819.25	367.17	5,725.72	5,684.26	41.47	138.084	
3,900.00	3,661.57	4,127.29	4,006.28	26.34	16.62	-91.76	5,814.79	348.65	5,720.24	5,677.57	42.67	134.045	
4,000.00	3,752.71	4,211.72	4,078.18	27.20	17.37	-92.46	5,803.93	305.73	5,715.65	5,671.35	44.30	129.012	
4,100.00	3,843.86	4,251.85	4,112.03	28.05	17.74	-92.80	5,798.72	284.84	5,712.32	5,666.77	45.56	125.392	
4,200.00	3,935.00	4,281.00	4,136.43	28.91	18.01	-93.04	5,794.96	269.33	5,710.38	5,663.68	46.70	122.271	
4,280.45	4,008.33	4,306.91	4,158.00	29.60	18.27	-93.26	5,791.68	255.36	5,709.88	5,662.23	47.66	119.811	
4,300.00	4,026.15	4,311.69	4,161.98	29.77	18.31	-93.30	5,791.08	252.77	5,709.91	5,662.04	47.87	119.270	
4,400.00	4,117.29	4,335.99	4,182.14	30.63	18.55	-93.51	5,788.13	239.54	5,710.97	5,662.00	48.97	116.613	
4,500.00	4,208.44	4,374.00	4,213.57	31.49	18.92	-93.83	5,783.72	218.63	5,713.60	5,663.40	50.20	113.819	
4,600.00	4,299.58	4,397.45	4,232.97	32.35	19.16	-94.04	5,781.09	205.70	5,717.66	5,666.38	51.27	111.511	
4,700.00	4,390.73	4,457.20	4,282.75	33.21	19.75	-94.54	5,774.47	173.34	5,723.01	5,670.31	52.71	108.584	
4,800.00	4,481.88	4,708.53	4,498.54	34.07	22.15	-96.61	5,744.35	48.17	5,728.07	5,672.12	55.94	102.394	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE E-A-24HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 484-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,900.00	4,573.02	4,757.00	4,540.33	34.93	22.62	-97.00	5,737.91	24.46	5,733.82	5,676.60	57.23	100.194	
5,000.00	4,664.17	4,813.50	4,589.12	35.79	23.16	-97.46	5,730.49	-3.05	5,740.78	5,682.20	58.58	97.998	
5,100.00	4,755.31	4,852.00	4,622.48	36.65	23.54	-97.77	5,725.56	-21.62	5,748.99	5,689.24	59.75	96.218	
5,200.00	4,846.46	4,900.68	4,664.48	37.51	24.02	-98.17	5,719.34	-45.42	5,758.47	5,697.45	61.02	94.373	
5,300.00	4,937.60	4,948.00	4,704.85	38.37	24.49	-98.56	5,713.22	-69.35	5,769.30	5,707.04	62.26	92.665	
5,400.00	5,028.75	5,063.18	4,803.01	39.23	25.66	-99.51	5,697.83	-127.61	5,781.16	5,716.98	64.18	90.072	
5,500.00	5,119.89	5,164.46	4,891.07	40.09	26.65	-100.32	5,684.17	-175.71	5,793.29	5,727.37	65.92	87.890	
5,600.00	5,211.04	5,204.21	4,925.99	40.96	27.02	-100.63	5,679.04	-194.01	5,806.58	5,739.55	67.03	86.629	
5,700.00	5,302.18	5,383.44	5,084.38	41.82	28.69	-102.03	5,654.73	-274.26	5,819.93	5,750.52	69.40	83.856	
5,800.00	5,393.33	5,659.56	5,336.16	42.68	30.97	-104.05	5,617.87	-380.67	5,833.68	5,761.34	72.34	80.642	
5,900.00	5,484.47	5,713.00	5,386.74	43.54	31.34	-104.41	5,611.83	-396.81	5,846.64	5,773.21	73.43	79.620	
6,000.00	5,575.62	5,783.91	5,454.62	44.40	31.79	-104.86	5,604.71	-416.03	5,860.32	5,785.73	74.58	78.573	
6,100.00	5,666.76	5,850.19	5,518.43	45.26	32.17	-105.27	5,598.52	-432.78	5,874.59	5,798.91	75.67	77.631	
6,175.79	5,735.84	5,876.31	5,543.77	45.92	32.31	-105.43	5,596.53	-438.80	5,886.17	5,809.82	76.35	77.096	
6,200.00	5,757.87	5,906.00	5,572.66	46.13	32.48	-100.24	5,594.61	-445.39	5,889.63	5,812.95	76.68	76.804	
6,250.00	5,803.02	5,906.00	5,572.66	46.56	32.48	-90.10	5,594.61	-445.39	5,893.80	5,816.75	77.05	76.497	
6,300.00	5,847.42	6,049.79	5,714.12	46.99	33.12	-82.37	5,587.62	-469.88	5,893.71	5,815.64	78.08	75.484	
6,350.00	5,890.72	6,139.62	5,803.46	47.41	33.43	-75.97	5,585.31	-478.68	5,889.43	5,810.62	78.80	74.738	
6,400.00	5,932.60	6,192.00	5,855.74	47.83	33.59	-70.88	5,584.55	-481.84	5,881.05	5,801.68	79.36	74.104	
6,450.00	5,972.74	6,192.00	5,855.74	48.23	33.59	-66.79	5,584.55	-481.84	5,869.15	5,789.39	79.76	73.586	
6,500.00	6,010.83	6,192.00	5,855.74	48.61	33.59	-63.79	5,584.55	-481.84	5,853.87	5,773.72	80.15	73.036	
6,550.00	6,046.58	6,192.00	5,855.74	48.98	33.59	-61.70	5,584.55	-481.84	5,835.29	5,754.76	80.53	72.458	
6,600.00	6,079.73	6,192.00	5,855.74	49.33	33.59	-60.42	5,584.55	-481.84	5,813.54	5,732.63	80.91	71.856	
6,650.00	6,110.01	6,192.00	5,855.74	49.67	33.59	-59.87	5,584.55	-481.84	5,788.73	5,707.46	81.26	71.233	
6,700.00	6,137.21	6,192.00	5,855.74	49.98	33.59	-60.00	5,584.55	-481.84	5,761.02	5,679.41	81.61	70.591	
6,750.00	6,161.10	6,192.00	5,855.74	50.28	33.59	-60.81	5,584.55	-481.84	5,730.58	5,648.64	81.94	69.934	
6,800.00	6,181.52	6,192.00	5,855.74	50.55	33.59	-62.32	5,584.55	-481.84	5,697.60	5,615.34	82.26	69.264	
6,850.00	6,198.29	6,215.41	5,879.12	50.81	33.64	-64.91	5,584.99	-482.82	5,661.72	5,579.09	82.64	68.514	
6,900.00	6,211.31	6,216.70	5,880.41	51.05	33.65	-68.12	5,585.05	-482.88	5,624.24	5,541.31	82.93	67.820	
6,950.00	6,220.46	6,217.69	5,881.40	51.27	33.65	-72.30	5,585.10	-482.92	5,584.92	5,501.71	83.21	67.122	
7,000.00	6,225.68	6,240.00	5,903.62	51.47	33.70	-78.00	5,586.75	-483.81	5,544.49	5,460.95	83.54	66.370	
7,040.67	6,227.00	6,240.00	5,903.62	51.63	33.70	-83.25	5,586.75	-483.81	5,510.22	5,426.48	83.74	65.801	
7,100.00	6,227.00	6,240.00	5,903.62	51.85	33.70	-83.25	5,586.75	-483.81	5,459.79	5,375.76	84.03	64.974	
7,200.00	6,227.00	6,240.00	5,903.62	52.25	33.70	-83.25	5,586.75	-483.81	5,375.20	5,290.66	84.53	63.586	
7,300.00	6,227.00	6,240.00	5,903.62	52.70	33.70	-83.25	5,586.75	-483.81	5,291.14	5,206.08	85.06	62.206	
7,400.00	6,227.00	6,240.00	5,903.62	53.18	33.70	-83.25	5,586.75	-483.81	5,207.65	5,122.04	85.60	60.835	
7,500.00	6,227.00	6,240.00	5,903.62	53.71	33.70	-83.25	5,586.75	-483.81	5,124.74	5,038.57	86.17	59.472	
7,600.00	6,227.00	6,240.00	5,903.62	54.28	33.70	-83.25	5,586.75	-483.81	5,042.46	4,955.70	86.76	58.118	
7,700.00	6,227.00	6,240.00	5,903.62	54.89	33.70	-83.25	5,586.75	-483.81	4,960.83	4,873.45	87.38	56.775	
7,800.00	6,227.00	6,240.00	5,903.62	55.55	33.70	-83.25	5,586.75	-483.81	4,879.88	4,791.86	88.01	55.444	
7,900.00	6,227.00	6,240.00	5,903.62	56.25	33.70	-83.25	5,586.75	-483.81	4,799.65	4,710.97	88.68	54.125	
8,000.00	6,227.00	6,240.00	5,903.62	56.99	33.70	-83.25	5,586.75	-483.81	4,720.17	4,630.81	89.37	52.819	
8,100.00	6,227.00	6,240.00	5,903.62	57.78	33.70	-83.25	5,586.75	-483.81	4,641.49	4,551.41	90.08	51.527	
8,200.00	6,227.00	6,240.00	5,903.62	58.62	33.70	-83.25	5,586.75	-483.81	4,563.65	4,472.83	90.82	50.250	
8,300.00	6,227.00	6,240.00	5,903.62	59.49	33.70	-83.25	5,586.75	-483.81	4,486.68	4,395.09	91.59	48.989	
8,400.00	6,227.00	6,240.00	5,903.62	60.41	33.70	-83.25	5,586.75	-483.81	4,410.63	4,318.26	92.38	47.745	
8,500.00	6,227.00	6,240.00	5,903.62	61.37	33.70	-83.25	5,586.75	-483.81	4,335.56	4,242.36	93.20	46.520	
8,600.00	6,227.00	6,240.00	5,903.62	62.37	33.70	-83.25	5,586.75	-483.81	4,261.52	4,167.47	94.04	45.314	
8,700.00	6,227.00	6,240.00	5,903.62	63.41	33.70	-83.25	5,586.75	-483.81	4,188.55	4,093.63	94.92	44.128	
8,800.00	6,227.00	6,240.00	5,903.62	64.49	33.70	-83.25	5,586.75	-483.81	4,116.71	4,020.90	95.82	42.964	
8,900.00	6,227.00	6,240.00	5,903.62	65.60	33.70	-83.25	5,586.75	-483.81	4,046.08	3,949.34	96.74	41.823	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE E-A-24HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 484-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	6,240.00	5,903.62	66.74	33.70	-83.25	5,586.75	-483.81	3,976.70	3,879.01	97.69	40.706	
9,100.00	6,227.00	6,240.00	5,903.62	67.92	33.70	-83.25	5,586.75	-483.81	3,908.65	3,809.98	98.67	39.614	
9,200.00	6,227.00	6,240.00	5,903.62	69.13	33.70	-83.25	5,586.75	-483.81	3,842.00	3,742.33	99.67	38.548	
9,300.00	6,227.00	6,240.00	5,903.62	70.37	33.70	-83.25	5,586.75	-483.81	3,776.82	3,676.13	100.69	37.510	
9,400.00	6,227.00	6,240.00	5,903.62	71.63	33.70	-83.25	5,586.75	-483.81	3,713.19	3,611.46	101.73	36.500	
9,500.00	6,227.00	6,240.00	5,903.62	72.92	33.70	-83.25	5,586.75	-483.81	3,651.19	3,548.40	102.79	35.521	
9,600.00	6,227.00	6,240.00	5,903.62	74.23	33.70	-83.25	5,586.75	-483.81	3,590.91	3,487.04	103.87	34.572	
9,700.00	6,227.00	6,240.00	5,903.62	75.57	33.70	-83.25	5,586.75	-483.81	3,532.43	3,427.47	104.96	33.656	
9,800.00	6,227.00	6,240.00	5,903.62	76.93	33.70	-83.25	5,586.75	-483.81	3,475.84	3,369.78	106.05	32.774	
9,900.00	6,227.00	6,240.00	5,903.62	78.31	33.70	-83.25	5,586.75	-483.81	3,421.24	3,314.08	107.16	31.926	
10,000.00	6,227.00	6,240.00	5,903.62	79.71	33.70	-83.25	5,586.75	-483.81	3,368.72	3,260.45	108.27	31.114	
10,100.00	6,227.00	6,240.00	5,903.62	81.12	33.70	-83.25	5,586.75	-483.81	3,318.39	3,209.01	109.38	30.339	
10,200.00	6,227.00	6,240.00	5,903.62	82.55	33.70	-83.25	5,586.75	-483.81	3,270.34	3,159.86	110.48	29.602	
10,300.00	6,227.00	6,240.00	5,903.62	84.00	33.70	-83.25	5,586.75	-483.81	3,224.67	3,113.11	111.56	28.904	
10,400.00	6,227.00	6,240.00	5,903.62	85.46	33.70	-83.25	5,586.75	-483.81	3,181.50	3,068.86	112.64	28.246	
10,500.00	6,227.00	6,240.00	5,903.62	86.94	33.70	-83.25	5,586.75	-483.81	3,140.91	3,027.23	113.69	27.628	
10,600.00	6,227.00	6,260.98	5,924.40	88.43	33.74	-83.66	5,589.53	-484.66	3,102.65	2,987.80	114.84	27.016	
10,700.00	6,227.00	6,264.31	5,927.68	89.93	33.75	-83.73	5,590.10	-484.80	3,067.45	2,951.59	115.86	26.476	
10,800.00	6,227.00	6,268.10	5,931.40	91.44	33.76	-83.80	5,590.80	-484.97	3,035.11	2,918.28	116.84	25.978	
10,900.00	6,227.00	6,288.00	5,950.79	92.96	33.79	-84.19	5,595.17	-485.85	3,005.91	2,888.02	117.89	25.497	
11,000.00	6,227.00	6,288.00	5,950.79	94.50	33.79	-84.19	5,595.17	-485.85	2,979.46	2,860.71	118.75	25.090	
11,100.00	6,227.00	6,288.00	5,950.79	96.04	33.79	-84.19	5,595.17	-485.85	2,956.17	2,836.62	119.55	24.727	
11,200.00	6,227.00	6,288.00	5,950.79	97.59	33.79	-84.19	5,595.17	-485.85	2,936.10	2,815.81	120.29	24.409	
11,300.00	6,227.00	6,288.00	5,950.79	99.15	33.79	-84.19	5,595.17	-485.85	2,919.32	2,798.35	120.96	24.134	
11,400.00	6,227.00	6,309.28	5,971.13	100.72	33.82	-84.59	5,601.33	-486.83	2,905.67	2,783.92	121.75	23.867	
11,500.00	6,227.00	6,336.00	5,995.88	102.30	33.86	-85.08	5,611.29	-488.08	2,895.40	2,772.87	122.54	23.629	
11,600.00	6,227.00	6,336.00	5,995.88	103.88	33.86	-85.08	5,611.29	-488.08	2,888.23	2,765.22	123.01	23.480	
11,700.00	6,227.00	6,356.44	6,014.15	105.47	33.88	-85.45	5,620.39	-489.11	2,884.32	2,760.71	123.62	23.333	
11,743.45	6,227.00	6,364.76	6,021.42	106.17	33.89	-85.59	5,624.41	-489.57	2,883.62	2,759.76	123.86	23.281	
11,808.25	6,227.00	6,384.00	6,037.85	107.20	33.90	-85.92	5,634.35	-490.73	2,882.94	2,758.66	124.28	23.196	
11,850.64	6,227.00	6,393.34	6,045.65	107.87	33.91	-86.07	5,639.45	-491.33	2,882.69	2,758.17	124.52	23.151 CC	
11,900.00	6,227.00	6,418.17	6,066.09	108.66	33.92	-86.48	5,653.46	-492.92	2,882.99	2,758.05	124.94	23.075 ES	
12,000.00	6,227.00	6,449.14	6,090.98	110.26	33.94	-86.98	5,671.77	-494.99	2,885.58	2,760.03	125.55	22.984	
12,100.00	6,227.00	6,478.00	6,113.67	111.86	33.95	-87.43	5,689.44	-497.34	2,891.12	2,765.02	126.10	22.927	
12,200.00	6,227.00	6,536.70	6,158.95	113.47	33.97	-88.33	5,726.44	-502.49	2,899.15	2,772.13	127.02	22.824	
12,300.00	6,227.00	6,574.00	6,187.10	115.08	33.99	-88.89	5,750.67	-505.92	2,909.43	2,781.78	127.65	22.793	
12,400.00	6,227.00	6,607.68	6,210.90	116.70	34.01	-89.36	5,774.18	-509.60	2,922.29	2,794.08	128.22	22.792	
12,500.00	6,227.00	6,991.61	6,394.02	118.33	34.08	-92.95	6,106.06	-547.51	2,936.05	2,801.35	134.70	21.797	
12,600.00	6,227.00	7,102.00	6,417.09	119.96	34.12	-93.40	6,213.71	-554.18	2,942.22	2,805.22	137.00	21.475	
12,700.00	6,227.00	7,212.61	6,424.30	121.60	34.23	-93.53	6,323.74	-561.42	2,947.98	2,808.51	139.47	21.138	
12,800.00	6,227.00	7,299.00	6,422.63	123.24	34.38	-93.49	6,409.91	-567.34	2,953.54	2,811.94	141.60	20.858	
12,900.00	6,227.00	7,349.83	6,421.38	124.88	34.50	-93.46	6,460.56	-571.44	2,960.32	2,817.20	143.12	20.684	
13,000.00	6,227.00	7,595.34	6,420.69	126.53	35.44	-93.43	6,705.33	-589.52	2,967.80	2,819.21	148.59	19.973	
13,100.00	6,227.00	7,637.00	6,421.06	128.18	35.65	-93.44	6,746.93	-591.67	2,971.66	2,821.51	150.15	19.792	
13,200.00	6,227.00	7,801.54	6,419.99	129.84	36.64	-93.41	6,911.29	-598.89	2,974.48	2,820.24	154.25	19.284	
13,300.00	6,227.00	7,952.61	6,419.50	131.50	37.77	-93.40	7,062.29	-602.95	2,975.83	2,817.68	158.14	18.817	
13,400.00	6,227.00	8,028.59	6,419.57	133.16	38.42	-93.40	7,138.25	-604.99	2,977.26	2,816.66	160.60	18.538	
13,500.00	6,227.00	8,116.00	6,419.31	134.83	39.23	-93.39	7,225.62	-607.26	2,978.70	2,815.37	163.33	18.237	
13,600.00	6,227.00	8,181.89	6,419.43	136.50	39.90	-93.39	7,291.47	-609.47	2,981.02	2,815.38	165.64	17.997	
13,700.00	6,227.00	8,286.41	6,419.82	138.17	41.03	-93.40	7,395.87	-614.52	2,984.70	2,815.89	168.82	17.680	
13,800.00	6,227.00	8,444.60	6,422.20	139.85	42.85	-93.44	7,553.97	-619.12	2,986.32	2,813.15	173.18	17.244	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE E-A-24HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 484-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	8,554.71	6,422.84	141.53	44.18	-93.45	7,664.05	-621.65	2,987.47	2,810.93	176.54	16.922	
14,000.00	6,227.00	8,694.55	6,420.90	143.21	45.95	-93.41	7,803.85	-623.61	2,987.59	2,807.03	180.56	16.546	
14,049.87	6,227.00	8,727.97	6,420.92	144.05	46.38	-93.41	7,837.27	-623.93	2,987.47	2,805.65	181.82	16.431	
14,100.00	6,227.00	8,763.80	6,421.07	144.89	46.85	-93.42	7,873.10	-624.44	2,987.59	2,804.46	183.13	16.314	
14,200.00	6,227.00	8,885.92	6,421.02	146.58	48.49	-93.42	7,995.20	-626.30	2,987.96	2,801.13	186.83	15.993	
14,211.01	6,227.00	8,901.88	6,420.79	146.76	48.70	-93.41	8,011.16	-626.45	2,987.92	2,800.63	187.29	15.953	
14,300.00	6,227.00	8,926.85	6,420.69	148.26	49.06	-93.41	8,036.12	-627.16	2,988.74	2,799.92	188.82	15.828	
14,400.00	6,227.00	8,977.00	6,420.66	149.96	49.76	-93.41	8,086.23	-629.17	2,991.41	2,800.44	190.97	15.665	
14,500.00	6,227.00	9,047.58	6,420.72	151.65	50.77	-93.40	8,156.71	-632.92	2,995.46	2,801.88	193.57	15.475	
14,600.00	6,227.00	9,214.39	6,421.10	153.34	53.21	-93.41	8,323.33	-640.59	2,998.97	2,800.54	198.43	15.113	
14,700.00	6,227.00	9,315.76	6,420.21	155.04	54.71	-93.39	8,424.65	-643.70	3,000.78	2,798.99	201.79	14.871	
14,800.00	6,227.00	9,402.98	6,419.05	156.74	56.02	-93.36	8,511.81	-646.93	3,003.19	2,798.35	204.84	14.661	
14,900.00	6,227.00	9,534.79	6,417.89	158.44	58.02	-93.34	8,643.53	-651.44	3,005.42	2,796.50	208.92	14.386	
15,000.00	6,227.00	9,601.55	6,416.42	160.14	59.05	-93.31	8,710.24	-653.52	3,007.27	2,795.74	211.53	14.217	
15,100.00	6,227.00	9,675.70	6,416.19	161.85	60.19	-93.30	8,784.31	-656.86	3,010.48	2,796.18	214.30	14.048	
15,200.00	6,227.00	9,780.73	6,418.94	163.56	61.84	-93.35	8,889.21	-661.21	3,013.57	2,795.77	217.80	13.836	
15,300.00	6,227.00	9,870.26	6,421.05	165.26	63.25	-93.39	8,978.62	-665.39	3,017.14	2,796.20	220.94	13.656	
15,400.00	6,227.00	9,967.78	6,421.58	166.97	64.80	-93.39	9,076.03	-669.84	3,020.55	2,796.26	224.28	13.467	
15,500.00	6,227.00	10,042.24	6,421.26	168.68	66.00	-93.38	9,150.38	-673.87	3,024.70	2,797.62	227.08	13.320	
15,600.00	6,227.00	10,158.07	6,423.00	170.40	67.87	-93.41	9,266.01	-680.29	3,029.16	2,798.28	230.88	13.120	
15,700.00	6,227.00	10,272.02	6,427.41	172.11	69.71	-93.49	9,379.77	-685.30	3,032.54	2,797.91	234.63	12.925	
15,800.00	6,227.00	10,351.02	6,430.12	173.83	71.00	-93.54	9,458.63	-689.14	3,036.41	2,798.87	237.55	12.782	
15,900.00	6,227.00	10,479.90	6,433.71	175.54	73.11	-93.60	9,587.28	-695.91	3,040.78	2,799.10	241.67	12.582	
16,000.00	6,227.00	10,617.07	6,434.12	177.26	75.35	-93.60	9,724.35	-700.83	3,043.08	2,797.09	245.99	12.371	
16,100.00	6,227.00	10,698.00	6,433.17	178.98	76.69	-93.58	9,805.22	-703.86	3,045.53	2,796.54	248.99	12.231	
16,200.00	6,227.00	10,782.89	6,431.65	180.70	78.09	-93.55	9,890.02	-707.55	3,048.54	2,796.45	252.09	12.093	
16,300.00	6,227.00	10,854.23	6,429.97	182.42	79.28	-93.51	9,961.25	-711.07	3,052.15	2,797.29	254.86	11.976	
16,400.00	6,227.00	10,930.80	6,427.87	184.15	80.57	-93.47	10,037.66	-715.61	3,056.69	2,798.94	257.75	11.859	
16,500.00	6,227.00	11,009.83	6,425.06	185.87	81.90	-93.41	10,116.46	-720.81	3,061.86	2,801.17	260.69	11.745	
16,600.00	6,227.00	11,089.80	6,421.42	187.60	83.26	-93.34	10,196.13	-726.79	3,067.84	2,804.18	263.66	11.636	
16,700.00	6,227.00	11,201.71	6,414.14	189.32	85.17	-93.20	10,307.51	-734.85	3,073.44	2,805.97	267.47	11.491	
16,800.00	6,227.00	11,278.00	6,407.96	191.05	86.47	-93.08	10,383.31	-740.88	3,079.70	2,809.35	270.35	11.392 SF	
16,900.00	6,227.00	11,278.00	6,407.96	192.78	86.47	-93.08	10,383.31	-740.88	3,087.90	2,816.89	271.01	11.394	
17,000.00	6,227.00	11,278.00	6,407.96	194.51	86.47	-93.08	10,383.31	-740.88	3,099.31	2,827.89	271.42	11.419	
17,100.00	6,227.00	11,278.00	6,407.96	196.24	86.47	-93.08	10,383.31	-740.88	3,113.89	2,842.33	271.56	11.467	
17,200.00	6,227.00	11,278.00	6,407.96	197.97	86.47	-93.08	10,383.31	-740.88	3,131.59	2,860.14	271.45	11.536	
17,300.00	6,227.00	11,278.00	6,407.96	199.70	86.47	-93.08	10,383.31	-740.88	3,152.37	2,881.27	271.10	11.628	
17,400.00	6,227.00	11,278.00	6,407.96	201.44	86.47	-93.08	10,383.31	-740.88	3,176.16	2,905.64	270.52	11.741	
17,500.00	6,227.00	11,278.00	6,407.96	203.17	86.47	-93.08	10,383.31	-740.88	3,202.90	2,933.19	269.71	11.875	
17,600.00	6,227.00	11,278.00	6,407.96	204.90	86.47	-93.08	10,383.31	-740.88	3,232.52	2,963.81	268.70	12.030	
17,700.00	6,227.00	11,278.00	6,407.96	206.64	86.47	-93.08	10,383.31	-740.88	3,264.93	2,997.43	267.50	12.205	
17,800.00	6,227.00	11,278.00	6,407.96	208.38	86.47	-93.08	10,383.31	-740.88	3,300.05	3,033.93	266.12	12.401	
17,900.00	6,227.00	11,278.00	6,407.96	210.11	86.47	-93.08	10,383.31	-740.88	3,337.80	3,073.22	264.58	12.616	
18,000.00	6,227.00	11,278.00	6,407.96	211.85	86.47	-93.08	10,383.31	-740.88	3,378.09	3,115.20	262.89	12.850	
18,100.00	6,227.00	11,278.00	6,407.96	213.59	86.47	-93.08	10,383.31	-740.88	3,420.82	3,159.76	261.07	13.103	
18,200.00	6,227.00	11,278.00	6,407.96	215.33	86.47	-93.08	10,383.31	-740.88	3,465.92	3,206.79	259.13	13.375	
18,300.00	6,227.00	11,278.00	6,407.96	217.07	86.47	-93.08	10,383.31	-740.88	3,513.29	3,256.19	257.10	13.665	
18,400.00	6,227.00	11,278.00	6,407.96	218.81	86.47	-93.08	10,383.31	-740.88	3,562.83	3,307.85	254.98	13.973	
18,500.00	6,227.00	11,278.00	6,407.96	220.55	86.47	-93.08	10,383.31	-740.88	3,614.46	3,361.68	252.78	14.299	
18,600.00	6,227.00	11,278.00	6,407.96	222.29	86.47	-93.08	10,383.31	-740.88	3,668.09	3,417.57	250.53	14.642	
18,700.00	6,227.00	11,278.00	6,407.96	224.03	86.47	-93.08	10,383.31	-740.88	3,723.64	3,475.42	248.22	15.001	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE E-A-24HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 484-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,800.00	6,227.00	11,278.00	6,407.96	225.78	86.47	-93.08	10,383.31	-740.88	3,781.01	3,535.13	245.88	15.377	
18,900.00	6,227.00	11,278.00	6,407.96	227.52	86.47	-93.08	10,383.31	-740.88	3,840.14	3,596.62	243.51	15.770	
19,000.00	6,227.00	11,278.00	6,407.96	229.26	86.47	-93.08	10,383.31	-740.88	3,900.93	3,659.80	241.13	16.178	
19,100.00	6,227.00	11,278.00	6,407.96	231.01	86.47	-93.08	10,383.31	-740.88	3,963.31	3,724.58	238.73	16.602	
19,200.00	6,227.00	11,278.00	6,407.96	232.75	86.47	-93.08	10,383.31	-740.88	4,027.20	3,790.87	236.33	17.041	
19,300.00	6,227.00	11,278.00	6,407.96	234.50	86.47	-93.08	10,383.31	-740.88	4,092.55	3,858.61	233.94	17.494	
19,400.00	6,227.00	11,278.00	6,407.96	236.25	86.47	-93.08	10,383.31	-740.88	4,159.27	3,927.72	231.55	17.963	
19,500.00	6,227.00	11,278.00	6,407.96	237.99	86.47	-93.08	10,383.31	-740.88	4,227.30	3,998.12	229.18	18.445	
19,600.00	6,227.00	11,278.00	6,407.96	239.74	86.47	-93.08	10,383.31	-740.88	4,296.59	4,069.76	226.83	18.942	
19,700.00	6,227.00	11,278.00	6,407.96	241.49	86.47	-93.08	10,383.31	-740.88	4,367.06	4,142.56	224.51	19.452	
19,800.00	6,227.00	11,278.00	6,407.96	243.24	86.47	-93.08	10,383.31	-740.88	4,438.67	4,216.46	222.21	19.975	
19,900.00	6,227.00	11,278.00	6,407.96	244.98	86.47	-93.08	10,383.31	-740.88	4,511.36	4,291.42	219.94	20.512	
20,000.00	6,227.00	11,278.00	6,407.96	246.73	86.47	-93.08	10,383.31	-740.88	4,585.08	4,367.37	217.71	21.061	
20,100.00	6,227.00	11,278.00	6,407.96	248.48	86.47	-93.08	10,383.31	-740.88	4,659.78	4,444.27	215.51	21.622	
20,200.00	6,227.00	11,278.00	6,407.96	250.23	86.47	-93.08	10,383.31	-740.88	4,735.41	4,522.07	213.35	22.196	
20,300.00	6,227.00	11,278.00	6,407.96	251.98	86.47	-93.08	10,383.31	-740.88	4,811.93	4,600.71	211.22	22.782	
20,400.00	6,227.00	11,278.00	6,407.96	253.73	86.47	-93.08	10,383.31	-740.88	4,889.30	4,680.17	209.14	23.379	
20,500.00	6,227.00	11,278.00	6,407.96	255.49	86.47	-93.08	10,383.31	-740.88	4,967.48	4,760.39	207.09	23.987	
20,600.00	6,227.00	11,278.00	6,407.96	257.24	86.47	-93.08	10,383.31	-740.88	5,046.43	4,841.34	205.08	24.607	
20,700.00	6,227.00	11,278.00	6,407.96	258.99	86.47	-93.08	10,383.31	-740.88	5,126.11	4,922.99	203.12	25.237	
20,800.00	6,227.00	11,278.00	6,407.96	260.74	86.47	-93.08	10,383.31	-740.88	5,206.49	5,005.30	201.20	25.878	
20,900.00	6,227.00	11,278.00	6,407.96	262.49	86.47	-93.08	10,383.31	-740.88	5,287.55	5,088.23	199.31	26.529	
21,000.00	6,227.00	11,278.00	6,407.96	264.25	86.47	-93.08	10,383.31	-740.88	5,369.24	5,171.77	197.47	27.190	
21,100.00	6,227.00	11,278.00	6,407.96	266.00	86.47	-93.08	10,383.31	-740.88	5,451.54	5,255.87	195.67	27.860	
21,200.00	6,227.00	11,278.00	6,407.96	267.75	86.47	-93.08	10,383.31	-740.88	5,534.43	5,340.51	193.91	28.541	
21,300.00	6,227.00	11,278.00	6,407.96	269.51	86.47	-93.08	10,383.31	-740.88	5,617.87	5,425.68	192.19	29.230	
21,400.00	6,227.00	11,278.00	6,407.96	271.26	86.47	-93.08	10,383.31	-740.88	5,701.84	5,511.33	190.51	29.929	
21,500.00	6,227.00	11,278.00	6,407.96	273.02	86.47	-93.08	10,383.31	-740.88	5,786.33	5,597.46	188.87	30.636	
21,600.00	6,227.00	11,278.00	6,407.96	274.77	86.47	-93.08	10,383.31	-740.88	5,871.30	5,684.03	187.27	31.352	
21,700.00	6,227.00	11,278.00	6,407.96	276.53	86.47	-93.08	10,383.31	-740.88	5,956.74	5,771.04	185.70	32.077	
21,800.00	6,227.00	11,278.00	6,407.96	278.28	86.47	-93.08	10,383.31	-740.88	6,042.63	5,858.45	184.17	32.809	
21,900.00	6,227.00	11,278.00	6,407.96	280.04	86.47	-93.08	10,383.31	-740.88	6,128.94	5,946.26	182.68	33.550	
22,000.00	6,227.00	11,278.00	6,407.96	281.80	86.47	-93.08	10,383.31	-740.88	6,215.66	6,034.44	181.23	34.298	
22,085.16	6,227.00	11,278.00	6,407.96	283.29	86.47	-93.08	10,383.31	-740.88	6,289.83	6,109.81	180.01	34.941	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE J-F-24HZ - OWB - FINAL SURVEY												Offset Well Error:	0.00 usft
Survey Program:		94-MWD OWSG											
Reference				Offset				Semi Major Axis				Distance	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	49.77	49.77	0.00	0.08	7.08	6,021.91	747.98	6,068.29				
100.00	100.00	224.66	224.64	0.27	0.61	7.07	6,019.50	747.08	6,066.69	6,065.81	0.88	6,877.098	
200.00	200.00	314.02	313.99	0.63	0.93	7.07	6,017.95	746.90	6,064.95	6,063.39	1.56	3,891.807	
300.00	300.00	419.73	419.68	0.99	1.31	7.08	6,016.16	746.96	6,063.27	6,060.98	2.29	2,642.251	
400.00	400.00	488.63	488.57	1.34	1.56	7.08	6,015.13	746.89	6,061.78	6,058.88	2.90	2,090.554	
500.00	499.98	582.51	582.45	1.70	1.90	-75.02	6,014.13	746.62	6,060.23	6,056.64	3.59	1,688.866	
600.00	599.84	682.41	682.34	2.05	2.26	-75.11	6,012.99	746.30	6,057.71	6,053.41	4.30	1,409.172	
700.00	699.45	774.13	774.05	2.41	2.59	-75.25	6,012.07	745.90	6,054.42	6,049.43	4.99	1,213.141	
800.00	798.70	883.58	883.49	2.79	2.98	-75.46	6,010.97	745.14	6,050.22	6,044.46	5.76	1,050.223	
900.00	897.47	979.26	979.16	3.19	3.32	-75.71	6,009.96	744.25	6,045.12	6,038.62	6.50	929.704	
1,000.00	995.62	1,087.45	1,087.34	3.62	3.71	-76.02	6,008.81	743.23	6,039.19	6,031.88	7.32	825.529	
1,100.00	1,093.06	1,183.59	1,183.48	4.09	4.05	-76.36	6,007.61	742.37	6,032.33	6,024.21	8.12	742.991	
1,200.00	1,189.64	1,268.60	1,268.48	4.59	4.36	-76.72	6,006.71	741.54	6,024.91	6,015.98	8.92	675.313	
1,300.00	1,285.27	1,368.32	1,368.19	5.14	4.72	-77.15	6,005.69	740.60	6,016.86	6,007.03	9.82	612.614	
1,400.00	1,379.82	1,455.60	1,455.46	5.74	5.03	-77.59	6,004.81	739.82	6,008.20	5,997.47	10.73	560.063	
1,500.00	1,473.17	1,547.72	1,547.57	6.40	5.36	-78.09	6,003.97	739.02	5,999.09	5,987.38	11.71	512.452	
1,600.00	1,565.21	1,651.65	1,651.49	7.12	5.73	-78.67	6,002.92	738.09	5,989.40	5,976.61	12.79	468.374	
1,614.66	1,578.59	1,668.93	1,668.77	7.23	5.80	-78.76	6,002.72	737.97	5,987.92	5,974.96	12.96	462.092	
1,700.00	1,656.38	1,761.72	1,761.55	7.88	6.13	-79.13	6,001.40	737.67	5,979.22	5,965.29	13.94	429.019	
1,800.00	1,747.52	1,838.52	1,838.35	8.67	6.40	-79.43	6,000.32	737.69	5,969.33	5,954.34	14.99	398.261	
1,900.00	1,838.67	2,976.00	2,965.75	9.47	10.77	-84.40	5,890.75	681.94	5,952.85	5,933.22	19.63	303.264	
2,000.00	1,929.81	3,025.15	3,013.79	10.28	10.98	-84.65	5,881.86	676.54	5,928.36	5,907.73	20.63	287.412	
2,100.00	2,020.96	3,059.06	3,047.01	11.10	11.13	-84.82	5,876.07	673.00	5,905.03	5,883.44	21.59	273.560	
2,200.00	2,112.10	3,102.00	3,089.17	11.92	11.32	-85.04	5,869.13	668.73	5,882.84	5,860.25	22.58	260.477	
2,300.00	2,203.25	3,738.86	3,706.36	12.75	14.36	-88.41	5,735.30	590.52	5,854.07	5,828.51	25.56	229.071	
2,400.00	2,294.39	3,822.44	3,786.39	13.59	14.80	-88.88	5,714.35	578.53	5,825.17	5,798.45	26.72	217.985	
2,500.00	2,385.54	3,901.00	3,861.57	14.43	15.22	-89.33	5,694.64	567.04	5,796.73	5,768.84	27.88	207.889	
2,600.00	2,476.68	3,976.00	3,933.35	15.27	15.62	-89.76	5,675.86	556.13	5,768.81	5,739.77	29.04	198.641	
2,700.00	2,567.83	4,017.19	3,972.83	16.11	15.84	-89.99	5,665.70	550.21	5,741.70	5,711.61	30.09	190.787	
2,800.00	2,658.97	4,058.01	4,012.03	16.96	16.06	-90.23	5,655.91	544.46	5,715.64	5,684.49	31.15	183.469	
2,900.00	2,750.12	4,101.00	4,053.42	17.80	16.29	-90.47	5,645.89	538.52	5,690.64	5,658.42	32.22	176.594	
3,000.00	2,841.26	4,182.65	4,132.04	18.65	16.73	-90.94	5,627.11	526.98	5,666.42	5,632.99	33.43	169.489	
3,100.00	2,932.41	4,259.85	4,206.26	19.50	17.15	-91.40	5,609.31	515.48	5,642.68	5,608.05	34.63	162.930	
3,200.00	3,023.55	4,329.47	4,273.25	20.35	17.52	-91.81	5,593.36	505.15	5,619.60	5,583.78	35.81	156.913	
3,300.00	3,114.70	4,351.00	4,293.97	21.21	17.64	-91.94	5,588.46	501.99	5,597.44	5,560.61	36.83	151.962	
3,400.00	3,205.84	4,406.50	4,347.56	22.06	17.93	-92.26	5,576.25	494.32	5,576.27	5,538.30	37.97	146.863	
3,500.00	3,296.99	4,477.00	4,416.08	22.92	18.30	-92.66	5,561.96	485.90	5,556.73	5,517.58	39.16	141.911	
3,600.00	3,388.13	4,477.00	4,416.08	23.77	18.30	-92.66	5,561.96	485.90	5,537.84	5,497.73	40.11	138.071	
3,700.00	3,479.28	4,518.00	4,456.08	24.63	18.50	-92.89	5,554.18	481.41	5,520.40	5,479.20	41.20	134.006	
3,800.00	3,570.42	4,562.37	4,499.42	25.48	18.72	-93.14	5,546.05	476.46	5,504.05	5,461.76	42.29	130.139	
3,900.00	3,661.57	4,602.00	4,538.17	26.34	18.92	-93.36	5,539.04	471.97	5,488.81	5,445.43	43.38	126.538	
4,000.00	3,752.71	4,676.07	4,610.67	27.20	19.28	-93.78	5,526.32	463.76	5,474.45	5,429.87	44.58	122.812	
4,100.00	3,843.86	4,799.59	4,731.74	28.05	19.88	-94.47	5,505.34	451.12	5,460.76	5,414.82	45.94	118.868	
4,200.00	3,935.00	4,853.00	4,784.04	28.91	20.14	-94.76	5,495.79	446.03	5,446.83	5,399.76	47.07	115.721	
4,300.00	4,026.15	4,909.37	4,839.34	29.77	20.41	-95.07	5,486.08	441.09	5,433.83	5,385.63	48.20	112.734	
4,400.00	4,117.29	4,978.00	4,907.00	30.63	20.73	-95.44	5,475.76	435.88	5,422.67	5,373.29	49.37	109.836	
4,500.00	4,208.44	4,978.00	4,907.00	31.49	20.73	-95.44	5,475.76	435.88	5,412.13	5,361.82	50.31	107.569	
4,600.00	4,299.58	4,978.00	4,907.00	32.35	20.73	-95.44	5,475.76	435.88	5,403.43	5,352.19	51.25	105.443	
4,700.00	4,390.73	5,051.24	4,979.47	33.21	21.04	-95.82	5,466.29	431.23	5,395.50	5,343.09	52.41	102.947	
4,800.00	4,481.88	5,102.00	5,029.83	34.07	21.26	-96.08	5,460.51	428.52	5,388.99	5,335.49	53.50	100.730	
4,900.00	4,573.02	5,102.00	5,029.83	34.93	21.26	-96.08	5,460.51	428.52	5,383.82	5,329.41	54.41	98.949	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE J-F-24HZ - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 94-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,664.17	5,164.78	5,092.26	35.79	21.51	-96.39	5,454.40	425.86	5,379.60	5,324.09	55.52	96.903	
5,100.00	4,755.31	5,227.00	5,154.26	36.65	21.75	-96.69	5,449.63	424.11	5,376.96	5,320.35	56.62	94.972	
5,200.00	4,846.46	5,227.00	5,154.26	37.51	21.75	-96.69	5,449.63	424.11	5,375.29	5,317.79	57.50	93.483	
5,277.62	4,917.20	5,265.09	5,192.27	38.18	21.88	-96.87	5,447.31	423.34	5,374.94	5,316.64	58.30	92.190	
5,300.00	4,937.60	5,273.05	5,200.22	38.37	21.91	-96.91	5,446.88	423.18	5,374.99	5,316.47	58.52	91.843	
5,400.00	5,028.75	5,308.74	5,235.87	39.23	22.04	-97.07	5,445.19	422.51	5,375.98	5,316.47	59.51	90.344	
5,500.00	5,119.89	5,353.00	5,280.09	40.09	22.19	-97.28	5,443.63	421.74	5,378.24	5,317.73	60.51	88.883	
5,600.00	5,211.04	5,388.99	5,316.06	40.96	22.31	-97.44	5,442.74	421.22	5,381.67	5,320.20	61.47	87.552	
5,700.00	5,302.18	5,436.37	5,363.44	41.82	22.46	-97.65	5,441.99	420.82	5,386.18	5,323.72	62.46	86.235	
5,800.00	5,393.33	5,491.36	5,418.43	42.68	22.63	-97.89	5,441.71	420.72	5,391.74	5,328.27	63.47	84.951	
5,900.00	5,484.47	5,596.30	5,523.37	43.54	22.94	-98.35	5,441.46	421.09	5,397.74	5,333.10	64.64	83.511	
6,000.00	5,575.62	5,692.20	5,619.26	44.40	23.22	-98.76	5,441.13	421.67	5,403.88	5,338.12	65.76	82.172	
6,100.00	5,666.76	5,786.04	5,713.10	45.26	23.50	-99.16	5,440.72	422.18	5,410.26	5,343.38	66.88	80.891	
6,175.79	5,735.84	5,856.57	5,783.63	45.92	23.71	-99.46	5,440.38	422.54	5,415.27	5,347.54	67.73	79.955	
6,200.00	5,757.87	5,879.24	5,806.29	46.13	23.78	-94.30	5,440.27	422.65	5,416.42	5,348.42	68.00	79.651	
6,250.00	5,803.02	5,925.65	5,852.71	46.56	23.92	-84.55	5,440.02	422.85	5,415.75	5,347.17	68.57	78.977	
6,300.00	5,847.42	5,971.24	5,898.29	46.99	24.06	-76.34	5,439.76	423.02	5,411.01	5,341.86	69.15	78.249	
6,350.00	5,890.72	6,006.80	5,933.85	47.41	24.17	-69.71	5,439.57	423.15	5,402.28	5,332.58	69.70	77.509	
6,400.00	5,932.60	6,013.00	5,940.05	47.83	24.19	-64.42	5,439.54	423.15	5,389.76	5,319.62	70.14	76.840	
6,450.00	5,972.74	6,013.00	5,940.05	48.23	24.19	-60.36	5,439.54	423.15	5,373.71	5,303.15	70.56	76.161	
6,500.00	6,010.83	6,029.83	5,956.88	48.61	24.24	-57.48	5,439.61	423.17	5,354.04	5,283.02	71.02	75.386	
6,550.00	6,046.58	6,045.00	5,972.05	48.98	24.29	-55.51	5,439.95	423.20	5,331.15	5,259.68	71.47	74.591	
6,600.00	6,079.73	6,045.00	5,972.05	49.33	24.29	-54.23	5,439.95	423.20	5,304.94	5,233.08	71.85	73.830	
6,650.00	6,110.01	6,045.00	5,972.05	49.67	24.29	-53.69	5,439.95	423.20	5,275.69	5,203.48	72.22	73.051	
6,700.00	6,137.21	6,045.00	5,972.05	49.98	24.29	-53.87	5,439.95	423.20	5,243.60	5,171.03	72.57	72.257	
6,750.00	6,161.10	6,045.00	5,972.05	50.28	24.29	-54.77	5,439.95	423.20	5,208.84	5,135.94	72.90	71.450	
6,800.00	6,181.52	6,045.00	5,972.05	50.55	24.29	-56.48	5,439.95	423.20	5,171.64	5,098.42	73.22	70.634	
6,850.00	6,198.29	6,045.00	5,972.05	50.81	24.29	-59.12	5,439.95	423.20	5,132.22	5,058.70	73.51	69.812	
6,900.00	6,211.31	6,045.00	5,972.05	51.05	24.29	-62.88	5,439.95	423.20	5,090.84	5,017.04	73.79	68.987	
6,950.00	6,220.46	6,045.00	5,972.05	51.27	24.29	-68.05	5,439.95	423.20	5,047.77	4,973.71	74.06	68.160	
7,000.00	6,225.68	6,045.00	5,972.05	51.47	24.29	-74.99	5,439.95	423.20	5,003.30	4,928.99	74.30	67.336	
7,040.67	6,227.00	6,045.00	5,972.05	51.63	24.29	-82.19	5,439.95	423.20	4,966.30	4,891.81	74.49	66.670	
7,100.00	6,227.00	6,045.00	5,972.05	51.85	24.29	-82.19	5,439.95	423.20	4,911.94	4,837.18	74.76	65.703	
7,200.00	6,227.00	6,045.00	5,972.05	52.25	24.29	-82.19	5,439.95	423.20	4,820.58	4,745.35	75.23	64.080	
7,300.00	6,227.00	6,045.00	5,972.05	52.70	24.29	-82.19	5,439.95	423.20	4,729.57	4,653.85	75.72	62.464	
7,400.00	6,227.00	6,059.02	5,986.05	53.18	24.32	-82.59	5,440.59	423.21	4,638.72	4,562.43	76.29	60.806	
7,500.00	6,227.00	6,059.62	5,986.66	53.71	24.32	-82.61	5,440.63	423.20	4,548.45	4,471.63	76.83	59.204	
7,600.00	6,227.00	6,060.25	5,987.29	54.28	24.32	-82.63	5,440.67	423.20	4,458.60	4,381.21	77.39	57.611	
7,700.00	6,227.00	6,060.91	5,987.94	54.89	24.33	-82.64	5,440.71	423.20	4,369.19	4,291.21	77.98	56.028	
7,800.00	6,227.00	6,061.60	5,988.63	55.55	24.33	-82.66	5,440.75	423.20	4,280.25	4,201.64	78.60	54.454	
7,900.00	6,227.00	6,076.00	6,002.98	56.25	24.36	-83.08	5,441.90	423.14	4,192.00	4,112.69	79.31	52.855	
8,000.00	6,227.00	6,076.00	6,002.98	56.99	24.36	-83.08	5,441.90	423.14	4,104.06	4,024.07	79.99	51.308	
8,100.00	6,227.00	6,076.00	6,002.98	57.78	24.36	-83.08	5,441.90	423.14	4,016.69	3,935.99	80.70	49.774	
8,200.00	6,227.00	6,076.00	6,002.98	58.62	24.36	-83.08	5,441.90	423.14	3,929.92	3,848.47	81.44	48.253	
8,300.00	6,227.00	6,076.00	6,002.98	59.49	24.36	-83.08	5,441.90	423.14	3,843.79	3,761.56	82.22	46.748	
8,400.00	6,227.00	6,076.00	6,002.98	60.41	24.36	-83.08	5,441.90	423.14	3,758.34	3,675.30	83.04	45.259	
8,500.00	6,227.00	6,076.00	6,002.98	61.37	24.36	-83.08	5,441.90	423.14	3,673.64	3,589.74	83.90	43.788	
8,600.00	6,227.00	6,076.00	6,002.98	62.37	24.36	-83.08	5,441.90	423.14	3,589.71	3,504.92	84.79	42.336	
8,700.00	6,227.00	6,076.00	6,002.98	63.41	24.36	-83.08	5,441.90	423.14	3,506.64	3,420.91	85.73	40.903	
8,800.00	6,227.00	6,076.00	6,002.98	64.49	24.36	-83.08	5,441.90	423.14	3,424.46	3,337.75	86.71	39.492	
8,900.00	6,227.00	6,076.00	6,002.98	65.60	24.36	-83.08	5,441.90	423.14	3,343.26	3,255.52	87.74	38.105	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE J-F-24HZ - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 94-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	6,076.00	6,002.98	66.74	24.36	-83.08	5,441.90	423.14	3,263.11	3,174.29	88.81	36.742	
9,100.00	6,227.00	6,076.00	6,002.98	67.92	24.36	-83.08	5,441.90	423.14	3,184.07	3,094.14	89.93	35.405	
9,200.00	6,227.00	6,076.00	6,002.98	69.13	24.36	-83.08	5,441.90	423.14	3,106.25	3,015.14	91.10	34.096	
9,300.00	6,227.00	6,076.00	6,002.98	70.37	24.36	-83.08	5,441.90	423.14	3,029.72	2,937.40	92.32	32.817	
9,400.00	6,227.00	6,076.00	6,002.98	71.63	24.36	-83.08	5,441.90	423.14	2,954.60	2,861.01	93.59	31.570	
9,500.00	6,227.00	6,076.00	6,002.98	72.92	24.36	-83.08	5,441.90	423.14	2,881.00	2,786.09	94.91	30.356	
9,600.00	6,227.00	6,076.00	6,002.98	74.23	24.36	-83.08	5,441.90	423.14	2,809.02	2,712.75	96.27	29.179	
9,700.00	6,227.00	6,076.00	6,002.98	75.57	24.36	-83.08	5,441.90	423.14	2,738.80	2,641.12	97.68	28.039	
9,800.00	6,227.00	6,076.00	6,002.98	76.93	24.36	-83.08	5,441.90	423.14	2,670.49	2,571.35	99.13	26.939	
9,900.00	6,227.00	6,088.58	6,015.49	78.31	24.39	-83.44	5,443.25	423.06	2,604.06	2,503.35	100.71	25.857	
10,000.00	6,227.00	6,091.07	6,017.96	79.71	24.40	-83.51	5,443.56	423.04	2,539.94	2,437.68	102.26	24.838	
10,100.00	6,227.00	6,093.79	6,020.66	81.12	24.40	-83.59	5,443.91	423.02	2,478.18	2,374.35	103.84	23.866	
10,200.00	6,227.00	6,106.00	6,032.73	82.55	24.43	-83.94	5,445.70	422.90	2,419.04	2,313.54	105.50	22.928	
10,300.00	6,227.00	6,106.00	6,032.73	84.00	24.43	-83.94	5,445.70	422.90	2,362.51	2,255.42	107.09	22.060	
10,400.00	6,227.00	6,106.00	6,032.73	85.46	24.43	-83.94	5,445.70	422.90	2,308.93	2,200.25	108.68	21.245	
10,500.00	6,227.00	6,106.00	6,032.73	86.94	24.43	-83.94	5,445.70	422.90	2,258.51	2,148.26	110.25	20.486	
10,600.00	6,227.00	6,106.00	6,032.73	88.43	24.43	-83.94	5,445.70	422.90	2,211.46	2,099.68	111.78	19.784	
10,700.00	6,227.00	6,121.66	6,048.15	89.93	24.46	-84.38	5,448.43	422.77	2,167.86	2,054.46	113.40	19.116	
10,800.00	6,227.00	6,138.00	6,064.15	91.44	24.49	-84.85	5,451.77	422.67	2,128.09	2,013.12	114.97	18.510	
10,900.00	6,227.00	6,138.00	6,064.15	92.96	24.49	-84.85	5,451.77	422.67	2,092.19	1,975.89	116.30	17.989	
11,000.00	6,227.00	6,153.22	6,078.97	94.50	24.52	-85.28	5,455.24	422.60	2,060.42	1,942.76	117.67	17.511	
11,100.00	6,227.00	6,169.00	6,094.26	96.04	24.55	-85.72	5,459.11	422.54	2,032.92	1,914.01	118.91	17.096	
11,200.00	6,227.00	6,182.10	6,106.92	97.59	24.57	-86.09	5,462.53	422.48	2,009.84	1,889.85	119.99	16.750	
11,300.00	6,227.00	6,200.00	6,124.11	99.15	24.60	-86.59	5,467.47	422.34	1,991.33	1,870.38	120.95	16.464	
11,400.00	6,227.00	6,219.87	6,143.05	100.72	24.62	-87.14	5,473.48	422.18	1,977.44	1,855.67	121.77	16.239	
11,500.00	6,227.00	6,268.90	6,188.65	102.30	24.68	-88.47	5,491.43	422.24	1,968.00	1,845.26	122.74	16.034	
11,600.00	6,227.00	6,322.99	6,236.61	103.88	24.72	-89.87	5,516.38	423.24	1,962.39	1,838.76	123.63	15.873	
11,689.74	6,227.00	6,356.00	6,264.57	105.31	24.74	-90.69	5,533.90	423.86	1,960.77	1,836.64	124.13	15.796 CC	
11,700.00	6,227.00	6,356.00	6,264.57	105.47	24.74	-90.69	5,533.90	423.86	1,960.79	1,836.66	124.13	15.796	
11,743.45	6,227.00	6,373.37	6,278.82	106.17	24.74	-91.11	5,543.83	424.06	1,961.38	1,837.04	124.34	15.774	
11,808.25	6,227.00	6,397.73	6,298.21	107.20	24.75	-91.67	5,558.57	424.17	1,962.92	1,838.33	124.60	15.754	
11,900.00	6,227.00	6,437.79	6,328.62	108.66	24.75	-92.56	5,584.64	423.84	1,966.81	1,841.85	124.96	15.739	
12,000.00	6,227.00	6,510.89	6,379.62	110.26	24.75	-94.04	5,636.91	422.39	1,973.92	1,848.14	125.78	15.694	
12,100.00	6,227.00	6,630.00	6,447.40	111.86	24.73	-96.00	5,734.57	418.54	1,982.69	1,855.19	127.50	15.551	
12,200.00	6,227.00	6,863.23	6,522.60	113.47	24.85	-98.15	5,953.65	413.77	1,987.72	1,855.98	131.74	15.088	
12,300.00	6,227.00	7,018.28	6,534.00	115.08	25.23	-98.47	6,108.07	411.80	1,988.96	1,854.13	134.83	14.751	
12,319.28	6,227.00	7,029.19	6,534.24	115.40	25.27	-98.48	6,118.98	411.73	1,988.92	1,853.85	135.07	14.726	
12,400.00	6,227.00	7,090.00	6,535.69	116.70	25.52	-98.52	6,179.77	410.71	1,989.52	1,853.15	136.37	14.589	
12,500.00	6,227.00	7,236.72	6,536.29	118.33	26.32	-98.54	6,326.47	409.49	1,989.16	1,849.50	139.66	14.243	
12,598.05	6,227.00	7,308.00	6,535.48	119.93	26.81	-98.52	6,397.74	409.39	1,988.11	1,846.72	141.39	14.062	
12,600.00	6,227.00	7,308.00	6,535.48	119.96	26.81	-98.52	6,397.74	409.39	1,988.11	1,846.72	141.39	14.061	
12,700.00	6,227.00	7,347.21	6,534.54	121.60	27.10	-98.49	6,436.92	408.09	1,989.78	1,847.44	142.34	13.979	
12,800.00	6,227.00	7,411.20	6,533.10	123.24	27.62	-98.43	6,500.79	404.51	1,993.82	1,849.91	143.91	13.855	
12,900.00	6,227.00	7,498.86	6,532.48	124.88	28.38	-98.40	6,588.21	398.19	1,999.59	1,853.44	146.15	13.682	
13,000.00	6,227.00	7,671.90	6,532.60	126.53	30.08	-98.38	6,761.10	391.14	2,001.79	1,850.93	150.86	13.269	
13,100.00	6,227.00	7,776.00	6,534.76	128.18	31.20	-98.43	6,865.14	388.43	2,003.48	1,849.74	153.74	13.032	
13,200.00	6,227.00	7,859.66	6,535.71	129.84	32.16	-98.45	6,948.75	385.65	2,005.72	1,849.61	156.11	12.848	
13,300.00	6,227.00	7,955.96	6,536.35	131.50	33.30	-98.46	7,044.99	382.43	2,007.96	1,849.07	158.90	12.637	
13,400.00	6,227.00	8,057.00	6,535.04	133.16	34.56	-98.41	7,145.96	378.97	2,009.97	1,848.09	161.88	12.416	
13,500.00	6,227.00	8,187.49	6,532.44	134.83	36.25	-98.33	7,276.35	374.59	2,011.80	1,846.00	165.80	12.134	
13,600.00	6,227.00	8,290.07	6,530.76	136.50	37.63	-98.28	7,378.87	371.56	2,013.31	1,844.38	168.93	11.918	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE J-F-24HZ - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 94-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,700.00	6,227.00	8,389.64	6,529.37	138.17	39.00	-98.23	7,478.39	368.85	2,014.61	1,842.60	172.01	11.712	
13,800.00	6,227.00	8,504.85	6,528.39	139.85	40.62	-98.20	7,593.56	366.03	2,015.79	1,840.21	175.59	11.480	
13,900.00	6,227.00	8,586.00	6,528.31	141.53	41.78	-98.19	7,674.69	364.30	2,016.67	1,838.50	178.17	11.319	
14,000.00	6,227.00	8,680.00	6,527.77	143.21	43.15	-98.17	7,768.67	362.28	2,017.56	1,836.40	181.16	11.137	
14,100.00	6,227.00	8,753.77	6,528.26	144.89	44.24	-98.18	7,842.39	359.80	2,019.78	1,836.25	183.53	11.005	
14,200.00	6,227.00	8,838.34	6,529.50	146.58	45.51	-98.20	7,926.86	355.94	2,023.27	1,837.03	186.24	10.864	
14,300.00	6,227.00	8,971.81	6,526.55	148.26	47.55	-98.10	8,060.15	349.95	2,026.28	1,835.70	190.59	10.632	
14,400.00	6,227.00	9,041.89	6,525.82	149.96	48.63	-98.07	8,130.17	347.22	2,028.85	1,835.96	192.89	10.518	
14,500.00	6,227.00	9,098.53	6,526.43	151.65	49.51	-98.08	8,186.71	344.06	2,033.33	1,838.64	194.69	10.444	
14,600.00	6,227.00	9,214.41	6,525.93	153.34	51.33	-98.04	8,302.34	336.47	2,038.58	1,840.04	198.54	10.268	
14,700.00	6,227.00	9,310.29	6,524.19	155.04	52.86	-97.98	8,397.99	330.17	2,043.64	1,841.91	201.73	10.131	
14,800.00	6,227.00	9,382.33	6,523.42	156.74	54.01	-97.94	8,469.85	325.14	2,049.24	1,845.16	204.08	10.041	
14,900.00	6,227.00	9,594.23	6,520.17	158.44	57.44	-97.81	8,681.32	312.50	2,054.81	1,843.61	211.20	9.729	
15,000.00	6,227.00	9,713.47	6,519.97	160.14	59.36	-97.80	8,800.54	310.54	2,055.24	1,840.11	215.13	9.553	
15,100.00	6,227.00	9,846.51	6,518.56	161.85	61.52	-97.76	8,933.55	309.24	2,055.04	1,835.58	219.46	9.364	
15,200.00	6,227.00	9,964.86	6,518.17	163.56	63.44	-97.76	9,051.89	310.33	2,052.90	1,829.57	223.33	9.192	
15,300.00	6,227.00	10,050.00	6,518.56	165.26	64.82	-97.78	9,137.02	311.48	2,050.47	1,824.21	226.26	9.062	
15,400.00	6,227.00	10,113.00	6,518.73	166.97	65.86	-97.79	9,200.02	311.70	2,049.17	1,820.63	228.54	8.966	
15,404.45	6,227.00	10,113.00	6,518.73	167.05	65.86	-97.79	9,200.02	311.70	2,049.17	1,820.62	228.55	8.966	
15,500.00	6,227.00	10,177.67	6,518.81	168.68	66.93	-97.79	9,264.68	310.41	2,049.98	1,819.17	230.81	8.882	
15,600.00	6,227.00	10,254.99	6,518.20	170.40	68.21	-97.77	9,341.95	307.89	2,051.97	1,818.51	233.46	8.789 ES	
15,700.00	6,227.00	10,300.00	6,518.18	172.11	68.97	-97.76	9,386.90	305.56	2,056.00	1,821.06	234.94	8.751	
15,800.00	6,227.00	10,407.90	6,518.63	173.83	70.79	-97.75	9,494.54	298.01	2,061.84	1,823.20	238.65	8.640	
15,900.00	6,227.00	10,470.36	6,518.00	175.54	71.84	-97.72	9,556.84	293.68	2,067.55	1,826.87	240.69	8.590	
16,000.00	6,227.00	10,530.48	6,517.32	177.26	72.87	-97.68	9,616.67	287.89	2,075.60	1,833.03	242.57	8.557	
16,100.00	6,227.00	10,649.86	6,515.40	178.98	74.91	-97.59	9,735.47	276.35	2,083.77	1,836.96	246.81	8.443	
16,200.00	6,227.00	10,752.94	6,514.35	180.70	76.68	-97.53	9,838.13	267.07	2,091.37	1,840.97	250.40	8.352	
16,300.00	6,227.00	10,810.87	6,514.36	182.42	77.67	-97.51	9,895.76	261.19	2,100.16	1,847.99	252.16	8.329	
16,400.00	6,227.00	10,903.42	6,515.57	184.15	79.27	-97.51	9,987.74	251.00	2,110.06	1,854.74	255.32	8.264	
16,500.00	6,227.00	11,050.00	6,516.57	185.87	81.80	-97.50	10,133.58	236.43	2,118.76	1,858.09	260.67	8.128	
16,600.00	6,227.00	11,139.07	6,515.68	187.60	83.34	-97.44	10,222.21	227.68	2,127.15	1,863.42	263.73	8.066	
16,700.00	6,227.00	11,252.15	6,513.96	189.32	85.31	-97.37	10,334.79	217.18	2,134.96	1,867.23	267.74	7.974 SF	
16,800.00	6,227.00	11,270.00	6,513.71	191.05	85.62	-97.36	10,352.57	215.56	2,144.16	1,876.34	267.82	8.006	
16,900.00	6,227.00	11,270.00	6,513.71	192.78	85.62	-97.36	10,352.57	215.56	2,157.88	1,891.19	266.68	8.092	
17,000.00	6,227.00	11,270.00	6,513.71	194.51	85.62	-97.36	10,352.57	215.56	2,176.11	1,911.06	265.05	8.210	
17,100.00	6,227.00	11,270.00	6,513.71	196.24	85.62	-97.36	10,352.57	215.56	2,198.74	1,935.80	262.94	8.362	
17,200.00	6,227.00	11,270.00	6,513.71	197.97	85.62	-97.36	10,352.57	215.56	2,225.64	1,965.22	260.42	8.546	
17,300.00	6,227.00	11,270.00	6,513.71	199.70	85.62	-97.36	10,352.57	215.56	2,256.65	1,999.14	257.52	8.763	
17,400.00	6,227.00	11,270.00	6,513.71	201.44	85.62	-97.36	10,352.57	215.56	2,291.62	2,037.32	254.29	9.012	
17,500.00	6,227.00	11,270.00	6,513.71	203.17	85.62	-97.36	10,352.57	215.56	2,330.35	2,079.56	250.79	9.292	
17,600.00	6,227.00	11,270.00	6,513.71	204.90	85.62	-97.36	10,352.57	215.56	2,372.67	2,125.60	247.07	9.603	
17,700.00	6,227.00	11,270.00	6,513.71	206.64	85.62	-97.36	10,352.57	215.56	2,418.38	2,175.22	243.16	9.946	
17,800.00	6,227.00	11,270.00	6,513.71	208.38	85.62	-97.36	10,352.57	215.56	2,467.30	2,228.19	239.12	10.318	
17,900.00	6,227.00	11,270.00	6,513.71	210.11	85.62	-97.36	10,352.57	215.56	2,519.24	2,284.26	234.98	10.721	
18,000.00	6,227.00	11,270.00	6,513.71	211.85	85.62	-97.36	10,352.57	215.56	2,574.03	2,343.24	230.78	11.153	
18,100.00	6,227.00	11,270.00	6,513.71	213.59	85.62	-97.36	10,352.57	215.56	2,631.47	2,404.90	226.56	11.615	
18,200.00	6,227.00	11,270.00	6,513.71	215.33	85.62	-97.36	10,352.57	215.56	2,691.40	2,469.06	222.35	12.105	
18,300.00	6,227.00	11,270.00	6,513.71	217.07	85.62	-97.36	10,352.57	215.56	2,753.66	2,535.51	218.15	12.623	
18,400.00	6,227.00	11,270.00	6,513.71	218.81	85.62	-97.36	10,352.57	215.56	2,818.10	2,604.09	214.01	13.168	
18,500.00	6,227.00	11,270.00	6,513.71	220.55	85.62	-97.36	10,352.57	215.56	2,884.56	2,674.63	209.93	13.741	
18,600.00	6,227.00	11,270.00	6,513.71	222.29	85.62	-97.36	10,352.57	215.56	2,952.91	2,746.99	205.92	14.340	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 94-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
18,700.00	6,227.00	11,270.00	6,513.71	224.03	85.62	-97.36	10,352.57	215.56	3,023.03	2,821.03	202.01	14.965		
18,800.00	6,227.00	11,270.00	6,513.71	225.78	85.62	-97.36	10,352.57	215.56	3,094.79	2,896.61	198.19	15.616		
18,900.00	6,227.00	11,270.00	6,513.71	227.52	85.62	-97.36	10,352.57	215.56	3,168.08	2,973.62	194.47	16.291		
19,000.00	6,227.00	11,270.00	6,513.71	229.26	85.62	-97.36	10,352.57	215.56	3,242.80	3,051.95	190.85	16.991		
19,100.00	6,227.00	11,270.00	6,513.71	231.01	85.62	-97.36	10,352.57	215.56	3,318.85	3,131.50	187.35	17.715		
19,200.00	6,227.00	11,270.00	6,513.71	232.75	85.62	-97.36	10,352.57	215.56	3,396.15	3,212.19	183.96	18.462		
19,300.00	6,227.00	11,270.00	6,513.71	234.50	85.62	-97.36	10,352.57	215.56	3,474.60	3,293.92	180.67	19.231		
19,400.00	6,227.00	11,270.00	6,513.71	236.25	85.62	-97.36	10,352.57	215.56	3,554.13	3,376.63	177.50	20.023		
19,500.00	6,227.00	11,270.00	6,513.71	237.99	85.62	-97.36	10,352.57	215.56	3,634.67	3,460.23	174.44	20.836		
19,600.00	6,227.00	11,270.00	6,513.71	239.74	85.62	-97.36	10,352.57	215.56	3,716.16	3,544.68	171.48	21.671		
19,700.00	6,227.00	11,270.00	6,513.71	241.49	85.62	-97.36	10,352.57	215.56	3,798.54	3,629.90	168.64	22.525		
19,800.00	6,227.00	11,270.00	6,513.71	243.24	85.62	-97.36	10,352.57	215.56	3,881.74	3,715.85	165.89	23.400		
19,900.00	6,227.00	11,270.00	6,513.71	244.98	85.62	-97.36	10,352.57	215.56	3,965.72	3,802.48	163.24	24.293		
20,000.00	6,227.00	11,270.00	6,513.71	246.73	85.62	-97.36	10,352.57	215.56	4,050.42	3,889.73	160.69	25.206		
20,100.00	6,227.00	11,270.00	6,513.71	248.48	85.62	-97.36	10,352.57	215.56	4,135.81	3,977.57	158.24	26.136		
20,200.00	6,227.00	11,270.00	6,513.71	250.23	85.62	-97.36	10,352.57	215.56	4,221.84	4,065.97	155.88	27.085		
20,300.00	6,227.00	11,270.00	6,513.71	251.98	85.62	-97.36	10,352.57	215.56	4,308.48	4,154.88	153.60	28.050		
20,400.00	6,227.00	11,270.00	6,513.71	253.73	85.62	-97.36	10,352.57	215.56	4,395.68	4,244.27	151.41	29.032		
20,500.00	6,227.00	11,270.00	6,513.71	255.49	85.62	-97.36	10,352.57	215.56	4,483.42	4,334.12	149.30	30.029		
20,600.00	6,227.00	11,270.00	6,513.71	257.24	85.62	-97.36	10,352.57	215.56	4,571.66	4,424.39	147.27	31.043		
20,700.00	6,227.00	11,270.00	6,513.71	258.99	85.62	-97.36	10,352.57	215.56	4,660.37	4,515.06	145.32	32.071		
20,800.00	6,227.00	11,270.00	6,513.71	260.74	85.62	-97.36	10,352.57	215.56	4,749.53	4,606.10	143.43	33.113		
20,900.00	6,227.00	11,270.00	6,513.71	262.49	85.62	-97.36	10,352.57	215.56	4,839.12	4,697.50	141.62	34.170		
21,000.00	6,227.00	11,270.00	6,513.71	264.25	85.62	-97.36	10,352.57	215.56	4,929.11	4,789.23	139.87	35.240		
21,100.00	6,227.00	11,270.00	6,513.71	266.00	85.62	-97.36	10,352.57	215.56	5,019.47	4,881.28	138.19	36.322		
21,200.00	6,227.00	11,270.00	6,513.71	267.75	85.62	-97.36	10,352.57	215.56	5,110.20	4,973.63	136.57	37.417		
21,300.00	6,227.00	11,270.00	6,513.71	269.51	85.62	-97.36	10,352.57	215.56	5,201.26	5,066.25	135.01	38.524		
21,400.00	6,227.00	11,270.00	6,513.71	271.26	85.62	-97.36	10,352.57	215.56	5,292.65	5,159.14	133.51	39.643		
21,500.00	6,227.00	11,270.00	6,513.71	273.02	85.62	-97.36	10,352.57	215.56	5,384.35	5,252.29	132.06	40.773		
21,600.00	6,227.00	11,270.00	6,513.71	274.77	85.62	-97.36	10,352.57	215.56	5,476.33	5,345.67	130.66	41.913		
21,700.00	6,227.00	11,270.00	6,513.71	276.53	85.62	-97.36	10,352.57	215.56	5,568.59	5,439.28	129.31	43.063		
21,800.00	6,227.00	11,270.00	6,513.71	278.28	85.62	-97.36	10,352.57	215.56	5,661.12	5,533.10	128.01	44.223		
21,900.00	6,227.00	11,270.00	6,513.71	280.04	85.62	-97.36	10,352.57	215.56	5,753.89	5,627.13	126.76	45.392		
22,000.00	6,227.00	11,270.00	6,513.71	281.80	85.62	-97.36	10,352.57	215.56	5,846.90	5,721.35	125.55	46.570		
22,085.16	6,227.00	11,270.00	6,513.71	283.29	85.62	-97.36	10,352.57	215.56	5,926.29	5,801.73	124.55	47.580		

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HC - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 466-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	16.45	16.45	0.00	0.03	7.49	6,020.96	792.09	6,072.84					
100.00	100.00	119.26	119.26	0.27	0.21	7.50	6,020.91	792.21	6,072.80	6,072.33	0.47	N/A		
200.00	200.00	222.07	222.07	0.63	0.38	7.50	6,020.79	792.50	6,072.73	6,071.72	1.01	6,005.712		
300.00	300.00	324.88	324.88	0.99	0.56	7.50	6,020.60	792.97	6,072.60	6,071.06	1.55	3,924.583		
400.00	400.00	427.69	427.68	1.34	0.74	7.51	6,020.34	793.61	6,072.44	6,070.35	2.08	2,914.555		
500.00	499.98	518.00	517.99	1.70	0.99	-74.56	6,020.09	794.27	6,071.79	6,069.11	2.69	2,258.539		
600.00	599.84	610.00	609.99	2.05	1.32	-74.62	6,020.05	794.90	6,070.45	6,067.08	3.37	1,801.327		
700.00	699.45	701.00	700.99	2.41	1.65	-74.73	6,020.11	795.45	6,068.29	6,064.23	4.06	1,495.389		
800.00	798.70	793.34	793.33	2.79	1.97	-74.88	6,020.30	795.80	6,065.33	6,060.56	4.76	1,272.978		
900.00	897.47	902.46	902.44	3.19	2.36	-75.11	6,020.52	796.32	6,061.49	6,055.94	5.55	1,091.482		
1,000.00	995.62	1,002.65	1,002.64	3.62	2.72	-75.37	6,020.62	796.80	6,056.70	6,050.37	6.33	956.102		
1,100.00	1,093.06	1,106.19	1,106.17	4.09	3.07	-75.70	6,020.78	796.68	6,051.09	6,043.95	7.15	846.895		
1,200.00	1,189.64	1,354.06	1,353.59	4.59	3.94	-76.34	6,015.89	807.04	6,042.71	6,034.20	8.51	710.206		
1,300.00	1,285.27	1,427.00	1,425.88	5.14	4.21	-76.63	6,013.14	816.31	6,033.19	6,023.87	9.32	647.195		
1,400.00	1,379.82	1,470.71	1,469.01	5.74	4.38	-76.89	6,011.64	823.20	6,023.58	6,013.50	10.09	597.259		
1,500.00	1,473.17	1,519.00	1,516.55	6.40	4.57	-77.16	6,010.42	831.62	6,014.18	6,003.26	10.92	550.680		
1,600.00	1,565.21	1,836.66	1,828.05	7.12	5.92	-77.98	5,994.98	891.64	6,000.73	5,987.77	12.96	463.136		
1,614.66	1,578.59	1,841.73	1,833.02	7.23	5.94	-78.03	5,994.67	892.59	5,998.73	5,985.64	13.09	458.334		
1,700.00	1,656.38	2,295.60	2,271.76	7.88	8.23	-78.77	5,952.02	999.52	5,985.06	5,969.15	15.91	376.265		
1,800.00	1,747.52	2,365.00	2,337.75	8.67	8.63	-78.85	5,943.09	1,019.03	5,965.63	5,948.57	17.06	349.650		
1,900.00	1,838.67	2,409.72	2,380.33	9.47	8.89	-78.90	5,937.64	1,031.55	5,946.91	5,928.81	18.10	328.520		
2,000.00	1,929.81	2,586.16	2,549.32	10.28	9.91	-79.14	5,916.98	1,077.84	5,928.87	5,909.02	19.85	298.633		
2,100.00	2,020.96	2,658.85	2,618.50	11.10	10.34	-79.23	5,907.75	1,098.16	5,909.64	5,888.57	21.08	280.400		
2,200.00	2,112.10	2,780.37	2,733.67	11.92	11.10	-79.36	5,891.47	1,133.36	5,889.73	5,867.13	22.60	260.633		
2,300.00	2,203.25	2,840.00	2,790.34	12.75	11.47	-79.43	5,884.21	1,150.42	5,870.92	5,847.14	23.78	246.910		
2,400.00	2,294.39	2,937.00	2,882.76	13.59	12.07	-79.55	5,872.09	1,177.27	5,851.96	5,826.80	25.17	232.535		
2,500.00	2,385.54	2,994.29	2,937.52	14.43	12.41	-79.63	5,864.88	1,192.47	5,833.14	5,806.81	26.33	221.535		
2,600.00	2,476.68	3,033.00	2,974.69	15.27	12.65	-79.69	5,860.71	1,202.45	5,815.66	5,788.26	27.40	212.259		
2,700.00	2,567.83	3,069.23	3,009.58	16.11	12.85	-79.75	5,857.19	1,211.54	5,799.21	5,770.76	28.45	203.850		
2,800.00	2,658.97	3,129.00	3,067.37	16.96	13.19	-79.85	5,851.95	1,225.87	5,783.68	5,754.06	29.62	195.244		
2,900.00	2,750.12	3,246.33	3,180.85	17.80	13.86	-80.05	5,841.71	1,253.83	5,768.33	5,737.24	31.09	185.532		
3,000.00	2,841.26	3,557.86	3,478.98	18.65	15.76	-80.48	5,808.78	1,337.30	5,752.36	5,718.69	33.66	170.887		
3,100.00	2,932.41	3,701.00	3,613.16	19.50	16.76	-80.61	5,789.21	1,383.13	5,732.64	5,697.23	35.41	161.879		
3,200.00	3,023.55	3,757.49	3,666.46	20.35	17.13	-80.67	5,781.25	1,400.09	5,712.73	5,676.10	36.63	155.964		
3,300.00	3,114.70	3,797.00	3,704.04	21.21	17.39	-80.72	5,776.36	1,411.26	5,694.07	5,656.32	37.75	150.841		
3,400.00	3,205.84	3,829.30	3,734.89	22.06	17.59	-80.76	5,772.72	1,420.11	5,676.49	5,637.67	38.82	146.234		
3,500.00	3,296.99	3,892.00	3,794.94	22.92	17.98	-80.85	5,766.44	1,437.02	5,660.06	5,620.01	40.05	141.317		
3,600.00	3,388.13	3,917.99	3,819.90	23.77	18.14	-80.89	5,764.09	1,443.88	5,644.40	5,603.32	41.08	137.397		
3,700.00	3,479.28	3,987.00	3,886.39	24.63	18.55	-81.00	5,758.22	1,461.37	5,629.59	5,587.26	42.34	132.972		
3,800.00	3,570.42	4,026.61	3,924.72	25.48	18.77	-81.07	5,755.17	1,470.90	5,615.55	5,572.13	43.42	129.321		
3,900.00	3,661.57	4,284.65	4,174.76	26.34	20.23	-81.56	5,732.12	1,530.13	5,599.89	5,554.30	45.59	122.833		
4,000.00	3,752.71	4,370.00	4,256.96	27.20	20.73	-81.70	5,723.36	1,551.32	5,583.56	5,536.63	46.92	118.991		
4,100.00	3,843.86	4,414.98	4,300.18	28.05	21.00	-81.77	5,718.98	1,563.02	5,567.91	5,519.85	48.06	115.856		
4,200.00	3,935.00	4,464.00	4,347.58	28.91	21.29	-81.86	5,714.95	1,574.81	5,553.46	5,504.24	49.21	112.846		
4,300.00	4,026.15	4,509.81	4,391.96	29.77	21.55	-81.94	5,711.61	1,585.66	5,539.92	5,489.58	50.34	110.041		
4,400.00	4,117.29	4,586.94	4,466.35	30.63	22.00	-82.07	5,706.21	1,605.29	5,526.96	5,475.31	51.64	107.022		
4,500.00	4,208.44	4,824.27	4,694.43	31.49	23.44	-82.44	5,687.53	1,668.17	5,513.56	5,459.75	53.81	102.473		
4,600.00	4,299.58	4,890.07	4,757.35	32.35	23.85	-82.54	5,681.43	1,686.40	5,498.53	5,443.46	55.07	99.846		
4,700.00	4,390.73	4,940.00	4,805.22	33.21	24.16	-82.61	5,677.22	1,699.97	5,484.35	5,428.09	56.25	97.496		
4,800.00	4,481.88	4,940.00	4,805.22	34.07	24.16	-82.61	5,677.22	1,699.97	5,471.52	5,414.36	57.16	95.728		
4,900.00	4,573.02	5,000.04	4,863.18	34.93	24.50	-82.72	5,673.19	1,715.04	5,459.40	5,401.04	58.36	93.550		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 466-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,664.17	5,034.00	4,896.25	35.79	24.69	-82.79	5,671.60	1,722.62	5,448.85	5,389.43	59.42	91.697	
5,100.00	4,755.31	5,463.19	5,309.99	36.65	27.22	-83.53	5,640.77	1,831.53	5,436.39	5,373.87	62.52	86.958	
5,200.00	4,846.46	5,593.62	5,434.61	37.51	28.05	-83.73	5,626.89	1,867.39	5,420.22	5,356.10	64.12	84.530	
5,300.00	4,937.60	5,644.41	5,483.13	38.37	28.36	-83.80	5,621.47	1,881.39	5,404.13	5,338.81	65.31	82.743	
5,400.00	5,028.75	5,705.00	5,541.75	39.23	28.72	-83.92	5,615.85	1,895.65	5,389.20	5,322.66	66.54	80.992	
5,500.00	5,119.89	5,705.00	5,541.75	40.09	28.72	-83.92	5,615.85	1,895.65	5,375.27	5,307.80	67.47	79.666	
5,600.00	5,211.04	5,773.57	5,608.89	40.96	29.05	-84.09	5,610.49	1,908.50	5,362.25	5,293.58	68.66	78.094	
5,700.00	5,302.18	5,825.88	5,660.51	41.82	29.29	-84.25	5,607.01	1,916.14	5,350.31	5,280.54	69.77	76.682	
5,800.00	5,393.33	5,899.00	5,732.91	42.68	29.60	-84.48	5,602.62	1,925.42	5,339.18	5,268.24	70.93	75.272	
5,900.00	5,484.47	5,899.00	5,732.91	43.54	29.60	-84.48	5,602.62	1,925.42	5,329.13	5,257.30	71.83	74.191	
6,000.00	5,575.62	5,957.07	5,790.59	44.40	29.82	-84.67	5,599.95	1,931.60	5,320.00	5,247.10	72.90	72.973	
6,100.00	5,666.76	5,994.00	5,827.36	45.26	29.95	-84.80	5,598.89	1,934.84	5,312.39	5,238.49	73.90	71.884	
6,175.79	5,735.84	6,027.34	5,860.61	45.92	30.05	-84.93	5,598.22	1,937.15	5,307.40	5,232.75	74.65	71.097	
6,200.00	5,757.87	6,041.08	5,874.33	46.13	30.10	-79.77	5,597.98	1,937.88	5,305.41	5,230.51	74.90	70.837	
6,250.00	5,803.02	6,068.90	5,902.12	46.56	30.18	-69.94	5,597.53	1,938.96	5,298.25	5,222.85	75.40	70.268	
6,300.00	5,847.42	6,090.00	5,923.21	46.99	30.24	-61.52	5,597.25	1,939.42	5,287.03	5,211.15	75.88	69.680	
6,350.00	5,890.72	6,090.00	5,923.21	47.41	30.24	-54.52	5,597.25	1,939.42	5,271.98	5,195.71	76.27	69.120	
6,400.00	5,932.60	6,090.00	5,923.21	47.83	30.24	-48.90	5,597.25	1,939.42	5,253.26	5,176.61	76.65	68.536	
6,450.00	5,972.74	6,090.00	5,923.21	48.23	30.24	-44.43	5,597.25	1,939.42	5,230.96	5,153.96	77.00	67.931	
6,500.00	6,010.83	6,090.00	5,923.21	48.61	30.24	-40.90	5,597.25	1,939.42	5,205.21	5,127.88	77.34	67.307	
6,550.00	6,046.58	6,090.00	5,923.21	48.98	30.24	-38.15	5,597.25	1,939.42	5,176.16	5,098.52	77.64	66.667	
6,600.00	6,079.73	6,090.00	5,923.21	49.33	30.24	-36.02	5,597.25	1,939.42	5,143.97	5,066.05	77.92	66.013	
6,650.00	6,110.01	6,090.00	5,923.21	49.67	30.24	-34.45	5,597.25	1,939.42	5,108.84	5,030.66	78.18	65.348	
6,700.00	6,137.21	6,090.00	5,923.21	49.98	30.24	-33.35	5,597.25	1,939.42	5,070.96	4,992.55	78.41	64.674	
6,750.00	6,161.10	6,090.00	5,923.21	50.28	30.24	-32.73	5,597.25	1,939.42	5,030.58	4,951.96	78.61	63.994	
6,800.00	6,181.52	6,090.00	5,923.21	50.55	30.24	-32.60	5,597.25	1,939.42	4,987.93	4,909.14	78.79	63.309	
6,850.00	6,198.29	6,090.00	5,923.21	50.81	30.24	-33.07	5,597.25	1,939.42	4,943.30	4,864.36	78.94	62.622	
6,900.00	6,211.31	6,090.00	5,923.21	51.05	30.24	-34.37	5,597.25	1,939.42	4,896.97	4,817.90	79.07	61.935	
6,950.00	6,220.46	6,133.70	5,966.89	51.27	30.34	-38.31	5,598.21	1,939.97	4,847.54	4,768.22	79.32	61.113	
7,000.00	6,225.68	6,134.64	5,967.83	51.47	30.34	-45.07	5,598.26	1,939.98	4,798.68	4,719.27	79.41	60.431	
7,040.67	6,227.00	6,135.07	5,968.26	51.63	30.34	-58.32	5,598.29	1,939.99	4,758.42	4,678.95	79.46	59.884	
7,100.00	6,227.00	6,135.48	5,968.67	51.85	30.35	-58.36	5,598.31	1,939.99	4,699.45	4,619.93	79.53	59.092	
7,200.00	6,227.00	6,136.20	5,969.39	52.25	30.35	-58.43	5,598.36	1,940.00	4,600.09	4,520.44	79.64	57.759	
7,300.00	6,227.00	6,136.95	5,970.13	52.70	30.35	-58.50	5,598.40	1,940.00	4,500.75	4,420.98	79.76	56.425	
7,400.00	6,227.00	6,137.72	5,970.91	53.18	30.35	-58.57	5,598.45	1,940.01	4,401.44	4,321.55	79.89	55.093	
7,500.00	6,227.00	6,138.53	5,971.71	53.71	30.35	-58.65	5,598.50	1,940.02	4,302.16	4,222.13	80.02	53.760	
7,600.00	6,227.00	6,139.37	5,972.55	54.28	30.35	-58.72	5,598.56	1,940.03	4,202.91	4,122.75	80.16	52.429	
7,700.00	6,227.00	6,140.25	5,973.42	54.89	30.36	-58.81	5,598.61	1,940.04	4,103.70	4,023.39	80.31	51.098	
7,800.00	6,227.00	6,141.16	5,974.34	55.55	30.36	-58.89	5,598.68	1,940.05	4,004.53	3,924.06	80.47	49.767	
7,900.00	6,227.00	6,142.11	5,975.29	56.25	30.36	-58.98	5,598.74	1,940.06	3,905.40	3,824.77	80.63	48.438	
8,000.00	6,227.00	6,143.11	5,976.28	56.99	30.36	-59.07	5,598.81	1,940.07	3,806.31	3,725.51	80.80	47.109	
8,100.00	6,227.00	6,144.15	5,977.32	57.78	30.37	-59.17	5,598.89	1,940.08	3,707.27	3,626.29	80.98	45.781	
8,200.00	6,227.00	6,186.00	6,018.92	58.62	30.46	-63.27	5,603.33	1,940.40	3,609.82	3,528.50	81.32	44.389	
8,300.00	6,227.00	6,186.00	6,018.92	59.49	30.46	-63.27	5,603.33	1,940.40	3,510.80	3,429.28	81.52	43.066	
8,400.00	6,227.00	6,186.00	6,018.92	60.41	30.46	-63.27	5,603.33	1,940.40	3,411.84	3,330.11	81.73	41.744	
8,500.00	6,227.00	6,186.00	6,018.92	61.37	30.46	-63.27	5,603.33	1,940.40	3,312.95	3,230.99	81.96	40.424	
8,600.00	6,227.00	6,186.00	6,018.92	62.37	30.46	-63.27	5,603.33	1,940.40	3,214.12	3,131.93	82.19	39.105	
8,700.00	6,227.00	6,186.00	6,018.92	63.41	30.46	-63.27	5,603.33	1,940.40	3,115.37	3,032.92	82.44	37.788	
8,800.00	6,227.00	6,186.00	6,018.92	64.49	30.46	-63.27	5,603.33	1,940.40	3,016.70	2,933.99	82.71	36.473	
8,900.00	6,227.00	6,186.00	6,018.92	65.60	30.46	-63.27	5,603.33	1,940.40	2,918.12	2,835.12	82.99	35.160	
9,000.00	6,227.00	6,186.00	6,018.92	66.74	30.46	-63.27	5,603.33	1,940.40	2,819.63	2,736.34	83.30	33.849	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 466-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	6,186.00	6,018.92	67.92	30.46	-63.27	5,603.33	1,940.40	2,721.27	2,637.64	83.63	32.541	
9,200.00	6,227.00	6,186.00	6,018.92	69.13	30.46	-63.27	5,603.33	1,940.40	2,623.02	2,539.04	83.97	31.236	
9,300.00	6,227.00	6,186.00	6,018.92	70.37	30.46	-63.27	5,603.33	1,940.40	2,524.91	2,440.56	84.35	29.934	
9,400.00	6,227.00	6,186.00	6,018.92	71.63	30.46	-63.27	5,603.33	1,940.40	2,426.96	2,342.20	84.76	28.635	
9,500.00	6,227.00	6,186.00	6,018.92	72.92	30.46	-63.27	5,603.33	1,940.40	2,329.18	2,243.98	85.19	27.340	
9,600.00	6,227.00	6,186.00	6,018.92	74.23	30.46	-63.27	5,603.33	1,940.40	2,231.59	2,145.92	85.67	26.050	
9,700.00	6,227.00	6,186.00	6,018.92	75.57	30.46	-63.27	5,603.33	1,940.40	2,134.23	2,048.05	86.18	24.764	
9,800.00	6,227.00	6,186.00	6,018.92	76.93	30.46	-63.27	5,603.33	1,940.40	2,037.13	1,950.38	86.74	23.484	
9,900.00	6,227.00	6,186.00	6,018.92	78.31	30.46	-63.27	5,603.33	1,940.40	1,940.32	1,852.96	87.36	22.211	
10,000.00	6,227.00	6,186.00	6,018.92	79.71	30.46	-63.27	5,603.33	1,940.40	1,843.85	1,755.82	88.03	20.945	
10,100.00	6,227.00	6,186.00	6,018.92	81.12	30.46	-63.27	5,603.33	1,940.40	1,747.78	1,659.00	88.77	19.688	
10,200.00	6,227.00	6,186.00	6,018.92	82.55	30.46	-63.27	5,603.33	1,940.40	1,652.17	1,562.58	89.59	18.441	
10,300.00	6,227.00	6,186.00	6,018.92	84.00	30.46	-63.27	5,603.33	1,940.40	1,557.11	1,466.61	90.50	17.206	
10,400.00	6,227.00	6,186.00	6,018.92	85.46	30.46	-63.27	5,603.33	1,940.40	1,462.72	1,371.21	91.51	15.984	
10,500.00	6,227.00	6,186.00	6,018.92	86.94	30.46	-63.27	5,603.33	1,940.40	1,369.12	1,276.48	92.64	14.779	
10,600.00	6,227.00	6,186.00	6,018.92	88.43	30.46	-63.27	5,603.33	1,940.40	1,276.49	1,182.59	93.91	13.593	
10,700.00	6,227.00	6,207.59	6,040.22	89.93	30.50	-65.49	5,606.84	1,940.53	1,184.39	1,088.75	95.64	12.383	
10,800.00	6,227.00	6,213.37	6,045.90	91.44	30.51	-66.10	5,607.96	1,940.56	1,094.03	996.65	97.38	11.234	
10,900.00	6,227.00	6,234.00	6,066.01	92.96	30.55	-68.30	5,612.52	1,940.69	1,005.68	906.06	99.62	10.095	
11,000.00	6,227.00	6,234.00	6,066.01	94.50	30.55	-68.30	5,612.52	1,940.69	918.96	817.16	101.80	9.027	
11,100.00	6,227.00	6,234.00	6,066.01	96.04	30.55	-68.30	5,612.52	1,940.69	835.22	730.98	104.25	8.012	
11,200.00	6,227.00	6,251.65	6,083.10	97.59	30.57	-70.22	5,616.97	1,940.75	755.09	647.62	107.46	7.026	
11,300.00	6,227.00	6,267.30	6,098.17	99.15	30.59	-71.96	5,621.15	1,940.70	679.68	568.67	111.01	6.123	
11,400.00	6,227.00	6,281.00	6,111.32	100.72	30.61	-73.51	5,624.99	1,940.58	610.65	495.88	114.76	5.321	
11,500.00	6,227.00	6,300.50	6,129.89	102.30	30.64	-75.75	5,630.93	1,940.30	550.29	431.52	118.77	4.633	
11,600.00	6,227.00	6,329.00	6,156.61	103.88	30.67	-79.04	5,640.82	1,939.63	501.71	378.93	122.78	4.086	
11,700.00	6,227.00	6,347.35	6,173.52	105.47	30.68	-81.16	5,647.93	1,939.09	467.68	342.73	124.95	3.743	
11,743.45	6,227.00	6,361.67	6,186.54	106.17	30.69	-82.80	5,653.86	1,938.65	458.20	332.60	125.60	3.648	
11,808.25	6,227.00	6,385.80	6,208.11	107.20	30.71	-85.53	5,664.64	1,937.87	449.60	323.80	125.80	3.574	
11,856.75	6,227.00	6,406.39	6,226.07	107.97	30.72	-87.83	5,674.68	1,937.12	447.55	322.21	125.33	3.571 CC, ES	
11,900.00	6,227.00	6,428.38	6,244.73	108.66	30.72	-90.22	5,686.28	1,936.22	449.11	324.51	124.60	3.604	
12,000.00	6,227.00	6,505.30	6,304.93	110.26	30.72	-97.83	5,733.93	1,933.37	462.20	339.16	123.04	3.757	
12,100.00	6,227.00	6,584.97	6,360.18	111.86	30.68	-104.51	5,791.20	1,930.16	484.56	364.11	120.45	4.023	
12,200.00	6,227.00	6,780.90	6,465.84	113.47	30.55	-116.23	5,954.84	1,928.73	508.10	384.47	123.63	4.110	
12,300.00	6,227.00	6,907.54	6,504.95	115.08	30.44	-120.44	6,075.00	1,933.81	518.79	394.51	124.28	4.174	
12,400.00	6,227.00	7,031.05	6,519.93	116.70	30.32	-121.88	6,197.44	1,932.80	524.77	398.14	126.64	4.144	
12,500.00	6,227.00	7,134.50	6,519.59	118.33	30.23	-121.59	6,300.72	1,927.12	528.25	399.17	129.08	4.092	
12,600.00	6,227.00	7,219.84	6,518.27	119.96	30.19	-121.18	6,385.82	1,920.98	532.61	402.13	130.48	4.082	
12,700.00	6,227.00	7,303.51	6,517.98	121.60	30.18	-120.74	6,469.05	1,912.42	540.18	408.43	131.75	4.100	
12,800.00	6,227.00	7,400.93	6,519.77	123.24	30.25	-120.36	6,565.81	1,901.24	549.97	415.90	134.07	4.102	
12,900.00	6,227.00	7,545.71	6,523.63	124.88	30.70	-120.29	6,710.15	1,891.54	556.40	416.63	139.77	3.981	
13,000.00	6,227.00	7,644.81	6,524.65	126.53	31.32	-120.30	6,809.21	1,888.78	558.29	416.16	142.13	3.928	
13,100.00	6,227.00	7,751.29	6,525.40	128.18	32.22	-120.34	6,915.68	1,887.00	559.04	414.00	145.04	3.854	
13,200.00	6,227.00	7,855.56	6,525.05	129.84	33.26	-120.29	7,019.93	1,885.37	559.19	411.27	147.92	3.780	
13,300.00	6,227.00	7,954.83	6,521.75	131.50	34.35	-119.96	7,119.12	1,883.40	558.22	407.47	150.75	3.703	
13,311.17	6,227.00	7,964.30	6,521.48	131.68	34.46	-119.93	7,128.58	1,883.14	558.20	407.26	150.94	3.698	
13,400.00	6,227.00	8,047.06	6,520.25	133.16	35.42	-119.73	7,211.29	1,880.49	559.06	406.06	153.00	3.654	
13,500.00	6,227.00	8,153.32	6,521.13	134.83	36.72	-119.81	7,317.53	1,879.15	559.52	403.43	156.09	3.585	
13,565.51	6,227.00	8,218.69	6,522.13	135.92	37.55	-119.93	7,382.89	1,879.10	559.38	401.64	157.74	3.546	
13,600.00	6,227.00	8,248.83	6,522.79	136.50	37.94	-120.01	7,413.02	1,878.99	559.51	401.23	158.29	3.535	
13,700.00	6,227.00	8,352.20	6,525.76	138.17	39.29	-120.28	7,516.35	1,877.95	560.82	399.78	161.03	3.483	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 466-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	8,464.44	6,526.24	139.85	40.81	-120.42	7,628.58	1,878.52	559.52	394.93	164.59	3.399	
13,900.00	6,227.00	8,565.11	6,524.23	141.53	42.21	-120.31	7,729.23	1,878.66	557.35	389.81	167.54	3.327	
14,000.00	6,227.00	8,664.39	6,522.32	143.21	43.62	-120.21	7,828.49	1,878.72	555.30	384.87	170.42	3.258	
14,100.00	6,227.00	8,753.74	6,521.29	144.89	44.91	-120.15	7,917.83	1,878.30	554.10	381.60	172.50	3.212	
14,104.45	6,227.00	8,757.62	6,521.27	144.96	44.96	-120.15	7,921.72	1,878.24	554.10	381.52	172.58	3.211	
14,200.00	6,227.00	8,846.83	6,521.22	146.58	46.26	-120.10	8,010.91	1,876.39	554.79	379.95	174.84	3.173	
14,300.00	6,227.00	8,943.03	6,521.85	148.26	47.68	-120.09	8,107.07	1,873.90	556.32	378.91	177.42	3.136	
14,400.00	6,227.00	9,052.49	6,523.07	149.96	49.32	-120.15	8,216.50	1,871.67	557.64	376.58	181.06	3.080	
14,500.00	6,227.00	9,155.32	6,523.21	151.65	50.88	-120.18	8,319.32	1,870.75	557.43	373.26	184.17	3.027	
14,600.00	6,227.00	9,272.14	6,522.13	153.34	52.67	-120.20	8,436.12	1,871.62	555.24	366.85	188.39	2.947	
14,700.00	6,227.00	9,363.95	6,521.41	155.04	54.09	-120.26	8,527.92	1,872.92	552.60	361.96	190.64	2.899	
14,800.00	6,227.00	9,455.18	6,521.58	156.74	55.52	-120.34	8,619.16	1,873.10	551.48	358.70	192.78	2.861	
14,819.41	6,227.00	9,472.84	6,521.76	157.07	55.79	-120.37	8,636.81	1,873.03	551.45	358.27	193.18	2.855	
14,900.00	6,227.00	9,547.24	6,523.53	158.44	56.96	-120.55	8,711.19	1,872.60	551.98	357.18	194.81	2.834	
15,000.00	6,227.00	9,658.14	6,526.06	160.14	58.72	-120.87	8,822.06	1,873.01	551.76	353.45	198.31	2.782	
15,100.00	6,227.00	9,769.50	6,526.74	161.85	60.49	-121.03	8,933.40	1,873.61	550.66	348.69	201.97	2.726	
15,200.00	6,227.00	9,862.26	6,524.35	163.56	61.98	-120.88	9,026.13	1,873.68	548.26	343.68	204.57	2.680	
15,300.00	6,227.00	9,954.58	6,522.21	165.26	63.47	-120.67	9,118.41	1,872.20	547.42	340.22	207.20	2.642	
15,313.95	6,227.00	9,967.36	6,521.96	165.50	63.68	-120.64	9,131.18	1,871.91	547.40	339.85	207.55	2.637	
15,400.00	6,227.00	10,043.45	6,520.96	166.97	64.91	-120.47	9,207.23	1,869.52	548.26	338.80	209.46	2.618	
15,500.00	6,227.00	10,140.59	6,519.98	168.68	66.49	-120.25	9,304.29	1,865.82	550.01	337.51	212.50	2.588	
15,600.00	6,227.00	10,234.03	6,519.49	170.40	68.02	-120.01	9,397.60	1,860.92	553.24	338.01	215.22	2.571 SF	
15,700.00	6,227.00	10,246.00	6,519.47	172.11	68.22	-119.98	9,409.55	1,860.28	563.70	356.37	207.34	2.719	
15,800.00	6,227.00	10,246.00	6,519.47	173.83	68.22	-119.98	9,409.55	1,860.28	591.03	397.30	193.73	3.051	
15,900.00	6,227.00	10,246.00	6,519.47	175.54	68.22	-119.98	9,409.55	1,860.28	633.14	455.21	177.93	3.558	
16,000.00	6,227.00	10,246.00	6,519.47	177.26	68.22	-119.98	9,409.55	1,860.28	687.32	525.30	162.02	4.242	
16,100.00	6,227.00	10,246.00	6,519.47	178.98	68.22	-119.98	9,409.55	1,860.28	750.97	603.64	147.33	5.097	
16,200.00	6,227.00	10,246.00	6,519.47	180.70	68.22	-119.98	9,409.55	1,860.28	821.89	687.44	134.45	6.113	
16,300.00	6,227.00	10,246.00	6,519.47	182.42	68.22	-119.98	9,409.55	1,860.28	898.37	774.87	123.49	7.275	
16,400.00	6,227.00	10,246.00	6,519.47	184.15	68.22	-119.98	9,409.55	1,860.28	979.09	864.75	114.34	8.563	
16,500.00	6,227.00	10,246.00	6,519.47	185.87	68.22	-119.98	9,409.55	1,860.28	1,063.09	956.33	106.76	9.958	
16,600.00	6,227.00	10,246.00	6,519.47	187.60	68.22	-119.98	9,409.55	1,860.28	1,149.66	1,049.13	100.53	11.437	
16,700.00	6,227.00	10,246.00	6,519.47	189.32	68.22	-119.98	9,409.55	1,860.28	1,238.25	1,142.84	95.41	12.979	
16,800.00	6,227.00	10,246.00	6,519.47	191.05	68.22	-119.98	9,409.55	1,860.28	1,328.46	1,237.25	91.21	14.565	
16,900.00	6,227.00	10,246.00	6,519.47	192.78	68.22	-119.98	9,409.55	1,860.28	1,419.99	1,332.21	87.77	16.178	
17,000.00	6,227.00	10,246.00	6,519.47	194.51	68.22	-119.98	9,409.55	1,860.28	1,512.58	1,427.63	84.96	17.804	
17,100.00	6,227.00	10,246.00	6,519.47	196.24	68.22	-119.98	9,409.55	1,860.28	1,606.07	1,523.42	82.65	19.432	
17,200.00	6,227.00	10,246.00	6,519.47	197.97	68.22	-119.98	9,409.55	1,860.28	1,700.30	1,619.54	80.76	21.054	
17,300.00	6,227.00	10,246.00	6,519.47	199.70	68.22	-119.98	9,409.55	1,860.28	1,795.15	1,715.94	79.21	22.662	
17,400.00	6,227.00	10,246.00	6,519.47	201.44	68.22	-119.98	9,409.55	1,860.28	1,890.53	1,812.58	77.95	24.254	
17,500.00	6,227.00	10,246.00	6,519.47	203.17	68.22	-119.98	9,409.55	1,860.28	1,986.37	1,909.45	76.92	25.825	
17,600.00	6,227.00	10,246.00	6,519.47	204.90	68.22	-119.98	9,409.55	1,860.28	2,082.60	2,006.52	76.08	27.375	
17,700.00	6,227.00	10,246.00	6,519.47	206.64	68.22	-119.98	9,409.55	1,860.28	2,179.16	2,103.77	75.40	28.903	
17,800.00	6,227.00	10,246.00	6,519.47	208.38	68.22	-119.98	9,409.55	1,860.28	2,276.03	2,201.18	74.85	30.408	
17,900.00	6,227.00	10,246.00	6,519.47	210.11	68.22	-119.98	9,409.55	1,860.28	2,373.15	2,298.74	74.41	31.892	
18,000.00	6,227.00	10,246.00	6,519.47	211.85	68.22	-119.98	9,409.55	1,860.28	2,470.51	2,396.44	74.07	33.356	
18,100.00	6,227.00	10,246.00	6,519.47	213.59	68.22	-119.98	9,409.55	1,860.28	2,568.07	2,494.27	73.80	34.799	
18,200.00	6,227.00	10,246.00	6,519.47	215.33	68.22	-119.98	9,409.55	1,860.28	2,665.80	2,592.21	73.59	36.224	
18,300.00	6,227.00	10,246.00	6,519.47	217.07	68.22	-119.98	9,409.55	1,860.28	2,763.70	2,690.26	73.44	37.632	
18,400.00	6,227.00	10,246.00	6,519.47	218.81	68.22	-119.98	9,409.55	1,860.28	2,861.75	2,788.41	73.34	39.023	
18,500.00	6,227.00	10,246.00	6,519.47	220.55	68.22	-119.98	9,409.55	1,860.28	2,959.93	2,886.66	73.27	40.398	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HC - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 466-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
18,600.00	6,227.00	10,246.00	6,519.47	222.29	68.22	-119.98	9,409.55	1,860.28	3,058.22	2,984.99	73.23	41.760		
18,700.00	6,227.00	10,246.00	6,519.47	224.03	68.22	-119.98	9,409.55	1,860.28	3,156.62	3,083.40	73.23	43.108		
18,800.00	6,227.00	10,246.00	6,519.47	225.78	68.22	-119.98	9,409.55	1,860.28	3,255.12	3,181.88	73.24	44.444		
18,900.00	6,227.00	10,246.00	6,519.47	227.52	68.22	-119.98	9,409.55	1,860.28	3,353.71	3,280.43	73.27	45.769		
19,000.00	6,227.00	10,246.00	6,519.47	229.26	68.22	-119.98	9,409.55	1,860.28	3,452.38	3,379.05	73.33	47.083		
19,100.00	6,227.00	10,246.00	6,519.47	231.01	68.22	-119.98	9,409.55	1,860.28	3,551.12	3,477.73	73.39	48.387		
19,200.00	6,227.00	10,246.00	6,519.47	232.75	68.22	-119.98	9,409.55	1,860.28	3,649.93	3,576.47	73.47	49.681		
19,300.00	6,227.00	10,246.00	6,519.47	234.50	68.22	-119.98	9,409.55	1,860.28	3,748.81	3,675.25	73.55	50.967		
19,400.00	6,227.00	10,246.00	6,519.47	236.25	68.22	-119.98	9,409.55	1,860.28	3,847.74	3,774.09	73.65	52.245		
19,500.00	6,227.00	10,246.00	6,519.47	237.99	68.22	-119.98	9,409.55	1,860.28	3,946.73	3,872.98	73.75	53.515		
19,600.00	6,227.00	10,246.00	6,519.47	239.74	68.22	-119.98	9,409.55	1,860.28	4,045.76	3,971.91	73.86	54.778		
19,700.00	6,227.00	10,246.00	6,519.47	241.49	68.22	-119.98	9,409.55	1,860.28	4,144.85	4,070.88	73.97	56.034		
19,800.00	6,227.00	10,246.00	6,519.47	243.24	68.22	-119.98	9,409.55	1,860.28	4,243.97	4,169.89	74.09	57.284		
19,900.00	6,227.00	10,246.00	6,519.47	244.98	68.22	-119.98	9,409.55	1,860.28	4,343.14	4,268.93	74.21	58.527		
20,000.00	6,227.00	10,246.00	6,519.47	246.73	68.22	-119.98	9,409.55	1,860.28	4,442.34	4,368.01	74.33	59.765		
20,100.00	6,227.00	10,246.00	6,519.47	248.48	68.22	-119.98	9,409.55	1,860.28	4,541.58	4,467.12	74.46	60.997		
20,200.00	6,227.00	10,246.00	6,519.47	250.23	68.22	-119.98	9,409.55	1,860.28	4,640.85	4,566.27	74.58	62.224		
20,300.00	6,227.00	10,246.00	6,519.47	251.98	68.22	-119.98	9,409.55	1,860.28	4,740.15	4,665.44	74.71	63.445		
20,400.00	6,227.00	10,246.00	6,519.47	253.73	68.22	-119.98	9,409.55	1,860.28	4,839.48	4,764.64	74.84	64.662		
20,500.00	6,227.00	10,246.00	6,519.47	255.49	68.22	-119.98	9,409.55	1,860.28	4,938.84	4,863.87	74.97	65.874		
20,600.00	6,227.00	10,246.00	6,519.47	257.24	68.22	-119.98	9,409.55	1,860.28	5,038.22	4,963.12	75.11	67.082		
20,700.00	6,227.00	10,246.00	6,519.47	258.99	68.22	-119.98	9,409.55	1,860.28	5,137.63	5,062.39	75.24	68.286		
20,800.00	6,227.00	10,246.00	6,519.47	260.74	68.22	-119.98	9,409.55	1,860.28	5,237.06	5,161.69	75.37	69.485		
20,900.00	6,227.00	10,246.00	6,519.47	262.49	68.22	-119.98	9,409.55	1,860.28	5,336.51	5,261.01	75.50	70.680		
21,000.00	6,227.00	10,246.00	6,519.47	264.25	68.22	-119.98	9,409.55	1,860.28	5,435.98	5,360.35	75.63	71.871		
21,100.00	6,227.00	10,246.00	6,519.47	266.00	68.22	-119.98	9,409.55	1,860.28	5,535.47	5,459.70	75.77	73.059		
21,200.00	6,227.00	10,246.00	6,519.47	267.75	68.22	-119.98	9,409.55	1,860.28	5,634.98	5,559.08	75.90	74.243		
21,300.00	6,227.00	10,246.00	6,519.47	269.51	68.22	-119.98	9,409.55	1,860.28	5,734.51	5,658.47	76.03	75.423		
21,400.00	6,227.00	10,246.00	6,519.47	271.26	68.22	-119.98	9,409.55	1,860.28	5,834.05	5,757.88	76.16	76.599		
21,500.00	6,227.00	10,246.00	6,519.47	273.02	68.22	-119.98	9,409.55	1,860.28	5,933.60	5,857.31	76.29	77.772		
21,600.00	6,227.00	10,246.00	6,519.47	274.77	68.22	-119.98	9,409.55	1,860.28	6,033.18	5,956.75	76.43	78.942		
21,700.00	6,227.00	10,246.00	6,519.47	276.53	68.22	-119.98	9,409.55	1,860.28	6,132.76	6,056.20	76.56	80.108		
21,800.00	6,227.00	10,246.00	6,519.47	278.28	68.22	-119.98	9,409.55	1,860.28	6,232.36	6,155.67	76.69	81.272		
21,900.00	6,227.00	10,246.00	6,519.47	280.04	68.22	-119.98	9,409.55	1,860.28	6,331.97	6,255.16	76.81	82.432		
22,000.00	6,227.00	10,246.00	6,519.47	281.80	68.22	-119.98	9,409.55	1,860.28	6,431.59	6,354.65	76.94	83.588		
22,085.16	6,227.00	10,246.00	6,519.47	283.29	68.22	-119.98	9,409.55	1,860.28	6,516.44	6,439.39	77.05	84.571		

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 604-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	16.78	16.78	0.00	0.03	7.68	6,021.69	812.43	6,076.24				
100.00	100.00	121.64	121.64	0.27	0.21	7.69	6,021.60	812.62	6,076.19	6,075.71	0.48	N/A	
200.00	200.00	226.50	226.50	0.63	0.40	7.69	6,021.40	813.11	6,076.06	6,075.03	1.02	5,937.721	
300.00	300.00	331.36	331.35	0.99	0.58	7.70	6,021.07	813.89	6,075.85	6,074.28	1.57	3,882.147	
400.00	400.00	436.21	436.19	1.34	0.76	7.71	6,020.61	814.96	6,075.55	6,073.45	2.11	2,883.734	
500.00	499.98	541.05	541.03	1.70	0.95	-74.36	6,020.03	816.32	6,074.71	6,072.07	2.64	2,298.982	
600.00	599.84	604.00	603.97	2.05	1.06	-74.41	6,019.63	817.28	6,072.98	6,069.88	3.10	1,956.040	
700.00	699.45	666.38	666.34	2.41	1.28	-74.48	6,019.61	818.25	6,070.94	6,067.25	3.69	1,645.565	
800.00	798.70	878.00	877.94	2.79	2.00	-74.79	6,019.41	817.24	6,067.49	6,062.70	4.79	1,267.108	
900.00	897.47	935.91	935.84	3.19	2.20	-74.98	6,019.01	816.34	6,062.54	6,057.16	5.39	1,125.767	
1,000.00	995.62	1,188.86	1,188.36	3.62	3.09	-75.45	6,012.97	825.82	6,055.28	6,048.57	6.71	902.862	
1,100.00	1,093.06	1,246.00	1,245.05	4.09	3.31	-75.67	6,010.76	832.62	6,047.01	6,039.63	7.38	819.708	
1,200.00	1,189.64	1,389.28	1,386.19	4.59	3.88	-75.96	6,004.20	856.30	6,037.87	6,029.43	8.44	715.188	
1,300.00	1,285.27	1,613.88	1,604.39	5.14	4.91	-76.30	5,988.87	907.07	6,026.33	6,016.34	9.99	603.082	
1,400.00	1,379.82	1,890.00	1,868.55	5.74	6.41	-76.68	5,960.88	982.31	6,010.76	5,998.71	12.04	499.098	
1,500.00	1,473.17	1,890.00	1,868.55	6.40	6.41	-77.00	5,960.88	982.31	5,994.54	5,981.84	12.69	472.236	
1,600.00	1,565.21	1,946.15	1,922.04	7.12	6.74	-77.37	5,955.07	998.34	5,978.22	5,964.49	13.72	435.642	
1,614.66	1,578.59	1,950.13	1,925.84	7.23	6.77	-77.42	5,954.70	999.51	5,975.90	5,962.04	13.85	431.330	
1,700.00	1,656.38	1,986.00	1,959.97	7.88	6.98	-77.45	5,951.74	1,010.12	5,962.90	5,948.19	14.71	405.482	
1,800.00	1,747.52	2,026.25	1,998.25	8.67	7.22	-77.49	5,948.75	1,022.18	5,948.56	5,932.84	15.72	378.442	
1,900.00	1,838.67	2,303.38	2,262.09	9.47	8.92	-77.78	5,924.87	1,103.46	5,933.46	5,915.32	18.14	327.017	
2,000.00	1,929.81	2,368.00	2,323.72	10.28	9.32	-77.86	5,918.75	1,121.89	5,917.08	5,897.75	19.33	306.098	
2,100.00	2,020.96	2,416.56	2,370.00	11.10	9.62	-77.91	5,914.47	1,135.94	5,901.33	5,880.89	20.44	288.743	
2,200.00	2,112.10	2,718.08	2,656.28	11.92	11.57	-78.22	5,882.87	1,224.93	5,884.50	5,861.41	23.09	254.880	
2,300.00	2,203.25	2,837.70	2,769.19	12.75	12.38	-78.33	5,867.75	1,261.46	5,865.40	5,840.73	24.67	237.764	
2,400.00	2,294.39	2,888.62	2,817.45	13.59	12.70	-78.38	5,861.26	1,276.31	5,846.32	5,820.50	25.82	226.468	
2,500.00	2,385.54	2,936.00	2,862.78	14.43	13.01	-78.45	5,856.14	1,289.10	5,828.52	5,801.57	26.94	216.319	
2,600.00	2,476.68	3,054.32	2,976.31	15.27	13.73	-78.61	5,843.51	1,319.96	5,811.05	5,782.60	28.46	204.208	
2,700.00	2,567.83	3,126.00	3,045.26	16.11	14.16	-78.72	5,835.85	1,337.97	5,793.45	5,763.74	29.71	195.007	
2,800.00	2,658.97	3,222.00	3,137.90	16.96	14.72	-78.88	5,825.64	1,360.97	5,775.86	5,744.78	31.08	185.851	
2,900.00	2,750.12	3,270.98	3,185.18	17.80	15.01	-78.96	5,820.60	1,372.72	5,758.79	5,726.58	32.21	178.809	
3,000.00	2,841.26	3,703.00	3,591.91	18.65	17.99	-79.37	5,762.49	1,504.23	5,737.57	5,701.85	35.71	160.662	
3,100.00	2,932.41	3,738.65	3,624.69	19.50	18.27	-79.39	5,756.79	1,517.04	5,715.86	5,679.02	36.84	155.136	
3,200.00	3,023.55	3,798.00	3,679.84	20.35	18.72	-79.42	5,748.52	1,537.36	5,695.60	5,657.47	38.14	149.349	
3,300.00	3,114.70	3,798.00	3,679.84	21.21	18.72	-79.42	5,748.52	1,537.36	5,676.00	5,636.97	39.03	145.422	
3,400.00	3,205.84	3,841.09	3,720.22	22.06	19.03	-79.45	5,743.28	1,551.45	5,657.73	5,617.53	40.20	140.756	
3,500.00	3,296.99	3,894.00	3,770.07	22.92	19.41	-79.50	5,737.45	1,568.18	5,640.43	5,599.01	41.42	136.170	
3,600.00	3,388.13	3,894.00	3,770.07	23.77	19.41	-79.50	5,737.45	1,568.18	5,624.30	5,581.99	42.31	132.928	
3,700.00	3,479.28	3,959.87	3,832.55	24.63	19.84	-79.57	5,731.29	1,588.12	5,608.87	5,565.28	43.60	128.657	
3,800.00	3,570.42	3,990.00	3,861.27	25.48	20.05	-79.61	5,728.92	1,596.91	5,594.75	5,550.09	44.66	125.268	
3,900.00	3,661.57	4,051.61	3,920.31	26.34	20.42	-79.69	5,724.71	1,613.99	5,581.53	5,535.64	45.89	121.622	
4,000.00	3,752.71	4,432.23	4,290.09	27.20	22.52	-80.44	5,693.36	1,697.74	5,567.30	5,518.69	48.61	114.524	
4,100.00	3,843.86	4,527.18	4,381.74	28.05	23.07	-80.61	5,682.38	1,719.99	5,549.26	5,499.28	49.98	111.031	
4,200.00	3,935.00	4,628.83	4,480.28	28.91	23.65	-80.81	5,671.59	1,742.47	5,532.13	5,480.75	51.38	107.678	
4,300.00	4,026.15	4,705.78	4,554.34	29.77	24.10	-80.94	5,662.85	1,761.40	5,514.52	5,461.85	52.66	104.715	
4,400.00	4,117.29	4,757.17	4,604.15	30.63	24.40	-81.04	5,657.55	1,772.90	5,497.77	5,443.94	53.83	102.137	
4,500.00	4,208.44	4,894.67	4,736.56	31.49	25.22	-81.28	5,642.85	1,806.86	5,480.73	5,425.30	55.43	98.884	
4,600.00	4,299.58	4,947.00	4,786.83	32.35	25.54	-81.37	5,637.28	1,820.28	5,464.04	5,407.42	56.62	96.509	
4,700.00	4,390.73	4,986.88	4,825.17	33.21	25.79	-81.43	5,633.41	1,830.54	5,448.33	5,390.59	57.74	94.355	
4,800.00	4,481.88	5,042.00	4,878.12	34.07	26.12	-81.52	5,629.03	1,845.23	5,434.02	5,375.07	58.95	92.187	
4,900.00	4,573.02	5,042.00	4,878.12	34.93	26.12	-81.52	5,629.03	1,845.23	5,420.65	5,360.80	59.85	90.570	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 604-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,664.17	5,089.09	4,923.49	35.79	26.39	-81.59	5,626.12	1,857.50	5,408.56	5,347.57	60.99	88.678	
5,100.00	4,755.31	5,137.00	4,969.98	36.65	26.67	-81.68	5,623.91	1,868.85	5,397.68	5,335.55	62.13	86.875	
5,200.00	4,846.46	5,255.64	5,085.67	37.51	27.29	-81.94	5,618.78	1,894.59	5,387.31	5,323.72	63.59	84.718	
5,300.00	4,937.60	5,403.93	5,230.41	38.37	28.06	-82.26	5,610.99	1,925.93	5,376.03	5,310.85	65.18	82.482	
5,400.00	5,028.75	5,470.44	5,295.44	39.23	28.40	-82.41	5,607.31	1,939.36	5,364.58	5,298.21	66.37	80.824	
5,500.00	5,119.89	5,535.69	5,359.41	40.09	28.72	-82.57	5,604.24	1,951.86	5,353.92	5,286.37	67.56	79.251	
5,600.00	5,211.04	5,671.87	5,492.95	40.96	29.39	-82.90	5,597.83	1,977.77	5,343.47	5,274.43	69.05	77.390	
5,700.00	5,302.18	5,740.72	5,560.47	41.82	29.72	-83.07	5,594.16	1,990.71	5,332.53	5,262.30	70.23	75.926	
5,800.00	5,393.33	5,804.00	5,622.83	42.68	30.01	-83.25	5,591.75	2,001.15	5,322.87	5,251.48	71.39	74.564	
5,900.00	5,484.47	5,804.00	5,622.83	43.54	30.01	-83.25	5,591.75	2,001.15	5,314.11	5,241.85	72.26	73.537	
6,000.00	5,575.62	5,874.83	5,692.94	44.40	30.30	-83.46	5,590.07	2,011.05	5,306.37	5,232.97	73.41	72.289	
6,100.00	5,666.76	5,899.00	5,716.93	45.26	30.40	-83.53	5,589.67	2,014.03	5,299.75	5,225.40	74.36	71.276	
6,175.79	5,735.84	5,948.10	5,765.68	45.92	30.58	-83.69	5,589.30	2,019.85	5,295.34	5,220.15	75.18	70.433	
6,200.00	5,757.87	5,957.25	5,774.77	46.13	30.61	-78.50	5,589.31	2,020.92	5,293.59	5,218.17	75.42	70.187	
6,250.00	5,803.02	5,995.00	5,812.26	46.56	30.75	-68.66	5,589.59	2,025.33	5,287.08	5,211.10	75.98	69.583	
6,300.00	5,847.42	5,995.00	5,812.26	46.99	30.75	-60.13	5,589.59	2,025.33	5,276.40	5,200.02	76.38	69.077	
6,350.00	5,890.72	5,995.00	5,812.26	47.41	30.75	-53.09	5,589.59	2,025.33	5,261.94	5,185.17	76.77	68.544	
6,400.00	5,932.60	5,995.00	5,812.26	47.83	30.75	-47.41	5,589.59	2,025.33	5,243.79	5,166.65	77.13	67.985	
6,450.00	5,972.74	6,016.11	5,833.23	48.23	30.82	-42.96	5,590.07	2,027.63	5,221.77	5,144.21	77.56	67.328	
6,500.00	6,010.83	6,022.68	5,839.76	48.61	30.84	-39.38	5,590.31	2,028.30	5,196.35	5,118.45	77.90	66.703	
6,550.00	6,046.58	6,043.00	5,859.97	48.98	30.91	-36.62	5,591.32	2,030.17	5,167.69	5,089.40	78.28	66.013	
6,600.00	6,079.73	6,043.00	5,859.97	49.33	30.91	-34.38	5,591.32	2,030.17	5,135.63	5,057.07	78.55	65.378	
6,650.00	6,110.01	6,043.00	5,859.97	49.67	30.91	-32.65	5,591.32	2,030.17	5,100.60	5,021.81	78.80	64.732	
6,700.00	6,137.21	6,043.00	5,859.97	49.98	30.91	-31.37	5,591.32	2,030.17	5,062.83	4,983.81	79.01	64.076	
6,750.00	6,161.10	6,043.00	5,859.97	50.28	30.91	-30.49	5,591.32	2,030.17	5,022.53	4,943.32	79.20	63.412	
6,800.00	6,181.52	6,061.71	5,878.59	50.55	30.96	-30.19	5,592.51	2,031.64	4,979.83	4,900.39	79.44	62.683	
6,850.00	6,198.29	6,067.64	5,884.49	50.81	30.98	-30.27	5,592.92	2,032.05	4,935.16	4,855.55	79.61	61.992	
6,900.00	6,211.31	6,072.52	5,889.35	51.05	30.99	-30.99	5,593.28	2,032.36	4,888.77	4,809.02	79.75	61.305	
6,950.00	6,220.46	6,090.00	5,906.75	51.27	31.04	-33.08	5,594.62	2,033.33	4,841.05	4,761.14	79.91	60.581	
7,000.00	6,225.68	6,090.00	5,906.75	51.47	31.04	-37.30	5,594.62	2,033.33	4,792.17	4,712.19	79.98	59.916	
7,040.67	6,227.00	6,090.00	5,906.75	51.63	31.04	-46.30	5,594.62	2,033.33	4,751.88	4,671.85	80.02	59.381	
7,100.00	6,227.00	6,090.00	5,906.75	51.85	31.04	-46.30	5,594.62	2,033.33	4,692.87	4,612.79	80.07	58.606	
7,200.00	6,227.00	6,090.00	5,906.75	52.25	31.04	-46.30	5,594.62	2,033.33	4,593.42	4,513.25	80.16	57.301	
7,300.00	6,227.00	6,090.00	5,906.75	52.70	31.04	-46.30	5,594.62	2,033.33	4,493.99	4,413.74	80.26	55.996	
7,400.00	6,227.00	6,090.00	5,906.75	53.18	31.04	-46.30	5,594.62	2,033.33	4,394.59	4,314.24	80.35	54.691	
7,500.00	6,227.00	6,090.00	5,906.75	53.71	31.04	-46.30	5,594.62	2,033.33	4,295.22	4,214.77	80.45	53.387	
7,600.00	6,227.00	6,090.00	5,906.75	54.28	31.04	-46.30	5,594.62	2,033.33	4,195.88	4,115.32	80.56	52.083	
7,700.00	6,227.00	6,090.00	5,906.75	54.89	31.04	-46.30	5,594.62	2,033.33	4,096.57	4,015.90	80.67	50.780	
7,800.00	6,227.00	6,090.00	5,906.75	55.55	31.04	-46.30	5,594.62	2,033.33	3,997.30	3,916.51	80.79	49.478	
7,900.00	6,227.00	6,090.00	5,906.75	56.25	31.04	-46.30	5,594.62	2,033.33	3,898.06	3,817.15	80.91	48.176	
8,000.00	6,227.00	6,090.00	5,906.75	56.99	31.04	-46.30	5,594.62	2,033.33	3,798.87	3,717.82	81.04	46.876	
8,100.00	6,227.00	6,107.82	5,924.48	57.78	31.09	-47.77	5,596.15	2,034.32	3,699.58	3,618.33	81.26	45.530	
8,200.00	6,227.00	6,110.96	5,927.59	58.62	31.09	-48.03	5,596.44	2,034.52	3,600.43	3,519.01	81.41	44.223	
8,300.00	6,227.00	6,114.23	5,930.84	59.49	31.10	-48.31	5,596.75	2,034.74	3,501.31	3,419.73	81.58	42.918	
8,400.00	6,227.00	6,117.65	5,934.23	60.41	31.11	-48.60	5,597.08	2,034.97	3,402.23	3,320.48	81.76	41.614	
8,500.00	6,227.00	6,121.21	5,937.77	61.37	31.12	-48.91	5,597.43	2,035.23	3,303.20	3,221.26	81.94	40.311	
8,600.00	6,227.00	6,139.00	5,955.41	62.37	31.17	-50.48	5,599.30	2,036.66	3,204.30	3,122.10	82.20	38.980	
8,700.00	6,227.00	6,139.00	5,955.41	63.41	31.17	-50.48	5,599.30	2,036.66	3,105.34	3,022.94	82.40	37.688	
8,800.00	6,227.00	6,139.00	5,955.41	64.49	31.17	-50.48	5,599.30	2,036.66	3,006.44	2,923.83	82.60	36.397	
8,900.00	6,227.00	6,139.00	5,955.41	65.60	31.17	-50.48	5,599.30	2,036.66	2,907.61	2,824.79	82.82	35.108	
9,000.00	6,227.00	6,139.00	5,955.41	66.74	31.17	-50.48	5,599.30	2,036.66	2,808.87	2,725.82	83.05	33.821	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HNB - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 604-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	6,139.00	5,955.41	67.92	31.17	-50.48	5,599.30	2,036.66	2,710.22	2,626.92	83.30	32.536		
9,200.00	6,227.00	6,139.00	5,955.41	69.13	31.17	-50.48	5,599.30	2,036.66	2,611.67	2,528.11	83.56	31.253		
9,300.00	6,227.00	6,154.22	5,970.46	70.37	31.21	-51.87	5,601.06	2,038.04	2,513.12	2,429.19	83.93	29.943		
9,400.00	6,227.00	6,158.99	5,975.17	71.63	31.22	-52.32	5,601.64	2,038.50	2,414.73	2,330.46	84.26	28.657		
9,500.00	6,227.00	6,164.03	5,980.15	72.92	31.24	-52.80	5,602.28	2,038.99	2,316.44	2,231.82	84.62	27.373		
9,600.00	6,227.00	6,169.36	5,985.40	74.23	31.25	-53.32	5,602.97	2,039.52	2,218.28	2,133.27	85.01	26.093		
9,700.00	6,227.00	6,186.00	6,001.80	75.57	31.30	-54.97	5,605.25	2,041.25	2,120.33	2,034.83	85.50	24.799		
9,800.00	6,227.00	6,186.00	6,001.80	76.93	31.30	-54.97	5,605.25	2,041.25	2,022.41	1,936.48	85.93	23.535		
9,900.00	6,227.00	6,186.00	6,001.80	78.31	31.30	-54.97	5,605.25	2,041.25	1,924.71	1,838.30	86.40	22.276		
10,000.00	6,227.00	6,186.00	6,001.80	79.71	31.30	-54.97	5,605.25	2,041.25	1,827.25	1,740.33	86.92	21.021		
10,100.00	6,227.00	6,186.00	6,001.80	81.12	31.30	-54.97	5,605.25	2,041.25	1,730.08	1,642.59	87.49	19.774		
10,200.00	6,227.00	6,200.28	6,015.83	82.55	31.34	-56.45	5,607.43	2,042.76	1,633.05	1,544.83	88.23	18.510		
10,300.00	6,227.00	6,205.54	6,020.99	84.00	31.35	-57.01	5,608.30	2,043.31	1,536.45	1,447.48	88.97	17.269		
10,400.00	6,227.00	6,216.00	6,031.23	85.46	31.38	-58.16	5,610.15	2,044.38	1,440.27	1,350.42	89.85	16.029		
10,500.00	6,227.00	6,216.00	6,031.23	86.94	31.38	-58.16	5,610.15	2,044.38	1,344.52	1,253.77	90.76	14.815		
10,600.00	6,227.00	6,216.00	6,031.23	88.43	31.38	-58.16	5,610.15	2,044.38	1,249.44	1,157.66	91.78	13.614		
10,700.00	6,227.00	6,230.08	6,044.97	89.93	31.42	-59.75	5,612.89	2,045.79	1,154.94	1,061.85	93.09	12.407		
10,800.00	6,227.00	6,246.00	6,060.42	91.44	31.45	-61.63	5,616.39	2,047.35	1,061.47	966.85	94.63	11.218		
10,900.00	6,227.00	6,246.00	6,060.42	92.96	31.45	-61.63	5,616.39	2,047.35	968.93	872.72	96.21	10.071		
11,000.00	6,227.00	6,257.07	6,071.10	94.50	31.48	-62.98	5,619.06	2,048.41	877.88	779.66	98.22	8.937		
11,100.00	6,227.00	6,269.56	6,083.12	96.04	31.51	-64.55	5,622.26	2,049.61	788.63	688.00	100.62	7.837		
11,200.00	6,227.00	6,282.00	6,095.03	97.59	31.54	-66.15	5,625.66	2,050.81	701.77	598.30	103.47	6.782		
11,300.00	6,227.00	6,301.38	6,113.45	99.15	31.58	-68.73	5,631.37	2,052.75	618.15	511.13	107.02	5.776		
11,400.00	6,227.00	6,322.00	6,132.85	100.72	31.62	-71.58	5,638.00	2,054.96	539.05	427.80	111.25	4.845		
11,500.00	6,227.00	6,344.72	6,153.95	102.30	31.66	-74.82	5,645.99	2,057.52	466.42	350.26	116.17	4.015		
11,600.00	6,227.00	6,370.97	6,177.98	103.88	31.71	-78.70	5,656.14	2,060.44	403.42	281.91	121.51	3.320		
11,700.00	6,227.00	6,404.89	6,208.03	105.47	31.77	-83.79	5,671.31	2,064.50	354.27	227.79	126.48	2.801		
11,743.45	6,227.00	6,425.72	6,225.38	106.17	31.81	-86.83	5,682.38	2,067.60	338.20	209.96	128.24	2.637		
11,808.25	6,227.00	6,457.20	6,250.02	107.20	31.85	-91.29	5,701.30	2,072.65	320.01	190.36	129.65	2.468		
11,900.00	6,227.00	6,505.00	6,284.46	108.66	31.90	-97.76	5,733.73	2,079.37	307.41	178.69	128.72	2.388 ES, SF		
11,919.45	6,227.00	6,511.57	6,289.04	108.97	31.90	-98.62	5,738.40	2,080.03	307.03	179.21	127.83	2.402 CC		
12,000.00	6,227.00	6,547.00	6,313.09	110.26	31.90	-103.11	5,764.30	2,082.39	313.88	190.93	122.95	2.553		
12,100.00	6,227.00	6,547.00	6,313.09	111.86	31.90	-103.11	5,764.30	2,082.39	345.83	235.48	110.35	3.134		
12,200.00	6,227.00	6,547.00	6,313.09	113.47	31.90	-103.11	5,764.30	2,082.39	400.85	303.29	97.56	4.109		
12,300.00	6,227.00	6,547.00	6,313.09	115.08	31.90	-103.11	5,764.30	2,082.39	470.92	383.35	87.57	5.378		
12,400.00	6,227.00	6,547.00	6,313.09	116.70	31.90	-103.11	5,764.30	2,082.39	550.31	469.54	80.77	6.813		
12,500.00	6,227.00	6,547.00	6,313.09	118.33	31.90	-103.11	5,764.30	2,082.39	635.55	559.04	76.51	8.307		
12,600.00	6,227.00	6,547.00	6,313.09	119.96	31.90	-103.11	5,764.30	2,082.39	724.57	650.58	73.99	9.792		
12,700.00	6,227.00	6,547.00	6,313.09	121.60	31.90	-103.11	5,764.30	2,082.39	816.14	743.53	72.61	11.240		
12,800.00	6,227.00	6,547.00	6,313.09	123.24	31.90	-103.11	5,764.30	2,082.39	909.49	837.56	71.93	12.644		
12,900.00	6,227.00	6,547.00	6,313.09	124.88	31.90	-103.11	5,764.30	2,082.39	1,004.11	932.44	71.67	14.009		
13,000.00	6,227.00	6,547.00	6,313.09	126.53	31.90	-103.11	5,764.30	2,082.39	1,099.69	1,028.02	71.67	15.343		
13,100.00	6,227.00	6,547.00	6,313.09	128.18	31.90	-103.11	5,764.30	2,082.39	1,196.00	1,124.17	71.82	16.652		
13,200.00	6,227.00	6,547.00	6,313.09	129.84	31.90	-103.11	5,764.30	2,082.39	1,292.86	1,220.81	72.05	17.943		
13,300.00	6,227.00	6,547.00	6,313.09	131.50	31.90	-103.11	5,764.30	2,082.39	1,390.17	1,317.83	72.33	19.219		
13,400.00	6,227.00	6,547.00	6,313.09	133.16	31.90	-103.11	5,764.30	2,082.39	1,487.83	1,415.20	72.64	20.484		
13,500.00	6,227.00	6,547.00	6,313.09	134.83	31.90	-103.11	5,764.30	2,082.39	1,585.79	1,512.85	72.94	21.740		
13,600.00	6,227.00	6,547.00	6,313.09	136.50	31.90	-103.11	5,764.30	2,082.39	1,683.99	1,610.74	73.25	22.989		
13,700.00	6,227.00	6,547.00	6,313.09	138.17	31.90	-103.11	5,764.30	2,082.39	1,782.38	1,708.83	73.55	24.233		
13,800.00	6,227.00	6,547.00	6,313.09	139.85	31.90	-103.11	5,764.30	2,082.39	1,880.95	1,807.11	73.84	25.472		
13,900.00	6,227.00	6,547.00	6,313.09	141.53	31.90	-103.11	5,764.30	2,082.39	1,979.66	1,905.54	74.12	26.708		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 604-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,000.00	6,227.00	6,547.00	6,313.09	143.21	31.90	-103.11	5,764.30	2,082.39	2,078.49	2,004.10	74.39	27.940	
14,100.00	6,227.00	6,547.00	6,313.09	144.89	31.90	-103.11	5,764.30	2,082.39	2,177.43	2,102.78	74.65	29.169	
14,200.00	6,227.00	6,547.00	6,313.09	146.58	31.90	-103.11	5,764.30	2,082.39	2,276.47	2,201.57	74.89	30.396	
14,300.00	6,227.00	6,547.00	6,313.09	148.26	31.90	-103.11	5,764.30	2,082.39	2,375.58	2,300.45	75.13	31.620	
14,400.00	6,227.00	6,547.00	6,313.09	149.96	31.90	-103.11	5,764.30	2,082.39	2,474.76	2,399.41	75.35	32.843	
14,500.00	6,227.00	6,547.00	6,313.09	151.65	31.90	-103.11	5,764.30	2,082.39	2,574.01	2,498.45	75.57	34.063	
14,600.00	6,227.00	6,547.00	6,313.09	153.34	31.90	-103.11	5,764.30	2,082.39	2,673.32	2,597.54	75.77	35.281	
14,700.00	6,227.00	6,547.00	6,313.09	155.04	31.90	-103.11	5,764.30	2,082.39	2,772.67	2,696.70	75.97	36.498	
14,800.00	6,227.00	6,547.00	6,313.09	156.74	31.90	-103.11	5,764.30	2,082.39	2,872.07	2,795.91	76.16	37.713	
14,900.00	6,227.00	6,547.00	6,313.09	158.44	31.90	-103.11	5,764.30	2,082.39	2,971.51	2,895.17	76.34	38.926	
15,000.00	6,227.00	6,547.00	6,313.09	160.14	31.90	-103.11	5,764.30	2,082.39	3,070.98	2,994.47	76.51	40.138	
15,100.00	6,227.00	6,547.00	6,313.09	161.85	31.90	-103.11	5,764.30	2,082.39	3,170.49	3,093.81	76.68	41.348	
15,200.00	6,227.00	6,547.00	6,313.09	163.56	31.90	-103.11	5,764.30	2,082.39	3,270.03	3,193.19	76.84	42.557	
15,300.00	6,227.00	6,547.00	6,313.09	165.26	31.90	-103.11	5,764.30	2,082.39	3,369.60	3,292.60	77.00	43.764	
15,400.00	6,227.00	6,547.00	6,313.09	166.97	31.90	-103.11	5,764.30	2,082.39	3,469.19	3,392.04	77.15	44.969	
15,500.00	6,227.00	6,547.00	6,313.09	168.68	31.90	-103.11	5,764.30	2,082.39	3,568.80	3,491.51	77.29	46.173	
15,600.00	6,227.00	6,547.00	6,313.09	170.40	31.90	-103.11	5,764.30	2,082.39	3,668.44	3,591.00	77.43	47.376	
15,700.00	6,227.00	6,547.00	6,313.09	172.11	31.90	-103.11	5,764.30	2,082.39	3,768.09	3,690.52	77.57	48.576	
15,800.00	6,227.00	6,547.00	6,313.09	173.83	31.90	-103.11	5,764.30	2,082.39	3,867.76	3,790.06	77.70	49.776	
15,900.00	6,227.00	6,547.00	6,313.09	175.54	31.90	-103.11	5,764.30	2,082.39	3,967.45	3,889.62	77.83	50.973	
16,000.00	6,227.00	6,547.00	6,313.09	177.26	31.90	-103.11	5,764.30	2,082.39	4,067.15	3,989.19	77.96	52.170	
16,100.00	6,227.00	6,547.00	6,313.09	178.98	31.90	-103.11	5,764.30	2,082.39	4,166.87	4,088.79	78.08	53.364	
16,200.00	6,227.00	6,547.00	6,313.09	180.70	31.90	-103.11	5,764.30	2,082.39	4,266.60	4,188.40	78.20	54.558	
16,300.00	6,227.00	6,547.00	6,313.09	182.42	31.90	-103.11	5,764.30	2,082.39	4,366.35	4,288.03	78.32	55.749	
16,400.00	6,227.00	6,547.00	6,313.09	184.15	31.90	-103.11	5,764.30	2,082.39	4,466.10	4,387.67	78.44	56.939	
16,500.00	6,227.00	6,547.00	6,313.09	185.87	31.90	-103.11	5,764.30	2,082.39	4,565.87	4,487.32	78.55	58.127	
16,600.00	6,227.00	6,547.00	6,313.09	187.60	31.90	-103.11	5,764.30	2,082.39	4,665.64	4,586.98	78.66	59.314	
16,700.00	6,227.00	6,547.00	6,313.09	189.32	31.90	-103.11	5,764.30	2,082.39	4,765.43	4,686.66	78.77	60.499	
16,800.00	6,227.00	6,547.00	6,313.09	191.05	31.90	-103.11	5,764.30	2,082.39	4,865.22	4,786.35	78.87	61.683	
16,900.00	6,227.00	6,547.00	6,313.09	192.78	31.90	-103.11	5,764.30	2,082.39	4,965.03	4,886.05	78.98	62.865	
17,000.00	6,227.00	6,547.00	6,313.09	194.51	31.90	-103.11	5,764.30	2,082.39	5,064.84	4,985.75	79.08	64.045	
17,100.00	6,227.00	6,547.00	6,313.09	196.24	31.90	-103.11	5,764.30	2,082.39	5,164.65	5,085.47	79.18	65.224	
17,200.00	6,227.00	6,547.00	6,313.09	197.97	31.90	-103.11	5,764.30	2,082.39	5,264.48	5,185.19	79.28	66.401	
17,300.00	6,227.00	6,547.00	6,313.09	199.70	31.90	-103.11	5,764.30	2,082.39	5,364.31	5,284.93	79.38	67.576	
17,400.00	6,227.00	6,547.00	6,313.09	201.44	31.90	-103.11	5,764.30	2,082.39	5,464.14	5,384.67	79.48	68.750	
17,500.00	6,227.00	6,547.00	6,313.09	203.17	31.90	-103.11	5,764.30	2,082.39	5,563.99	5,484.41	79.57	69.922	
17,600.00	6,227.00	6,547.00	6,313.09	204.90	31.90	-103.11	5,764.30	2,082.39	5,663.84	5,584.17	79.67	71.092	
17,700.00	6,227.00	6,547.00	6,313.09	206.64	31.90	-103.11	5,764.30	2,082.39	5,763.69	5,683.93	79.76	72.260	
17,800.00	6,227.00	6,547.00	6,313.09	208.38	31.90	-103.11	5,764.30	2,082.39	5,863.55	5,783.69	79.86	73.427	
17,900.00	6,227.00	6,547.00	6,313.09	210.11	31.90	-103.11	5,764.30	2,082.39	5,963.41	5,883.47	79.95	74.592	
18,000.00	6,227.00	6,547.00	6,313.09	211.85	31.90	-103.11	5,764.30	2,082.39	6,063.28	5,983.24	80.04	75.755	
18,100.00	6,227.00	6,547.00	6,313.09	213.59	31.90	-103.11	5,764.30	2,082.39	6,163.15	6,083.02	80.13	76.917	
18,200.00	6,227.00	6,547.00	6,313.09	215.33	31.90	-103.11	5,764.30	2,082.39	6,263.03	6,182.81	80.22	78.077	
18,300.00	6,227.00	6,547.00	6,313.09	217.07	31.90	-103.11	5,764.30	2,082.39	6,362.91	6,282.60	80.30	79.235	
18,400.00	6,227.00	6,547.00	6,313.09	218.81	31.90	-103.11	5,764.30	2,082.39	6,462.79	6,382.40	80.39	80.391	
18,500.00	6,227.00	6,547.00	6,313.09	220.55	31.90	-103.11	5,764.30	2,082.39	6,562.68	6,482.20	80.48	81.545	
18,600.00	6,227.00	6,547.00	6,313.09	222.29	31.90	-103.11	5,764.30	2,082.39	6,662.57	6,582.01	80.57	82.698	
18,700.00	6,227.00	6,547.00	6,313.09	224.03	31.90	-103.11	5,764.30	2,082.39	6,762.46	6,681.81	80.65	83.848	
18,800.00	6,227.00	6,547.00	6,313.09	225.78	31.90	-103.11	5,764.30	2,082.39	6,862.36	6,781.63	80.74	84.997	
18,900.00	6,227.00	6,547.00	6,313.09	227.52	31.90	-103.11	5,764.30	2,082.39	6,962.26	6,881.44	80.82	86.144	
19,000.00	6,227.00	6,547.00	6,313.09	229.26	31.90	-103.11	5,764.30	2,082.39	7,062.16	6,981.26	80.91	87.289	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HNB - OWB - FINAL SURVEY													Offset Site Error: 0.00 usft	
Survey Program: 604-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,100.00	6,227.00	6,547.00	6,313.09	231.01	31.90	-103.11	5,764.30	2,082.39	7,162.07	7,081.08	80.99	88.432		
19,200.00	6,227.00	6,547.00	6,313.09	232.75	31.90	-103.11	5,764.30	2,082.39	7,261.98	7,180.91	81.07	89.574		
19,300.00	6,227.00	6,547.00	6,313.09	234.50	31.90	-103.11	5,764.30	2,082.39	7,361.89	7,280.73	81.16	90.713		
19,400.00	6,227.00	6,547.00	6,313.09	236.25	31.90	-103.11	5,764.30	2,082.39	7,461.80	7,380.56	81.24	91.851		
19,500.00	6,227.00	6,547.00	6,313.09	237.99	31.90	-103.11	5,764.30	2,082.39	7,561.72	7,480.40	81.32	92.986		
19,600.00	6,227.00	6,547.00	6,313.09	239.74	31.90	-103.11	5,764.30	2,082.39	7,661.64	7,580.23	81.40	94.120		
19,700.00	6,227.00	6,547.00	6,313.09	241.49	31.90	-103.11	5,764.30	2,082.39	7,761.56	7,680.07	81.48	95.252		
19,800.00	6,227.00	6,547.00	6,313.09	243.24	31.90	-103.11	5,764.30	2,082.39	7,861.48	7,779.91	81.57	96.382		
19,900.00	6,227.00	6,547.00	6,313.09	244.98	31.90	-103.11	5,764.30	2,082.39	7,961.40	7,879.75	81.65	97.510		
20,000.00	6,227.00	6,547.00	6,313.09	246.73	31.90	-103.11	5,764.30	2,082.39	8,061.33	7,979.60	81.73	98.636		
20,100.00	6,227.00	6,547.00	6,313.09	248.48	31.90	-103.11	5,764.30	2,082.39	8,161.25	8,079.44	81.81	99.760		
20,200.00	6,227.00	6,547.00	6,313.09	250.23	31.90	-103.11	5,764.30	2,082.39	8,261.18	8,179.29	81.89	100.882		
20,300.00	6,227.00	6,547.00	6,313.09	251.98	31.90	-103.11	5,764.30	2,082.39	8,361.11	8,279.14	81.97	102.002		
20,400.00	6,227.00	6,547.00	6,313.09	253.73	31.90	-103.11	5,764.30	2,082.39	8,461.05	8,379.00	82.05	103.120		
20,500.00	6,227.00	6,547.00	6,313.09	255.49	31.90	-103.11	5,764.30	2,082.39	8,560.98	8,478.85	82.13	104.236		
20,600.00	6,227.00	6,547.00	6,313.09	257.24	31.90	-103.11	5,764.30	2,082.39	8,660.92	8,578.70	82.21	105.350		
20,700.00	6,227.00	6,547.00	6,313.09	258.99	31.90	-103.11	5,764.30	2,082.39	8,760.85	8,678.56	82.29	106.462		
20,800.00	6,227.00	6,547.00	6,313.09	260.74	31.90	-103.11	5,764.30	2,082.39	8,860.79	8,778.42	82.37	107.572		
20,900.00	6,227.00	6,547.00	6,313.09	262.49	31.90	-103.11	5,764.30	2,082.39	8,960.73	8,878.28	82.45	108.680		
21,000.00	6,227.00	6,547.00	6,313.09	264.25	31.90	-103.11	5,764.30	2,082.39	9,060.67	8,978.14	82.53	109.786		
21,100.00	6,227.00	6,547.00	6,313.09	266.00	31.90	-103.11	5,764.30	2,082.39	9,160.62	9,078.00	82.61	110.890		
21,200.00	6,227.00	6,547.00	6,313.09	267.75	31.90	-103.11	5,764.30	2,082.39	9,260.56	9,177.87	82.69	111.991		
21,300.00	6,227.00	6,547.00	6,313.09	269.51	31.90	-103.11	5,764.30	2,082.39	9,360.50	9,277.73	82.77	113.091		
21,400.00	6,227.00	6,547.00	6,313.09	271.26	31.90	-103.11	5,764.30	2,082.39	9,460.45	9,377.60	82.85	114.189		
21,500.00	6,227.00	6,547.00	6,313.09	273.02	31.90	-103.11	5,764.30	2,082.39	9,560.40	9,477.47	82.93	115.285		
21,600.00	6,227.00	6,547.00	6,313.09	274.77	31.90	-103.11	5,764.30	2,082.39	9,660.35	9,577.34	83.01	116.378		
21,700.00	6,227.00	6,547.00	6,313.09	276.53	31.90	-103.11	5,764.30	2,082.39	9,760.29	9,677.21	83.09	117.470		
21,800.00	6,227.00	6,547.00	6,313.09	278.28	31.90	-103.11	5,764.30	2,082.39	9,860.25	9,777.08	83.17	118.559		
21,900.00	6,227.00	6,547.00	6,313.09	280.04	31.90	-103.11	5,764.30	2,082.39	9,960.20	9,876.95	83.25	119.646		
22,000.00	6,227.00	6,547.00	6,313.09	281.80	31.90	-103.11	5,764.30	2,082.39	10,060.15	9,976.82	83.33	120.731		

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HNB - STK 1 - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 604-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	16.78	16.78	0.00	0.03	7.68	6,021.69	812.43	6,076.24				
100.00	100.00	121.64	121.64	0.27	0.21	7.69	6,021.60	812.62	6,076.19	6,075.71	0.48	N/A	
200.00	200.00	226.50	226.50	0.63	0.40	7.69	6,021.40	813.11	6,076.06	6,075.03	1.02	5,937.721	
300.00	300.00	331.36	331.35	0.99	0.58	7.70	6,021.07	813.89	6,075.85	6,074.28	1.57	3,882.147	
400.00	400.00	436.21	436.19	1.34	0.76	7.71	6,020.61	814.96	6,075.55	6,073.45	2.11	2,883.734	
500.00	499.98	541.05	541.03	1.70	0.95	-74.36	6,020.03	816.32	6,074.71	6,072.07	2.64	2,298.982	
600.00	599.84	604.00	603.97	2.05	1.06	-74.41	6,019.63	817.28	6,072.98	6,069.88	3.10	1,956.040	
700.00	699.45	666.38	666.34	2.41	1.28	-74.48	6,019.61	818.25	6,070.94	6,067.25	3.69	1,645.565	
800.00	798.70	878.00	877.94	2.79	2.00	-74.79	6,019.41	817.24	6,067.49	6,062.70	4.79	1,267.108	
900.00	897.47	935.91	935.84	3.19	2.20	-74.98	6,019.01	816.34	6,062.54	6,057.16	5.39	1,125.767	
1,000.00	995.62	1,188.86	1,188.36	3.62	3.09	-75.45	6,012.97	825.82	6,055.28	6,048.57	6.71	902.862	
1,100.00	1,093.06	1,246.00	1,245.05	4.09	3.31	-75.67	6,010.76	832.62	6,047.01	6,039.63	7.38	819.708	
1,200.00	1,189.64	1,389.28	1,386.19	4.59	3.88	-75.96	6,004.20	856.30	6,037.87	6,029.43	8.44	715.188	
1,300.00	1,285.27	1,613.88	1,604.39	5.14	4.91	-76.30	5,988.87	907.07	6,026.33	6,016.34	9.99	603.082	
1,400.00	1,379.82	1,890.00	1,868.55	5.74	6.41	-76.68	5,960.88	982.31	6,010.76	5,998.71	12.04	499.098	
1,500.00	1,473.17	1,890.00	1,868.55	6.40	6.41	-77.00	5,960.88	982.31	5,994.54	5,981.84	12.69	472.236	
1,600.00	1,565.21	1,946.15	1,922.04	7.12	6.74	-77.37	5,955.07	998.34	5,978.22	5,964.49	13.72	435.642	
1,614.66	1,578.59	1,950.13	1,925.84	7.23	6.77	-77.42	5,954.70	999.51	5,975.90	5,962.04	13.85	431.330	
1,700.00	1,656.38	1,986.00	1,959.97	7.88	6.98	-77.45	5,951.74	1,010.12	5,962.90	5,948.19	14.71	405.482	
1,800.00	1,747.52	2,026.25	1,998.25	8.67	7.22	-77.49	5,948.75	1,022.18	5,948.56	5,932.84	15.72	378.442	
1,900.00	1,838.67	2,303.38	2,262.09	9.47	8.92	-77.78	5,924.87	1,103.46	5,933.46	5,915.32	18.14	327.017	
2,000.00	1,929.81	2,368.00	2,323.72	10.28	9.32	-77.86	5,918.75	1,121.89	5,917.08	5,897.75	19.33	306.098	
2,100.00	2,020.96	2,416.56	2,370.00	11.10	9.62	-77.91	5,914.47	1,135.94	5,901.33	5,880.89	20.44	288.743	
2,200.00	2,112.10	2,718.08	2,656.28	11.92	11.57	-78.22	5,882.87	1,224.93	5,884.50	5,861.41	23.09	254.880	
2,300.00	2,203.25	2,837.70	2,769.19	12.75	12.38	-78.33	5,867.75	1,261.46	5,865.40	5,840.73	24.67	237.764	
2,400.00	2,294.39	2,888.62	2,817.45	13.59	12.70	-78.38	5,861.26	1,276.31	5,846.32	5,820.50	25.82	226.468	
2,500.00	2,385.54	2,936.00	2,862.78	14.43	13.01	-78.45	5,856.14	1,289.10	5,828.52	5,801.57	26.94	216.319	
2,600.00	2,476.68	3,054.32	2,976.31	15.27	13.73	-78.61	5,843.51	1,319.96	5,811.05	5,782.60	28.46	204.208	
2,700.00	2,567.83	3,126.00	3,045.26	16.11	14.16	-78.72	5,835.85	1,337.97	5,793.45	5,763.74	29.71	195.007	
2,800.00	2,658.97	3,222.00	3,137.90	16.96	14.72	-78.88	5,825.64	1,360.97	5,775.86	5,744.78	31.08	185.851	
2,900.00	2,750.12	3,270.98	3,185.18	17.80	15.01	-78.96	5,820.60	1,372.72	5,758.79	5,726.58	32.21	178.809	
3,000.00	2,841.26	3,703.00	3,591.91	18.65	17.99	-79.37	5,762.49	1,504.23	5,737.57	5,701.85	35.71	160.662	
3,100.00	2,932.41	3,738.65	3,624.69	19.50	18.27	-79.39	5,756.79	1,517.04	5,715.86	5,679.02	36.84	155.136	
3,200.00	3,023.55	3,798.00	3,679.84	20.35	18.72	-79.42	5,748.52	1,537.36	5,695.60	5,657.47	38.14	149.349	
3,300.00	3,114.70	3,798.00	3,679.84	21.21	18.72	-79.42	5,748.52	1,537.36	5,676.00	5,636.97	39.03	145.422	
3,400.00	3,205.84	3,841.09	3,720.22	22.06	19.03	-79.45	5,743.28	1,551.45	5,657.73	5,617.53	40.20	140.756	
3,500.00	3,296.99	3,894.00	3,770.07	22.92	19.41	-79.50	5,737.45	1,568.18	5,640.43	5,599.01	41.42	136.170	
3,600.00	3,388.13	3,894.00	3,770.07	23.77	19.41	-79.50	5,737.45	1,568.18	5,624.30	5,581.99	42.31	132.928	
3,700.00	3,479.28	3,959.87	3,832.55	24.63	19.84	-79.57	5,731.29	1,588.12	5,608.87	5,565.28	43.60	128.657	
3,800.00	3,570.42	3,990.00	3,861.27	25.48	20.05	-79.61	5,728.92	1,596.91	5,594.75	5,550.09	44.66	125.268	
3,900.00	3,661.57	4,051.61	3,920.31	26.34	20.42	-79.69	5,724.71	1,613.99	5,581.53	5,535.64	45.89	121.622	
4,000.00	3,752.71	4,432.23	4,290.09	27.20	22.52	-80.44	5,693.36	1,697.74	5,567.30	5,518.69	48.61	114.524	
4,100.00	3,843.86	4,527.18	4,381.74	28.05	23.07	-80.61	5,682.38	1,719.99	5,549.26	5,499.28	49.98	111.031	
4,200.00	3,935.00	4,628.83	4,480.28	28.91	23.65	-80.81	5,671.59	1,742.47	5,532.13	5,480.75	51.38	107.678	
4,300.00	4,026.15	4,705.78	4,554.34	29.77	24.10	-80.94	5,662.85	1,761.40	5,514.52	5,461.85	52.66	104.715	
4,400.00	4,117.29	4,757.17	4,604.15	30.63	24.40	-81.04	5,657.55	1,772.90	5,497.77	5,443.94	53.83	102.137	
4,500.00	4,208.44	4,894.67	4,736.56	31.49	25.22	-81.28	5,642.85	1,806.86	5,480.73	5,425.30	55.43	98.884	
4,600.00	4,299.58	4,947.00	4,786.83	32.35	25.54	-81.37	5,637.28	1,820.28	5,464.04	5,407.42	56.62	96.509	
4,700.00	4,390.73	4,986.88	4,825.17	33.21	25.79	-81.43	5,633.41	1,830.54	5,448.33	5,390.59	57.74	94.355	
4,800.00	4,481.88	5,042.00	4,878.12	34.07	26.12	-81.52	5,629.03	1,845.23	5,434.02	5,375.07	58.95	92.187	
4,900.00	4,573.02	5,042.00	4,878.12	34.93	26.12	-81.52	5,629.03	1,845.23	5,420.65	5,360.80	59.85	90.570	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HNB - STK 1 - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 604-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,664.17	5,089.09	4,923.49	35.79	26.39	-81.59	5,626.12	1,857.50	5,408.56	5,347.57	60.99	88.678	
5,100.00	4,755.31	5,137.00	4,969.98	36.65	26.67	-81.68	5,623.91	1,868.85	5,397.68	5,335.55	62.13	86.875	
5,200.00	4,846.46	5,255.64	5,085.67	37.51	27.29	-81.94	5,618.78	1,894.59	5,387.31	5,323.72	63.59	84.718	
5,300.00	4,937.60	5,403.93	5,230.41	38.37	28.06	-82.26	5,610.99	1,925.93	5,376.03	5,310.85	65.18	82.482	
5,400.00	5,028.75	5,470.44	5,295.44	39.23	28.40	-82.41	5,607.31	1,939.36	5,364.58	5,298.21	66.37	80.824	
5,500.00	5,119.89	5,535.69	5,359.41	40.09	28.72	-82.57	5,604.24	1,951.86	5,353.92	5,286.37	67.56	79.251	
5,600.00	5,211.04	5,671.87	5,492.95	40.96	29.39	-82.90	5,597.83	1,977.77	5,343.47	5,274.43	69.05	77.390	
5,700.00	5,302.18	5,733.40	5,553.28	41.82	29.69	-83.05	5,594.55	1,989.40	5,332.59	5,262.38	70.21	75.955	
5,800.00	5,393.33	5,757.00	5,576.49	42.68	29.80	-83.12	5,593.59	1,993.57	5,322.99	5,251.80	71.20	74.766	
5,900.00	5,484.47	5,828.00	5,646.57	43.54	30.11	-83.31	5,591.41	2,004.71	5,314.38	5,242.02	72.36	73.443	
6,000.00	5,575.62	5,852.00	5,670.33	44.40	30.21	-83.39	5,590.86	2,008.04	5,306.80	5,233.48	73.32	72.379	
6,100.00	5,666.76	5,872.25	5,690.39	45.26	30.29	-83.45	5,590.66	2,010.77	5,300.68	5,226.43	74.25	71.391	
6,175.79	5,735.84	5,900.00	5,717.90	45.92	30.39	-83.53	5,591.06	2,014.41	5,297.28	5,222.29	74.99	70.635	
6,200.00	5,757.87	5,900.00	5,717.90	46.13	30.39	-78.31	5,591.06	2,014.41	5,295.77	5,220.57	75.19	70.428	
6,250.00	5,803.02	5,900.00	5,717.90	46.56	30.39	-68.35	5,591.06	2,014.41	5,289.76	5,214.16	75.60	69.972	
6,300.00	5,847.42	5,900.00	5,717.90	46.99	30.39	-59.80	5,591.06	2,014.41	5,279.92	5,203.93	75.99	69.482	
6,350.00	5,890.72	5,900.00	5,717.90	47.41	30.39	-52.75	5,591.06	2,014.41	5,266.28	5,189.92	76.36	68.964	
6,400.00	5,932.60	5,900.00	5,717.90	47.83	30.39	-47.06	5,591.06	2,014.41	5,248.93	5,172.21	76.72	68.421	
6,450.00	5,972.74	5,900.00	5,717.90	48.23	30.39	-42.50	5,591.06	2,014.41	5,227.95	5,150.91	77.05	67.855	
6,500.00	6,010.83	5,900.00	5,717.90	48.61	30.39	-38.87	5,591.06	2,014.41	5,203.48	5,126.12	77.35	67.269	
6,550.00	6,046.58	5,900.00	5,717.90	48.98	30.39	-35.97	5,591.06	2,014.41	5,175.63	5,098.00	77.64	66.665	
6,600.00	6,079.73	5,923.83	5,741.48	49.33	30.48	-33.78	5,592.28	2,017.59	5,143.98	5,065.96	78.01	65.938	
6,650.00	6,110.01	5,948.00	5,765.29	49.67	30.56	-32.11	5,594.67	2,021.03	5,110.20	5,031.83	78.37	65.208	
6,700.00	6,137.21	5,948.00	5,765.29	49.98	30.56	-30.76	5,594.67	2,021.03	5,073.00	4,994.42	78.58	64.560	
6,750.00	6,161.10	5,948.00	5,765.29	50.28	30.56	-29.79	5,594.67	2,021.03	5,033.23	4,954.46	78.76	63.904	
6,800.00	6,181.52	5,948.00	5,765.29	50.55	30.56	-29.19	5,594.67	2,021.03	4,991.12	4,912.20	78.92	63.241	
6,850.00	6,198.29	5,948.00	5,765.29	50.81	30.56	-28.99	5,594.67	2,021.03	4,946.94	4,867.89	79.06	62.575	
6,900.00	6,211.31	5,948.00	5,765.29	51.05	30.56	-29.26	5,594.67	2,021.03	4,900.98	4,821.82	79.17	61.906	
6,950.00	6,220.46	5,948.00	5,765.29	51.27	30.56	-30.24	5,594.67	2,021.03	4,853.55	4,774.29	79.26	61.238	
7,000.00	6,225.68	5,948.00	5,765.29	51.47	30.56	-32.63	5,594.67	2,021.03	4,804.96	4,725.64	79.32	60.574	
7,040.67	6,227.00	5,948.00	5,765.29	51.63	30.56	-37.32	5,594.67	2,021.03	4,764.82	4,685.46	79.36	60.037	
7,100.00	6,227.00	5,948.00	5,765.29	51.85	30.56	-37.32	5,594.67	2,021.03	4,705.97	4,626.56	79.41	59.259	
7,200.00	6,227.00	5,948.00	5,765.29	52.25	30.56	-37.32	5,594.67	2,021.03	4,606.81	4,527.31	79.50	57.949	
7,300.00	6,227.00	5,948.00	5,765.29	52.70	30.56	-37.32	5,594.67	2,021.03	4,507.68	4,428.09	79.59	56.639	
7,400.00	6,227.00	5,948.00	5,765.29	53.18	30.56	-37.32	5,594.67	2,021.03	4,408.59	4,328.91	79.68	55.330	
7,500.00	6,227.00	5,948.00	5,765.29	53.71	30.56	-37.32	5,594.67	2,021.03	4,309.55	4,229.77	79.77	54.022	
7,600.00	6,227.00	5,948.00	5,765.29	54.28	30.56	-37.32	5,594.67	2,021.03	4,210.55	4,130.67	79.87	52.714	
7,700.00	6,227.00	5,948.00	5,765.29	54.89	30.56	-37.32	5,594.67	2,021.03	4,111.59	4,031.61	79.98	51.408	
7,800.00	6,227.00	5,948.00	5,765.29	55.55	30.56	-37.32	5,594.67	2,021.03	4,012.69	3,932.60	80.09	50.102	
7,900.00	6,227.00	5,948.00	5,765.29	56.25	30.56	-37.32	5,594.67	2,021.03	3,913.85	3,833.64	80.20	48.798	
8,000.00	6,227.00	5,948.00	5,765.29	56.99	30.56	-37.32	5,594.67	2,021.03	3,815.06	3,734.74	80.33	47.495	
8,100.00	6,227.00	5,948.00	5,765.29	57.78	30.56	-37.32	5,594.67	2,021.03	3,716.35	3,635.89	80.45	46.193	
8,200.00	6,227.00	5,948.00	5,765.29	58.62	30.56	-37.32	5,594.67	2,021.03	3,617.70	3,537.11	80.59	44.893	
8,300.00	6,227.00	5,948.00	5,765.29	59.49	30.56	-37.32	5,594.67	2,021.03	3,519.12	3,438.40	80.73	43.594	
8,400.00	6,227.00	5,948.00	5,765.29	60.41	30.56	-37.32	5,594.67	2,021.03	3,420.63	3,339.76	80.87	42.297	
8,500.00	6,227.00	5,948.00	5,765.29	61.37	30.56	-37.32	5,594.67	2,021.03	3,322.23	3,241.21	81.03	41.002	
8,600.00	6,227.00	5,948.00	5,765.29	62.37	30.56	-37.32	5,594.67	2,021.03	3,223.93	3,142.74	81.19	39.708	
8,700.00	6,227.00	5,948.00	5,765.29	63.41	30.56	-37.32	5,594.67	2,021.03	3,125.74	3,044.38	81.36	38.418	
8,800.00	6,227.00	5,948.00	5,765.29	64.49	30.56	-37.32	5,594.67	2,021.03	3,027.66	2,946.12	81.54	37.129	
8,900.00	6,227.00	5,969.93	5,786.71	65.60	30.64	-38.34	5,597.90	2,024.41	2,929.09	2,847.22	81.88	35.774	
9,000.00	6,227.00	5,972.29	5,789.00	66.74	30.64	-38.45	5,598.31	2,024.79	2,831.15	2,749.05	82.10	34.485	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HNB - STK 1 - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 604-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	5,974.80	5,791.44	67.92	30.65	-38.57	5,598.77	2,025.20	2,733.34	2,651.00	82.33	33.198		
9,200.00	6,227.00	5,996.00	5,811.85	69.13	30.72	-39.58	5,603.18	2,028.82	2,636.12	2,553.42	82.70	31.874		
9,300.00	6,227.00	5,996.00	5,811.85	70.37	30.72	-39.58	5,603.18	2,028.82	2,538.49	2,455.53	82.96	30.600		
9,400.00	6,227.00	5,996.00	5,811.85	71.63	30.72	-39.58	5,603.18	2,028.82	2,441.04	2,357.82	83.22	29.331		
9,500.00	6,227.00	5,996.00	5,811.85	72.92	30.72	-39.58	5,603.18	2,028.82	2,343.82	2,260.31	83.51	28.066		
9,600.00	6,227.00	5,996.00	5,811.85	74.23	30.72	-39.58	5,603.18	2,028.82	2,246.84	2,163.02	83.82	26.806		
9,700.00	6,227.00	5,996.00	5,811.85	75.57	30.72	-39.58	5,603.18	2,028.82	2,150.13	2,065.98	84.15	25.552		
9,800.00	6,227.00	5,996.00	5,811.85	76.93	30.72	-39.58	5,603.18	2,028.82	2,053.74	1,969.24	84.50	24.305		
9,900.00	6,227.00	5,996.00	5,811.85	78.31	30.72	-39.58	5,603.18	2,028.82	1,957.71	1,872.83	84.88	23.065		
10,000.00	6,227.00	5,996.00	5,811.85	79.71	30.72	-39.58	5,603.18	2,028.82	1,862.10	1,776.81	85.29	21.834		
10,100.00	6,227.00	6,017.55	5,832.33	81.12	30.79	-40.64	5,608.58	2,032.82	1,766.47	1,680.55	85.92	20.559		
10,200.00	6,227.00	6,024.96	5,839.30	82.55	30.82	-41.01	5,610.61	2,034.28	1,671.50	1,585.02	86.48	19.328		
10,300.00	6,227.00	6,044.00	5,857.06	84.00	30.88	-41.98	5,616.26	2,038.20	1,577.15	1,489.96	87.19	18.089		
10,400.00	6,227.00	6,044.00	5,857.06	85.46	30.88	-41.98	5,616.26	2,038.20	1,483.09	1,395.30	87.79	16.894		
10,500.00	6,227.00	6,044.00	5,857.06	86.94	30.88	-41.98	5,616.26	2,038.20	1,389.85	1,301.42	88.43	15.717		
10,600.00	6,227.00	6,044.00	5,857.06	88.43	30.88	-41.98	5,616.26	2,038.20	1,297.63	1,208.50	89.13	14.558		
10,700.00	6,227.00	6,070.69	5,881.55	89.93	30.95	-43.39	5,625.24	2,043.82	1,205.68	1,115.43	90.25	13.359		
10,800.00	6,227.00	6,092.00	5,900.77	91.44	31.02	-44.59	5,633.33	2,048.21	1,115.29	1,023.86	91.42	12.199		
10,900.00	6,227.00	6,092.00	5,900.77	92.96	31.02	-44.59	5,633.33	2,048.21	1,025.95	933.54	92.41	11.102		
11,000.00	6,227.00	6,112.79	5,919.30	94.50	31.06	-45.85	5,641.87	2,052.22	938.22	844.35	93.86	9.996		
11,100.00	6,227.00	6,140.00	5,943.32	96.04	31.13	-47.68	5,653.81	2,056.74	852.43	756.75	95.69	8.909		
11,200.00	6,227.00	6,140.00	5,943.32	97.59	31.13	-47.68	5,653.81	2,056.74	768.92	671.87	97.05	7.923		
11,300.00	6,227.00	6,166.26	5,966.10	99.15	31.16	-49.64	5,666.39	2,060.21	688.46	589.11	99.35	6.930		
11,400.00	6,227.00	6,188.00	5,984.50	100.72	31.19	-51.40	5,677.76	2,062.34	612.42	510.62	101.79	6.016		
11,500.00	6,227.00	6,211.07	6,003.58	102.30	31.20	-53.40	5,690.64	2,063.82	541.94	437.42	104.52	5.185		
11,600.00	6,227.00	6,236.00	6,023.71	103.88	31.22	-55.74	5,705.33	2,064.49	478.88	371.40	107.47	4.456		
11,700.00	6,227.00	6,273.22	6,052.20	105.47	31.21	-59.35	5,729.26	2,064.64	425.57	314.26	111.31	3.823		
11,743.45	6,227.00	6,284.00	6,060.00	106.17	31.21	-60.40	5,736.70	2,064.64	406.15	293.82	112.33	3.616		
11,808.25	6,227.00	6,331.00	6,091.95	107.20	31.20	-64.63	5,771.15	2,064.61	380.64	263.99	116.64	3.263		
11,900.00	6,227.00	6,382.73	6,124.37	108.66	31.16	-69.56	5,811.46	2,064.37	351.96	231.26	120.69	2.916		
12,000.00	6,227.00	6,458.98	6,170.76	110.26	31.11	-77.21	5,871.95	2,063.80	330.48	204.42	126.06	2.622		
12,100.00	6,227.00	6,532.39	6,214.07	111.86	31.06	-84.82	5,931.20	2,062.20	320.61	191.61	129.00	2.485		
12,125.31	6,227.00	6,548.98	6,223.60	112.27	31.05	-86.53	5,944.77	2,061.56	320.14	191.06	129.09	2.480 CC		
12,200.00	6,227.00	6,601.11	6,252.59	113.47	31.01	-91.70	5,987.96	2,058.32	323.95	195.28	128.68	2.518		
12,300.00	6,227.00	6,683.92	6,293.17	115.08	30.92	-98.66	6,059.67	2,050.29	338.55	210.58	127.97	2.646		
12,400.00	6,227.00	6,818.85	6,336.93	116.70	30.78	-105.46	6,186.47	2,038.67	353.82	221.19	132.63	2.668		
12,500.00	6,227.00	6,949.35	6,348.09	118.33	30.71	-107.19	6,316.17	2,036.89	355.66	218.31	137.35	2.589		
12,600.00	6,227.00	7,047.32	6,348.00	119.96	30.71	-107.11	6,414.11	2,034.47	356.86	217.41	139.45	2.559		
12,700.00	6,227.00	7,141.68	6,347.63	121.60	30.77	-106.95	6,508.41	2,031.07	359.04	217.77	141.27	2.541		
12,800.00	6,227.00	7,250.06	6,347.81	123.24	30.97	-106.89	6,616.73	2,027.88	360.75	216.13	144.62	2.494		
12,900.00	6,227.00	7,340.52	6,348.15	124.88	31.28	-106.86	6,707.14	2,024.95	362.80	216.67	146.13	2.483		
13,000.00	6,227.00	7,445.65	6,348.19	126.53	31.81	-106.74	6,812.20	2,021.03	365.23	215.87	149.36	2.445		
13,100.00	6,227.00	7,543.28	6,349.13	128.18	32.50	-106.79	6,909.77	2,017.85	367.48	215.73	151.75	2.422		
13,200.00	6,227.00	7,643.04	6,349.79	129.84	33.36	-106.78	7,009.47	2,014.27	369.95	215.48	154.47	2.395		
13,300.00	6,227.00	7,741.02	6,348.57	131.50	34.34	-106.45	7,107.33	2,009.75	372.87	215.73	157.15	2.373		
13,400.00	6,227.00	7,841.76	6,347.86	133.16	35.43	-106.21	7,207.96	2,005.18	375.87	215.69	160.18	2.347		
13,500.00	6,227.00	7,941.87	6,348.91	134.83	36.61	-106.25	7,307.99	2,001.32	378.72	215.64	163.09	2.322		
13,600.00	6,227.00	8,044.44	6,349.69	136.50	37.88	-106.24	7,410.49	1,997.34	381.52	215.17	166.35	2.293		
13,700.00	6,227.00	8,147.71	6,351.68	138.17	39.21	-106.49	7,513.71	1,995.16	382.93	213.30	169.62	2.258		
13,800.00	6,227.00	8,245.89	6,352.45	139.85	40.52	-106.54	7,611.85	1,992.59	384.51	212.11	172.40	2.230		
13,900.00	6,227.00	8,347.66	6,351.23	141.53	41.92	-106.27	7,713.55	1,989.14	386.27	210.50	175.77	2.198		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HNB - STK 1 - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 604-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,000.00	6,227.00	8,445.99	6,350.15	143.21	43.30	-106.05	7,811.84	1,986.38	387.52	208.78	178.74	2.168	
14,100.00	6,227.00	8,541.74	6,351.13	144.89	44.67	-106.11	7,907.52	1,983.14	389.90	208.62	181.28	2.151	
14,200.00	6,227.00	8,641.76	6,350.97	146.58	46.12	-105.96	8,007.44	1,978.75	392.92	208.44	184.48	2.130	
14,300.00	6,227.00	8,748.12	6,352.13	148.26	47.70	-106.03	8,113.75	1,975.38	395.13	206.74	188.39	2.097	
14,400.00	6,227.00	8,857.34	6,353.00	149.96	49.34	-106.16	8,222.95	1,974.23	395.21	202.64	192.57	2.052	
14,500.00	6,227.00	8,954.26	6,352.08	151.65	50.81	-106.06	8,319.87	1,973.66	394.37	198.92	195.45	2.018	
14,600.00	6,227.00	9,055.56	6,352.00	153.34	52.37	-106.06	8,421.16	1,972.88	393.93	195.14	198.79	1.982	
14,663.79	6,227.00	9,116.78	6,352.78	154.43	53.32	-106.19	8,482.37	1,972.59	393.71	193.25	200.46	1.964	
14,700.00	6,227.00	9,153.00	6,352.96	155.04	53.88	-106.21	8,518.59	1,972.13	393.79	192.17	201.61	1.953	
14,704.45	6,227.00	9,155.87	6,352.96	155.12	53.92	-106.21	8,521.46	1,972.08	393.80	192.24	201.56	1.954	
14,800.00	6,227.00	9,252.57	6,352.22	156.74	55.44	-106.09	8,618.14	1,970.47	394.03	189.18	204.85	1.924	
14,900.00	6,227.00	9,351.72	6,350.28	158.44	57.00	-105.79	8,717.25	1,968.45	394.30	186.16	208.14	1.894	
15,000.00	6,227.00	9,455.32	6,348.62	160.14	58.65	-105.55	8,820.82	1,966.99	394.07	182.11	211.95	1.859	
15,100.00	6,227.00	9,554.19	6,348.68	161.85	60.22	-105.57	8,919.69	1,966.24	393.66	178.60	215.06	1.830	
15,200.00	6,227.00	9,653.37	6,348.92	163.56	61.82	-105.62	9,018.87	1,965.37	393.41	175.21	218.21	1.803	
15,213.39	6,227.00	9,666.43	6,348.91	163.78	62.03	-105.62	9,031.92	1,965.21	393.41	174.80	218.61	1.800	
15,300.00	6,227.00	9,748.49	6,349.31	165.26	63.35	-105.67	9,113.97	1,964.04	393.73	172.88	220.85	1.783	
15,400.00	6,227.00	9,837.85	6,350.25	166.97	64.80	-105.71	9,203.27	1,960.81	396.32	173.65	222.67	1.780	
15,500.00	6,227.00	9,933.75	6,350.99	168.68	66.37	-105.64	9,299.00	1,955.28	400.93	175.49	225.44	1.778	
15,600.00	6,227.00	10,038.42	6,352.17	170.40	68.09	-105.66	9,403.54	1,950.11	404.81	175.39	229.42	1.765	
15,700.00	6,227.00	10,135.11	6,353.31	172.11	69.68	-105.66	9,500.08	1,944.94	409.11	176.83	232.28	1.761	
15,800.00	6,227.00	10,240.21	6,352.73	173.83	71.42	-105.41	9,605.02	1,939.25	413.04	176.56	236.48	1.747	
15,900.00	6,227.00	10,340.96	6,350.24	175.54	73.09	-104.96	9,705.63	1,934.57	415.72	175.52	240.20	1.731	
16,000.00	6,227.00	10,436.88	6,349.59	177.26	74.69	-104.73	9,801.41	1,929.54	419.45	176.32	243.13	1.725	
16,100.00	6,227.00	10,540.51	6,349.06	178.98	76.43	-104.52	9,904.90	1,924.13	423.22	176.10	247.12	1.713	
16,200.00	6,227.00	10,640.96	6,348.22	180.70	78.11	-104.31	10,005.26	1,919.91	425.92	175.24	250.68	1.699	
16,300.00	6,227.00	10,744.67	6,347.59	182.42	79.86	-104.12	10,108.87	1,915.28	428.95	174.30	254.65	1.684	
16,400.00	6,227.00	10,842.98	6,348.05	184.15	81.51	-104.12	10,207.13	1,912.33	430.82	173.01	257.80	1.671	
16,500.00	6,227.00	10,966.17	6,347.39	185.87	83.59	-104.01	10,330.27	1,910.19	431.35	167.46	263.89	1.635	
16,546.12	6,227.00	11,000.00	6,346.68	186.67	84.16	-103.95	10,364.09	1,910.60	430.21	166.05	264.16	1.629 ES, SF	
16,600.00	6,227.00	11,000.00	6,346.68	187.60	84.16	-103.95	10,364.09	1,910.60	433.57	175.69	257.87	1.681	
16,700.00	6,227.00	11,000.00	6,346.68	189.32	84.16	-103.95	10,364.09	1,910.60	456.90	218.82	238.08	1.919	
16,800.00	6,227.00	11,000.00	6,346.68	191.05	84.16	-103.95	10,364.09	1,910.60	499.53	286.75	212.78	2.348	
16,900.00	6,227.00	11,000.00	6,346.68	192.78	84.16	-103.95	10,364.09	1,910.60	557.06	369.69	187.37	2.973	
17,000.00	6,227.00	11,000.00	6,346.68	194.51	84.16	-103.95	10,364.09	1,910.60	625.37	460.57	164.80	3.795	
17,100.00	6,227.00	11,000.00	6,346.68	196.24	84.16	-103.95	10,364.09	1,910.60	701.33	555.37	145.97	4.805	
17,200.00	6,227.00	11,000.00	6,346.68	197.97	84.16	-103.95	10,364.09	1,910.60	782.71	652.00	130.72	5.988	
17,300.00	6,227.00	11,000.00	6,346.68	199.70	84.16	-103.95	10,364.09	1,910.60	868.00	749.46	118.54	7.323	
17,400.00	6,227.00	11,000.00	6,346.68	201.44	84.16	-103.95	10,364.09	1,910.60	956.14	847.28	108.86	8.783	
17,500.00	6,227.00	11,000.00	6,346.68	203.17	84.16	-103.95	10,364.09	1,910.60	1,046.41	945.23	101.18	10.342	
17,600.00	6,227.00	11,000.00	6,346.68	204.90	84.16	-103.95	10,364.09	1,910.60	1,138.31	1,043.22	95.09	11.971	
17,700.00	6,227.00	11,000.00	6,346.68	206.64	84.16	-103.95	10,364.09	1,910.60	1,231.47	1,141.22	90.26	13.644	
17,800.00	6,227.00	11,000.00	6,346.68	208.38	84.16	-103.95	10,364.09	1,910.60	1,325.63	1,239.22	86.41	15.341	
17,900.00	6,227.00	11,000.00	6,346.68	210.11	84.16	-103.95	10,364.09	1,910.60	1,420.59	1,337.23	83.36	17.042	
18,000.00	6,227.00	11,000.00	6,346.68	211.85	84.16	-103.95	10,364.09	1,910.60	1,516.20	1,435.27	80.93	18.735	
18,100.00	6,227.00	11,000.00	6,346.68	213.59	84.16	-103.95	10,364.09	1,910.60	1,612.34	1,533.34	79.00	20.409	
18,200.00	6,227.00	11,000.00	6,346.68	215.33	84.16	-103.95	10,364.09	1,910.60	1,708.92	1,631.45	77.47	22.059	
18,300.00	6,227.00	11,000.00	6,346.68	217.07	84.16	-103.95	10,364.09	1,910.60	1,805.88	1,729.61	76.26	23.680	
18,400.00	6,227.00	11,000.00	6,346.68	218.81	84.16	-103.95	10,364.09	1,910.60	1,903.15	1,827.83	75.31	25.270	
18,500.00	6,227.00	11,000.00	6,346.68	220.55	84.16	-103.95	10,364.09	1,910.60	2,000.69	1,926.12	74.57	26.830	
18,600.00	6,227.00	11,000.00	6,346.68	222.29	84.16	-103.95	10,364.09	1,910.60	2,098.46	2,024.46	73.99	28.360	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HNB - STK 1 - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 604-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,700.00	6,227.00	11,000.00	6,346.68	224.03	84.16	-103.95	10,364.09	1,910.60	2,196.43	2,122.87	73.56	29.860	
18,800.00	6,227.00	11,000.00	6,346.68	225.78	84.16	-103.95	10,364.09	1,910.60	2,294.57	2,221.34	73.23	31.334	
18,900.00	6,227.00	11,000.00	6,346.68	227.52	84.16	-103.95	10,364.09	1,910.60	2,392.87	2,319.88	72.99	32.782	
19,000.00	6,227.00	11,000.00	6,346.68	229.26	84.16	-103.95	10,364.09	1,910.60	2,491.31	2,418.48	72.83	34.206	
19,100.00	6,227.00	11,000.00	6,346.68	231.01	84.16	-103.95	10,364.09	1,910.60	2,589.87	2,517.13	72.73	35.609	
19,200.00	6,227.00	11,000.00	6,346.68	232.75	84.16	-103.95	10,364.09	1,910.60	2,688.53	2,615.85	72.68	36.992	
19,300.00	6,227.00	11,000.00	6,346.68	234.50	84.16	-103.95	10,364.09	1,910.60	2,787.28	2,714.62	72.67	38.357	
19,400.00	6,227.00	11,000.00	6,346.68	236.25	84.16	-103.95	10,364.09	1,910.60	2,886.13	2,813.44	72.69	39.705	
19,500.00	6,227.00	11,000.00	6,346.68	237.99	84.16	-103.95	10,364.09	1,910.60	2,985.05	2,912.31	72.74	41.038	
19,600.00	6,227.00	11,000.00	6,346.68	239.74	84.16	-103.95	10,364.09	1,910.60	3,084.04	3,011.23	72.81	42.357	
19,700.00	6,227.00	11,000.00	6,346.68	241.49	84.16	-103.95	10,364.09	1,910.60	3,183.09	3,110.19	72.90	43.663	
19,800.00	6,227.00	11,000.00	6,346.68	243.24	84.16	-103.95	10,364.09	1,910.60	3,282.20	3,209.19	73.01	44.957	
19,900.00	6,227.00	11,000.00	6,346.68	244.98	84.16	-103.95	10,364.09	1,910.60	3,381.36	3,308.24	73.13	46.241	
20,000.00	6,227.00	11,000.00	6,346.68	246.73	84.16	-103.95	10,364.09	1,910.60	3,480.57	3,407.32	73.25	47.514	
20,100.00	6,227.00	11,000.00	6,346.68	248.48	84.16	-103.95	10,364.09	1,910.60	3,579.83	3,506.44	73.39	48.779	
20,200.00	6,227.00	11,000.00	6,346.68	250.23	84.16	-103.95	10,364.09	1,910.60	3,679.12	3,605.59	73.53	50.034	
20,300.00	6,227.00	11,000.00	6,346.68	251.98	84.16	-103.95	10,364.09	1,910.60	3,778.46	3,704.77	73.68	51.282	
20,400.00	6,227.00	11,000.00	6,346.68	253.73	84.16	-103.95	10,364.09	1,910.60	3,877.82	3,803.99	73.83	52.522	
20,500.00	6,227.00	11,000.00	6,346.68	255.49	84.16	-103.95	10,364.09	1,910.60	3,977.22	3,903.23	73.99	53.755	
20,600.00	6,227.00	11,000.00	6,346.68	257.24	84.16	-103.95	10,364.09	1,910.60	4,076.65	4,002.50	74.15	54.982	
20,700.00	6,227.00	11,000.00	6,346.68	258.99	84.16	-103.95	10,364.09	1,910.60	4,176.10	4,101.80	74.31	56.202	
20,800.00	6,227.00	11,000.00	6,346.68	260.74	84.16	-103.95	10,364.09	1,910.60	4,275.58	4,201.12	74.47	57.416	
20,900.00	6,227.00	11,000.00	6,346.68	262.49	84.16	-103.95	10,364.09	1,910.60	4,375.09	4,300.46	74.63	58.625	
21,000.00	6,227.00	11,000.00	6,346.68	264.25	84.16	-103.95	10,364.09	1,910.60	4,474.61	4,399.82	74.79	59.829	
21,100.00	6,227.00	11,000.00	6,346.68	266.00	84.16	-103.95	10,364.09	1,910.60	4,574.16	4,499.21	74.95	61.028	
21,200.00	6,227.00	11,000.00	6,346.68	267.75	84.16	-103.95	10,364.09	1,910.60	4,673.73	4,598.61	75.11	62.222	
21,300.00	6,227.00	11,000.00	6,346.68	269.51	84.16	-103.95	10,364.09	1,910.60	4,773.31	4,698.03	75.28	63.411	
21,400.00	6,227.00	11,000.00	6,346.68	271.26	84.16	-103.95	10,364.09	1,910.60	4,872.91	4,797.48	75.44	64.596	
21,500.00	6,227.00	11,000.00	6,346.68	273.02	84.16	-103.95	10,364.09	1,910.60	4,972.53	4,896.93	75.60	65.777	
21,600.00	6,227.00	11,000.00	6,346.68	274.77	84.16	-103.95	10,364.09	1,910.60	5,072.16	4,996.41	75.76	66.954	
21,700.00	6,227.00	11,000.00	6,346.68	276.53	84.16	-103.95	10,364.09	1,910.60	5,171.81	5,095.89	75.91	68.126	
21,800.00	6,227.00	11,000.00	6,346.68	278.28	84.16	-103.95	10,364.09	1,910.60	5,271.47	5,195.40	76.07	69.295	
21,900.00	6,227.00	11,000.00	6,346.68	280.04	84.16	-103.95	10,364.09	1,910.60	5,371.14	5,294.91	76.23	70.461	
22,000.00	6,227.00	11,000.00	6,346.68	281.80	84.16	-103.95	10,364.09	1,910.60	5,470.83	5,394.44	76.38	71.622	
22,085.16	6,227.00	11,000.00	6,346.68	283.29	84.16	-103.95	10,364.09	1,910.60	5,555.72	5,479.21	76.52	72.609	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												SEC 36-T5N-R63W - ABND VERT 70 RANCH USX BB 25-07P - OWB - Design #1		Offset Site Error: 0.00 usft	
Survey Program: 0-INC														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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.00	0.00	30.00	30.00	0.00	0.34	38.24	3,515.74	2,771.05	4,476.51						
100.00	100.00	130.00	130.00	0.27	1.81	38.24	3,515.74	2,771.05	4,476.51	4,474.43	2.08	2,152.690			
200.00	200.00	230.00	230.00	0.63	4.05	38.24	3,515.74	2,771.05	4,476.51	4,471.84	4.68	957.086			
300.00	300.00	330.00	330.00	0.99	6.12	38.24	3,515.74	2,771.05	4,476.51	4,469.41	7.10	630.122			
400.00	400.00	430.00	430.00	1.34	8.16	38.24	3,515.74	2,771.05	4,476.51	4,467.01	9.50	471.154			
500.00	499.98	529.98	529.98	1.70	10.18	-43.83	3,515.74	2,771.05	4,475.25	4,463.37	11.88	376.697			
600.00	599.84	629.84	629.84	2.05	12.20	-43.93	3,515.74	2,771.05	4,471.48	4,457.23	14.25	313.748			
700.00	699.45	729.45	729.45	2.41	14.21	-44.10	3,515.74	2,771.05	4,465.20	4,448.58	16.62	268.604			
800.00	798.70	828.70	828.70	2.79	16.22	-44.33	3,515.74	2,771.05	4,456.43	4,437.44	19.00	234.593			
900.00	897.47	927.47	927.47	3.19	18.21	-44.63	3,515.74	2,771.05	4,445.20	4,423.83	21.37	208.001			
1,000.00	995.62	1,025.62	1,025.62	3.62	20.18	-45.00	3,515.74	2,771.05	4,431.54	4,407.79	23.75	186.599			
1,100.00	1,093.06	1,123.06	1,123.06	4.09	22.15	-45.43	3,515.74	2,771.05	4,415.49	4,389.36	26.13	168.970			
1,200.00	1,189.64	1,219.64	1,219.64	4.59	24.09	-45.93	3,515.74	2,771.05	4,397.09	4,368.57	28.52	154.169			
1,300.00	1,285.27	1,315.27	1,315.27	5.14	26.01	-46.51	3,515.74	2,771.05	4,376.39	4,345.47	30.92	141.543			
1,400.00	1,379.82	1,409.82	1,409.82	5.74	27.92	-47.16	3,515.74	2,771.05	4,353.46	4,320.13	33.33	130.625			
1,500.00	1,473.17	1,503.17	1,503.17	6.40	29.80	-47.87	3,515.74	2,771.05	4,328.36	4,292.61	35.75	121.074			
1,600.00	1,565.21	1,595.21	1,595.21	7.12	31.65	-48.67	3,515.74	2,771.05	4,301.17	4,262.99	38.19	112.635			
1,614.66	1,578.59	1,608.59	1,608.59	7.23	31.92	-48.79	3,515.74	2,771.05	4,297.02	4,258.47	38.55	111.473			
1,700.00	1,656.38	1,686.38	1,686.38	7.88	33.48	-49.13	3,515.74	2,771.05	4,272.77	4,232.13	40.64	105.135			
1,800.00	1,747.52	1,777.52	1,777.52	8.67	35.32	-49.52	3,515.74	2,771.05	4,244.54	4,201.43	43.11	98.454			
1,900.00	1,838.67	1,868.67	1,868.67	9.47	37.15	-49.93	3,515.74	2,771.05	4,216.53	4,170.93	45.60	92.467			
2,000.00	1,929.81	1,959.81	1,959.81	10.28	38.98	-50.34	3,515.74	2,771.05	4,188.74	4,140.64	48.10	87.077			
2,100.00	2,020.96	2,050.96	2,050.96	11.10	40.82	-50.75	3,515.74	2,771.05	4,161.17	4,110.55	50.62	82.203			
2,200.00	2,112.10	2,142.10	2,142.10	11.92	42.65	-51.17	3,515.74	2,771.05	4,133.82	4,080.67	53.15	77.777			
2,300.00	2,203.25	2,233.25	2,233.25	12.75	44.49	-51.59	3,515.74	2,771.05	4,106.70	4,051.01	55.69	73.743			
2,400.00	2,294.39	2,324.39	2,324.39	13.59	46.32	-52.02	3,515.74	2,771.05	4,079.82	4,021.58	58.24	70.053			
2,500.00	2,385.54	2,415.54	2,415.54	14.43	48.15	-52.45	3,515.74	2,771.05	4,053.18	3,992.38	60.80	66.666			
2,600.00	2,476.68	2,506.68	2,506.68	15.27	49.99	-52.89	3,515.74	2,771.05	4,026.78	3,963.41	63.37	63.546			
2,700.00	2,567.83	2,597.83	2,597.83	16.11	51.82	-53.34	3,515.74	2,771.05	4,000.63	3,934.68	65.94	60.666			
2,800.00	2,658.97	2,688.97	2,688.97	16.96	53.65	-53.78	3,515.74	2,771.05	3,974.73	3,906.20	68.53	57.999			
2,900.00	2,750.12	2,780.12	2,780.12	17.80	55.49	-54.24	3,515.74	2,771.05	3,949.09	3,877.97	71.13	55.523			
3,000.00	2,841.26	2,871.26	2,871.26	18.65	57.32	-54.70	3,515.74	2,771.05	3,923.72	3,849.99	73.73	53.219			
3,100.00	2,932.41	2,962.41	2,962.41	19.50	59.15	-55.16	3,515.74	2,771.05	3,898.61	3,822.28	76.34	51.071			
3,200.00	3,023.55	3,053.55	3,053.55	20.35	60.99	-55.63	3,515.74	2,771.05	3,873.78	3,794.83	78.96	49.063			
3,300.00	3,114.70	3,144.70	3,144.70	21.21	62.82	-56.11	3,515.74	2,771.05	3,849.23	3,767.65	81.58	47.183			
3,400.00	3,205.84	3,235.84	3,235.84	22.06	64.65	-56.59	3,515.74	2,771.05	3,824.96	3,740.75	84.21	45.420			
3,500.00	3,296.99	3,326.99	3,326.99	22.92	66.48	-57.07	3,515.74	2,771.05	3,800.99	3,714.14	86.85	43.763			
3,600.00	3,388.13	3,418.13	3,418.13	23.77	68.32	-57.56	3,515.74	2,771.05	3,777.31	3,687.81	89.50	42.204			
3,700.00	3,479.28	3,509.28	3,509.28	24.63	70.15	-58.06	3,515.74	2,771.05	3,753.93	3,661.78	92.15	40.735			
3,800.00	3,570.42	3,600.42	3,600.42	25.48	71.98	-58.56	3,515.74	2,771.05	3,730.86	3,636.04	94.82	39.348			
3,900.00	3,661.57	3,691.57	3,691.57	26.34	73.82	-59.07	3,515.74	2,771.05	3,708.10	3,610.62	97.48	38.038			
4,000.00	3,752.71	3,782.71	3,782.71	27.20	75.65	-59.58	3,515.74	2,771.05	3,685.66	3,585.50	100.16	36.798			
4,100.00	3,843.86	3,873.86	3,873.86	28.05	77.48	-60.10	3,515.74	2,771.05	3,663.55	3,560.71	102.84	35.624			
4,200.00	3,935.00	3,965.00	3,965.00	28.91	79.32	-60.63	3,515.74	2,771.05	3,641.76	3,536.23	105.53	34.510			
4,300.00	4,026.15	4,056.15	4,056.15	29.77	81.15	-61.15	3,515.74	2,771.05	3,620.31	3,512.09	108.22	33.452			
4,400.00	4,117.29	4,147.29	4,147.29	30.63	82.98	-61.69	3,515.74	2,771.05	3,599.21	3,488.28	110.92	32.448			
4,500.00	4,208.44	4,238.44	4,238.44	31.49	84.82	-62.23	3,515.74	2,771.05	3,578.45	3,464.82	113.63	31.492			
4,600.00	4,299.58	4,329.58	4,329.58	32.35	86.65	-62.77	3,515.74	2,771.05	3,558.05	3,441.70	116.34	30.582			
4,700.00	4,390.73	4,420.73	4,420.73	33.21	88.48	-63.33	3,515.74	2,771.05	3,538.01	3,418.94	119.06	29.715			
4,800.00	4,481.88	4,511.88	4,511.88	34.07	90.31	-63.88	3,515.74	2,771.05	3,518.33	3,396.54	121.79	28.889			
4,900.00	4,573.02	4,603.02	4,603.02	34.93	92.15	-64.44	3,515.74	2,771.05	3,499.03	3,374.51	124.52	28.101			

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - ABND VERT 70 RANCH USX BB 25-07P - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,664.17	4,694.17	4,694.17	35.79	93.98	-65.01	3,515.74	2,771.05	3,480.11	3,352.85	127.25	27.348		
5,100.00	4,755.31	4,785.31	4,785.31	36.65	95.81	-65.58	3,515.74	2,771.05	3,461.57	3,331.58	129.99	26.629		
5,200.00	4,846.46	4,876.46	4,876.46	37.51	97.65	-66.16	3,515.74	2,771.05	3,443.43	3,310.69	132.74	25.941		
5,300.00	4,937.60	4,967.60	4,967.60	38.37	99.48	-66.74	3,515.74	2,771.05	3,425.68	3,290.19	135.49	25.284		
5,400.00	5,028.75	5,058.75	5,058.75	39.23	101.31	-67.33	3,515.74	2,771.05	3,408.34	3,270.09	138.25	24.654		
5,500.00	5,119.89	5,149.89	5,149.89	40.09	103.15	-67.92	3,515.74	2,771.05	3,391.40	3,250.40	141.00	24.052		
5,600.00	5,211.04	5,241.04	5,241.04	40.96	104.98	-68.52	3,515.74	2,771.05	3,374.89	3,231.12	143.77	23.475		
5,700.00	5,302.18	5,332.18	5,332.18	41.82	106.81	-69.13	3,515.74	2,771.05	3,358.79	3,212.26	146.54	22.921		
5,800.00	5,393.33	5,423.33	5,423.33	42.68	108.64	-69.73	3,515.74	2,771.05	3,343.13	3,193.82	149.31	22.391		
5,900.00	5,484.47	5,514.47	5,514.47	43.54	110.48	-70.35	3,515.74	2,771.05	3,327.90	3,175.82	152.08	21.883		
6,000.00	5,575.62	5,605.62	5,605.62	44.40	112.31	-70.96	3,515.74	2,771.05	3,313.11	3,158.26	154.86	21.395		
6,100.00	5,666.76	5,696.76	5,696.76	45.26	114.14	-71.58	3,515.74	2,771.05	3,298.77	3,141.14	157.63	20.927		
6,175.79	5,735.84	5,765.84	5,765.84	45.92	115.53	-72.06	3,515.74	2,771.05	3,288.20	3,128.46	159.74	20.584		
6,200.00	5,757.87	5,787.87	5,787.87	46.13	115.98	-66.92	3,515.74	2,771.05	3,284.38	3,123.97	160.41	20.475		
6,250.00	5,803.02	5,833.02	5,833.02	46.56	116.88	-57.05	3,515.74	2,771.05	3,273.45	3,111.67	161.78	20.234		
6,300.00	5,847.42	5,877.42	5,877.42	46.99	117.78	-48.50	3,515.74	2,771.05	3,258.46	3,095.36	163.10	19.978		
6,350.00	5,890.72	5,920.72	5,920.72	47.41	118.65	-41.36	3,515.74	2,771.05	3,239.53	3,075.15	164.37	19.708		
6,400.00	5,932.60	5,962.60	5,962.60	47.83	119.49	-35.45	3,515.74	2,771.05	3,216.76	3,051.17	165.59	19.426		
6,450.00	5,972.74	6,002.74	6,002.74	48.23	120.30	-30.55	3,515.74	2,771.05	3,190.32	3,023.59	166.74	19.134		
6,500.00	6,010.83	6,040.83	6,040.83	48.61	121.06	-26.42	3,515.74	2,771.05	3,160.40	2,992.59	167.81	18.833		
6,550.00	6,046.58	6,076.58	6,076.58	48.98	121.78	-22.82	3,515.74	2,771.05	3,127.20	2,958.40	168.80	18.526		
6,600.00	6,079.73	6,109.73	6,109.73	49.33	122.45	-19.56	3,515.74	2,771.05	3,090.96	2,921.26	169.70	18.214		
6,650.00	6,110.01	6,140.01	6,140.01	49.67	123.06	-16.44	3,515.74	2,771.05	3,051.94	2,881.43	170.51	17.899		
6,700.00	6,137.21	6,167.21	6,167.21	49.98	123.60	-13.22	3,515.74	2,771.05	3,010.43	2,839.21	171.22	17.582		
6,750.00	6,161.10	6,191.10	6,191.10	50.28	124.08	-9.59	3,515.74	2,771.05	2,966.74	2,794.92	171.82	17.266		
6,800.00	6,181.52	6,211.52	6,211.52	50.55	124.50	-5.06	3,515.74	2,771.05	2,921.18	2,748.86	172.31	16.953		
6,850.00	6,198.29	6,228.29	6,228.29	50.81	124.83	1.33	3,515.74	2,771.05	2,874.10	2,701.40	172.69	16.643		
6,900.00	6,211.31	6,241.31	6,241.31	51.05	125.09	11.61	3,515.74	2,771.05	2,825.85	2,652.89	172.96	16.338		
6,950.00	6,220.46	6,250.46	6,250.46	51.27	125.28	30.19	3,515.74	2,771.05	2,776.82	2,603.71	173.11	16.041		
7,000.00	6,225.68	6,255.68	6,255.68	51.47	125.38	62.03	3,515.74	2,771.05	2,727.37	2,554.23	173.14	15.752		
7,040.67	6,227.00	6,257.00	6,257.00	51.63	125.41	90.00	3,515.74	2,771.05	2,687.10	2,514.03	173.08	15.525		
7,100.00	6,227.00	6,257.00	6,257.00	51.85	125.41	90.00	3,515.74	2,771.05	2,628.48	2,455.55	172.93	15.200		
7,200.00	6,227.00	6,257.00	6,257.00	52.25	125.41	90.00	3,515.74	2,771.05	2,529.74	2,357.08	172.66	14.651		
7,300.00	6,227.00	6,257.00	6,257.00	52.70	125.41	90.00	3,515.74	2,771.05	2,431.10	2,258.73	172.37	14.104		
7,400.00	6,227.00	6,257.00	6,257.00	53.18	125.41	90.00	3,515.74	2,771.05	2,332.58	2,160.52	172.06	13.556		
7,500.00	6,227.00	6,257.00	6,257.00	53.71	125.41	90.00	3,515.74	2,771.05	2,234.19	2,062.46	171.73	13.010		
7,600.00	6,227.00	6,257.00	6,257.00	54.28	125.41	90.00	3,515.74	2,771.05	2,135.95	1,964.59	171.36	12.465		
7,700.00	6,227.00	6,257.00	6,257.00	54.89	125.41	90.00	3,515.74	2,771.05	2,037.88	1,866.91	170.96	11.920		
7,800.00	6,227.00	6,257.00	6,257.00	55.55	125.41	90.00	3,515.74	2,771.05	1,940.00	1,769.48	170.53	11.377		
7,900.00	6,227.00	6,257.00	6,257.00	56.25	125.41	90.00	3,515.74	2,771.05	1,842.36	1,672.31	170.05	10.834		
8,000.00	6,227.00	6,257.00	6,257.00	56.99	125.41	90.00	3,515.74	2,771.05	1,744.98	1,575.46	169.52	10.294		
8,100.00	6,227.00	6,257.00	6,257.00	57.78	125.41	90.00	3,515.74	2,771.05	1,647.92	1,478.98	168.94	9.754		
8,200.00	6,227.00	6,257.00	6,257.00	58.62	125.41	90.00	3,515.74	2,771.05	1,551.23	1,382.93	168.29	9.217		
8,300.00	6,227.00	6,257.00	6,257.00	59.49	125.41	90.00	3,515.74	2,771.05	1,454.98	1,287.40	167.58	8.682		
8,400.00	6,227.00	6,257.00	6,257.00	60.41	125.41	90.00	3,515.74	2,771.05	1,359.28	1,192.50	166.78	8.150		
8,500.00	6,227.00	6,257.00	6,257.00	61.37	125.41	90.00	3,515.74	2,771.05	1,264.25	1,098.35	165.90	7.621		
8,600.00	6,227.00	6,257.00	6,257.00	62.37	125.41	90.00	3,515.74	2,771.05	1,170.04	1,005.12	164.92	7.095		
8,700.00	6,227.00	6,257.00	6,257.00	63.41	125.41	90.00	3,515.74	2,771.05	1,076.88	913.03	163.84	6.573		
8,800.00	6,227.00	6,257.00	6,257.00	64.49	125.41	90.00	3,515.74	2,771.05	985.06	822.37	162.69	6.055		
8,900.00	6,227.00	6,257.00	6,257.00	65.60	125.41	90.00	3,515.74	2,771.05	894.99	733.50	161.49	5.542		
9,000.00	6,227.00	6,257.00	6,257.00	66.74	125.41	90.00	3,515.74	2,771.05	807.27	646.88	160.38	5.033		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - ABND VERT 70 RANCH USX BB 25-07P - OWB - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-INC													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	6,257.00	6,257.00	67.92	125.41	90.00	3,515.74	2,771.05	722.74	563.14	159.60	4.528		
9,200.00	6,227.00	6,257.00	6,257.00	69.13	125.41	90.00	3,515.74	2,771.05	642.67	483.03	159.64	4.026		
9,300.00	6,227.00	6,257.00	6,257.00	70.37	125.41	90.00	3,515.74	2,771.05	568.94	407.66	161.29	3.528		
9,400.00	6,227.00	6,257.00	6,257.00	71.63	125.41	90.00	3,515.74	2,771.05	504.35	338.84	165.51	3.047		
9,500.00	6,227.00	6,257.00	6,257.00	72.92	125.41	90.00	3,515.74	2,771.05	452.81	279.98	172.84	2.620		
9,600.00	6,227.00	6,257.00	6,257.00	74.23	125.41	90.00	3,515.74	2,771.05	419.18	236.65	182.53	2.297		
9,696.64	6,227.00	6,257.00	6,257.00	75.53	125.41	90.00	3,515.74	2,771.05	407.89	215.86	192.03	2.124 CC		
9,700.00	6,227.00	6,257.00	6,257.00	75.57	125.41	90.00	3,515.74	2,771.05	407.90	215.57	192.33	2.121 ES		
9,800.00	6,227.00	6,257.00	6,257.00	76.93	125.41	90.00	3,515.74	2,771.05	420.78	221.08	199.70	2.107 SF		
9,900.00	6,227.00	6,257.00	6,257.00	78.31	125.41	90.00	3,515.74	2,771.05	455.77	252.20	203.58	2.239		
10,000.00	6,227.00	6,257.00	6,257.00	79.71	125.41	90.00	3,515.74	2,771.05	508.33	303.71	204.63	2.484		
10,100.00	6,227.00	6,257.00	6,257.00	81.12	125.41	90.00	3,515.74	2,771.05	573.65	369.62	204.03	2.812		
10,200.00	6,227.00	6,257.00	6,257.00	82.55	125.41	90.00	3,515.74	2,771.05	647.88	445.18	202.70	3.196		
10,300.00	6,227.00	6,257.00	6,257.00	84.00	125.41	90.00	3,515.74	2,771.05	728.30	527.17	201.13	3.621		
10,400.00	6,227.00	6,257.00	6,257.00	85.46	125.41	90.00	3,515.74	2,771.05	813.07	613.51	199.56	4.074		
10,500.00	6,227.00	6,257.00	6,257.00	86.94	125.41	90.00	3,515.74	2,771.05	900.98	702.87	198.11	4.548		
10,600.00	6,227.00	6,257.00	6,257.00	88.43	125.41	90.00	3,515.74	2,771.05	991.18	794.38	196.79	5.037		
10,700.00	6,227.00	6,257.00	6,257.00	89.93	125.41	90.00	3,515.74	2,771.05	1,083.10	887.48	195.62	5.537		
10,800.00	6,227.00	6,257.00	6,257.00	91.44	125.41	90.00	3,515.74	2,771.05	1,176.34	981.76	194.59	6.045		
10,900.00	6,227.00	6,257.00	6,257.00	92.96	125.41	90.00	3,515.74	2,771.05	1,270.61	1,076.94	193.67	6.561		
11,000.00	6,227.00	6,257.00	6,257.00	94.50	125.41	90.00	3,515.74	2,771.05	1,365.69	1,172.85	192.85	7.082		
11,100.00	6,227.00	6,257.00	6,257.00	96.04	125.41	90.00	3,515.74	2,771.05	1,461.44	1,269.31	192.12	7.607		
11,200.00	6,227.00	6,257.00	6,257.00	97.59	125.41	90.00	3,515.74	2,771.05	1,557.71	1,366.24	191.47	8.135		
11,300.00	6,227.00	6,257.00	6,257.00	99.15	125.41	90.00	3,515.74	2,771.05	1,654.43	1,463.54	190.89	8.667		
11,400.00	6,227.00	6,257.00	6,257.00	100.72	125.41	90.00	3,515.74	2,771.05	1,751.52	1,561.14	190.37	9.200		
11,500.00	6,227.00	6,257.00	6,257.00	102.30	125.41	90.00	3,515.74	2,771.05	1,848.91	1,659.01	189.90	9.736		
11,600.00	6,227.00	6,257.00	6,257.00	103.88	125.41	90.00	3,515.74	2,771.05	1,946.58	1,757.10	189.47	10.274		
11,700.00	6,227.00	6,257.00	6,257.00	105.47	125.41	90.00	3,515.74	2,771.05	2,044.46	1,855.38	189.09	10.812		
11,743.45	6,227.00	6,257.00	6,257.00	106.17	125.41	90.00	3,515.74	2,771.05	2,087.06	1,898.13	188.93	11.047		
11,808.25	6,227.00	6,257.00	6,257.00	107.20	125.41	90.00	3,515.74	2,771.05	2,150.78	1,962.06	188.72	11.397		
11,900.00	6,227.00	6,257.00	6,257.00	108.66	125.41	90.00	3,515.74	2,771.05	2,241.28	2,052.82	188.46	11.893		
12,000.00	6,227.00	6,257.00	6,257.00	110.26	125.41	90.00	3,515.74	2,771.05	2,340.03	2,151.83	188.20	12.434		
12,100.00	6,227.00	6,257.00	6,257.00	111.86	125.41	90.00	3,515.74	2,771.05	2,438.89	2,250.93	187.96	12.975		
12,200.00	6,227.00	6,257.00	6,257.00	113.47	125.41	90.00	3,515.74	2,771.05	2,537.83	2,350.09	187.74	13.518		
12,300.00	6,227.00	6,257.00	6,257.00	115.08	125.41	90.00	3,515.74	2,771.05	2,636.85	2,449.31	187.54	14.060		
12,400.00	6,227.00	6,257.00	6,257.00	116.70	125.41	90.00	3,515.74	2,771.05	2,735.95	2,548.59	187.36	14.603		
12,500.00	6,227.00	6,257.00	6,257.00	118.33	125.41	90.00	3,515.74	2,771.05	2,835.10	2,647.92	187.18	15.146		
12,600.00	6,227.00	6,257.00	6,257.00	119.96	125.41	90.00	3,515.74	2,771.05	2,934.32	2,747.29	187.03	15.689		
12,700.00	6,227.00	6,257.00	6,257.00	121.60	125.41	90.00	3,515.74	2,771.05	3,033.58	2,846.70	186.88	16.233		
12,800.00	6,227.00	6,257.00	6,257.00	123.24	125.41	90.00	3,515.74	2,771.05	3,132.90	2,946.15	186.74	16.776		
12,900.00	6,227.00	6,257.00	6,257.00	124.88	125.41	90.00	3,515.74	2,771.05	3,232.25	3,045.63	186.62	17.320		
13,000.00	6,227.00	6,257.00	6,257.00	126.53	125.41	90.00	3,515.74	2,771.05	3,331.65	3,145.14	186.50	17.864		
13,100.00	6,227.00	6,257.00	6,257.00	128.18	125.41	90.00	3,515.74	2,771.05	3,431.08	3,244.68	186.39	18.408		
13,200.00	6,227.00	6,257.00	6,257.00	129.84	125.41	90.00	3,515.74	2,771.05	3,530.54	3,344.24	186.29	18.952		
13,300.00	6,227.00	6,257.00	6,257.00	131.50	125.41	90.00	3,515.74	2,771.05	3,630.03	3,443.83	186.20	19.495		
13,400.00	6,227.00	6,257.00	6,257.00	133.16	125.41	90.00	3,515.74	2,771.05	3,729.55	3,543.43	186.11	20.039		
13,500.00	6,227.00	6,257.00	6,257.00	134.83	125.41	90.00	3,515.74	2,771.05	3,829.09	3,643.06	186.03	20.583		
13,600.00	6,227.00	6,257.00	6,257.00	136.50	125.41	90.00	3,515.74	2,771.05	3,928.66	3,742.70	185.96	21.127		
13,700.00	6,227.00	6,257.00	6,257.00	138.17	125.41	90.00	3,515.74	2,771.05	4,028.24	3,842.36	185.89	21.670		
13,800.00	6,227.00	6,257.00	6,257.00	139.85	125.41	90.00	3,515.74	2,771.05	4,127.85	3,942.03	185.82	22.214		
13,900.00	6,227.00	6,257.00	6,257.00	141.53	125.41	90.00	3,515.74	2,771.05	4,227.48	4,041.72	185.76	22.758		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - ABND VERT 70 RANCH USX BB 25-07P - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	6,227.00	6,257.00	6,257.00	143.21	125.41	90.00	3,515.74	2,771.05	4,327.12	4,141.42	185.71	23.301		
14,100.00	6,227.00	6,257.00	6,257.00	144.89	125.41	90.00	3,515.74	2,771.05	4,426.78	4,241.13	185.65	23.844		
14,200.00	6,227.00	6,257.00	6,257.00	146.58	125.41	90.00	3,515.74	2,771.05	4,526.46	4,340.85	185.61	24.387		
14,300.00	6,227.00	6,257.00	6,257.00	148.26	125.41	90.00	3,515.74	2,771.05	4,626.14	4,440.58	185.56	24.930		
14,400.00	6,227.00	6,257.00	6,257.00	149.96	125.41	90.00	3,515.74	2,771.05	4,725.85	4,540.33	185.52	25.473		
14,500.00	6,227.00	6,257.00	6,257.00	151.65	125.41	90.00	3,515.74	2,771.05	4,825.56	4,640.08	185.48	26.016		
14,600.00	6,227.00	6,257.00	6,257.00	153.34	125.41	90.00	3,515.74	2,771.05	4,925.29	4,739.84	185.45	26.559		
14,700.00	6,227.00	6,257.00	6,257.00	155.04	125.41	90.00	3,515.74	2,771.05	5,025.02	4,839.61	185.42	27.101		
14,800.00	6,227.00	6,257.00	6,257.00	156.74	125.41	90.00	3,515.74	2,771.05	5,124.77	4,939.38	185.39	27.643		
14,900.00	6,227.00	6,257.00	6,257.00	158.44	125.41	90.00	3,515.74	2,771.05	5,224.53	5,039.16	185.36	28.185		
15,000.00	6,227.00	6,257.00	6,257.00	160.14	125.41	90.00	3,515.74	2,771.05	5,324.29	5,138.95	185.34	28.727		
15,100.00	6,227.00	6,257.00	6,257.00	161.85	125.41	90.00	3,515.74	2,771.05	5,424.07	5,238.75	185.32	29.269		
15,200.00	6,227.00	6,257.00	6,257.00	163.56	125.41	90.00	3,515.74	2,771.05	5,523.85	5,338.55	185.30	29.810		
15,300.00	6,227.00	6,257.00	6,257.00	165.26	125.41	90.00	3,515.74	2,771.05	5,623.64	5,438.36	185.28	30.352		
15,400.00	6,227.00	6,257.00	6,257.00	166.97	125.41	90.00	3,515.74	2,771.05	5,723.44	5,538.17	185.27	30.893		
15,500.00	6,227.00	6,257.00	6,257.00	168.68	125.41	90.00	3,515.74	2,771.05	5,823.24	5,637.99	185.26	31.433		
15,600.00	6,227.00	6,257.00	6,257.00	170.40	125.41	90.00	3,515.74	2,771.05	5,923.05	5,737.81	185.25	31.974		
15,700.00	6,227.00	6,257.00	6,257.00	172.11	125.41	90.00	3,515.74	2,771.05	6,022.87	5,837.63	185.24	32.514		
15,800.00	6,227.00	6,257.00	6,257.00	173.83	125.41	90.00	3,515.74	2,771.05	6,122.69	5,937.46	185.23	33.055		
15,900.00	6,227.00	6,257.00	6,257.00	175.54	125.41	90.00	3,515.74	2,771.05	6,222.52	6,037.30	185.22	33.594		
16,000.00	6,227.00	6,257.00	6,257.00	177.26	125.41	90.00	3,515.74	2,771.05	6,322.36	6,137.14	185.22	34.134		
16,100.00	6,227.00	6,257.00	6,257.00	178.98	125.41	90.00	3,515.74	2,771.05	6,422.20	6,236.98	185.22	34.674		
16,200.00	6,227.00	6,257.00	6,257.00	180.70	125.41	90.00	3,515.74	2,771.05	6,522.04	6,336.82	185.22	35.213		
16,300.00	6,227.00	6,257.00	6,257.00	182.42	125.41	90.00	3,515.74	2,771.05	6,621.89	6,436.67	185.22	35.752		
16,400.00	6,227.00	6,257.00	6,257.00	184.15	125.41	90.00	3,515.74	2,771.05	6,721.74	6,536.52	185.22	36.290		
16,500.00	6,227.00	6,257.00	6,257.00	185.87	125.41	90.00	3,515.74	2,771.05	6,821.60	6,636.38	185.23	36.829		
16,600.00	6,227.00	6,257.00	6,257.00	187.60	125.41	90.00	3,515.74	2,771.05	6,921.47	6,736.23	185.23	37.367		
16,700.00	6,227.00	6,257.00	6,257.00	189.32	125.41	90.00	3,515.74	2,771.05	7,021.33	6,836.09	185.24	37.905		
16,800.00	6,227.00	6,257.00	6,257.00	191.05	125.41	90.00	3,515.74	2,771.05	7,121.20	6,935.96	185.24	38.442		
16,900.00	6,227.00	6,257.00	6,257.00	192.78	125.41	90.00	3,515.74	2,771.05	7,221.07	7,035.82	185.25	38.979		
17,000.00	6,227.00	6,257.00	6,257.00	194.51	125.41	90.00	3,515.74	2,771.05	7,320.95	7,135.69	185.26	39.516		
17,100.00	6,227.00	6,257.00	6,257.00	196.24	125.41	90.00	3,515.74	2,771.05	7,420.83	7,235.56	185.28	40.053		
17,200.00	6,227.00	6,257.00	6,257.00	197.97	125.41	90.00	3,515.74	2,771.05	7,520.71	7,335.43	185.29	40.589		
17,300.00	6,227.00	6,257.00	6,257.00	199.70	125.41	90.00	3,515.74	2,771.05	7,620.60	7,435.30	185.30	41.126		
17,400.00	6,227.00	6,257.00	6,257.00	201.44	125.41	90.00	3,515.74	2,771.05	7,720.49	7,535.18	185.32	41.661		
17,500.00	6,227.00	6,257.00	6,257.00	203.17	125.41	90.00	3,515.74	2,771.05	7,820.38	7,635.05	185.33	42.197		
17,600.00	6,227.00	6,257.00	6,257.00	204.90	125.41	90.00	3,515.74	2,771.05	7,920.28	7,734.93	185.35	42.732		
17,700.00	6,227.00	6,257.00	6,257.00	206.64	125.41	90.00	3,515.74	2,771.05	8,020.17	7,834.81	185.36	43.267		
17,800.00	6,227.00	6,257.00	6,257.00	208.38	125.41	90.00	3,515.74	2,771.05	8,120.07	7,934.69	185.38	43.802		
17,900.00	6,227.00	6,257.00	6,257.00	210.11	125.41	90.00	3,515.74	2,771.05	8,219.98	8,034.57	185.40	44.336		
18,000.00	6,227.00	6,257.00	6,257.00	211.85	125.41	90.00	3,515.74	2,771.05	8,319.88	8,134.46	185.42	44.870		
18,100.00	6,227.00	6,257.00	6,257.00	213.59	125.41	90.00	3,515.74	2,771.05	8,419.79	8,234.35	185.44	45.403		
18,200.00	6,227.00	6,257.00	6,257.00	215.33	125.41	90.00	3,515.74	2,771.05	8,519.70	8,334.23	185.47	45.937		
18,300.00	6,227.00	6,257.00	6,257.00	217.07	125.41	90.00	3,515.74	2,771.05	8,619.61	8,434.12	185.49	46.470		
18,400.00	6,227.00	6,257.00	6,257.00	218.81	125.41	90.00	3,515.74	2,771.05	8,719.52	8,534.01	185.51	47.002		
18,500.00	6,227.00	6,257.00	6,257.00	220.55	125.41	90.00	3,515.74	2,771.05	8,819.44	8,633.90	185.54	47.535		
18,600.00	6,227.00	6,257.00	6,257.00	222.29	125.41	90.00	3,515.74	2,771.05	8,919.36	8,733.79	185.56	48.067		
18,700.00	6,227.00	6,257.00	6,257.00	224.03	125.41	90.00	3,515.74	2,771.05	9,019.27	8,833.69	185.59	48.598		
18,800.00	6,227.00	6,257.00	6,257.00	225.78	125.41	90.00	3,515.74	2,771.05	9,119.20	8,933.58	185.61	49.130		
18,900.00	6,227.00	6,257.00	6,257.00	227.52	125.41	90.00	3,515.74	2,771.05	9,219.12	9,033.48	185.64	49.661		
19,000.00	6,227.00	6,257.00	6,257.00	229.26	125.41	90.00	3,515.74	2,771.05	9,319.04	9,133.37	185.67	50.191		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-INC SEC 36-T5N-R63W - ABND VERT 70 RANCH USX BB 25-07P - OWB - Design #1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,100.00	6,227.00	6,257.00	6,257.00	231.01	125.41	90.00	3,515.74	2,771.05	9,418.97	9,233.27	185.70	50.721	
19,200.00	6,227.00	6,257.00	6,257.00	232.75	125.41	90.00	3,515.74	2,771.05	9,518.90	9,333.17	185.73	51.251	
19,300.00	6,227.00	6,257.00	6,257.00	234.50	125.41	90.00	3,515.74	2,771.05	9,618.82	9,433.06	185.76	51.781	
19,400.00	6,227.00	6,257.00	6,257.00	236.25	125.41	90.00	3,515.74	2,771.05	9,718.75	9,532.96	185.79	52.310	
19,500.00	6,227.00	6,257.00	6,257.00	237.99	125.41	90.00	3,515.74	2,771.05	9,818.69	9,632.86	185.82	52.839	
19,600.00	6,227.00	6,257.00	6,257.00	239.74	125.41	90.00	3,515.74	2,771.05	9,918.62	9,732.76	185.86	53.367	
19,700.00	6,227.00	6,257.00	6,257.00	241.49	125.41	90.00	3,515.74	2,771.05	10,018.55	9,832.67	185.89	53.896	
19,800.00	6,227.00	6,257.00	6,257.00	243.24	125.41	90.00	3,515.74	2,771.05	10,118.49	9,932.57	185.92	54.423	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 823-MWD OWSG												Offset Well Error:	0.00 usft
Reference				Offset			Semi Major Axis		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	9.29	9.29	0.00	0.02	10.35	4,712.72	860.67	4,790.67				
100.00	100.00	112.48	112.48	0.27	0.20	10.35	4,712.70	860.59	4,790.63	4,790.16	0.47	N/A	
200.00	200.00	215.66	215.66	0.63	0.38	10.35	4,712.63	860.36	4,790.52	4,789.52	1.01	4,757.962	
300.00	300.00	318.85	318.85	0.99	0.56	10.34	4,712.51	860.00	4,790.35	4,788.80	1.55	3,096.750	
400.00	400.00	422.04	422.03	1.34	0.74	10.34	4,712.35	859.50	4,790.11	4,788.03	2.09	2,295.275	
500.00	499.98	525.19	525.18	1.70	0.93	-71.75	4,712.15	858.86	4,789.26	4,786.64	2.62	1,827.473	
600.00	599.84	628.17	628.17	2.05	1.11	-71.86	4,711.90	858.08	4,787.25	4,784.10	3.15	1,517.626	
700.00	699.45	730.86	730.85	2.41	1.29	-72.03	4,711.61	857.16	4,784.10	4,780.41	3.70	1,293.521	
800.00	798.70	833.10	833.08	2.79	1.47	-72.27	4,711.28	856.11	4,779.84	4,775.58	4.26	1,122.837	
900.00	897.47	930.04	930.01	3.19	1.83	-72.56	4,711.02	854.96	4,774.59	4,769.56	5.02	950.693	
1,000.00	995.62	1,045.06	1,045.02	3.62	2.25	-72.95	4,710.48	853.07	4,768.08	4,762.21	5.86	813.566	
1,100.00	1,093.06	1,141.00	1,140.94	4.09	2.59	-73.37	4,710.01	851.07	4,760.56	4,753.90	6.66	714.443	
1,200.00	1,189.64	1,238.51	1,238.42	4.59	2.95	-73.85	4,709.57	848.75	4,752.17	4,744.66	7.51	632.762	
1,300.00	1,285.27	1,329.43	1,329.31	5.14	3.27	-74.36	4,709.16	846.48	4,742.98	4,734.60	8.38	566.137	
1,400.00	1,379.82	1,418.01	1,417.86	5.74	3.59	-74.91	4,708.90	844.43	4,733.22	4,723.93	9.29	509.669	
1,500.00	1,473.17	1,508.07	1,507.90	6.40	3.92	-75.52	4,708.61	842.43	4,722.82	4,712.56	10.26	460.478	
1,600.00	1,565.21	1,590.87	1,590.68	7.12	4.22	-76.13	4,708.51	840.54	4,712.02	4,700.76	11.26	418.475	
1,614.66	1,578.59	1,604.39	1,604.19	7.23	4.26	-76.23	4,708.50	840.24	4,710.40	4,698.98	11.42	412.573	
1,700.00	1,656.38	1,680.68	1,680.47	7.88	4.54	-76.62	4,708.41	838.72	4,701.08	4,688.75	12.34	381.078	
1,800.00	1,747.52	1,755.00	1,754.78	8.67	4.81	-77.00	4,708.40	837.38	4,690.62	4,677.25	13.38	350.605	
1,900.00	1,838.67	1,831.69	1,831.46	9.47	5.08	-77.39	4,708.60	836.24	4,680.82	4,666.38	14.44	324.073	
2,000.00	1,929.81	1,919.54	1,919.30	10.28	5.39	-77.84	4,709.09	835.11	4,671.64	4,656.08	15.56	300.226	
2,100.00	2,020.96	2,020.07	2,019.81	11.10	5.75	-78.36	4,709.57	833.46	4,662.73	4,646.00	16.73	278.648	
2,200.00	2,112.10	2,165.85	2,165.58	11.92	6.28	-79.11	4,709.18	831.07	4,653.51	4,635.43	18.07	257.463	
2,300.00	2,203.25	2,256.44	2,256.15	12.75	6.60	-79.58	4,708.36	829.67	4,644.10	4,624.87	19.23	241.530	
2,400.00	2,294.39	2,331.70	2,331.40	13.59	6.87	-79.97	4,707.84	828.66	4,635.28	4,614.94	20.33	227.960	
2,500.00	2,385.54	2,418.35	2,418.05	14.43	7.18	-80.41	4,707.41	827.72	4,627.00	4,605.52	21.48	215.365	
2,600.00	2,476.68	2,518.50	2,518.18	15.27	7.54	-80.93	4,706.85	826.64	4,619.05	4,596.36	22.69	203.603	
2,700.00	2,567.83	2,602.45	2,602.13	16.11	7.84	-81.37	4,706.36	825.70	4,611.44	4,587.61	23.84	193.465	
2,800.00	2,658.97	2,681.32	2,681.00	16.96	8.12	-81.78	4,706.05	824.82	4,604.38	4,579.41	24.97	184.386	
2,900.00	2,750.12	2,767.31	2,766.97	17.80	8.43	-82.23	4,705.90	823.67	4,597.89	4,571.76	26.13	175.930	
3,000.00	2,841.26	2,873.52	2,873.18	18.65	8.81	-82.78	4,705.61	822.33	4,591.72	4,564.34	27.37	167.758	
3,100.00	2,932.41	2,979.38	2,979.03	19.50	9.19	-83.33	4,704.89	821.51	4,585.52	4,556.92	28.60	160.315	
3,200.00	3,023.55	3,074.13	3,073.76	20.35	9.59	-83.88	4,704.17	820.69	4,579.30	4,549.69	29.84	153.462	
3,300.00	3,114.70	3,164.73	3,164.34	21.21	9.99	-84.43	4,703.45	819.87	4,573.08	4,543.47	31.08	147.109	
3,400.00	3,205.84	3,256.44	3,256.03	22.06	10.39	-84.98	4,702.73	819.05	4,566.86	4,537.25	32.32	140.756	
3,500.00	3,296.99	3,347.53	3,347.10	22.92	10.79	-85.53	4,702.01	818.23	4,560.64	4,531.03	33.56	134.403	
3,600.00	3,388.13	3,438.67	3,438.22	23.77	11.19	-86.08	4,701.29	817.41	4,554.42	4,524.81	34.80	128.050	
3,700.00	3,479.28	3,529.81	3,529.34	24.63	11.59	-86.63	4,700.57	816.59	4,548.20	4,518.59	36.04	121.697	
3,800.00	3,570.42	3,620.95	3,620.44	25.48	11.99	-87.18	4,699.85	815.77	4,541.98	4,512.37	37.28	115.344	
3,900.00	3,661.57	3,711.69	3,711.14	26.34	12.39	-87.73	4,699.13	814.95	4,535.76	4,506.15	38.52	108.991	
4,000.00	3,752.71	3,802.81	3,802.22	27.20	12.79	-88.28	4,698.41	814.13	4,529.54	4,499.93	39.76	102.638	
4,100.00	3,843.86	3,893.91	3,893.29	28.05	13.19	-88.83	4,697.69	813.31	4,523.32	4,493.71	41.00	96.285	
4,200.00	3,935.00	3,985.00	3,984.34	28.91	13.59	-89.38	4,696.97	812.49	4,517.10	4,487.50	42.24	89.932	
4,300.00	4,026.15	4,076.15	4,075.43	29.77	13.99	-89.93	4,696.25	811.67	4,510.88	4,481.28	43.48	83.579	
4,400.00	4,117.29	4,167.29	4,166.52	30.63	14.39	-90.48	4,695.53	810.85	4,504.66	4,475.06	44.72	77.226	
4,500.00	4,208.44	4,258.44	4,257.62	31.49	14.79	-91.03	4,694.81	810.03	4,498.44	4,468.84	45.96	70.873	
4,600.00	4,299.58	4,349.58	4,348.71	32.35	15.19	-91.58	4,694.09	809.21	4,492.22	4,462.62	47.20	64.520	
4,700.00	4,390.73	4,440.73	4,439.81	33.21	15.59	-92.13	4,693.37	808.39	4,486.00	4,456.40	48.44	58.167	
4,800.00	4,481.88	4,531.88	4,530.91	34.07	15.99	-92.68	4,692.65	807.57	4,479.78	4,450.18	49.68	51.814	
4,900.00	4,573.02	4,623.02	4,622.00	34.93	16.39	-93.23	4,691.93	806.75	4,473.56	4,443.96	50.92	45.461	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
SEC 36-T5N-R63W - EXIST HZ SI 70 RANCH USX BB 25-99HZ - OWB - FINAL SURVEY												Offset Well Error:	0.00 usft
Survey Program: 823-MWD OWSG													
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
5,000.00	4,664.17	9,921.00	6,381.17	35.79	92.97	-47.60	1,772.27	3,481.42	2,954.35	2,857.64	96.71	30.547	
5,100.00	4,755.31	9,934.70	6,381.07	36.65	93.28	-47.18	1,761.78	3,490.22	2,873.66	2,775.00	98.65	29.129	
5,200.00	4,846.46	9,942.01	6,381.00	37.51	93.45	-46.95	1,756.23	3,494.98	2,794.17	2,693.59	100.58	27.780	
5,300.00	4,937.60	9,953.00	6,380.89	38.37	93.70	-46.60	1,747.94	3,502.19	2,716.00	2,613.37	102.62	26.466	
5,400.00	5,028.75	9,953.00	6,380.89	39.23	93.70	-46.60	1,747.94	3,502.19	2,639.22	2,534.62	104.60	25.231	
5,500.00	5,119.89	9,969.84	6,380.67	40.09	94.09	-46.07	1,735.35	3,513.37	2,563.95	2,457.11	106.84	23.998	
5,600.00	5,211.04	9,985.00	6,380.39	40.96	94.44	-45.59	1,724.11	3,523.54	2,490.34	2,381.22	109.12	22.822	
5,700.00	5,302.18	9,985.00	6,380.39	41.82	94.44	-45.59	1,724.11	3,523.54	2,418.53	2,307.25	111.27	21.735	
5,800.00	5,393.33	9,997.70	6,380.12	42.68	94.74	-45.18	1,714.78	3,532.15	2,348.69	2,235.06	113.63	20.670	
5,900.00	5,484.47	10,005.65	6,379.93	43.54	94.93	-44.93	1,708.99	3,537.60	2,281.03	2,165.07	115.96	19.671	
6,000.00	5,575.62	10,017.00	6,379.63	44.40	95.19	-44.56	1,700.80	3,545.45	2,215.76	2,097.40	118.36	18.721	
6,100.00	5,666.76	10,017.00	6,379.63	45.26	95.19	-44.56	1,700.80	3,545.45	2,153.07	2,032.44	120.62	17.850	
6,175.79	5,735.84	10,017.00	6,379.63	45.92	95.19	-44.56	1,700.80	3,545.45	2,107.47	1,985.15	122.32	17.229	
6,200.00	5,757.87	10,028.06	6,379.34	46.13	95.45	-37.85	1,692.90	3,553.18	2,092.86	1,969.86	123.00	17.015	
6,250.00	5,803.02	10,030.66	6,379.27	46.56	95.51	-25.15	1,691.05	3,555.01	2,061.40	1,937.34	124.06	16.617	
6,300.00	5,847.42	10,032.25	6,379.23	46.99	95.55	-13.46	1,689.93	3,556.13	2,028.16	1,903.17	124.98	16.227	
6,350.00	5,890.72	10,032.78	6,379.22	47.41	95.56	-2.82	1,689.55	3,556.51	1,993.32	1,867.54	125.78	15.848	
6,400.00	5,932.60	10,032.23	6,379.23	47.83	95.55	6.96	1,689.94	3,556.12	1,957.06	1,830.63	126.44	15.479	
6,450.00	5,972.74	10,030.57	6,379.28	48.23	95.51	16.13	1,691.11	3,554.95	1,919.60	1,792.65	126.95	15.120	
6,500.00	6,010.83	10,027.76	6,379.35	48.61	95.44	24.90	1,693.11	3,552.97	1,881.14	1,753.81	127.33	14.774	
6,550.00	6,046.58	10,017.00	6,379.63	48.98	95.19	33.13	1,700.80	3,545.45	1,841.95	1,714.46	127.48	14.448	
6,600.00	6,079.73	10,017.00	6,379.63	49.33	95.19	41.74	1,700.80	3,545.45	1,802.14	1,674.50	127.64	14.119	
6,650.00	6,110.01	10,017.00	6,379.63	49.67	95.19	50.20	1,700.80	3,545.45	1,762.10	1,634.44	127.67	13.802	
6,700.00	6,137.21	10,003.32	6,379.98	49.98	94.87	57.89	1,710.69	3,536.00	1,721.99	1,594.57	127.42	13.515	
6,750.00	6,161.10	9,985.00	6,380.39	50.28	94.44	65.16	1,724.11	3,523.54	1,682.18	1,555.17	127.01	13.245	
6,800.00	6,181.52	9,985.00	6,380.39	50.55	94.44	72.53	1,724.11	3,523.54	1,642.78	1,516.12	126.66	12.970	
6,850.00	6,198.29	9,966.60	6,380.72	50.81	94.02	78.86	1,737.76	3,511.21	1,604.18	1,478.15	126.03	12.729	
6,900.00	6,211.31	9,953.00	6,380.89	51.05	93.70	84.67	1,747.94	3,502.19	1,566.63	1,441.30	125.33	12.500	
6,950.00	6,220.46	9,936.07	6,381.06	51.27	93.31	89.78	1,760.74	3,491.11	1,530.46	1,405.95	124.51	12.292	
7,000.00	6,225.68	9,921.00	6,381.17	51.47	92.97	94.22	1,772.27	3,481.42	1,496.03	1,372.42	123.61	12.103	
7,040.67	6,227.00	9,908.92	6,381.23	51.63	92.70	97.33	1,781.63	3,473.77	1,469.54	1,346.74	122.80	11.967	
7,100.00	6,227.00	9,889.00	6,381.29	51.85	92.25	97.41	1,797.27	3,461.44	1,432.48	1,310.91	121.57	11.783	
7,200.00	6,227.00	9,857.00	6,381.34	52.25	91.54	97.55	1,822.96	3,442.36	1,372.12	1,252.61	119.51	11.481	
7,300.00	6,227.00	9,825.00	6,381.15	52.70	90.84	97.66	1,849.22	3,424.08	1,314.47	1,197.00	117.48	11.189	
7,400.00	6,227.00	9,770.98	6,379.16	53.18	89.69	97.77	1,894.47	3,394.67	1,259.17	1,143.64	115.54	10.898	
7,500.00	6,227.00	9,714.37	6,375.01	53.71	88.51	97.77	1,942.74	3,365.39	1,206.01	1,092.25	113.76	10.602	
7,600.00	6,227.00	9,666.00	6,369.66	54.28	87.53	97.65	1,984.50	3,341.57	1,154.93	1,042.77	112.16	10.297	
7,700.00	6,227.00	9,613.60	6,362.03	54.89	86.50	97.40	2,030.47	3,317.62	1,106.68	995.89	110.80	9.988	
7,800.00	6,227.00	9,564.70	6,354.46	55.55	85.58	97.11	2,074.12	3,296.93	1,061.59	951.93	109.66	9.681	
7,900.00	6,227.00	9,502.13	6,345.78	56.25	84.44	96.78	2,130.97	3,272.29	1,019.62	910.89	108.72	9.378	
8,000.00	6,227.00	9,438.14	6,341.71	56.99	83.29	96.71	2,189.89	3,247.70	979.79	871.94	107.86	9.084	
8,100.00	6,227.00	9,304.97	6,340.80	57.78	80.88	97.06	2,312.73	3,196.36	940.85	834.29	106.56	8.829	
8,200.00	6,227.00	9,171.22	6,340.48	58.62	78.35	97.57	2,433.09	3,138.06	896.66	791.62	105.04	8.537	
8,300.00	6,227.00	9,020.95	6,340.56	59.49	75.38	98.37	2,563.87	3,064.11	846.86	743.80	103.06	8.217	
8,400.00	6,227.00	8,879.83	6,341.36	60.41	72.44	99.46	2,682.00	2,986.97	792.34	691.48	100.87	7.855	
8,500.00	6,227.00	8,699.15	6,342.24	61.37	68.43	101.66	2,819.86	2,870.45	726.67	628.91	97.75	7.434	
8,600.00	6,227.00	8,611.68	6,341.09	62.37	66.43	103.07	2,882.36	2,809.26	656.59	560.78	95.81	6.853	
8,700.00	6,227.00	8,536.78	6,338.42	63.41	64.71	104.39	2,935.27	2,756.32	585.70	491.68	94.02	6.229	
8,800.00	6,227.00	8,467.29	6,335.55	64.49	63.12	105.89	2,984.25	2,707.12	514.78	422.53	92.25	5.580	
8,900.00	6,227.00	8,402.78	6,333.34	65.60	61.64	107.78	3,029.91	2,661.59	444.46	354.03	90.42	4.915	
9,000.00	6,227.00	8,333.86	6,332.03	66.74	60.08	110.65	3,079.13	2,613.37	375.41	287.21	88.20	4.256	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ SI 70 RANCH USX BB 25-99HZ - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 823-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	8,259.36	6,331.08	67.92	58.39	115.25	3,131.79	2,560.68	306.57	221.40	85.17	3.600	
9,200.00	6,227.00	8,190.76	6,330.64	69.13	56.84	121.87	3,179.94	2,511.82	239.02	157.97	81.05	2.949	
9,300.00	6,227.00	8,121.30	6,330.68	70.37	55.27	132.81	3,228.64	2,462.30	175.23	101.23	73.99	2.368	
9,400.00	6,227.00	8,052.03	6,330.97	71.63	53.72	151.26	3,276.99	2,412.69	121.07	60.40	60.67	1.995	
9,500.00	6,227.00	7,982.78	6,331.17	72.92	52.17	178.82	3,325.30	2,363.08	95.21	46.12	49.09	1.940	
9,504.45	6,227.00	7,979.69	6,331.18	72.98	52.10	-179.84	3,327.46	2,360.87	95.18	45.58	49.60	1.919	CC
9,600.00	6,227.00	7,913.47	6,331.23	74.23	50.63	-153.19	3,373.75	2,313.51	117.91	43.89	74.02	1.593	ES, SF
9,700.00	6,227.00	7,845.73	6,331.38	75.57	49.14	-134.51	3,421.13	2,265.09	170.86	86.37	84.49	2.022	
9,800.00	6,227.00	7,780.40	6,332.43	76.93	47.70	-123.69	3,466.34	2,217.95	235.35	148.98	86.37	2.725	
9,900.00	6,227.00	7,710.51	6,333.88	78.31	46.18	-116.57	3,514.61	2,167.42	303.91	217.39	86.52	3.513	
10,000.00	6,227.00	7,641.70	6,335.07	79.71	44.69	-111.95	3,562.29	2,117.83	373.89	287.90	85.99	4.348	
10,100.00	6,227.00	7,573.94	6,335.92	81.12	43.24	-108.70	3,609.15	2,068.89	444.86	359.63	85.22	5.220	
10,200.00	6,227.00	7,506.84	6,336.30	82.55	41.81	-106.24	3,655.37	2,020.26	516.53	432.13	84.40	6.120	
10,300.00	6,227.00	7,440.83	6,336.41	84.00	40.43	-104.34	3,700.68	1,972.26	588.77	505.22	83.55	7.047	
10,400.00	6,227.00	7,378.32	6,336.57	85.46	39.13	-102.90	3,743.39	1,926.62	661.58	578.96	82.62	8.007	
10,500.00	6,227.00	7,321.11	6,336.40	86.94	37.95	-101.78	3,781.95	1,884.34	735.38	653.79	81.60	9.013	
10,600.00	6,227.00	7,260.82	6,336.22	88.43	36.72	-100.77	3,822.06	1,839.34	810.06	729.32	80.74	10.033	
10,700.00	6,227.00	7,197.65	6,336.84	89.93	35.45	-99.95	3,863.93	1,792.03	885.19	805.15	80.04	11.060	
10,800.00	6,227.00	7,127.91	6,337.73	91.44	34.08	-99.21	3,910.28	1,739.95	960.23	880.67	79.56	12.069	
10,900.00	6,227.00	7,047.12	6,338.77	92.96	32.55	-98.50	3,964.53	1,680.08	1,034.74	955.29	79.44	13.025	
11,000.00	6,227.00	6,982.30	6,339.28	94.50	31.35	-97.99	4,008.45	1,632.42	1,108.69	1,029.75	78.94	14.044	
11,100.00	6,227.00	6,926.00	6,337.90	96.04	30.34	-97.46	4,046.13	1,590.61	1,183.24	1,104.98	78.26	15.119	
11,200.00	6,227.00	6,881.32	6,335.60	97.59	29.55	-96.99	4,075.50	1,557.02	1,258.67	1,181.31	77.37	16.269	
11,300.00	6,227.00	6,831.00	6,331.87	99.15	28.68	-96.43	4,107.81	1,518.63	1,335.24	1,258.59	76.65	17.419	
11,400.00	6,227.00	6,737.52	6,323.17	100.72	27.15	-95.40	4,168.68	1,448.22	1,410.86	1,333.88	76.98	18.328	
11,500.00	6,227.00	6,686.57	6,316.74	102.30	26.36	-94.81	4,201.77	1,410.02	1,486.56	1,410.18	76.39	19.461	
11,600.00	6,227.00	6,624.69	6,305.48	103.88	25.45	-93.95	4,241.28	1,363.78	1,562.60	1,486.54	76.07	20.542	
11,700.00	6,227.00	6,560.19	6,289.97	105.47	24.56	-92.93	4,281.57	1,315.87	1,639.14	1,563.31	75.83	21.616	
11,743.45	6,227.00	6,528.23	6,280.65	106.17	24.14	-92.37	4,301.32	1,292.54	1,672.33	1,596.52	75.81	22.060	
11,808.25	6,227.00	6,498.60	6,270.51	107.20	23.77	-91.75	4,319.27	1,271.26	1,721.49	1,646.09	75.40	22.832	
11,900.00	6,227.00	6,466.77	6,258.02	108.66	23.39	-91.10	4,337.87	1,248.66	1,791.22	1,716.59	74.63	24.001	
12,000.00	6,227.00	6,423.56	6,238.82	110.26	22.92	-90.14	4,362.06	1,218.45	1,868.29	1,794.30	73.99	25.251	
12,100.00	6,227.00	6,378.59	6,215.95	111.86	22.45	-89.05	4,386.07	1,188.08	1,946.15	1,872.77	73.38	26.522	
12,200.00	6,227.00	6,319.48	6,183.97	113.47	21.89	-87.62	4,416.87	1,149.08	2,024.59	1,951.56	73.03	27.723	
12,300.00	6,227.00	6,267.00	6,153.75	115.08	21.44	-86.33	4,443.59	1,115.50	2,103.47	2,030.86	72.61	28.970	
12,400.00	6,227.00	6,236.00	6,135.20	116.70	21.20	-85.58	4,459.07	1,096.08	2,182.98	2,111.05	71.93	30.351	
12,500.00	6,227.00	6,204.00	6,115.45	118.33	20.96	-84.79	4,474.41	1,076.11	2,263.64	2,192.33	71.31	31.744	
12,600.00	6,227.00	6,182.79	6,101.96	119.96	20.81	-84.27	4,484.22	1,063.01	2,345.26	2,274.65	70.61	33.216	
12,700.00	6,227.00	6,018.41	5,985.35	121.60	19.86	-80.01	4,558.29	974.46	2,425.53	2,354.02	71.51	33.917	
12,800.00	6,227.00	6,001.29	5,971.88	123.24	19.78	-79.54	4,565.45	966.70	2,506.39	2,435.64	70.75	35.428	
12,900.00	6,227.00	5,981.00	5,955.54	124.88	19.68	-78.98	4,573.48	957.73	2,588.39	2,518.33	70.06	36.948	
13,000.00	6,227.00	5,981.00	5,955.54	126.53	19.68	-78.98	4,573.48	957.73	2,671.38	2,602.12	69.27	38.567	
13,100.00	6,227.00	5,950.00	5,929.80	128.18	19.55	-78.10	4,584.82	944.71	2,755.30	2,686.56	68.74	40.084	
13,200.00	6,227.00	5,950.00	5,929.80	129.84	19.55	-78.10	4,584.82	944.71	2,840.06	2,771.99	68.06	41.726	
13,300.00	6,227.00	5,935.59	5,917.53	131.50	19.48	-77.68	4,589.71	938.96	2,925.64	2,858.13	67.52	43.331	
13,400.00	6,227.00	5,918.00	5,902.32	133.16	19.41	-77.17	4,595.31	932.13	3,012.08	2,945.06	67.02	44.941	
13,500.00	6,227.00	5,918.00	5,902.32	134.83	19.41	-77.17	4,595.31	932.13	3,099.15	3,032.65	66.50	46.606	
13,600.00	6,227.00	5,906.33	5,892.09	136.50	19.36	-76.83	4,598.82	927.75	3,186.93	3,120.87	66.05	48.248	
13,700.00	6,227.00	5,886.00	5,873.97	138.17	19.28	-76.22	4,604.58	920.53	3,275.32	3,209.66	65.66	49.882	
13,800.00	6,227.00	5,886.00	5,873.97	139.85	19.28	-76.22	4,604.58	920.53	3,364.22	3,298.97	65.25	51.558	
13,900.00	6,227.00	5,873.07	5,862.29	141.53	19.23	-75.84	4,608.04	916.19	3,453.66	3,388.76	64.90	53.216	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ SI 70 RANCH USX BB 25-99HZ - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 823-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,000.00	6,227.00	5,854.00	5,844.88	143.21	19.16	-75.26	4,612.86	910.09	3,543.62	3,479.04	64.58	54.874	
14,100.00	6,227.00	5,854.00	5,844.88	144.89	19.16	-75.26	4,612.86	910.09	3,633.97	3,569.72	64.26	56.553	
14,200.00	6,227.00	5,854.00	5,844.88	146.58	19.16	-75.26	4,612.86	910.09	3,724.82	3,660.86	63.97	58.230	
14,300.00	6,227.00	5,836.72	5,828.92	148.26	19.09	-74.74	4,616.96	904.88	3,816.01	3,752.30	63.71	59.898	
14,400.00	6,227.00	5,823.00	5,816.14	149.96	19.04	-74.32	4,620.01	900.96	3,907.63	3,844.17	63.46	61.572	
14,500.00	6,227.00	5,823.00	5,816.14	151.65	19.04	-74.32	4,620.01	900.96	3,999.59	3,936.35	63.24	63.245	
14,600.00	6,227.00	5,823.00	5,816.14	153.34	19.04	-74.32	4,620.01	900.96	4,091.92	4,028.88	63.04	64.914	
14,700.00	6,227.00	5,809.12	5,803.11	155.04	18.99	-73.90	4,622.92	897.18	4,184.52	4,121.68	62.84	66.587	
14,800.00	6,227.00	5,803.19	5,797.51	156.74	18.97	-73.72	4,624.11	895.62	4,277.45	4,214.78	62.67	68.256	
14,900.00	6,227.00	5,791.00	5,785.95	158.44	18.92	-73.34	4,626.45	892.54	4,370.69	4,308.18	62.50	69.930	
15,000.00	6,227.00	5,791.00	5,785.95	160.14	18.92	-73.34	4,626.45	892.54	4,464.15	4,401.79	62.36	71.586	
15,100.00	6,227.00	5,791.00	5,785.95	161.85	18.92	-73.34	4,626.45	892.54	4,557.90	4,495.67	62.23	73.239	
15,200.00	6,227.00	5,791.00	5,785.95	163.56	18.92	-73.34	4,626.45	892.54	4,651.91	4,589.79	62.12	74.887	
15,300.00	6,227.00	5,775.35	5,771.00	165.26	18.87	-72.86	4,629.26	888.83	4,746.07	4,684.08	61.99	76.558	
15,400.00	6,227.00	5,759.00	5,755.28	166.97	18.81	-72.36	4,631.97	885.29	4,840.53	4,778.66	61.87	78.236	
15,500.00	6,227.00	5,759.00	5,755.28	168.68	18.81	-72.36	4,631.97	885.29	4,935.12	4,873.33	61.79	79.872	
15,600.00	6,227.00	5,759.00	5,755.28	170.40	18.81	-72.36	4,631.97	885.29	5,029.92	4,968.20	61.71	81.504	
15,700.00	6,227.00	5,759.00	5,755.28	172.11	18.81	-72.36	4,631.97	885.29	5,124.91	5,063.26	61.65	83.131	
15,800.00	6,227.00	5,759.00	5,755.28	173.83	18.81	-72.36	4,631.97	885.29	5,220.09	5,158.50	61.59	84.753	
15,900.00	6,227.00	5,759.00	5,755.28	175.54	18.81	-72.36	4,631.97	885.29	5,315.45	5,253.91	61.54	86.370	
16,000.00	6,227.00	5,759.00	5,755.28	177.26	18.81	-72.36	4,631.97	885.29	5,410.98	5,349.48	61.50	87.983	
16,100.00	6,227.00	5,745.84	5,742.53	178.98	18.76	-71.95	4,633.95	882.69	5,506.58	5,445.14	61.44	89.632	
16,200.00	6,227.00	5,743.33	5,740.08	180.70	18.75	-71.87	4,634.30	882.22	5,602.38	5,540.98	61.40	91.244	
16,300.00	6,227.00	5,740.92	5,737.74	182.42	18.74	-71.79	4,634.63	881.78	5,698.31	5,636.94	61.37	92.852	
16,400.00	6,227.00	5,728.00	5,725.12	184.15	18.69	-71.39	4,636.29	879.55	5,794.44	5,733.12	61.32	94.498	
16,500.00	6,227.00	5,728.00	5,725.12	185.87	18.69	-71.39	4,636.29	879.55	5,890.61	5,829.31	61.30	96.088	
16,600.00	6,227.00	5,728.00	5,725.12	187.60	18.69	-71.39	4,636.29	879.55	5,986.91	5,925.61	61.30	97.673	
16,700.00	6,227.00	5,728.00	5,725.12	189.32	18.69	-71.39	4,636.29	879.55	6,083.33	6,022.04	61.29	99.253	
16,800.00	6,227.00	5,728.00	5,725.12	191.05	18.69	-71.39	4,636.29	879.55	6,179.86	6,118.57	61.29	100.828	
16,900.00	6,227.00	5,728.00	5,725.12	192.78	18.69	-71.39	4,636.29	879.55	6,276.50	6,215.20	61.30	102.398	
17,000.00	6,227.00	5,728.00	5,725.12	194.51	18.69	-71.39	4,636.29	879.55	6,373.24	6,311.94	61.30	103.963	
17,100.00	6,227.00	5,728.00	5,725.12	196.24	18.69	-71.39	4,636.29	879.55	6,470.08	6,408.77	61.31	105.524	
17,200.00	6,227.00	5,728.00	5,725.12	197.97	18.69	-71.39	4,636.29	879.55	6,567.02	6,505.69	61.33	107.079	
17,300.00	6,227.00	5,728.00	5,725.12	199.70	18.69	-71.39	4,636.29	879.55	6,664.05	6,602.70	61.35	108.630	
17,400.00	6,227.00	5,728.00	5,725.12	201.44	18.69	-71.39	4,636.29	879.55	6,761.16	6,699.80	61.37	110.176	
17,500.00	6,227.00	5,728.00	5,725.12	203.17	18.69	-71.39	4,636.29	879.55	6,858.36	6,796.97	61.39	111.718	
17,600.00	6,227.00	5,728.00	5,725.12	204.90	18.69	-71.39	4,636.29	879.55	6,955.64	6,894.22	61.42	113.254	
17,700.00	6,227.00	5,728.00	5,725.12	206.64	18.69	-71.39	4,636.29	879.55	7,052.99	6,991.55	61.44	114.786	
17,800.00	6,227.00	5,713.80	5,711.18	208.38	18.64	-70.94	4,637.89	877.34	7,150.31	7,088.88	61.43	116.389	
17,900.00	6,227.00	5,712.43	5,709.84	210.11	18.64	-70.90	4,638.03	877.14	7,247.78	7,186.32	61.46	117.920	
18,000.00	6,227.00	5,711.10	5,708.53	211.85	18.63	-70.86	4,638.17	876.95	7,345.32	7,283.83	61.49	119.447	
18,100.00	6,227.00	5,696.00	5,693.63	213.59	18.58	-70.38	4,639.55	874.94	7,443.03	7,381.54	61.49	121.052	
18,200.00	6,227.00	5,696.00	5,693.63	215.33	18.58	-70.38	4,639.55	874.94	7,540.68	7,479.15	61.53	122.562	
18,300.00	6,227.00	5,696.00	5,693.63	217.07	18.58	-70.38	4,639.55	874.94	7,638.39	7,576.82	61.57	124.068	
18,400.00	6,227.00	5,696.00	5,693.63	218.81	18.58	-70.38	4,639.55	874.94	7,736.15	7,674.54	61.61	125.569	
18,500.00	6,227.00	5,696.00	5,693.63	220.55	18.58	-70.38	4,639.55	874.94	7,833.98	7,772.32	61.65	127.066	
18,600.00	6,227.00	5,696.00	5,693.63	222.29	18.58	-70.38	4,639.55	874.94	7,931.85	7,870.15	61.70	128.558	
18,700.00	6,227.00	5,696.00	5,693.63	224.03	18.58	-70.38	4,639.55	874.94	8,029.78	7,968.04	61.75	130.045	
18,800.00	6,227.00	5,696.00	5,693.63	225.78	18.58	-70.38	4,639.55	874.94	8,127.76	8,065.97	61.80	131.528	
18,900.00	6,227.00	5,696.00	5,693.63	227.52	18.58	-70.38	4,639.55	874.94	8,225.79	8,163.95	61.85	133.006	
19,000.00	6,227.00	5,696.00	5,693.63	229.26	18.58	-70.38	4,639.55	874.94	8,323.87	8,261.97	61.90	134.480	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ SI 70 RANCH USX BB 25-99HZ - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 823-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,100.00	6,227.00	5,696.00	5,693.63	231.01	18.58	-70.38	4,639.55	874.94	8,421.99	8,360.04	61.95	135.949	
19,200.00	6,227.00	5,696.00	5,693.63	232.75	18.58	-70.38	4,639.55	874.94	8,520.15	8,458.15	62.00	137.413	
19,300.00	6,227.00	5,696.00	5,693.63	234.50	18.58	-70.38	4,639.55	874.94	8,618.36	8,556.30	62.06	138.873	
19,400.00	6,227.00	5,696.00	5,693.63	236.25	18.58	-70.38	4,639.55	874.94	8,716.61	8,654.49	62.12	140.329	
19,500.00	6,227.00	5,696.00	5,693.63	237.99	18.58	-70.38	4,639.55	874.94	8,814.89	8,752.72	62.17	141.780	
19,600.00	6,227.00	5,696.00	5,693.63	239.74	18.58	-70.38	4,639.55	874.94	8,913.22	8,850.99	62.23	143.227	
19,700.00	6,227.00	5,696.00	5,693.63	241.49	18.58	-70.38	4,639.55	874.94	9,011.58	8,949.29	62.29	144.669	
19,800.00	6,227.00	5,696.00	5,693.63	243.24	18.58	-70.38	4,639.55	874.94	9,109.98	9,047.63	62.35	146.107	
19,900.00	6,227.00	5,696.00	5,693.63	244.98	18.58	-70.38	4,639.55	874.94	9,208.41	9,146.00	62.41	147.540	
20,000.00	6,227.00	5,696.00	5,693.63	246.73	18.58	-70.38	4,639.55	874.94	9,306.88	9,244.40	62.48	148.969	
20,100.00	6,227.00	5,696.00	5,693.63	248.48	18.58	-70.38	4,639.55	874.94	9,405.37	9,342.84	62.54	150.393	
20,200.00	6,227.00	5,696.00	5,693.63	250.23	18.58	-70.38	4,639.55	874.94	9,503.90	9,441.30	62.60	151.813	
20,300.00	6,227.00	5,696.00	5,693.63	251.98	18.58	-70.38	4,639.55	874.94	9,602.46	9,539.80	62.67	153.228	
20,400.00	6,227.00	5,696.00	5,693.63	253.73	18.58	-70.38	4,639.55	874.94	9,701.05	9,638.32	62.73	154.639	
20,500.00	6,227.00	5,696.00	5,693.63	255.49	18.58	-70.38	4,639.55	874.94	9,799.67	9,736.87	62.80	156.046	
20,600.00	6,227.00	5,696.00	5,693.63	257.24	18.58	-70.38	4,639.55	874.94	9,898.32	9,835.45	62.87	157.448	
20,700.00	6,227.00	5,696.00	5,693.63	258.99	18.58	-70.38	4,639.55	874.94	9,996.99	9,934.05	62.93	158.846	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
SEC 36-T5N-R63W - EXIST HZ SI 70 RANCH USX BB25-68HN - OWB - FINAL SURVEY												Offset Well Error:	0.00 usft
Survey Program: 591-MWD OWSG													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	19.00	19.00	0.00	0.03	-1.25	5,049.33	-110.06	5,050.53				
100.00	100.00	119.00	119.00	0.27	0.20	-1.25	5,049.33	-110.06	5,050.53	5,050.06	0.47	N/A	
200.00	200.00	219.00	219.00	0.63	0.38	-1.25	5,049.33	-110.06	5,050.53	5,049.53	1.00	5,030.850	
300.00	300.00	319.00	319.00	0.99	0.55	-1.25	5,049.33	-110.06	5,050.53	5,049.00	1.53	3,291.661	
400.00	400.00	419.00	419.00	1.34	0.72	-1.25	5,049.33	-110.06	5,050.53	5,048.46	2.06	2,446.050	
500.00	499.98	518.98	518.98	1.70	0.89	-83.32	5,049.33	-110.06	5,050.33	5,047.74	2.59	1,950.821	
600.00	599.84	600.10	600.10	2.05	1.05	-83.38	5,049.35	-110.05	5,049.77	5,046.67	3.10	1,630.335	
700.00	699.45	674.22	674.22	2.41	1.31	-83.45	5,049.94	-109.80	5,049.52	5,045.79	3.73	1,355.459	
800.00	798.70	766.13	766.12	2.79	1.64	-83.59	5,050.82	-109.68	5,049.09	5,044.66	4.43	1,139.063	
900.00	897.47	857.53	857.52	3.19	1.97	-83.76	5,051.81	-109.79	5,048.45	5,043.29	5.16	978.395	
1,000.00	995.62	948.30	948.28	3.62	2.29	-83.98	5,052.93	-110.11	5,047.64	5,041.73	5.91	853.679	
1,100.00	1,093.06	1,052.88	1,052.85	4.09	2.66	-84.27	5,054.26	-110.60	5,046.59	5,039.84	6.75	747.761	
1,200.00	1,189.64	1,163.08	1,163.04	4.59	3.06	-84.62	5,055.39	-110.87	5,045.08	5,037.43	7.65	659.905	
1,300.00	1,285.27	1,272.31	1,272.27	5.14	3.45	-85.02	5,056.23	-110.85	5,043.12	5,034.54	8.58	587.500	
1,400.00	1,379.82	1,351.00	1,350.96	5.74	3.73	-85.35	5,056.67	-110.67	5,040.87	5,031.40	9.47	532.545	
1,500.00	1,473.17	1,448.52	1,448.48	6.40	4.08	-85.78	5,057.32	-110.43	5,038.63	5,028.16	10.47	481.163	
1,600.00	1,565.21	1,523.85	1,523.81	7.12	4.34	-86.15	5,058.10	-110.33	5,036.77	5,025.31	11.46	439.520	
1,614.66	1,578.59	1,534.80	1,534.75	7.23	4.38	-86.21	5,058.24	-110.32	5,036.53	5,024.92	11.61	433.846	
1,700.00	1,656.38	1,598.42	1,598.37	7.88	4.61	-86.51	5,059.13	-110.31	5,035.38	5,022.89	12.49	403.072	
1,800.00	1,747.52	1,689.49	1,689.43	8.67	4.94	-86.93	5,060.60	-110.31	5,034.55	5,020.94	13.60	370.078	
1,900.00	1,838.67	1,796.80	1,796.72	9.47	5.32	-87.43	5,062.11	-109.95	5,033.83	5,019.04	14.79	340.420	
2,000.00	1,929.81	1,904.46	1,904.37	10.28	5.70	-87.92	5,063.32	-109.15	5,033.15	5,017.17	15.98	314.929	
2,100.00	2,020.96	2,096.43	2,096.07	11.10	6.37	-88.72	5,063.46	-99.99	5,031.09	5,013.62	17.47	287.973	
2,200.00	2,112.10	2,450.68	2,447.49	11.92	7.65	-89.95	5,054.07	-57.52	5,025.56	5,006.02	19.53	257.260	
2,300.00	2,203.25	2,516.16	2,512.22	12.75	7.90	-90.16	5,051.14	-48.08	5,018.93	4,998.31	20.62	243.458	
2,400.00	2,294.39	2,586.00	2,581.23	13.59	8.17	-90.38	5,048.71	-37.61	5,013.22	4,991.50	21.72	230.836	
2,500.00	2,385.54	2,685.11	2,678.97	14.43	8.56	-90.68	5,045.64	-21.51	5,007.96	4,985.02	22.94	218.326	
2,600.00	2,476.68	2,731.77	2,725.05	15.27	8.74	-90.82	5,044.27	-14.30	5,003.05	4,979.08	23.97	208.740	
2,700.00	2,567.83	2,776.00	2,768.90	16.11	8.91	-90.97	5,043.20	-8.59	4,999.21	4,974.22	24.99	200.053	
2,800.00	2,658.97	2,809.04	2,801.74	16.96	9.04	-91.09	5,042.68	-5.00	4,996.63	4,970.67	25.96	192.438	
2,900.00	2,750.12	2,871.00	2,863.46	17.80	9.27	-91.33	5,042.75	0.30	4,995.81	4,968.77	27.04	184.723	
2,951.26	2,796.84	2,871.00	2,863.46	18.24	9.27	-91.33	5,042.75	0.30	4,995.55	4,968.07	27.48	181.783	
3,000.00	2,841.26	2,871.00	2,863.46	18.65	9.27	-91.33	5,042.75	0.30	4,995.79	4,967.89	27.89	179.105	
3,100.00	2,932.41	3,015.24	3,007.57	19.50	9.79	-91.95	5,042.84	6.07	4,996.41	4,967.15	29.25	170.807	
3,200.00	3,023.55	3,101.86	3,094.17	20.35	10.09	-92.34	5,042.04	7.65	4,996.78	4,966.39	30.40	164.388	
3,300.00	3,114.70	3,157.00	3,149.31	21.21	10.28	-92.60	5,041.70	8.21	4,997.92	4,966.49	31.43	159.017	
3,400.00	3,205.84	3,249.81	3,242.11	22.06	10.59	-93.03	5,041.34	8.60	4,999.66	4,967.07	32.58	153.437	
3,500.00	3,296.99	3,331.18	3,323.48	22.92	10.86	-93.41	5,041.13	8.55	5,001.92	4,968.22	33.70	148.428	
3,600.00	3,388.13	3,412.23	3,404.54	23.77	11.13	-93.80	5,041.00	8.14	5,004.70	4,969.89	34.81	143.765	
3,700.00	3,479.28	3,496.49	3,488.79	24.63	11.41	-94.20	5,040.95	7.39	5,008.00	4,972.07	35.93	139.376	
3,800.00	3,570.42	3,582.65	3,574.94	25.48	11.70	-94.62	5,040.96	6.49	5,011.73	4,974.67	37.06	135.249	
3,900.00	3,661.57	3,668.71	3,661.00	26.34	11.98	-95.03	5,041.02	5.48	5,015.89	4,977.72	38.18	131.384	
4,000.00	3,752.71	3,757.03	3,749.31	27.20	12.28	-95.46	5,041.14	4.35	5,020.49	4,981.18	39.31	127.721	
4,100.00	3,843.86	3,850.84	3,843.12	28.05	12.60	-95.90	5,041.32	3.49	5,025.41	4,984.95	40.46	124.196	
4,200.00	3,935.00	3,945.10	3,937.38	28.91	12.93	-96.35	5,041.58	3.12	5,030.62	4,989.00	41.62	120.875	
4,300.00	4,026.15	4,037.43	4,029.71	29.77	13.25	-96.77	5,041.90	3.22	5,036.10	4,993.33	42.77	117.757	
4,400.00	4,117.29	4,123.60	4,115.88	30.63	13.55	-97.17	5,042.29	3.50	5,041.96	4,998.06	43.90	114.859	
4,500.00	4,208.44	4,209.85	4,202.13	31.49	13.85	-97.57	5,042.80	3.85	5,048.23	5,003.21	45.02	112.122	
4,600.00	4,299.58	4,300.00	4,292.27	32.35	14.17	-97.98	5,043.45	4.30	5,054.92	5,008.76	46.16	109.499	
4,700.00	4,390.73	4,373.31	4,365.58	33.21	14.43	-98.31	5,044.13	4.65	5,062.09	5,014.85	47.24	107.161	
4,800.00	4,481.88	4,449.95	4,442.21	34.07	14.70	-98.66	5,045.03	4.93	5,069.84	5,021.52	48.32	104.919	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ SI 70 RANCH USX BB25-68HN - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 591-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,900.00	4,573.02	4,526.53	4,518.78	34.93	14.97	-99.01	5,046.13	5.11	5,078.18	5,028.78	49.40	102.795	
5,000.00	4,664.17	7,786.47	6,347.26	35.79	51.33	-89.55	5,030.66	1,759.01	5,084.59	5,002.41	82.19	61.865	
5,100.00	4,755.31	7,835.91	6,347.06	36.65	52.55	-89.01	5,029.36	1,808.43	5,049.02	4,964.44	84.58	59.693	
5,200.00	4,846.46	7,869.45	6,346.91	37.51	53.38	-88.65	5,028.46	1,841.96	5,014.84	4,928.21	86.63	57.888	
5,300.00	4,937.60	7,898.60	6,346.81	38.37	54.11	-88.33	5,027.74	1,871.10	4,982.20	4,893.62	88.58	56.245	
5,400.00	5,028.75	7,927.94	6,346.76	39.23	54.84	-88.00	5,027.06	1,900.44	4,951.12	4,860.59	90.53	54.690	
5,500.00	5,119.89	7,942.00	6,346.75	40.09	55.19	-87.85	5,026.76	1,914.49	4,921.67	4,829.55	92.12	53.426	
5,600.00	5,211.04	7,942.00	6,346.75	40.96	55.19	-87.85	5,026.76	1,914.49	4,894.06	4,800.69	93.37	52.414	
5,700.00	5,302.18	7,974.80	6,346.81	41.82	56.01	-87.49	5,026.29	1,947.29	4,868.00	4,772.62	95.38	51.038	
5,800.00	5,393.33	7,988.03	6,346.87	42.68	56.34	-87.34	5,026.22	1,960.52	4,843.88	4,746.97	96.91	49.983	
5,900.00	5,484.47	8,001.39	6,346.97	43.54	56.68	-87.19	5,026.23	1,973.87	4,821.60	4,723.18	98.42	48.988	
6,000.00	5,575.62	8,037.00	6,347.34	44.40	57.57	-86.80	5,026.62	2,009.48	4,801.34	4,700.89	100.45	47.798	
6,100.00	5,666.76	8,037.00	6,347.34	45.26	57.57	-86.80	5,026.62	2,009.48	4,782.68	4,681.08	101.60	47.075	
6,175.79	5,735.84	8,037.00	6,347.34	45.92	57.57	-86.80	5,026.62	2,009.48	4,769.88	4,667.44	102.44	46.561	
6,200.00	5,757.87	8,037.00	6,347.34	46.13	57.57	-81.61	5,026.62	2,009.48	4,765.54	4,662.83	102.71	46.398	
6,250.00	5,803.02	8,063.82	6,347.57	46.56	58.25	-71.43	5,027.16	2,036.30	4,753.68	4,649.77	103.91	45.748	
6,300.00	5,847.42	8,078.47	6,347.59	46.99	58.62	-62.81	5,027.48	2,050.95	4,738.09	4,633.30	104.79	45.214	
6,350.00	5,890.72	8,092.61	6,347.55	47.41	58.97	-55.72	5,027.82	2,065.08	4,718.82	4,613.18	105.64	44.669	
6,400.00	5,932.60	8,106.18	6,347.46	47.83	59.31	-50.01	5,028.17	2,078.64	4,695.99	4,589.54	106.44	44.117	
6,450.00	5,972.74	8,132.00	6,347.10	48.23	59.97	-45.30	5,028.89	2,104.45	4,669.74	4,562.22	107.52	43.431	
6,500.00	6,010.83	8,132.00	6,347.10	48.61	59.97	-41.87	5,028.89	2,104.45	4,640.16	4,532.23	107.93	42.992	
6,550.00	6,046.58	8,148.42	6,346.82	48.98	60.38	-38.99	5,029.37	2,120.87	4,607.48	4,498.77	108.71	42.382	
6,600.00	6,079.73	8,164.84	6,346.54	49.33	60.80	-36.74	5,029.84	2,137.27	4,571.86	4,462.40	109.46	41.768	
6,650.00	6,110.01	8,180.10	6,346.28	49.67	61.18	-35.04	5,030.28	2,152.53	4,533.52	4,423.37	110.14	41.161	
6,700.00	6,137.21	8,194.09	6,346.06	49.98	61.54	-33.85	5,030.68	2,166.51	4,492.68	4,381.93	110.75	40.564	
6,750.00	6,161.10	8,206.69	6,345.86	50.28	61.86	-33.16	5,031.04	2,179.10	4,449.62	4,338.32	111.30	39.980	
6,800.00	6,181.52	8,217.80	6,345.69	50.55	62.14	-33.06	5,031.35	2,190.20	4,404.60	4,292.84	111.77	39.409	
6,850.00	6,198.29	8,227.33	6,345.54	50.81	62.38	-33.74	5,031.62	2,199.73	4,357.94	4,245.78	112.16	38.854	
6,900.00	6,211.31	8,227.00	6,345.55	51.05	62.37	-36.14	5,031.61	2,199.40	4,309.95	4,197.66	112.29	38.383	
6,950.00	6,220.46	8,227.00	6,345.55	51.27	62.37	-41.91	5,031.61	2,199.40	4,260.97	4,148.58	112.39	37.913	
7,000.00	6,225.68	8,227.00	6,345.55	51.47	62.37	-60.35	5,031.61	2,199.40	4,211.34	4,098.88	112.46	37.449	
7,040.67	6,227.00	8,241.07	6,345.36	51.63	62.73	-120.94	5,032.02	2,213.47	4,170.71	4,057.89	112.82	36.967	
7,100.00	6,227.00	8,242.76	6,345.34	51.85	62.77	-121.19	5,032.07	2,215.15	4,111.45	3,998.55	112.89	36.419	
7,200.00	6,227.00	8,245.62	6,345.31	52.25	62.85	-121.63	5,032.15	2,218.01	4,011.56	3,898.54	113.01	35.496	
7,300.00	6,227.00	8,248.53	6,345.28	52.70	62.92	-122.09	5,032.24	2,220.92	3,911.67	3,798.53	113.14	34.574	
7,400.00	6,227.00	8,251.48	6,345.25	53.18	63.00	-122.57	5,032.33	2,223.87	3,811.79	3,698.52	113.26	33.654	
7,500.00	6,227.00	8,254.46	6,345.23	53.71	63.07	-123.07	5,032.42	2,226.85	3,711.91	3,598.51	113.39	32.735	
7,600.00	6,227.00	8,257.49	6,345.21	54.28	63.15	-123.59	5,032.51	2,229.88	3,612.03	3,498.51	113.52	31.818	
7,700.00	6,227.00	8,260.56	6,345.19	54.89	63.23	-124.13	5,032.61	2,232.94	3,512.15	3,398.50	113.65	30.903	
7,800.00	6,227.00	8,263.67	6,345.17	55.55	63.31	-124.70	5,032.71	2,236.05	3,412.28	3,298.50	113.79	29.989	
7,900.00	6,227.00	8,266.83	6,345.15	56.25	63.39	-125.30	5,032.81	2,239.21	3,312.41	3,198.49	113.92	29.076	
8,000.00	6,227.00	8,270.03	6,345.14	56.99	63.47	-125.92	5,032.91	2,242.41	3,212.55	3,098.49	114.06	28.166	
8,100.00	6,227.00	8,273.27	6,345.12	57.78	63.55	-126.57	5,033.01	2,245.65	3,112.69	2,998.49	114.20	27.257	
8,200.00	6,227.00	8,276.57	6,345.12	58.62	63.63	-127.26	5,033.12	2,248.94	3,012.84	2,898.50	114.34	26.350	
8,300.00	6,227.00	8,279.91	6,345.11	59.49	63.72	-127.97	5,033.23	2,252.28	2,912.99	2,798.50	114.48	25.444	
8,400.00	6,227.00	8,283.30	6,345.11	60.41	63.81	-128.72	5,033.34	2,255.67	2,813.14	2,698.51	114.63	24.541	
8,500.00	6,227.00	8,286.73	6,345.10	61.37	63.89	-129.51	5,033.46	2,259.10	2,713.30	2,598.53	114.78	23.640	
8,600.00	6,227.00	8,290.22	6,345.11	62.37	63.98	-130.35	5,033.58	2,262.59	2,613.47	2,498.54	114.93	22.740	
8,700.00	6,227.00	8,293.76	6,345.11	63.41	64.07	-131.22	5,033.70	2,266.13	2,513.65	2,398.57	115.08	21.843	
8,800.00	6,227.00	8,297.36	6,345.12	64.49	64.16	-132.14	5,033.82	2,269.72	2,413.83	2,298.60	115.23	20.947	
8,900.00	6,227.00	8,301.00	6,345.13	65.60	64.26	-133.11	5,033.95	2,273.37	2,314.02	2,198.63	115.39	20.054	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ SI 70 RANCH USX BB25-68HN - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 591-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	8,304.71	6,345.15	66.74	64.35	-134.13	5,034.08	2,277.07	2,214.22	2,098.68	115.55	19.163	
9,100.00	6,227.00	8,308.47	6,345.17	67.92	64.45	-135.21	5,034.21	2,280.82	2,114.44	1,998.73	115.71	18.274	
9,200.00	6,227.00	8,312.28	6,345.19	69.13	64.54	-136.35	5,034.35	2,284.64	2,014.66	1,898.79	115.87	17.388	
9,300.00	6,227.00	8,322.00	6,345.27	70.37	64.79	-139.45	5,034.70	2,294.35	1,914.91	1,798.84	116.07	16.497	
9,400.00	6,227.00	8,322.00	6,345.27	71.63	64.79	-139.45	5,034.70	2,294.35	1,815.16	1,698.95	116.20	15.620	
9,500.00	6,227.00	8,325.61	6,345.30	72.92	64.88	-140.68	5,034.84	2,297.95	1,715.43	1,599.07	116.36	14.742	
9,600.00	6,227.00	8,332.27	6,345.35	74.23	65.05	-143.07	5,035.07	2,304.61	1,615.72	1,499.19	116.53	13.865	
9,700.00	6,227.00	8,338.64	6,345.37	75.57	65.22	-145.50	5,035.30	2,310.98	1,516.02	1,399.34	116.68	12.993	
9,800.00	6,227.00	8,344.74	6,345.39	76.93	65.37	-147.95	5,035.50	2,317.07	1,416.35	1,299.53	116.82	12.124	
9,900.00	6,227.00	8,350.57	6,345.39	78.31	65.52	-150.43	5,035.70	2,322.90	1,316.71	1,199.77	116.95	11.259	
10,000.00	6,227.00	8,356.17	6,345.37	79.71	65.67	-152.92	5,035.87	2,328.50	1,217.11	1,100.06	117.05	10.398	
10,100.00	6,227.00	8,361.54	6,345.35	81.12	65.80	-155.42	5,036.04	2,333.86	1,117.56	1,000.42	117.14	9.541	
10,200.00	6,227.00	8,366.69	6,345.32	82.55	65.94	-157.92	5,036.20	2,339.01	1,018.07	900.88	117.19	8.687	
10,300.00	6,227.00	8,371.64	6,345.28	84.00	66.06	-160.41	5,036.34	2,343.96	918.68	801.46	117.22	7.837	
10,400.00	6,227.00	8,376.40	6,345.23	85.46	66.18	-162.87	5,036.48	2,348.72	819.41	702.22	117.19	6.992	
10,500.00	6,227.00	8,380.98	6,345.18	86.94	66.30	-165.31	5,036.61	2,353.30	720.31	603.22	117.10	6.152	
10,600.00	6,227.00	8,385.40	6,345.12	88.43	66.41	-167.71	5,036.73	2,357.71	621.48	504.60	116.89	5.317	
10,700.00	6,227.00	8,389.65	6,345.05	89.93	66.52	-170.07	5,036.84	2,361.96	523.06	406.58	116.48	4.490	
10,800.00	6,227.00	8,393.75	6,344.99	91.44	66.63	-172.38	5,036.95	2,366.06	425.34	309.63	115.71	3.676	
10,900.00	6,227.00	8,397.71	6,344.91	92.96	66.73	-174.63	5,037.05	2,370.02	328.96	214.83	114.12	2.882	
11,000.00	6,227.00	8,401.53	6,344.84	94.50	66.83	-176.83	5,037.14	2,373.84	235.54	125.21	110.33	2.135	
11,100.00	6,227.00	8,405.22	6,344.76	96.04	66.92	-178.96	5,037.23	2,377.53	150.73	52.00	98.73	1.527	
11,200.00	6,227.00	8,408.79	6,344.68	97.59	67.01	-178.97	5,037.31	2,381.09	99.69	33.90	65.78	1.515	
11,214.00	6,227.00	8,409.28	6,344.67	97.81	67.03	-178.68	5,037.32	2,381.58	98.70	34.17	64.53	1.530 CC	
11,300.00	6,227.00	8,412.24	6,344.60	99.15	67.10	-176.96	5,037.39	2,384.54	130.88	33.57	97.31	1.345 Level 3, ES, SF	
11,400.00	6,227.00	8,415.58	6,344.52	100.72	67.19	-175.03	5,037.47	2,387.88	210.47	97.51	112.96	1.863	
11,500.00	6,227.00	8,418.83	6,344.44	102.30	67.27	-173.16	5,037.54	2,391.13	302.40	185.28	117.12	2.582	
11,600.00	6,227.00	8,422.09	6,344.35	103.88	67.35	-171.29	5,037.61	2,394.38	398.21	279.54	118.68	3.355	
11,700.00	6,227.00	8,425.37	6,344.27	105.47	67.44	-169.43	5,037.68	2,397.66	495.66	376.23	119.43	4.150	
11,743.45	6,227.00	8,426.81	6,344.24	106.17	67.48	-168.62	5,037.71	2,399.10	538.29	418.64	119.65	4.499	
11,808.25	6,227.00	8,428.21	6,344.20	107.20	67.51	-175.06	5,037.74	2,400.50	602.09	482.21	119.89	5.022	
11,900.00	6,227.00	8,429.16	6,344.18	108.66	67.54	-174.51	5,037.76	2,401.45	692.77	572.67	120.09	5.769	
12,000.00	6,227.00	8,430.21	6,344.15	110.26	67.56	-173.91	5,037.79	2,402.50	791.88	671.62	120.25	6.585	
12,100.00	6,227.00	8,431.26	6,344.13	111.86	67.59	-173.30	5,037.81	2,403.55	891.18	770.81	120.37	7.403	
12,200.00	6,227.00	8,432.32	6,344.10	113.47	67.62	-172.69	5,037.83	2,404.61	990.63	870.15	120.47	8.223	
12,300.00	6,227.00	8,433.39	6,344.08	115.08	67.65	-172.07	5,037.86	2,405.68	1,090.17	969.61	120.56	9.042	
12,400.00	6,227.00	8,434.46	6,344.05	116.70	67.67	-171.45	5,037.88	2,406.75	1,189.80	1,069.15	120.64	9.862	
12,500.00	6,227.00	8,435.55	6,344.03	118.33	67.70	-170.83	5,037.91	2,407.84	1,289.47	1,168.76	120.72	10.682	
12,600.00	6,227.00	8,436.64	6,344.00	119.96	67.73	-170.21	5,037.93	2,408.93	1,389.20	1,268.41	120.79	11.501	
12,700.00	6,227.00	8,437.74	6,343.97	121.60	67.76	-169.58	5,037.96	2,410.03	1,488.96	1,368.10	120.86	12.320	
12,800.00	6,227.00	8,438.85	6,343.95	123.24	67.79	-168.95	5,037.98	2,411.14	1,588.75	1,467.82	120.93	13.138	
12,900.00	6,227.00	8,439.97	6,343.92	124.88	67.81	-168.32	5,038.01	2,412.26	1,688.56	1,567.56	121.00	13.955	
13,000.00	6,227.00	8,441.10	6,343.90	126.53	67.84	-167.69	5,038.03	2,413.38	1,788.40	1,667.33	121.07	14.772	
13,100.00	6,227.00	8,442.24	6,343.87	128.18	67.87	-167.05	5,038.06	2,414.52	1,888.25	1,767.11	121.14	15.588	
13,200.00	6,227.00	8,443.38	6,343.84	129.84	67.90	-166.41	5,038.08	2,415.66	1,988.11	1,866.90	121.21	16.402	
13,300.00	6,227.00	8,444.53	6,343.82	131.50	67.93	-165.77	5,038.11	2,416.82	2,087.99	1,966.71	121.28	17.216	
13,400.00	6,227.00	8,445.70	6,343.79	133.16	67.96	-165.13	5,038.14	2,417.98	2,187.88	2,066.53	121.35	18.029	
13,500.00	6,227.00	8,446.87	6,343.77	134.83	67.99	-164.49	5,038.16	2,419.15	2,287.77	2,166.35	121.42	18.841	
13,600.00	6,227.00	8,448.05	6,343.74	136.50	68.02	-163.84	5,038.19	2,420.33	2,387.68	2,266.18	121.50	19.652	
13,700.00	6,227.00	8,449.24	6,343.71	138.17	68.05	-163.20	5,038.22	2,421.52	2,487.59	2,366.02	121.57	20.462	
13,800.00	6,227.00	8,450.44	6,343.69	139.85	68.08	-162.55	5,038.25	2,422.72	2,587.51	2,465.87	121.64	21.271	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ SI 70 RANCH USX BB25-68HN - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 591-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
13,900.00	6,227.00	8,451.65	6,343.66	141.53	68.12	161.90	5,038.27	2,423.93	2,687.44	2,565.72	121.72	22.079	
14,000.00	6,227.00	8,452.87	6,343.63	143.21	68.15	161.25	5,038.30	2,425.15	2,787.37	2,665.57	121.80	22.886	
14,100.00	6,227.00	8,454.10	6,343.61	144.89	68.18	160.60	5,038.33	2,426.38	2,887.30	2,765.43	121.87	23.691	
14,200.00	6,227.00	8,455.34	6,343.58	146.58	68.21	159.95	5,038.36	2,427.62	2,987.24	2,865.29	121.95	24.496	
14,300.00	6,227.00	8,456.59	6,343.56	148.26	68.24	159.30	5,038.39	2,428.87	3,087.18	2,965.15	122.03	25.299	
14,400.00	6,227.00	8,457.85	6,343.53	149.96	68.27	158.65	5,038.42	2,430.13	3,187.12	3,065.01	122.11	26.101	
14,500.00	6,227.00	8,459.12	6,343.50	151.65	68.31	158.00	5,038.45	2,431.40	3,287.07	3,164.88	122.19	26.901	
14,600.00	6,227.00	8,460.40	6,343.48	153.34	68.34	157.35	5,038.48	2,432.68	3,387.02	3,264.75	122.27	27.701	
14,700.00	6,227.00	8,461.70	6,343.45	155.04	68.37	156.70	5,038.51	2,433.97	3,486.97	3,364.62	122.35	28.499	
14,800.00	6,227.00	8,463.00	6,343.42	156.74	68.41	156.06	5,038.54	2,435.27	3,586.93	3,464.49	122.44	29.296	
14,900.00	6,227.00	8,464.31	6,343.40	158.44	68.44	155.41	5,038.57	2,436.58	3,686.88	3,564.36	122.52	30.092	
15,000.00	6,227.00	8,465.64	6,343.37	160.14	68.47	154.76	5,038.60	2,437.91	3,786.84	3,664.24	122.60	30.887	
15,100.00	6,227.00	8,466.97	6,343.34	161.85	68.51	154.12	5,038.63	2,439.24	3,886.80	3,764.11	122.69	31.680	
15,200.00	6,227.00	8,468.32	6,343.32	163.56	68.54	153.47	5,038.66	2,440.59	3,986.77	3,863.99	122.78	32.472	
15,300.00	6,227.00	8,469.68	6,343.29	165.26	68.58	152.83	5,038.70	2,441.95	4,086.73	3,963.87	122.86	33.262	
15,400.00	6,227.00	8,471.05	6,343.26	166.97	68.61	152.19	5,038.73	2,443.32	4,186.69	4,063.74	122.95	34.051	
15,500.00	6,227.00	8,472.43	6,343.24	168.68	68.65	151.55	5,038.76	2,444.70	4,286.66	4,163.62	123.04	34.839	
15,600.00	6,227.00	8,473.82	6,343.21	170.40	68.69	150.91	5,038.79	2,446.09	4,386.63	4,263.50	123.13	35.626	
15,700.00	6,227.00	8,475.23	6,343.18	172.11	68.72	150.27	5,038.83	2,447.50	4,486.60	4,363.37	123.22	36.411	
15,800.00	6,227.00	8,476.65	6,343.16	173.83	68.76	149.64	5,038.86	2,448.92	4,586.56	4,463.25	123.31	37.194	
15,900.00	6,227.00	8,478.08	6,343.13	175.54	68.79	149.01	5,038.90	2,450.35	4,686.54	4,563.13	123.41	37.976	
16,000.00	6,227.00	8,479.52	6,343.10	177.26	68.83	148.38	5,038.93	2,451.79	4,786.51	4,663.01	123.50	38.757	
16,100.00	6,227.00	8,480.98	6,343.08	178.98	68.87	147.76	5,038.97	2,453.24	4,886.48	4,762.88	123.59	39.536	
16,200.00	6,227.00	8,482.45	6,343.05	180.70	68.91	147.13	5,039.00	2,454.71	4,986.45	4,862.76	123.69	40.314	
16,300.00	6,227.00	8,483.93	6,343.02	182.42	68.95	146.51	5,039.04	2,456.19	5,086.42	4,962.64	123.79	41.090	
16,400.00	6,227.00	8,485.43	6,343.00	184.15	68.98	145.90	5,039.07	2,457.69	5,186.40	5,062.52	123.88	41.865	
16,500.00	6,227.00	8,486.94	6,342.97	185.87	69.02	145.28	5,039.11	2,459.20	5,286.37	5,162.39	123.98	42.639	
16,600.00	6,227.00	8,488.46	6,342.94	187.60	69.06	144.67	5,039.15	2,460.72	5,386.35	5,262.27	124.08	43.410	
16,700.00	6,227.00	8,489.99	6,342.92	189.32	69.10	144.06	5,039.19	2,462.26	5,486.33	5,362.15	124.18	44.180	
16,800.00	6,227.00	8,491.54	6,342.89	191.05	69.14	143.46	5,039.22	2,463.80	5,586.30	5,462.02	124.28	44.949	
16,900.00	6,227.00	8,493.11	6,342.86	192.78	69.18	142.86	5,039.26	2,465.37	5,686.28	5,561.90	124.38	45.716	
17,000.00	6,227.00	8,494.69	6,342.84	194.51	69.22	142.26	5,039.30	2,466.95	5,786.26	5,661.77	124.49	46.482	
17,100.00	6,227.00	8,496.28	6,342.81	196.24	69.26	141.67	5,039.34	2,468.54	5,886.23	5,761.64	124.59	47.245	
17,200.00	6,227.00	8,497.89	6,342.79	197.97	69.30	141.08	5,039.38	2,470.15	5,986.21	5,861.52	124.69	48.008	
17,300.00	6,227.00	8,499.51	6,342.76	199.70	69.35	140.50	5,039.42	2,471.77	6,086.19	5,961.39	124.80	48.768	
17,400.00	6,227.00	8,501.15	6,342.73	201.44	69.39	139.92	5,039.46	2,473.41	6,186.17	6,061.26	124.91	49.527	
17,500.00	6,227.00	8,502.81	6,342.71	203.17	69.43	139.34	5,039.50	2,475.06	6,286.15	6,161.14	125.01	50.284	
17,600.00	6,227.00	8,504.48	6,342.68	204.90	69.47	138.77	5,039.54	2,476.73	6,386.13	6,261.01	125.12	51.040	
17,700.00	6,227.00	8,506.16	6,342.66	206.64	69.52	138.20	5,039.59	2,478.42	6,486.11	6,360.88	125.23	51.794	
17,800.00	6,227.00	8,507.86	6,342.63	208.38	69.56	137.64	5,039.63	2,480.12	6,586.09	6,460.75	125.34	52.546	
17,900.00	6,227.00	8,509.58	6,342.61	210.11	69.61	137.08	5,039.67	2,481.83	6,686.07	6,560.62	125.45	53.296	
18,000.00	6,227.00	8,511.32	6,342.58	211.85	69.65	136.53	5,039.72	2,483.57	6,786.05	6,660.49	125.56	54.045	
18,100.00	6,227.00	8,513.07	6,342.55	213.59	69.69	135.98	5,039.76	2,485.32	6,886.03	6,760.35	125.68	54.791	
18,200.00	6,227.00	8,514.84	6,342.53	215.33	69.74	135.43	5,039.81	2,487.09	6,986.01	6,860.22	125.79	55.536	
18,300.00	6,227.00	8,516.62	6,342.50	217.07	69.79	134.89	5,039.85	2,488.87	7,085.99	6,960.09	125.91	56.280	
18,400.00	6,227.00	8,518.42	6,342.48	218.81	69.83	134.36	5,039.90	2,490.67	7,185.97	7,059.95	126.02	57.021	
18,500.00	6,227.00	8,520.25	6,342.45	220.55	69.88	133.82	5,039.94	2,492.49	7,285.96	7,159.82	126.14	57.761	
18,600.00	6,227.00	8,522.09	6,342.43	222.29	69.93	133.30	5,039.99	2,494.33	7,385.94	7,259.68	126.26	58.498	
18,700.00	6,227.00	8,523.94	6,342.41	224.03	69.97	132.78	5,040.04	2,496.19	7,485.92	7,359.54	126.38	59.234	
18,800.00	6,227.00	8,525.82	6,342.38	225.78	70.02	132.26	5,040.09	2,498.06	7,585.90	7,459.40	126.50	59.968	
18,900.00	6,227.00	8,527.71	6,342.36	227.52	70.07	131.75	5,040.14	2,499.96	7,685.88	7,559.26	126.62	60.700	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 591-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,000.00	6,227.00	8,529.63	6,342.33	229.26	70.12	131.24	5,040.19	2,501.87	7,785.87	7,659.12	126.74	61.430	
19,100.00	6,227.00	8,512.00	6,342.57	231.01	69.67	136.31	5,039.73	2,484.25	7,885.87	7,759.85	126.01	62.580	
19,200.00	6,227.00	8,512.00	6,342.57	232.75	69.67	136.31	5,039.73	2,484.25	7,985.85	7,859.80	126.05	63.353	
19,300.00	6,227.00	8,512.00	6,342.57	234.50	69.67	136.31	5,039.73	2,484.25	8,085.84	7,959.74	126.10	64.124	
19,400.00	6,227.00	8,512.00	6,342.57	236.25	69.67	136.31	5,039.73	2,484.25	8,185.82	8,059.69	126.14	64.895	
19,500.00	6,227.00	8,512.00	6,342.57	237.99	69.67	136.31	5,039.73	2,484.25	8,285.81	8,159.63	126.18	65.665	
19,600.00	6,227.00	8,512.00	6,342.57	239.74	69.67	136.31	5,039.73	2,484.25	8,385.80	8,259.57	126.23	66.435	
19,700.00	6,227.00	8,512.00	6,342.57	241.49	69.67	136.31	5,039.73	2,484.25	8,485.79	8,359.52	126.27	67.203	
19,800.00	6,227.00	8,512.00	6,342.57	243.24	69.67	136.31	5,039.73	2,484.25	8,585.77	8,459.46	126.32	67.971	
19,900.00	6,227.00	8,512.00	6,342.57	244.98	69.67	136.31	5,039.73	2,484.25	8,685.76	8,559.40	126.36	68.738	
20,000.00	6,227.00	8,512.00	6,342.57	246.73	69.67	136.31	5,039.73	2,484.25	8,785.75	8,659.34	126.41	69.504	
20,100.00	6,227.00	8,512.00	6,342.57	248.48	69.67	136.31	5,039.73	2,484.25	8,885.74	8,759.29	126.45	70.269	
20,200.00	6,227.00	8,512.00	6,342.57	250.23	69.67	136.31	5,039.73	2,484.25	8,985.73	8,859.23	126.50	71.034	
20,300.00	6,227.00	8,512.00	6,342.57	251.98	69.67	136.31	5,039.73	2,484.25	9,085.72	8,959.17	126.55	71.797	
20,400.00	6,227.00	8,512.00	6,342.57	253.73	69.67	136.31	5,039.73	2,484.25	9,185.71	9,059.11	126.59	72.560	
20,500.00	6,227.00	8,512.00	6,342.57	255.49	69.67	136.31	5,039.73	2,484.25	9,285.70	9,159.05	126.64	73.322	
20,600.00	6,227.00	8,512.00	6,342.57	257.24	69.67	136.31	5,039.73	2,484.25	9,385.69	9,258.99	126.69	74.083	
20,700.00	6,227.00	8,512.00	6,342.57	258.99	69.67	136.31	5,039.73	2,484.25	9,485.68	9,358.93	126.74	74.843	
20,800.00	6,227.00	8,512.00	6,342.57	260.74	69.67	136.31	5,039.73	2,484.25	9,585.67	9,458.88	126.79	75.603	
20,900.00	6,227.00	8,512.00	6,342.57	262.49	69.67	136.31	5,039.73	2,484.25	9,685.66	9,558.82	126.84	76.361	
21,000.00	6,227.00	8,512.00	6,342.57	264.25	69.67	136.31	5,039.73	2,484.25	9,785.65	9,658.76	126.89	77.119	
21,100.00	6,227.00	8,512.00	6,342.57	266.00	69.67	136.31	5,039.73	2,484.25	9,885.64	9,758.70	126.94	77.876	
21,200.00	6,227.00	8,512.00	6,342.57	267.75	69.67	136.31	5,039.73	2,484.25	9,985.63	9,858.64	126.99	78.631	
21,300.00	6,227.00	8,512.00	6,342.57	269.51	69.67	136.31	5,039.73	2,484.25	10,085.62	9,958.57	127.04	79.386	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 583-MWD OWSG												Offset Well Error:	0.00 usft
Reference													
Offset													
Semi Major Axis													
Distance													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	19.00	19.00	0.00	0.03	-1.51	5,020.19	-132.34	5,021.93				
100.00	100.00	119.00	119.00	0.27	0.20	-1.51	5,020.19	-132.34	5,021.93	5,021.46	0.47	N/A	
200.00	200.00	219.00	219.00	0.63	0.38	-1.51	5,020.19	-132.34	5,021.93	5,020.93	1.00	5,003.452	
300.00	300.00	319.00	319.00	0.99	0.55	-1.51	5,020.19	-132.34	5,021.93	5,020.40	1.53	3,273.701	
400.00	400.00	419.00	419.00	1.34	0.72	-1.51	5,020.19	-132.34	5,021.93	5,019.87	2.06	2,432.692	
500.00	499.98	518.98	518.98	1.70	0.89	-83.58	5,020.19	-132.34	5,021.73	5,019.15	2.59	1,940.166	
600.00	599.84	594.57	594.57	2.05	1.04	-83.63	5,020.21	-132.33	5,021.24	5,018.15	3.09	1,623.981	
637.24	636.97	610.00	610.00	2.18	1.10	-83.65	5,020.34	-132.26	5,021.20	5,017.92	3.28	1,529.751	
700.00	699.45	664.62	664.62	2.41	1.29	-83.70	5,020.95	-131.93	5,021.23	5,017.53	3.71	1,355.067	
800.00	798.70	769.15	769.13	2.79	1.67	-83.84	5,022.04	-131.29	5,020.93	5,016.47	4.46	1,126.209	
900.00	897.47	873.19	873.17	3.19	2.04	-84.03	5,023.01	-130.64	5,020.18	5,014.95	5.23	959.692	
1,000.00	995.62	965.33	965.31	3.62	2.37	-84.25	5,023.87	-130.06	5,019.12	5,013.13	5.99	837.921	
1,100.00	1,093.06	1,055.22	1,055.19	4.09	2.69	-84.50	5,024.84	-129.54	5,017.95	5,011.17	6.78	740.645	
1,200.00	1,189.64	1,144.34	1,144.30	4.59	3.01	-84.78	5,025.94	-129.06	5,016.69	5,009.09	7.60	660.286	
1,300.00	1,285.27	1,239.33	1,239.28	5.14	3.35	-85.11	5,027.21	-128.50	5,015.36	5,006.87	8.49	590.907	
1,400.00	1,379.82	1,335.08	1,335.01	5.74	3.69	-85.49	5,028.49	-127.70	5,013.90	5,004.47	9.43	531.598	
1,500.00	1,473.17	1,429.83	1,429.75	6.40	4.03	-85.89	5,029.75	-126.66	5,012.36	5,001.93	10.43	480.619	
1,600.00	1,565.21	1,543.16	1,543.07	7.12	4.43	-86.42	5,031.03	-125.58	5,010.67	4,999.13	11.54	434.105	
1,614.66	1,578.59	1,560.17	1,560.08	7.23	4.49	-86.50	5,031.17	-125.49	5,010.39	4,998.68	11.71	427.811	
1,700.00	1,656.38	1,658.67	1,658.58	7.88	4.83	-86.97	5,031.71	-125.42	5,008.70	4,995.99	12.71	394.099	
1,800.00	1,747.52	1,762.35	1,762.26	8.67	5.19	-87.46	5,031.81	-126.06	5,006.68	4,992.82	13.86	361.349	
1,900.00	1,838.67	1,848.69	1,848.60	9.47	5.49	-87.87	5,031.88	-126.54	5,004.99	4,990.03	14.96	334.631	
2,000.00	1,929.81	1,935.26	1,935.17	10.28	5.79	-88.28	5,032.05	-126.78	5,003.72	4,987.65	16.07	311.386	
2,100.00	2,020.96	2,023.91	2,023.81	11.10	6.10	-88.70	5,032.33	-126.77	5,002.87	4,985.68	17.20	290.909	
2,200.00	2,112.10	2,128.93	2,128.83	11.92	6.47	-89.19	5,032.61	-126.09	5,002.24	4,983.85	18.39	271.966	
2,300.00	2,203.25	2,203.25	2,203.25	12.75	6.84	-89.67	5,032.89	-125.41	5,001.61	4,982.02	19.62	253.999	
2,400.00	2,294.39	2,294.39	2,294.39	13.59	7.21	-90.15	5,033.17	-124.73	5,000.92	4,980.19	20.89	237.099	
2,500.00	2,385.54	2,385.54	2,385.54	14.43	7.58	-90.63	5,033.45	-124.05	5,000.23	4,978.36	22.16	220.299	
2,600.00	2,476.68	2,476.68	2,476.68	15.27	7.95	-91.11	5,033.73	-123.37	4,999.54	4,976.53	23.43	203.499	
2,700.00	2,567.83	2,567.83	2,567.83	16.11	8.32	-91.59	5,034.01	-122.69	4,998.85	4,974.70	24.70	186.699	
2,800.00	2,658.97	2,658.97	2,658.97	16.96	8.69	-92.07	5,034.29	-122.01	4,998.16	4,972.87	25.97	169.899	
2,900.00	2,750.12	2,750.12	2,750.12	17.80	9.06	-92.55	5,034.57	-121.33	4,997.47	4,971.04	27.24	153.099	
3,000.00	2,841.26	2,841.26	2,841.26	18.65	9.43	-93.03	5,034.85	-120.65	4,996.78	4,969.21	28.51	136.299	
3,100.00	2,932.41	2,932.41	2,932.41	19.50	9.80	-93.51	5,035.13	-119.97	4,996.09	4,967.38	29.78	119.499	
3,200.00	3,023.55	3,023.55	3,023.55	20.35	10.17	-94.00	5,035.41	-119.29	4,995.40	4,965.55	31.05	102.699	
3,300.00	3,114.70	3,114.70	3,114.70	21.21	10.54	-94.48	5,035.69	-118.61	4,994.71	4,963.72	32.32	85.899	
3,400.00	3,205.84	3,205.84	3,205.84	22.06	10.91	-94.96	5,035.97	-117.93	4,994.02	4,961.89	33.59	69.099	
3,500.00	3,296.99	3,296.99	3,296.99	22.92	11.28	-95.44	5,036.25	-117.25	4,993.33	4,960.06	34.86	52.299	
3,600.00	3,388.13	3,388.13	3,388.13	23.77	11.65	-95.92	5,036.53	-116.57	4,992.64	4,958.23	36.13	35.499	
3,700.00	3,479.28	3,479.28	3,479.28	24.63	12.02	-96.40	5,036.81	-115.89	4,991.95	4,956.40	37.40	18.699	
3,800.00	3,570.42	3,570.42	3,570.42	25.48	12.39	-96.88	5,037.09	-115.21	4,991.26	4,954.57	38.67	1.899	
3,900.00	3,661.57	3,661.57	3,661.57	26.34	12.76	-97.36	5,037.37	-114.53	4,990.57	4,952.74	39.94	-14.901	
4,000.00	3,752.71	3,752.71	3,752.71	27.20	13.13	-97.84	5,037.65	-113.85	4,989.88	4,950.91	41.21	-32.101	
4,100.00	3,843.86	3,843.86	3,843.86	28.05	13.50	-98.32	5,037.93	-113.17	4,989.19	4,949.08	42.48	-49.301	
4,200.00	3,935.00	3,935.00	3,935.00	28.91	13.87	-98.80	5,038.21	-112.49	4,988.50	4,947.25	43.75	-66.501	
4,300.00	4,026.15	4,026.15	4,026.15	29.77	14.24	-99.28	5,038.49	-111.81	4,987.81	4,945.42	45.02	-83.701	
4,400.00	4,117.29	4,117.29	4,117.29	30.63	14.61	-99.76	5,038.77	-111.13	4,987.12	4,943.59	46.29	-100.901	
4,500.00	4,208.44	4,208.44	4,208.44	31.49	14.98	-100.24	5,039.05	-110.45	4,986.43	4,941.76	47.56	-118.101	
4,600.00	4,299.58	4,299.58	4,299.58	32.35	15.35	-100.72	5,039.33	-109.77	4,985.74	4,939.93	48.83	-135.301	
4,700.00	4,390.73	4,390.73	4,390.73	33.21	15.72	-101.20	5,039.61	-109.09	4,985.05	4,938.10	50.10	-152.501	
4,800.00	4,481.88	4,481.88	4,481.88	34.07	16.09	-101.68	5,039.89	-108.41	4,984.36	4,936.27	51.37	-169.701	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ SI 70 RANCH USX BB25-96-1HN - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 583-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,900.00	4,573.02	10,815.71	6,350.38	34.93	113.95	-50.71	1,276.71	3,012.25	2,495.44	2,395.60	99.84	24.994	
5,000.00	4,664.17	10,834.24	6,350.20	35.79	114.37	-49.83	1,261.94	3,023.42	2,405.91	2,304.01	101.90	23.610	
5,100.00	4,755.31	10,852.82	6,350.03	36.65	114.79	-48.94	1,247.12	3,034.63	2,317.09	2,213.02	104.07	22.265	
5,200.00	4,846.46	10,871.45	6,349.87	37.51	115.21	-48.03	1,232.26	3,045.88	2,229.05	2,122.69	106.36	20.958	
5,300.00	4,937.60	10,890.14	6,349.70	38.37	115.63	-47.11	1,217.36	3,057.16	2,141.90	2,033.12	108.78	19.691	
5,400.00	5,028.75	10,893.00	6,349.68	39.23	115.70	-46.97	1,215.08	3,058.88	2,055.80	1,944.55	111.25	18.478	
5,500.00	5,119.89	10,916.03	6,349.60	40.09	116.22	-45.83	1,196.72	3,072.79	1,970.80	1,856.83	113.98	17.291	
5,600.00	5,211.04	10,929.45	6,349.66	40.96	116.52	-45.15	1,186.02	3,080.89	1,887.19	1,770.38	116.81	16.157	
5,700.00	5,302.18	10,943.62	6,349.81	41.82	116.84	-44.43	1,174.73	3,089.44	1,805.07	1,685.28	119.80	15.068	
5,800.00	5,393.33	10,958.58	6,350.07	42.68	117.18	-43.67	1,162.80	3,098.48	1,724.67	1,601.72	122.95	14.027	
5,900.00	5,484.47	10,974.42	6,350.45	43.54	117.54	-42.86	1,150.19	3,108.04	1,646.22	1,519.95	126.26	13.038	
6,000.00	5,575.62	10,992.32	6,351.01	44.40	117.94	-41.94	1,135.93	3,118.85	1,569.97	1,440.25	129.73	12.102	
6,100.00	5,666.76	11,017.86	6,351.82	45.26	118.52	-40.61	1,115.58	3,134.27	1,496.19	1,362.86	133.33	11.222	
6,175.79	5,735.84	11,036.81	6,352.38	45.92	118.95	-39.61	1,100.49	3,145.71	1,442.10	1,305.97	136.13	10.594	
6,200.00	5,757.87	11,042.34	6,352.53	46.13	119.07	-32.41	1,096.08	3,149.04	1,424.93	1,287.92	137.01	10.400	
6,250.00	5,803.02	11,050.78	6,352.76	46.56	119.26	-18.06	1,089.35	3,154.14	1,388.47	1,249.75	138.72	10.009	
6,300.00	5,847.42	11,055.23	6,352.88	46.99	119.37	-4.76	1,085.80	3,156.82	1,350.87	1,210.60	140.26	9.631	
6,350.00	5,890.72	11,055.72	6,352.89	47.41	119.38	7.37	1,085.41	3,157.12	1,312.36	1,170.74	141.63	9.266	
6,400.00	5,932.60	11,052.32	6,352.80	47.83	119.30	18.40	1,088.12	3,155.07	1,273.18	1,130.38	142.80	8.916	
6,450.00	5,972.74	11,045.12	6,352.61	48.23	119.14	28.46	1,093.86	3,150.72	1,233.54	1,089.77	143.77	8.580	
6,500.00	6,010.83	11,034.22	6,352.31	48.61	118.89	37.67	1,102.55	3,144.15	1,193.66	1,049.11	144.55	8.258	
6,550.00	6,046.58	11,019.76	6,351.88	48.98	118.56	46.10	1,114.07	3,135.42	1,153.72	1,008.60	145.12	7.950	
6,600.00	6,079.73	11,001.89	6,351.32	49.33	118.16	53.82	1,128.31	3,124.63	1,113.91	968.41	145.50	7.656	
6,650.00	6,110.01	10,981.85	6,350.66	49.67	117.71	60.93	1,144.27	3,112.53	1,074.40	928.74	145.67	7.376	
6,700.00	6,137.21	10,960.39	6,350.11	49.98	117.22	67.50	1,161.36	3,099.57	1,035.41	889.78	145.63	7.110	
6,750.00	6,161.10	10,935.79	6,349.72	50.28	116.66	73.47	1,180.97	3,084.72	997.11	851.71	145.40	6.858	
6,800.00	6,181.52	10,908.24	6,349.60	50.55	116.04	78.91	1,202.93	3,068.08	959.65	814.67	144.98	6.619	
6,850.00	6,198.29	10,877.16	6,349.82	50.81	115.34	83.88	1,227.71	3,049.32	923.18	778.80	144.39	6.394	
6,900.00	6,211.31	10,842.99	6,350.12	51.05	114.57	88.43	1,254.96	3,028.70	887.84	744.19	143.64	6.181	
6,950.00	6,220.46	10,809.89	6,350.41	51.27	113.82	92.66	1,281.34	3,008.73	853.76	711.04	142.72	5.982	
7,000.00	6,225.68	10,760.34	6,350.67	51.47	112.70	96.57	1,320.77	2,978.72	821.06	679.26	141.79	5.791	
7,040.67	6,227.00	10,719.58	6,350.25	51.63	111.77	99.64	1,352.94	2,953.69	795.30	654.36	140.94	5.643	
7,100.00	6,227.00	10,659.76	6,349.19	51.85	110.41	100.16	1,399.63	2,916.31	757.97	618.33	139.63	5.428	
7,200.00	6,227.00	10,566.49	6,349.22	52.25	108.26	101.34	1,470.96	2,856.22	693.37	556.09	137.28	5.051	
7,300.00	6,227.00	10,485.22	6,349.71	52.70	106.38	102.69	1,532.11	2,802.70	627.60	492.82	134.78	4.656	
7,400.00	6,227.00	10,411.61	6,351.30	53.18	104.67	104.36	1,587.27	2,753.98	561.93	429.87	132.06	4.255	
7,500.00	6,227.00	10,331.80	6,353.12	53.71	102.81	106.68	1,646.76	2,700.80	496.21	367.03	129.18	3.841	
7,600.00	6,227.00	10,259.18	6,354.17	54.28	101.12	109.33	1,700.71	2,652.21	430.61	304.70	125.91	3.420	
7,700.00	6,227.00	10,186.83	6,355.02	54.89	99.45	112.78	1,754.70	2,604.05	366.07	244.01	122.06	2.999	
7,800.00	6,227.00	10,113.49	6,355.84	55.55	97.75	117.56	1,809.62	2,555.45	303.01	185.90	117.11	2.587	
7,900.00	6,227.00	10,038.67	6,356.42	56.25	96.02	124.56	1,865.70	2,505.92	242.06	132.03	110.03	2.200	
8,000.00	6,227.00	9,963.21	6,356.85	56.99	94.27	135.34	1,922.04	2,455.73	184.98	86.75	98.23	1.883	
8,100.00	6,227.00	9,891.26	6,357.40	57.78	92.62	151.27	1,975.73	2,407.83	137.59	61.09	76.50	1.799	
8,200.00	6,227.00	9,817.47	6,358.45	58.62	90.92	173.65	2,031.79	2,359.88	113.46	60.70	52.76	2.150	
8,219.50	6,227.00	9,802.78	6,358.70	58.78	90.59	178.53	2,042.99	2,350.38	112.73	59.99	52.74	2.138 CC	
8,300.00	6,227.00	9,742.17	6,359.77	59.49	89.20	-162.05	2,089.17	2,311.12	124.53	48.56	75.97	1.639 ES	
8,400.00	6,227.00	9,665.92	6,361.08	60.41	87.46	-143.00	2,147.37	2,261.88	163.40	62.78	100.62	1.624 SF	
8,500.00	6,227.00	9,587.89	6,361.48	61.37	85.68	-129.99	2,206.99	2,211.55	214.97	104.60	110.37	1.948	
8,600.00	6,227.00	9,506.44	6,359.53	62.37	83.83	-120.74	2,269.19	2,159.02	271.59	157.62	113.97	2.383	
8,700.00	6,227.00	9,423.17	6,355.50	63.41	81.96	-114.16	2,333.66	2,106.46	329.55	214.51	115.04	2.865	
8,800.00	6,227.00	9,345.10	6,352.64	64.49	80.21	-110.01	2,395.08	2,058.35	388.26	273.38	114.88	3.380	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ SI 70 RANCH USX BB25-96-1HN - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 583-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	9,275.00	6,351.95	65.60	78.64	-107.44	2,449.81	2,014.56	449.25	335.08	114.17	3.935	
9,000.00	6,227.00	9,203.42	6,351.84	66.74	77.03	-105.44	2,505.13	1,969.15	511.89	398.61	113.28	4.519	
9,100.00	6,227.00	9,126.31	6,350.63	67.92	75.30	-103.58	2,564.49	1,919.94	575.06	462.70	112.36	5.118	
9,200.00	6,227.00	9,045.70	6,348.17	69.13	73.49	-101.89	2,626.59	1,868.60	638.26	526.81	111.45	5.727	
9,300.00	6,227.00	8,963.99	6,347.67	70.37	71.67	-100.72	2,690.24	1,817.38	700.95	590.40	110.55	6.340	
9,400.00	6,227.00	8,888.78	6,349.17	71.63	70.00	-100.01	2,749.03	1,770.50	763.72	654.10	109.63	6.967	
9,500.00	6,227.00	8,819.06	6,350.38	72.92	68.46	-99.42	2,803.24	1,726.67	827.04	718.38	108.66	7.611	
9,600.00	6,227.00	8,749.96	6,350.38	74.23	66.92	-98.81	2,856.48	1,682.63	891.12	783.42	107.71	8.273	
9,700.00	6,227.00	8,677.19	6,350.19	75.57	65.31	-98.22	2,912.19	1,635.80	955.84	849.02	106.82	8.948	
9,800.00	6,227.00	8,597.41	6,349.63	76.93	63.54	-97.64	2,973.36	1,584.61	1,020.40	914.38	106.02	9.625	
9,900.00	6,227.00	8,528.40	6,349.43	78.31	62.02	-97.21	3,026.21	1,540.22	1,085.19	980.04	105.15	10.321	
10,000.00	6,227.00	8,458.10	6,349.67	79.71	60.47	-96.84	3,079.81	1,494.73	1,150.45	1,046.13	104.32	11.028	
10,100.00	6,227.00	8,383.03	6,349.73	81.12	58.83	-96.48	3,136.86	1,445.94	1,216.00	1,112.44	103.56	11.742	
10,200.00	6,227.00	8,299.51	6,348.62	82.55	57.00	-96.05	3,200.46	1,391.82	1,281.30	1,178.39	102.92	12.450	
10,300.00	6,227.00	8,207.21	6,348.90	84.00	55.00	-95.72	3,271.40	1,332.78	1,345.92	1,243.51	102.41	13.143	
10,400.00	6,227.00	8,110.51	6,349.75	85.46	52.93	-95.44	3,346.64	1,272.03	1,409.41	1,307.43	101.99	13.820	
10,500.00	6,227.00	8,026.67	6,348.64	86.94	51.16	-95.14	3,412.26	1,219.88	1,472.22	1,370.78	101.45	14.512	
10,600.00	6,227.00	7,957.46	6,347.34	88.43	49.70	-94.88	3,466.36	1,176.72	1,535.17	1,434.38	100.78	15.232	
10,700.00	6,227.00	7,901.82	6,346.84	89.93	48.54	-94.72	3,509.58	1,141.70	1,598.80	1,498.80	100.00	15.988	
10,800.00	6,227.00	7,848.00	6,347.19	91.44	47.41	-94.60	3,550.88	1,107.18	1,663.62	1,564.39	99.23	16.766	
10,900.00	6,227.00	7,795.34	6,348.20	92.96	46.31	-94.53	3,590.84	1,072.91	1,729.47	1,631.00	98.47	17.564	
11,000.00	6,227.00	7,733.49	6,350.01	94.50	45.02	-94.46	3,637.35	1,032.17	1,796.14	1,698.31	97.83	18.360	
11,100.00	6,227.00	7,657.00	6,350.72	96.04	43.43	-94.33	3,684.91	981.81	1,862.71	1,765.35	97.36	19.132	
11,200.00	6,227.00	7,603.31	6,350.60	97.59	42.34	-94.22	3,735.12	946.23	1,929.71	1,833.03	96.68	19.959	
11,300.00	6,227.00	7,562.00	6,350.86	99.15	41.49	-94.14	3,765.68	918.43	1,997.78	1,901.87	95.90	20.832	
11,400.00	6,227.00	7,509.01	6,351.33	100.72	40.42	-94.06	3,804.41	882.28	2,066.75	1,971.49	95.27	21.695	
11,500.00	6,227.00	7,454.09	6,351.73	102.30	39.31	-93.97	3,844.08	844.29	2,136.59	2,041.91	94.67	22.568	
11,600.00	6,227.00	7,329.81	6,351.45	103.88	36.87	-93.75	3,934.68	759.24	2,205.71	2,110.86	94.85	23.256	
11,700.00	6,227.00	7,220.81	6,353.03	105.47	34.81	-93.64	4,015.73	686.38	2,273.28	2,178.34	94.94	23.945	
11,743.45	6,227.00	7,181.00	6,354.08	106.17	34.07	-93.62	4,045.58	660.06	2,302.37	2,207.46	94.91	24.258	
11,808.25	6,227.00	7,137.05	6,354.78	107.20	33.28	-93.51	4,078.55	631.00	2,345.18	2,250.46	94.72	24.760	
11,900.00	6,227.00	7,052.07	6,353.41	108.66	31.77	-93.36	4,142.10	574.60	2,405.20	2,310.47	94.73	25.391	
12,000.00	6,227.00	6,885.34	6,353.73	110.26	29.02	-93.19	4,269.86	467.52	2,468.26	2,372.45	95.80	25.763	
12,100.00	6,227.00	6,753.85	6,350.47	111.86	27.07	-92.97	4,372.66	385.67	2,529.49	2,432.89	96.61	26.183	
12,200.00	6,227.00	6,630.31	6,333.74	113.47	25.41	-92.41	4,469.71	311.24	2,588.81	2,491.44	97.37	26.588	
12,300.00	6,227.00	6,537.00	6,306.88	115.08	24.28	-91.63	4,540.45	256.79	2,648.18	2,550.50	97.68	27.112	
12,400.00	6,227.00	6,489.00	6,288.87	116.70	23.75	-91.13	4,575.62	229.54	2,707.70	2,610.35	97.35	27.813	
12,500.00	6,227.00	6,463.56	6,278.61	118.33	23.48	-90.86	4,593.79	215.00	2,768.52	2,671.79	96.73	28.620	
12,600.00	6,227.00	6,415.59	6,257.98	119.96	23.00	-90.31	4,627.26	187.52	2,830.65	2,734.21	96.44	29.353	
12,700.00	6,227.00	6,356.90	6,229.85	121.60	22.46	-89.59	4,666.96	154.71	2,893.48	2,797.19	96.29	30.050	
12,800.00	6,227.00	6,299.00	6,198.41	123.24	21.98	-88.80	4,704.28	123.60	2,957.11	2,861.00	96.11	30.767	
12,900.00	6,227.00	6,277.33	6,185.28	124.88	21.81	-88.48	4,717.43	112.46	3,021.86	2,926.40	95.46	31.656	
13,000.00	6,227.00	6,252.00	6,169.06	126.53	21.62	-88.08	4,732.07	99.65	3,088.06	2,993.21	94.85	32.559	
13,100.00	6,227.00	6,232.46	6,156.02	128.18	21.49	-87.76	4,742.89	89.92	3,155.63	3,061.45	94.18	33.507	
13,200.00	6,227.00	6,204.00	6,136.40	129.84	21.29	-87.29	4,758.06	75.96	3,224.49	3,130.88	93.61	34.446	
13,300.00	6,227.00	6,180.33	6,119.54	131.50	21.14	-86.89	4,770.17	64.60	3,294.53	3,201.52	93.00	35.424	
13,400.00	6,227.00	6,157.00	6,102.46	133.16	21.00	-86.49	4,781.71	53.66	3,365.64	3,273.24	92.40	36.425	
13,500.00	6,227.00	6,125.68	6,078.71	134.83	20.82	-85.94	4,796.45	39.54	3,437.79	3,345.92	91.88	37.418	
13,600.00	6,227.00	6,099.74	6,058.27	136.50	20.67	-85.46	4,807.92	28.42	3,510.99	3,419.69	91.30	38.456	
13,700.00	6,227.00	6,070.52	6,034.54	138.17	20.51	-84.92	4,820.15	16.56	3,585.14	3,494.39	90.75	39.506	
13,800.00	6,227.00	6,028.50	5,999.21	139.85	20.30	-84.11	4,836.56	0.82	3,660.14	3,569.87	90.27	40.546	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ SI 70 RANCH USX BB25-96-1HN - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 583-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	5,990.20	5,965.88	141.53	20.12	-83.36	4,850.40	-12.00	3,735.87	3,646.13	89.74	41.629	
14,000.00	6,227.00	5,966.00	5,944.34	143.21	20.01	-82.88	4,858.59	-19.38	3,812.42	3,723.28	89.14	42.770	
14,100.00	6,227.00	5,966.00	5,944.34	144.89	20.01	-82.88	4,858.59	-19.38	3,889.95	3,801.50	88.46	43.976	
14,200.00	6,227.00	5,940.54	5,921.33	146.58	19.89	-82.36	4,866.67	-26.69	3,968.25	3,880.36	87.89	45.152	
14,300.00	6,227.00	5,918.00	5,900.71	148.26	19.80	-81.90	4,873.32	-32.89	4,047.55	3,960.24	87.31	46.357	
14,400.00	6,227.00	5,910.44	5,893.68	149.96	19.76	-81.75	4,875.38	-34.74	4,127.57	4,040.86	86.71	47.602	
14,500.00	6,227.00	5,871.00	5,856.98	151.65	19.60	-80.93	4,886.12	-44.38	4,208.32	4,122.13	86.19	48.826	
14,600.00	6,227.00	5,855.21	5,842.09	153.34	19.53	-80.61	4,890.15	-47.76	4,289.65	4,204.02	85.63	50.094	
14,700.00	6,227.00	5,841.66	5,828.26	155.04	19.48	-80.32	4,893.48	-50.54	4,371.68	4,286.59	85.09	51.379	
14,800.00	6,227.00	5,823.00	5,811.50	156.74	19.40	-79.93	4,897.90	-54.20	4,454.37	4,369.82	84.56	52.678	
14,900.00	6,227.00	5,811.07	5,800.09	158.44	19.35	-79.68	4,900.61	-56.40	4,537.68	4,453.64	84.04	53.992	
15,000.00	6,227.00	5,789.30	5,779.17	160.14	19.27	-79.23	4,905.37	-60.09	4,621.55	4,538.01	83.54	55.321	
15,100.00	6,227.00	5,775.00	5,765.36	161.85	19.21	-78.93	4,908.37	-62.28	4,705.96	4,622.91	83.05	56.664	
15,200.00	6,227.00	5,775.00	5,765.36	163.56	19.21	-78.93	4,908.37	-62.28	4,790.95	4,708.36	82.59	58.011	
15,300.00	6,227.00	5,775.00	5,765.36	165.26	19.21	-78.93	4,908.37	-62.28	4,876.50	4,794.36	82.14	59.368	
15,400.00	6,227.00	5,756.35	5,747.24	166.97	19.14	-78.53	4,911.98	-64.80	4,962.47	4,880.78	81.69	60.748	
15,500.00	6,227.00	5,751.50	5,742.50	168.68	19.12	-78.43	4,912.84	-65.39	5,049.00	4,967.73	81.27	62.128	
15,600.00	6,227.00	5,746.97	5,738.07	170.40	19.10	-78.33	4,913.62	-65.90	5,136.00	5,055.14	80.86	63.516	
15,700.00	6,227.00	5,727.00	5,718.45	172.11	19.03	-77.90	4,916.76	-67.87	5,223.55	5,143.12	80.43	64.943	
15,800.00	6,227.00	5,727.00	5,718.45	173.83	19.03	-77.90	4,916.76	-67.87	5,311.40	5,231.33	80.06	66.339	
15,900.00	6,227.00	5,727.00	5,718.45	175.54	19.03	-77.90	4,916.76	-67.87	5,399.66	5,319.95	79.71	67.742	
16,000.00	6,227.00	5,727.00	5,718.45	177.26	19.03	-77.90	4,916.76	-67.87	5,488.33	5,408.96	79.37	69.151	
16,100.00	6,227.00	5,727.00	5,718.45	178.98	19.03	-77.90	4,916.76	-67.87	5,577.38	5,498.34	79.04	70.565	
16,200.00	6,227.00	5,727.00	5,718.45	180.70	19.03	-77.90	4,916.76	-67.87	5,666.80	5,588.08	78.72	71.984	
16,300.00	6,227.00	5,727.00	5,718.45	182.42	19.03	-77.90	4,916.76	-67.87	5,756.57	5,678.15	78.42	73.408	
16,400.00	6,227.00	5,727.00	5,718.45	184.15	19.03	-77.90	4,916.76	-67.87	5,846.66	5,768.54	78.13	74.836	
16,500.00	6,227.00	5,727.00	5,718.45	185.87	19.03	-77.90	4,916.76	-67.87	5,937.08	5,859.23	77.85	76.268	
16,600.00	6,227.00	5,727.00	5,718.45	187.60	19.03	-77.90	4,916.76	-67.87	6,027.79	5,950.22	77.57	77.703	
16,700.00	6,227.00	5,727.00	5,718.45	189.32	19.03	-77.90	4,916.76	-67.87	6,118.80	6,041.49	77.32	79.141	
16,800.00	6,227.00	5,727.00	5,718.45	191.05	19.03	-77.90	4,916.76	-67.87	6,210.08	6,133.02	77.07	80.582	
16,900.00	6,227.00	5,727.00	5,718.45	192.78	19.03	-77.90	4,916.76	-67.87	6,301.63	6,224.81	76.83	82.025	
17,000.00	6,227.00	5,727.00	5,718.45	194.51	19.03	-77.90	4,916.76	-67.87	6,393.43	6,316.84	76.59	83.471	
17,100.00	6,227.00	5,727.00	5,718.45	196.24	19.03	-77.90	4,916.76	-67.87	6,485.48	6,409.10	76.37	84.918	
17,200.00	6,227.00	5,705.87	5,697.56	197.97	18.95	-77.45	4,919.49	-69.48	6,577.51	6,501.40	76.11	86.426	
17,300.00	6,227.00	5,704.30	5,696.01	199.70	18.94	-77.41	4,919.67	-69.59	6,669.96	6,594.07	75.90	87.882	
17,400.00	6,227.00	5,702.80	5,694.51	201.44	18.94	-77.38	4,919.84	-69.68	6,762.64	6,686.94	75.70	89.339	
17,500.00	6,227.00	5,701.34	5,693.07	203.17	18.93	-77.35	4,920.00	-69.78	6,855.51	6,780.01	75.50	90.797	
17,600.00	6,227.00	5,680.00	5,671.85	204.90	18.85	-76.88	4,922.02	-70.92	6,948.81	6,873.55	75.25	92.337	
17,700.00	6,227.00	5,680.00	5,671.85	206.64	18.85	-76.88	4,922.02	-70.92	7,042.04	6,966.95	75.08	93.792	
17,800.00	6,227.00	5,680.00	5,671.85	208.38	18.85	-76.88	4,922.02	-70.92	7,135.45	7,060.53	74.92	95.246	
17,900.00	6,227.00	5,680.00	5,671.85	210.11	18.85	-76.88	4,922.02	-70.92	7,229.04	7,154.28	74.76	96.701	
18,000.00	6,227.00	5,680.00	5,671.85	211.85	18.85	-76.88	4,922.02	-70.92	7,322.80	7,248.19	74.60	98.156	
18,100.00	6,227.00	5,680.00	5,671.85	213.59	18.85	-76.88	4,922.02	-70.92	7,416.72	7,342.26	74.46	99.611	
18,200.00	6,227.00	5,680.00	5,671.85	215.33	18.85	-76.88	4,922.02	-70.92	7,510.80	7,436.48	74.32	101.065	
18,300.00	6,227.00	5,680.00	5,671.85	217.07	18.85	-76.88	4,922.02	-70.92	7,605.03	7,530.84	74.18	102.518	
18,400.00	6,227.00	5,680.00	5,671.85	218.81	18.85	-76.88	4,922.02	-70.92	7,699.40	7,625.35	74.05	103.971	
18,500.00	6,227.00	5,680.00	5,671.85	220.55	18.85	-76.88	4,922.02	-70.92	7,793.92	7,719.99	73.93	105.423	
18,600.00	6,227.00	5,680.00	5,671.85	222.29	18.85	-76.88	4,922.02	-70.92	7,888.57	7,814.76	73.81	106.873	
18,700.00	6,227.00	5,680.00	5,671.85	224.03	18.85	-76.88	4,922.02	-70.92	7,983.35	7,909.65	73.70	108.323	
18,800.00	6,227.00	5,680.00	5,671.85	225.78	18.85	-76.88	4,922.02	-70.92	8,078.26	8,004.66	73.59	109.771	
18,900.00	6,227.00	5,680.00	5,671.85	227.52	18.85	-76.88	4,922.02	-70.92	8,173.29	8,099.80	73.49	111.218	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ SI 70 RANCH USX BB25-96-1HN - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 583-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,000.00	6,227.00	5,680.00	5,671.85	229.26	18.85	-76.88	4,922.02	-70.92	8,268.43	8,195.04	73.39	112.663	
19,100.00	6,227.00	5,680.00	5,671.85	231.01	18.85	-76.88	4,922.02	-70.92	8,363.69	8,290.39	73.30	114.107	
19,200.00	6,227.00	5,680.00	5,671.85	232.75	18.85	-76.88	4,922.02	-70.92	8,459.06	8,385.85	73.21	115.549	
19,300.00	6,227.00	5,680.00	5,671.85	234.50	18.85	-76.88	4,922.02	-70.92	8,554.53	8,481.41	73.12	116.989	
19,400.00	6,227.00	5,680.00	5,671.85	236.25	18.85	-76.88	4,922.02	-70.92	8,650.11	8,577.07	73.04	118.427	
19,500.00	6,227.00	5,680.00	5,671.85	237.99	18.85	-76.88	4,922.02	-70.92	8,745.78	8,672.82	72.97	119.863	
19,600.00	6,227.00	5,680.00	5,671.85	239.74	18.85	-76.88	4,922.02	-70.92	8,841.56	8,768.66	72.89	121.297	
19,700.00	6,227.00	5,680.00	5,671.85	241.49	18.85	-76.88	4,922.02	-70.92	8,937.42	8,864.60	72.82	122.728	
19,800.00	6,227.00	5,680.00	5,671.85	243.24	18.85	-76.88	4,922.02	-70.92	9,033.37	8,960.62	72.76	124.158	
19,900.00	6,227.00	5,680.00	5,671.85	244.98	18.85	-76.88	4,922.02	-70.92	9,129.41	9,056.72	72.70	125.585	
20,000.00	6,227.00	5,680.00	5,671.85	246.73	18.85	-76.88	4,922.02	-70.92	9,225.54	9,152.90	72.64	127.009	
20,100.00	6,227.00	5,680.00	5,671.85	248.48	18.85	-76.88	4,922.02	-70.92	9,321.74	9,249.16	72.58	128.432	
20,200.00	6,227.00	5,680.00	5,671.85	250.23	18.85	-76.88	4,922.02	-70.92	9,418.03	9,345.50	72.53	129.851	
20,300.00	6,227.00	5,680.00	5,671.85	251.98	18.85	-76.88	4,922.02	-70.92	9,514.39	9,441.91	72.48	131.268	
20,400.00	6,227.00	5,680.00	5,671.85	253.73	18.85	-76.88	4,922.02	-70.92	9,610.83	9,538.39	72.43	132.683	
20,500.00	6,227.00	5,680.00	5,671.85	255.49	18.85	-76.88	4,922.02	-70.92	9,707.34	9,634.94	72.39	134.094	
20,600.00	6,227.00	5,680.00	5,671.85	257.24	18.85	-76.88	4,922.02	-70.92	9,803.91	9,731.56	72.35	135.503	
20,700.00	6,227.00	5,680.00	5,671.85	258.99	18.85	-76.88	4,922.02	-70.92	9,900.56	9,828.24	72.31	136.909	
20,800.00	6,227.00	5,680.00	5,671.85	260.74	18.85	-76.88	4,922.02	-70.92	9,997.27	9,924.99	72.28	138.312	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE 11-36-1XRCL - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 218-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	0.80	80.15	1.11	80.66				
100.00	100.00	90.63	90.63	0.27	0.15	1.03	80.35	1.44	80.37	79.95	0.42	191.572 CC	
200.00	200.00	190.21	190.20	0.63	0.32	1.80	81.05	2.55	81.09	80.15	0.94	85.975	
300.00	300.00	290.74	290.71	0.99	0.62	2.84	81.83	4.06	81.93	80.32	1.61	50.949	
400.00	400.00	390.70	390.67	1.34	0.98	3.49	82.02	5.00	82.17	79.85	2.32	35.354	
500.00	499.98	491.11	491.08	1.70	1.34	-79.27	82.19	5.72	82.04	79.01	3.03	27.036	
600.00	599.84	590.38	590.35	2.05	1.69	-82.52	82.41	6.23	81.44	77.70	3.74	21.770	
637.40	637.13	627.49	627.45	2.18	1.83	-84.25	82.68	6.59	81.38	77.37	4.01	20.296	
700.00	699.45	689.40	689.35	2.41	2.05	-87.65	83.38	7.48	81.61	77.15	4.46	18.305 ES	
800.00	798.70	787.46	787.37	2.79	2.40	-94.65	85.69	8.91	83.98	78.79	5.19	16.192	
900.00	897.47	885.16	884.99	3.19	2.75	-102.90	89.53	10.33	89.77	83.84	5.93	15.140	
1,000.00	995.62	982.13	981.75	3.62	3.09	-110.82	95.38	12.43	100.00	93.31	6.69	14.953 SF	
1,100.00	1,093.06	1,078.81	1,078.00	4.09	3.45	-117.25	103.71	16.05	114.65	107.18	7.47	15.355	
1,200.00	1,189.64	1,174.74	1,173.22	4.59	3.81	-122.24	114.37	20.79	133.43	125.16	8.26	16.146	
1,300.00	1,285.27	1,270.89	1,268.62	5.14	4.18	-126.90	125.47	25.27	155.61	146.53	9.08	17.136	
1,400.00	1,379.82	1,364.74	1,361.72	5.74	4.55	-131.08	136.73	28.88	181.77	171.88	9.89	18.374	
1,500.00	1,473.17	1,456.78	1,453.02	6.40	4.90	-134.81	148.16	31.30	212.33	201.63	10.70	19.844	
1,600.00	1,565.21	1,550.81	1,546.42	7.12	5.27	-138.46	158.83	32.92	246.40	234.88	11.52	21.390	
1,614.66	1,578.59	1,564.50	1,560.05	7.23	5.32	-138.99	160.20	33.11	251.63	239.99	11.64	21.616	
1,700.00	1,656.38	1,643.63	1,638.83	7.88	5.62	-142.22	167.46	34.00	282.56	270.24	12.31	22.945	
1,800.00	1,747.52	1,741.95	1,736.78	8.67	6.00	-145.44	175.84	35.59	318.95	305.81	13.14	24.278	
1,900.00	1,838.67	1,839.60	1,833.89	9.47	6.38	-147.64	184.93	40.23	353.51	339.54	13.97	25.304	
2,000.00	1,929.81	1,927.44	1,921.22	10.28	6.72	-149.23	193.44	44.36	388.60	373.86	14.74	26.360	
2,100.00	2,020.96	2,017.43	2,010.67	11.10	7.07	-150.57	202.76	47.48	425.23	409.70	15.53	27.384	
2,200.00	2,112.10	2,116.14	2,108.87	11.92	7.46	-151.89	212.23	51.00	461.74	445.36	16.37	28.200	
2,300.00	2,203.25	2,212.31	2,204.50	12.75	7.83	-152.96	221.26	55.59	497.26	480.06	17.20	28.906	
2,400.00	2,294.39	2,302.00	2,293.73	13.59	8.18	-153.88	229.31	59.65	533.03	515.05	17.98	29.644	
2,500.00	2,385.54	2,395.88	2,387.10	14.43	8.55	-154.68	238.19	63.78	569.15	550.36	18.80	30.282	
2,600.00	2,476.68	2,492.05	2,482.75	15.27	8.93	-155.41	247.05	68.43	604.90	585.27	19.63	30.821	
2,700.00	2,567.83	2,580.02	2,570.16	16.11	9.27	-155.93	255.94	72.79	640.82	620.42	20.41	31.405	
2,800.00	2,658.97	2,662.58	2,652.24	16.96	9.60	-156.40	264.29	75.56	678.21	657.07	21.14	32.086	
2,900.00	2,750.12	2,771.27	2,760.37	17.80	10.02	-157.01	274.29	80.27	714.49	692.43	22.07	32.380	
3,000.00	2,841.26	2,858.38	2,847.03	18.65	10.37	-157.45	282.28	84.07	750.87	728.04	22.83	32.891	
3,100.00	2,932.41	2,953.34	2,941.49	19.50	10.74	-157.88	291.15	88.14	787.41	763.76	23.65	33.288	
3,200.00	3,023.55	3,046.08	3,033.76	20.35	11.10	-158.28	299.45	92.24	823.77	799.31	24.46	33.678	
3,300.00	3,114.70	3,127.94	3,115.22	21.21	11.42	-158.61	306.94	95.48	860.67	835.49	25.18	34.184	
3,400.00	3,205.84	3,209.28	3,196.34	22.06	11.72	-159.05	312.60	96.71	899.32	873.46	25.86	34.774	
3,500.00	3,296.99	3,305.50	3,292.49	22.92	12.06	-159.76	315.94	97.95	937.67	911.05	26.62	35.220	
3,600.00	3,388.13	3,386.70	3,373.67	23.77	12.34	-160.38	317.78	98.18	976.84	949.59	27.25	35.846	
3,700.00	3,479.28	3,484.57	3,471.53	24.63	12.65	-161.24	317.42	97.49	1,016.66	988.70	27.97	36.355	
3,800.00	3,570.42	3,578.98	3,565.94	25.48	12.95	-162.01	316.67	98.21	1,055.22	1,026.57	28.65	36.829	
3,900.00	3,661.57	3,661.04	3,647.99	26.34	13.21	-162.62	316.51	97.98	1,094.93	1,065.67	29.26	37.421	
4,000.00	3,752.71	3,755.54	3,742.50	27.20	13.52	-163.25	316.62	97.72	1,134.82	1,104.85	29.97	37.867	
4,100.00	3,843.86	3,850.41	3,837.37	28.05	13.84	-163.84	316.76	97.81	1,174.47	1,143.79	30.69	38.271	
4,200.00	3,935.00	3,940.53	3,927.48	28.91	14.13	-164.38	316.63	98.00	1,214.09	1,182.72	31.37	38.705	
4,300.00	4,026.15	4,029.34	4,016.29	29.77	14.42	-164.88	316.41	97.99	1,253.98	1,221.95	32.03	39.145	
4,400.00	4,117.29	4,123.88	4,110.84	30.63	14.73	-165.36	316.49	97.99	1,293.98	1,261.22	32.75	39.507	
4,500.00	4,208.44	4,219.77	4,206.73	31.49	15.05	-165.81	316.79	98.39	1,333.67	1,300.18	33.49	39.818	
4,600.00	4,299.58	4,308.56	4,295.51	32.35	15.35	-166.22	316.87	98.84	1,373.34	1,339.16	34.18	40.176	
4,700.00	4,390.73	4,397.37	4,384.32	33.21	15.66	-166.60	316.93	99.08	1,413.28	1,378.40	34.87	40.525	
4,800.00	4,481.88	4,487.76	4,474.71	34.07	15.96	-166.97	316.95	99.21	1,453.37	1,417.79	35.58	40.851	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE 11-36-1XRCL - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 218-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,900.00	4,573.02	4,574.80	4,561.75	34.93	16.26	-167.30	317.12	99.22	1,493.65	1,457.39	36.26	41.195	
5,000.00	4,664.17	4,667.86	4,654.81	35.79	16.58	-167.63	317.46	99.14	1,534.07	1,497.08	36.99	41.475	
5,100.00	4,755.31	4,758.21	4,745.16	36.65	16.89	-167.94	317.59	99.11	1,574.47	1,536.78	37.70	41.766	
5,200.00	4,846.46	4,848.14	4,835.09	37.51	17.19	-168.24	317.70	99.01	1,614.97	1,576.57	38.40	42.056	
5,300.00	4,937.60	4,940.78	4,927.73	38.37	17.51	-168.53	317.82	98.93	1,655.50	1,616.38	39.13	42.311	
5,400.00	5,028.75	5,032.72	5,019.67	39.23	17.82	-168.80	317.96	98.90	1,696.01	1,656.15	39.85	42.556	
5,500.00	5,119.89	5,127.35	5,114.30	40.09	18.15	-169.07	318.03	99.00	1,736.41	1,695.81	40.60	42.769	
5,600.00	5,211.04	5,218.25	5,205.20	40.96	18.45	-169.32	318.01	99.19	1,776.75	1,735.44	41.32	43.004	
5,700.00	5,302.18	5,304.41	5,291.35	41.82	18.74	-169.55	317.87	99.23	1,817.27	1,775.27	41.99	43.278	
5,800.00	5,393.33	5,391.23	5,378.18	42.68	19.03	-169.77	318.02	98.98	1,858.11	1,815.44	42.67	43.543	
5,900.00	5,484.47	5,494.09	5,481.03	43.54	19.39	-169.99	318.60	99.08	1,898.63	1,855.14	43.49	43.656	
6,000.00	5,575.62	5,583.64	5,570.59	44.40	19.70	-170.19	318.81	99.31	1,939.03	1,894.83	44.21	43.862	
6,100.00	5,666.76	5,673.29	5,660.24	45.26	20.01	-170.39	318.86	99.46	1,979.53	1,934.61	44.92	44.063	
6,175.79	5,735.84	5,741.38	5,728.33	45.92	20.24	-170.54	318.91	99.52	2,010.29	1,964.82	45.47	44.211	
6,200.00	5,757.87	5,763.13	5,750.07	46.13	20.32	-164.30	318.93	99.54	2,020.10	1,974.46	45.64	44.257	
6,250.00	5,803.02	5,807.69	5,794.64	46.56	20.47	-152.34	318.98	99.56	2,040.25	1,994.24	46.00	44.351	
6,300.00	5,847.42	5,851.43	5,838.37	46.99	20.62	-141.94	318.98	99.56	2,060.12	2,013.78	46.35	44.449	
6,350.00	5,890.72	5,893.95	5,880.90	47.41	20.77	-133.19	318.80	99.56	2,079.66	2,032.98	46.68	44.550	
6,400.00	5,932.60	5,931.37	5,918.31	47.83	20.89	-125.89	318.03	99.52	2,098.82	2,051.85	46.96	44.689	
6,450.00	5,972.74	5,964.44	5,951.31	48.23	20.99	-119.81	315.90	99.43	2,117.65	2,070.45	47.20	44.862	
6,500.00	6,010.83	5,991.00	5,977.72	48.61	21.07	-114.65	313.19	99.32	2,136.18	2,088.79	47.39	45.077	
6,550.00	6,046.58	6,019.66	6,006.11	48.98	21.15	-110.36	309.29	99.17	2,154.41	2,106.83	47.58	45.284	
6,600.00	6,079.73	6,041.38	6,027.53	49.33	21.22	-106.59	305.69	99.04	2,172.34	2,124.63	47.71	45.533	
6,650.00	6,110.01	6,058.93	6,044.77	49.67	21.27	-103.25	302.38	98.92	2,189.98	2,142.17	47.81	45.804	
6,700.00	6,137.21	6,080.00	6,065.36	49.98	21.33	-100.45	297.93	98.77	2,207.33	2,159.39	47.94	46.044	
6,750.00	6,161.10	6,080.00	6,065.36	50.28	21.33	-97.48	297.93	98.77	2,224.28	2,176.37	47.92	46.420	
6,800.00	6,181.52	6,080.00	6,065.36	50.55	21.33	-94.84	297.93	98.77	2,240.86	2,192.96	47.90	46.786	
6,850.00	6,198.29	6,080.00	6,065.36	50.81	21.33	-92.49	297.93	98.77	2,256.94	2,209.06	47.88	47.137	
6,900.00	6,211.31	6,080.00	6,065.36	51.05	21.33	-90.43	297.93	98.77	2,272.41	2,224.54	47.88	47.465	
6,950.00	6,220.46	6,080.00	6,065.36	51.27	21.33	-88.64	297.93	98.77	2,287.18	2,239.29	47.89	47.762	
7,000.00	6,225.68	6,080.00	6,065.36	51.47	21.33	-87.12	297.93	98.77	2,301.14	2,253.22	47.92	48.023	
7,040.67	6,227.00	6,080.00	6,065.36	51.63	21.33	-86.08	297.93	98.77	2,311.83	2,263.87	47.96	48.206	
7,100.00	6,227.00	6,080.00	6,065.36	51.85	21.33	-86.08	297.93	98.77	2,327.68	2,279.64	48.04	48.452	
7,200.00	6,227.00	6,080.00	6,065.36	52.25	21.33	-86.08	297.93	98.77	2,357.53	2,309.31	48.23	48.885	
7,300.00	6,227.00	6,054.57	6,040.49	52.70	21.25	-85.45	303.24	98.95	2,390.92	2,342.69	48.23	49.577	
7,400.00	6,227.00	6,045.69	6,031.77	53.18	21.23	-85.23	304.91	99.01	2,427.99	2,379.58	48.41	50.153	
7,500.00	6,227.00	6,037.71	6,023.92	53.71	21.21	-85.03	306.34	99.06	2,468.50	2,419.86	48.64	50.755	
7,600.00	6,227.00	6,030.50	6,016.82	54.28	21.19	-84.84	307.56	99.11	2,512.28	2,463.39	48.89	51.384	
7,700.00	6,227.00	6,023.97	6,010.37	54.89	21.17	-84.68	308.62	99.15	2,559.18	2,510.01	49.17	52.043	
7,800.00	6,227.00	5,991.00	5,977.72	55.55	21.07	-83.85	313.19	99.32	2,609.40	2,560.18	49.22	53.014	
7,900.00	6,227.00	5,991.00	5,977.72	56.25	21.07	-83.85	313.19	99.32	2,661.92	2,612.33	49.59	53.679	
8,000.00	6,227.00	5,991.00	5,977.72	56.99	21.07	-83.85	313.19	99.32	2,717.10	2,667.14	49.96	54.382	
8,100.00	6,227.00	5,991.00	5,977.72	57.78	21.07	-83.85	313.19	99.32	2,774.79	2,724.45	50.34	55.124	
8,200.00	6,227.00	5,991.00	5,977.72	58.62	21.07	-83.85	313.19	99.32	2,834.83	2,784.12	50.71	55.904	
8,300.00	6,227.00	5,991.00	5,977.72	59.49	21.07	-83.85	313.19	99.32	2,897.09	2,846.01	51.08	56.722	
8,400.00	6,227.00	5,991.00	5,977.72	60.41	21.07	-83.85	313.19	99.32	2,961.41	2,909.97	51.43	57.576	
8,500.00	6,227.00	5,991.00	5,977.72	61.37	21.07	-83.85	313.19	99.32	3,027.67	2,975.88	51.79	58.466	
8,600.00	6,227.00	5,991.00	5,977.72	62.37	21.07	-83.85	313.19	99.32	3,095.74	3,043.61	52.13	59.389	
8,700.00	6,227.00	5,991.00	5,977.72	63.41	21.07	-83.85	313.19	99.32	3,165.50	3,113.05	52.46	60.345	
8,800.00	6,227.00	5,991.00	5,977.72	64.49	21.07	-83.85	313.19	99.32	3,236.86	3,184.08	52.78	61.332	
8,900.00	6,227.00	5,991.00	5,977.72	65.60	21.07	-83.85	313.19	99.32	3,309.69	3,256.61	53.08	62.348	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE 11-36-1XRCL - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 218-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	5,991.00	5,977.72	66.74	21.07	-83.85	313.19	99.32	3,383.92	3,330.54	53.38	63.392	
9,100.00	6,227.00	5,991.00	5,977.72	67.92	21.07	-83.85	313.19	99.32	3,459.44	3,405.77	53.67	64.463	
9,200.00	6,227.00	5,991.00	5,977.72	69.13	21.07	-83.85	313.19	99.32	3,536.18	3,482.24	53.94	65.558	
9,300.00	6,227.00	5,991.00	5,977.72	70.37	21.07	-83.85	313.19	99.32	3,614.05	3,559.85	54.20	66.676	
9,400.00	6,227.00	5,991.00	5,977.72	71.63	21.07	-83.85	313.19	99.32	3,692.99	3,638.54	54.46	67.816	
9,500.00	6,227.00	5,991.00	5,977.72	72.92	21.07	-83.85	313.19	99.32	3,772.93	3,718.23	54.70	68.976	
9,600.00	6,227.00	5,991.00	5,977.72	74.23	21.07	-83.85	313.19	99.32	3,853.81	3,798.88	54.93	70.156	
9,700.00	6,227.00	5,991.00	5,977.72	75.57	21.07	-83.85	313.19	99.32	3,935.56	3,880.41	55.16	71.354	
9,800.00	6,227.00	5,991.00	5,977.72	76.93	21.07	-83.85	313.19	99.32	4,018.15	3,962.78	55.37	72.569	
9,900.00	6,227.00	5,991.00	5,977.72	78.31	21.07	-83.85	313.19	99.32	4,101.50	4,045.93	55.58	73.800	
10,000.00	6,227.00	5,991.00	5,977.72	79.71	21.07	-83.85	313.19	99.32	4,185.59	4,129.81	55.77	75.045	
10,100.00	6,227.00	5,991.00	5,977.72	81.12	21.07	-83.85	313.19	99.32	4,270.36	4,214.40	55.96	76.304	
10,200.00	6,227.00	5,954.40	5,941.30	82.55	20.96	-82.93	316.70	99.46	4,354.88	4,298.97	55.90	77.902	
10,300.00	6,227.00	5,953.19	5,940.09	84.00	20.95	-82.89	316.79	99.47	4,440.84	4,384.77	56.07	79.197	
10,400.00	6,227.00	5,952.03	5,938.93	85.46	20.95	-82.87	316.87	99.47	4,527.38	4,471.14	56.24	80.502	
10,500.00	6,227.00	5,950.92	5,937.82	86.94	20.95	-82.84	316.94	99.47	4,614.46	4,558.06	56.40	81.818	
10,600.00	6,227.00	5,949.85	5,936.75	88.43	20.94	-82.81	317.02	99.48	4,702.05	4,645.50	56.55	83.143	
10,700.00	6,227.00	5,948.82	5,935.73	89.93	20.94	-82.78	317.08	99.48	4,790.13	4,733.43	56.70	84.478	
10,800.00	6,227.00	5,947.83	5,934.74	91.44	20.94	-82.76	317.15	99.48	4,878.67	4,821.82	56.85	85.820	
10,900.00	6,227.00	5,946.88	5,933.79	92.96	20.93	-82.74	317.21	99.49	4,967.64	4,910.65	56.99	87.171	
11,000.00	6,227.00	5,945.96	5,932.88	94.50	20.93	-82.71	317.27	99.49	5,057.02	4,999.90	57.12	88.528	
11,100.00	6,227.00	5,945.08	5,932.00	96.04	20.93	-82.69	317.32	99.49	5,146.79	5,089.54	57.25	89.892	
11,200.00	6,227.00	5,944.23	5,931.15	97.59	20.93	-82.67	317.37	99.49	5,236.93	5,179.55	57.38	91.263	
11,300.00	6,227.00	5,943.41	5,930.33	99.15	20.92	-82.65	317.42	99.49	5,327.42	5,269.92	57.51	92.639	
11,400.00	6,227.00	5,942.62	5,929.54	100.72	20.92	-82.63	317.47	99.50	5,418.25	5,360.62	57.63	94.021	
11,500.00	6,227.00	5,941.85	5,928.77	102.30	20.92	-82.61	317.51	99.50	5,509.39	5,451.64	57.75	95.407	
11,600.00	6,227.00	5,903.00	5,889.94	103.88	20.80	-81.63	318.74	99.55	5,601.82	5,544.19	57.64	97.188	
11,700.00	6,227.00	5,903.00	5,889.94	105.47	20.80	-81.63	318.74	99.55	5,693.52	5,635.76	57.76	98.576	
11,743.45	6,227.00	5,903.00	5,889.94	106.17	20.80	-81.63	318.74	99.55	5,733.45	5,675.64	57.81	99.182	
11,808.25	6,227.00	5,903.00	5,889.94	107.20	20.80	-82.05	318.74	99.55	5,792.80	5,734.91	57.89	100.073	
11,900.00	6,227.00	5,903.00	5,889.94	108.66	20.80	-82.05	318.74	99.55	5,876.63	5,818.63	58.00	101.317	
12,000.00	6,227.00	5,903.00	5,889.94	110.26	20.80	-82.05	318.74	99.55	5,968.26	5,910.13	58.13	102.676	
12,100.00	6,227.00	5,903.00	5,889.94	111.86	20.80	-82.05	318.74	99.55	6,060.15	6,001.91	58.25	104.039	
12,200.00	6,227.00	5,903.00	5,889.94	113.47	20.80	-82.05	318.74	99.55	6,152.30	6,093.94	58.37	105.406	
12,300.00	6,227.00	5,903.00	5,889.94	115.08	20.80	-82.05	318.74	99.55	6,244.69	6,186.21	58.48	106.776	
12,400.00	6,227.00	5,903.00	5,889.94	116.70	20.80	-82.05	318.74	99.55	6,337.31	6,278.72	58.60	108.149	
12,500.00	6,227.00	5,903.00	5,889.94	118.33	20.80	-82.05	318.74	99.55	6,430.16	6,371.45	58.71	109.525	
12,600.00	6,227.00	5,903.00	5,889.94	119.96	20.80	-82.05	318.74	99.55	6,523.21	6,464.39	58.82	110.904	
12,700.00	6,227.00	5,903.00	5,889.94	121.60	20.80	-82.05	318.74	99.55	6,616.47	6,557.54	58.93	112.284	
12,800.00	6,227.00	5,903.00	5,889.94	123.24	20.80	-82.05	318.74	99.55	6,709.92	6,650.89	59.03	113.667	
12,900.00	6,227.00	5,903.00	5,889.94	124.88	20.80	-82.05	318.74	99.55	6,803.55	6,744.42	59.13	115.052	
13,000.00	6,227.00	5,903.00	5,889.94	126.53	20.80	-82.05	318.74	99.55	6,897.37	6,838.13	59.24	116.438	
13,100.00	6,227.00	5,903.00	5,889.94	128.18	20.80	-82.05	318.74	99.55	6,991.36	6,932.02	59.34	117.826	
13,200.00	6,227.00	5,903.00	5,889.94	129.84	20.80	-82.05	318.74	99.55	7,085.51	7,026.07	59.43	119.215	
13,300.00	6,227.00	5,903.00	5,889.94	131.50	20.80	-82.05	318.74	99.55	7,179.82	7,120.29	59.53	120.605	
13,400.00	6,227.00	5,903.00	5,889.94	133.16	20.80	-82.05	318.74	99.55	7,274.28	7,214.65	59.63	121.996	
13,500.00	6,227.00	5,903.00	5,889.94	134.83	20.80	-82.05	318.74	99.55	7,368.89	7,309.17	59.72	123.387	
13,600.00	6,227.00	5,903.00	5,889.94	136.50	20.80	-82.05	318.74	99.55	7,463.64	7,403.82	59.81	124.780	
13,700.00	6,227.00	5,903.00	5,889.94	138.17	20.80	-82.05	318.74	99.55	7,558.52	7,498.61	59.91	126.172	
13,800.00	6,227.00	5,903.00	5,889.94	139.85	20.80	-82.05	318.74	99.55	7,653.53	7,593.54	60.00	127.565	
13,900.00	6,227.00	5,903.00	5,889.94	141.53	20.80	-82.05	318.74	99.55	7,748.67	7,688.59	60.09	128.958	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 218-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,000.00	6,227.00	5,903.00	5,889.94	143.21	20.80	-82.05	318.74	99.55	7,843.93	7,783.76	60.18	130.351	
14,100.00	6,227.00	5,903.00	5,889.94	144.89	20.80	-82.05	318.74	99.55	7,939.31	7,879.05	60.26	131.744	
14,200.00	6,227.00	5,903.00	5,889.94	146.58	20.80	-82.05	318.74	99.55	8,034.80	7,974.45	60.35	133.137	
14,300.00	6,227.00	5,903.00	5,889.94	148.26	20.80	-82.05	318.74	99.55	8,130.40	8,069.96	60.44	134.529	
14,400.00	6,227.00	5,903.00	5,889.94	149.96	20.80	-82.05	318.74	99.55	8,226.10	8,165.58	60.52	135.921	
14,500.00	6,227.00	5,903.00	5,889.94	151.65	20.80	-82.05	318.74	99.55	8,321.90	8,261.30	60.61	137.312	
14,600.00	6,227.00	5,903.00	5,889.94	153.34	20.80	-82.05	318.74	99.55	8,417.80	8,357.12	60.69	138.703	
14,700.00	6,227.00	5,903.00	5,889.94	155.04	20.80	-82.05	318.74	99.55	8,513.80	8,453.03	60.77	140.092	
14,800.00	6,227.00	5,903.00	5,889.94	156.74	20.80	-82.05	318.74	99.55	8,609.89	8,549.03	60.86	141.481	
14,900.00	6,227.00	5,903.00	5,889.94	158.44	20.80	-82.05	318.74	99.55	8,706.06	8,645.12	60.94	142.869	
15,000.00	6,227.00	5,903.00	5,889.94	160.14	20.80	-82.05	318.74	99.55	8,802.32	8,741.30	61.02	144.256	
15,100.00	6,227.00	5,903.00	5,889.94	161.85	20.80	-82.05	318.74	99.55	8,898.66	8,837.56	61.10	145.641	
15,200.00	6,227.00	5,903.00	5,889.94	163.56	20.80	-82.05	318.74	99.55	8,995.09	8,933.91	61.18	147.026	
15,300.00	6,227.00	5,903.00	5,889.94	165.26	20.80	-82.05	318.74	99.55	9,091.59	9,030.33	61.26	148.409	
15,400.00	6,227.00	5,903.00	5,889.94	166.97	20.80	-82.05	318.74	99.55	9,188.16	9,126.82	61.34	149.790	
15,500.00	6,227.00	5,903.00	5,889.94	168.68	20.80	-82.05	318.74	99.55	9,284.81	9,223.39	61.42	151.171	
15,600.00	6,227.00	5,903.00	5,889.94	170.40	20.80	-82.05	318.74	99.55	9,381.53	9,320.03	61.50	152.549	
15,700.00	6,227.00	5,903.00	5,889.94	172.11	20.80	-82.05	318.74	99.55	9,478.31	9,416.73	61.58	153.926	
15,800.00	6,227.00	5,903.00	5,889.94	173.83	20.80	-82.05	318.74	99.55	9,575.16	9,513.51	61.66	155.301	
15,900.00	6,227.00	5,903.00	5,889.94	175.54	20.80	-82.05	318.74	99.55	9,672.08	9,610.35	61.73	156.675	
16,000.00	6,227.00	5,903.00	5,889.94	177.26	20.80	-82.05	318.74	99.55	9,769.06	9,707.25	61.81	158.047	
16,100.00	6,227.00	5,903.00	5,889.94	178.98	20.80	-82.05	318.74	99.55	9,866.09	9,804.21	61.89	159.417	
16,200.00	6,227.00	5,903.00	5,889.94	180.70	20.80	-82.05	318.74	99.55	9,963.19	9,901.23	61.97	160.784	
16,300.00	6,227.00	5,903.00	5,889.94	182.42	20.80	-82.05	318.74	99.55	10,060.34	9,998.30	62.04	162.150	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE 11-36-1XRLNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 528-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-68.66	47.36	-121.22	130.46				
100.00	100.00	91.18	91.18	0.27	0.16	-68.64	47.38	-121.15	130.08	129.66	0.43	304.619	
200.00	200.00	191.38	191.38	0.63	0.33	-68.57	47.45	-120.89	129.87	128.91	0.96	135.377	
300.00	300.00	291.57	291.57	0.99	0.51	-68.45	47.56	-120.45	129.50	128.01	1.49	86.823	
400.00	400.00	391.77	391.77	1.34	0.68	-68.28	47.73	-119.83	128.98	126.96	2.02	63.733	
420.60	420.60	412.41	412.40	1.42	0.72	-150.30	47.77	-119.68	128.92	126.79	2.13	60.467	CC, ES
500.00	499.98	491.96	491.95	1.70	0.85	-150.48	47.94	-119.02	129.83	127.28	2.55	50.930	
600.00	599.84	591.94	591.93	2.05	1.15	-151.30	48.20	-118.06	133.61	130.42	3.19	41.859	
700.00	699.45	691.65	691.64	2.41	1.50	-152.68	48.52	-117.07	140.48	136.58	3.91	35.966	
800.00	798.70	790.90	790.88	2.79	1.86	-154.47	48.86	-116.09	150.59	145.97	4.62	32.570	
900.00	897.47	889.61	889.58	3.19	2.21	-156.51	49.18	-115.25	164.13	158.79	5.34	30.713	
1,000.00	995.62	988.24	988.21	3.62	2.57	-158.62	49.50	-114.41	181.08	175.01	6.07	29.841	
1,100.00	1,093.06	1,086.41	1,086.37	4.09	2.92	-160.65	49.88	-113.31	201.24	194.45	6.79	29.618	SF
1,200.00	1,189.64	1,177.06	1,177.02	4.59	3.23	-162.39	50.46	-113.21	225.89	218.41	7.48	30.183	
1,300.00	1,285.27	1,263.58	1,263.49	5.14	3.52	-163.93	51.26	-115.95	257.11	248.97	8.14	31.585	
1,400.00	1,379.82	1,347.73	1,347.46	5.74	3.80	-165.28	52.16	-121.36	294.75	285.98	8.78	33.578	
1,500.00	1,473.17	1,431.10	1,430.47	6.40	4.09	-166.28	54.00	-128.81	338.04	328.62	9.41	35.906	
1,600.00	1,565.21	1,510.42	1,509.29	7.12	4.37	-166.93	56.81	-137.23	386.05	376.02	10.03	38.486	
1,614.66	1,578.59	1,521.18	1,519.96	7.23	4.41	-167.01	57.20	-138.55	393.55	383.42	10.12	38.881	
1,700.00	1,656.38	1,582.46	1,580.62	7.88	4.63	-167.63	59.36	-146.97	438.52	427.92	10.59	41.397	
1,800.00	1,747.52	1,651.28	1,648.44	8.67	4.89	-168.25	61.63	-158.40	493.70	482.58	11.12	44.403	
1,900.00	1,838.67	1,726.27	1,722.05	9.47	5.19	-168.91	63.31	-172.62	550.86	539.16	11.70	47.093	
2,000.00	1,929.81	1,809.97	1,804.12	10.28	5.52	-169.68	63.69	-189.01	608.57	596.22	12.35	49.278	
2,100.00	2,020.96	1,893.40	1,886.05	11.10	5.87	-170.32	64.09	-204.76	665.76	652.75	13.01	51.171	
2,200.00	2,112.10	1,972.28	1,963.48	11.92	6.20	-170.87	63.97	-219.80	723.15	709.51	13.64	53.033	
2,300.00	2,203.25	2,055.90	2,045.50	12.75	6.56	-171.41	63.48	-236.11	780.95	766.64	14.30	54.595	
2,400.00	2,294.39	2,154.46	2,142.51	13.59	6.98	-171.91	63.29	-253.53	837.20	822.10	15.10	55.444	
2,500.00	2,385.54	2,235.10	2,221.93	14.43	7.33	-172.27	63.15	-267.51	893.24	877.49	15.75	56.709	
2,600.00	2,476.68	2,329.87	2,315.39	15.27	7.74	-172.67	62.55	-283.20	948.65	932.13	16.52	57.433	
2,700.00	2,567.83	2,412.19	2,396.63	16.11	8.09	-173.01	61.48	-296.42	1,003.70	986.52	17.19	58.405	
2,800.00	2,658.97	2,492.55	2,475.91	16.96	8.43	-173.34	60.02	-309.47	1,058.94	1,041.10	17.84	59.362	
2,900.00	2,750.12	2,584.71	2,566.86	17.80	8.83	-173.66	58.61	-324.26	1,114.03	1,095.44	18.59	59.931	
3,000.00	2,841.26	2,665.82	2,646.97	18.65	9.18	-173.88	58.04	-336.96	1,168.79	1,149.54	19.25	60.705	
3,100.00	2,932.41	2,749.37	2,729.45	19.50	9.55	-174.08	57.55	-350.24	1,223.74	1,203.80	19.94	61.371	
3,200.00	3,023.55	2,836.52	2,815.52	20.35	9.93	-174.28	56.83	-363.93	1,278.56	1,257.90	20.66	61.897	
3,300.00	3,114.70	2,922.24	2,900.21	21.21	10.30	-174.48	55.82	-377.14	1,333.14	1,311.78	21.36	62.410	
3,400.00	3,205.84	3,001.51	2,978.53	22.06	10.64	-174.67	54.52	-389.36	1,387.77	1,365.76	22.02	63.034	
3,500.00	3,296.99	3,075.53	3,051.58	22.92	10.97	-174.81	53.56	-401.21	1,442.90	1,420.27	22.63	63.757	
3,600.00	3,388.13	3,150.00	3,125.01	23.77	11.30	-174.93	53.03	-413.64	1,498.56	1,475.31	23.25	64.451	
3,700.00	3,479.28	3,235.31	3,209.07	24.63	11.68	-175.02	53.39	-428.11	1,554.41	1,530.45	23.96	64.869	
3,800.00	3,570.42	3,328.33	3,300.79	25.48	12.10	-175.06	54.78	-443.59	1,609.93	1,585.19	24.74	65.082	
3,900.00	3,661.57	3,459.06	3,430.06	26.34	12.66	-175.19	54.88	-463.01	1,664.04	1,638.24	25.80	64.497	
4,000.00	3,752.71	3,702.63	3,672.47	27.20	13.60	-175.64	49.73	-485.05	1,713.96	1,686.37	27.59	62.119	
4,100.00	3,843.86	3,853.97	3,823.76	28.05	14.10	-175.79	50.31	-487.94	1,756.41	1,727.72	28.68	61.236	
4,200.00	3,935.00	3,952.91	3,922.70	28.91	14.41	-175.88	50.71	-488.38	1,797.83	1,768.37	29.46	61.033	
4,300.00	4,026.15	4,041.89	4,011.68	29.77	14.69	-175.97	50.65	-488.49	1,839.00	1,808.83	30.18	60.943	
4,400.00	4,117.29	4,124.23	4,094.03	30.63	14.95	-176.04	50.72	-488.93	1,880.54	1,849.68	30.86	60.944	
4,500.00	4,208.44	4,209.39	4,179.18	31.49	15.22	-176.11	51.00	-489.78	1,922.48	1,890.92	31.56	60.923	
4,600.00	4,299.58	4,301.54	4,271.32	32.35	15.53	-176.18	51.45	-490.75	1,964.47	1,932.17	32.30	60.818	
4,700.00	4,390.73	4,391.51	4,361.29	33.21	15.83	-176.24	52.01	-491.66	2,006.41	1,973.37	33.03	60.739	
4,800.00	4,481.88	4,474.50	4,444.27	34.07	16.11	-176.28	52.64	-492.72	2,048.57	2,014.85	33.72	60.745	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE 11-36-1XRLNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 528-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,900.00	4,573.02	4,561.00	4,530.75	34.93	16.40	-176.33	53.40	-494.16	2,091.08	2,056.65	34.44	60.723	
5,000.00	4,664.17	4,643.08	4,612.81	35.79	16.68	-176.37	54.13	-495.77	2,133.86	2,098.74	35.12	60.755	
5,100.00	4,755.31	4,728.94	4,698.65	36.65	16.97	-176.41	54.80	-497.62	2,176.83	2,141.00	35.83	60.751	
5,200.00	4,846.46	4,822.29	4,791.97	37.51	17.29	-176.45	55.66	-499.72	2,219.87	2,183.28	36.59	60.669	
5,300.00	4,937.60	4,918.49	4,888.13	38.37	17.62	-176.47	57.28	-501.71	2,262.69	2,225.32	37.37	60.555	
5,400.00	5,028.75	5,008.79	4,978.40	39.23	17.93	-176.46	59.47	-503.48	2,305.36	2,267.25	38.11	60.500	
5,500.00	5,119.89	5,160.12	5,129.68	40.09	18.42	-176.50	61.86	-504.49	2,346.95	2,307.74	39.21	59.859	
5,600.00	5,211.04	5,260.29	5,229.85	40.96	18.73	-176.56	62.28	-503.54	2,387.13	2,347.14	39.99	59.696	
5,700.00	5,302.18	5,356.66	5,326.21	41.82	19.04	-176.61	62.79	-502.32	2,427.01	2,386.26	40.75	59.563	
5,800.00	5,393.33	5,446.79	5,416.33	42.68	19.32	-176.65	63.42	-501.17	2,466.87	2,425.40	41.47	59.484	
5,900.00	5,484.47	5,535.53	5,505.06	43.54	19.60	-176.69	64.18	-500.11	2,506.80	2,464.62	42.19	59.419	
6,000.00	5,575.62	5,621.32	5,590.85	44.40	19.87	-176.72	65.03	-499.27	2,546.92	2,504.03	42.89	59.382	
6,100.00	5,666.76	5,701.00	5,670.52	45.26	20.13	-176.76	65.13	-498.57	2,587.21	2,543.66	43.55	59.403	
6,175.79	5,735.84	5,749.00	5,718.49	45.92	20.28	-176.83	63.57	-498.33	2,618.24	2,574.26	43.98	59.537	
6,200.00	5,757.87	5,766.37	5,735.81	46.13	20.34	-170.55	62.35	-498.31	2,628.32	2,584.20	44.12	59.567	
6,250.00	5,803.02	5,795.00	5,764.31	46.56	20.43	-158.38	59.61	-498.22	2,649.40	2,605.02	44.38	59.695	
6,300.00	5,847.42	5,833.52	5,802.47	46.99	20.55	-147.74	54.42	-498.10	2,670.78	2,626.08	44.70	59.751	
6,350.00	5,890.72	5,860.70	5,829.25	47.41	20.63	-138.55	49.73	-498.06	2,692.46	2,647.52	44.94	59.909	
6,400.00	5,932.60	5,890.00	5,857.93	47.83	20.73	-130.78	43.73	-498.07	2,714.34	2,669.14	45.20	60.058	
6,450.00	5,972.74	5,890.00	5,857.93	48.23	20.73	-123.72	43.73	-498.07	2,736.39	2,691.13	45.26	60.462	
6,500.00	6,010.83	5,916.22	5,883.43	48.61	20.81	-118.01	37.64	-498.21	2,758.41	2,712.93	45.48	60.647	
6,550.00	6,046.58	5,928.25	5,895.08	48.98	20.85	-112.82	34.66	-498.35	2,780.46	2,734.84	45.61	60.960	
6,600.00	6,079.73	5,938.40	5,904.89	49.33	20.88	-108.22	32.06	-498.51	2,802.35	2,756.63	45.72	61.292	
6,650.00	6,110.01	5,946.68	5,912.88	49.67	20.91	-104.12	29.87	-498.66	2,823.97	2,778.16	45.82	61.638	
6,700.00	6,137.21	5,953.11	5,919.06	49.98	20.93	-100.43	28.13	-498.79	2,845.20	2,799.31	45.90	61.994	
6,750.00	6,161.10	5,985.00	5,949.61	50.28	21.03	-97.70	19.02	-499.65	2,866.22	2,820.07	46.15	62.104	
6,800.00	6,181.52	5,985.00	5,949.61	50.55	21.03	-94.65	19.02	-499.65	2,886.23	2,840.04	46.19	62.485	
6,850.00	6,198.29	5,985.00	5,949.61	50.81	21.03	-91.95	19.02	-499.65	2,905.51	2,859.28	46.23	62.845	
6,900.00	6,211.31	5,985.00	5,949.61	51.05	21.03	-89.57	19.02	-499.65	2,923.92	2,877.64	46.28	63.176	
6,950.00	6,220.46	5,985.00	5,949.61	51.27	21.03	-87.52	19.02	-499.65	2,941.36	2,895.01	46.34	63.471	
7,000.00	6,225.68	5,985.00	5,949.61	51.47	21.03	-85.77	19.02	-499.65	2,957.69	2,911.27	46.41	63.724	
7,040.67	6,227.00	5,952.36	5,918.34	51.63	20.93	-83.94	28.34	-498.78	2,969.61	2,923.37	46.24	64.222	
7,100.00	6,227.00	5,946.40	5,912.61	51.85	20.91	-83.83	29.94	-498.65	2,987.44	2,941.12	46.31	64.505	
7,200.00	6,227.00	5,936.82	5,903.37	52.25	20.88	-83.64	32.47	-498.48	3,019.81	2,973.33	46.48	64.972	
7,300.00	6,227.00	5,927.78	5,894.63	52.70	20.85	-83.47	34.78	-498.35	3,055.04	3,008.36	46.69	65.439	
7,400.00	6,227.00	5,890.00	5,857.93	53.18	20.73	-82.73	43.73	-498.07	3,093.44	3,046.74	46.70	66.246	
7,500.00	6,227.00	5,890.00	5,857.93	53.71	20.73	-82.73	43.73	-498.07	3,133.90	3,086.87	47.03	66.630	
7,600.00	6,227.00	5,890.00	5,857.93	54.28	20.73	-82.73	43.73	-498.07	3,177.00	3,129.60	47.40	67.030	
7,700.00	6,227.00	5,890.00	5,857.93	54.89	20.73	-82.73	43.73	-498.07	3,222.62	3,174.85	47.78	67.452	
7,800.00	6,227.00	5,890.00	5,857.93	55.55	20.73	-82.73	43.73	-498.07	3,270.67	3,222.50	48.17	67.897	
7,900.00	6,227.00	5,890.00	5,857.93	56.25	20.73	-82.73	43.73	-498.07	3,321.04	3,272.46	48.58	68.368	
8,000.00	6,227.00	5,890.00	5,857.93	56.99	20.73	-82.73	43.73	-498.07	3,373.61	3,324.63	48.99	68.868	
8,100.00	6,227.00	5,890.00	5,857.93	57.78	20.73	-82.73	43.73	-498.07	3,428.30	3,378.90	49.40	69.398	
8,200.00	6,227.00	5,890.00	5,857.93	58.62	20.73	-82.73	43.73	-498.07	3,485.00	3,435.19	49.81	69.959	
8,300.00	6,227.00	5,890.00	5,857.93	59.49	20.73	-82.73	43.73	-498.07	3,543.62	3,493.39	50.23	70.551	
8,400.00	6,227.00	5,853.85	5,822.52	60.41	20.61	-82.03	51.00	-498.07	3,603.38	3,553.00	50.37	71.535	
8,500.00	6,227.00	5,849.18	5,817.92	61.37	20.60	-81.94	51.83	-498.07	3,665.35	3,614.60	50.74	72.231	
8,600.00	6,227.00	5,844.77	5,813.58	62.37	20.58	-81.85	52.59	-498.08	3,728.95	3,677.83	51.11	72.954	
8,700.00	6,227.00	5,840.61	5,809.48	63.41	20.57	-81.77	53.28	-498.08	3,794.10	3,742.62	51.48	73.704	
8,800.00	6,227.00	5,836.69	5,805.60	64.49	20.56	-81.69	53.92	-498.09	3,860.73	3,808.89	51.83	74.481	
8,900.00	6,227.00	5,832.97	5,801.93	65.60	20.55	-81.62	54.51	-498.10	3,928.75	3,876.57	52.19	75.285	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE 11-36-1XRLNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 528-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,000.00	6,227.00	5,795.00	5,764.31	66.74	20.43	-80.87	59.61	-498.22	3,998.76	3,946.48	52.29	76.476	
9,100.00	6,227.00	5,795.00	5,764.31	67.92	20.43	-80.87	59.61	-498.22	4,069.27	4,016.62	52.65	77.291	
9,200.00	6,227.00	5,795.00	5,764.31	69.13	20.43	-80.87	59.61	-498.22	4,140.98	4,087.98	53.00	78.134	
9,300.00	6,227.00	5,795.00	5,764.31	70.37	20.43	-80.87	59.61	-498.22	4,213.85	4,160.51	53.34	79.002	
9,400.00	6,227.00	5,795.00	5,764.31	71.63	20.43	-80.87	59.61	-498.22	4,287.81	4,234.15	53.67	79.895	
9,500.00	6,227.00	5,795.00	5,764.31	72.92	20.43	-80.87	59.61	-498.22	4,362.82	4,308.83	53.99	80.812	
9,600.00	6,227.00	5,795.00	5,764.31	74.23	20.43	-80.87	59.61	-498.22	4,438.80	4,384.51	54.30	81.751	
9,700.00	6,227.00	5,795.00	5,764.31	75.57	20.43	-80.87	59.61	-498.22	4,515.73	4,461.13	54.60	82.713	
9,800.00	6,227.00	5,795.00	5,764.31	76.93	20.43	-80.87	59.61	-498.22	4,593.54	4,538.65	54.88	83.694	
9,900.00	6,227.00	5,795.00	5,764.31	78.31	20.43	-80.87	59.61	-498.22	4,672.19	4,617.03	55.16	84.696	
10,000.00	6,227.00	5,795.00	5,764.31	79.71	20.43	-80.87	59.61	-498.22	4,751.65	4,696.22	55.44	85.715	
10,100.00	6,227.00	5,795.00	5,764.31	81.12	20.43	-80.87	59.61	-498.22	4,831.88	4,776.18	55.70	86.753	
10,200.00	6,227.00	5,795.00	5,764.31	82.55	20.43	-80.87	59.61	-498.22	4,912.82	4,856.87	55.95	87.807	
10,300.00	6,227.00	5,795.00	5,764.31	84.00	20.43	-80.87	59.61	-498.22	4,994.46	4,938.27	56.20	88.877	
10,400.00	6,227.00	5,795.00	5,764.31	85.46	20.43	-80.87	59.61	-498.22	5,076.76	5,020.32	56.43	89.961	
10,500.00	6,227.00	5,795.00	5,764.31	86.94	20.43	-80.87	59.61	-498.22	5,159.68	5,103.01	56.66	91.060	
10,600.00	6,227.00	5,795.00	5,764.31	88.43	20.43	-80.87	59.61	-498.22	5,243.19	5,186.31	56.88	92.173	
10,700.00	6,227.00	5,795.00	5,764.31	89.93	20.43	-80.87	59.61	-498.22	5,327.28	5,270.18	57.10	93.298	
10,800.00	6,227.00	5,795.00	5,764.31	91.44	20.43	-80.87	59.61	-498.22	5,411.90	5,354.59	57.31	94.435	
10,900.00	6,227.00	5,795.00	5,764.31	92.96	20.43	-80.87	59.61	-498.22	5,497.04	5,439.53	57.51	95.583	
11,000.00	6,227.00	5,795.00	5,764.31	94.50	20.43	-80.87	59.61	-498.22	5,582.68	5,524.97	57.71	96.742	
11,100.00	6,227.00	5,795.00	5,764.31	96.04	20.43	-80.87	59.61	-498.22	5,668.78	5,610.89	57.90	97.912	
11,200.00	6,227.00	5,795.00	5,764.31	97.59	20.43	-80.87	59.61	-498.22	5,755.34	5,697.26	58.08	99.091	
11,300.00	6,227.00	5,795.00	5,764.31	99.15	20.43	-80.87	59.61	-498.22	5,842.32	5,784.06	58.26	100.278	
11,400.00	6,227.00	5,795.00	5,764.31	100.72	20.43	-80.87	59.61	-498.22	5,929.72	5,871.28	58.44	101.475	
11,500.00	6,227.00	5,795.00	5,764.31	102.30	20.43	-80.87	59.61	-498.22	6,017.50	5,958.90	58.60	102.679	
11,600.00	6,227.00	5,774.92	5,744.34	103.88	20.36	-80.48	61.63	-498.29	6,105.44	6,046.77	58.67	104.071	
11,700.00	6,227.00	5,773.65	5,743.07	105.47	20.36	-80.46	61.74	-498.29	6,193.93	6,135.11	58.82	105.301	
11,743.45	6,227.00	5,773.11	5,742.54	106.17	20.36	-80.44	61.79	-498.29	6,232.49	6,173.60	58.89	105.838	
11,808.25	6,227.00	5,772.32	5,741.75	107.20	20.35	-80.83	61.86	-498.29	6,289.78	6,230.79	58.99	106.625	
11,900.00	6,227.00	5,771.23	5,740.66	108.66	20.35	-80.81	61.95	-498.30	6,370.66	6,311.52	59.14	107.721	
12,000.00	6,227.00	5,770.08	5,739.51	110.26	20.35	-80.79	62.05	-498.30	6,459.15	6,399.85	59.30	108.921	
12,100.00	6,227.00	5,768.96	5,738.40	111.86	20.34	-80.77	62.14	-498.30	6,547.96	6,488.50	59.46	110.126	
12,200.00	6,227.00	5,749.00	5,718.49	113.47	20.28	-80.39	63.57	-498.33	6,637.30	6,577.78	59.52	111.517	
12,300.00	6,227.00	5,749.00	5,718.49	115.08	20.28	-80.39	63.57	-498.33	6,726.72	6,667.04	59.67	112.724	
12,400.00	6,227.00	5,749.00	5,718.49	116.70	20.28	-80.39	63.57	-498.33	6,816.43	6,756.60	59.83	113.936	
12,500.00	6,227.00	5,749.00	5,718.49	118.33	20.28	-80.39	63.57	-498.33	6,906.42	6,846.44	59.98	115.153	
12,600.00	6,227.00	5,749.00	5,718.49	119.96	20.28	-80.39	63.57	-498.33	6,996.68	6,936.56	60.12	116.375	
12,700.00	6,227.00	5,749.00	5,718.49	121.60	20.28	-80.39	63.57	-498.33	7,087.21	7,026.95	60.26	117.602	
12,800.00	6,227.00	5,749.00	5,718.49	123.24	20.28	-80.39	63.57	-498.33	7,177.99	7,117.58	60.40	118.833	
12,900.00	6,227.00	5,749.00	5,718.49	124.88	20.28	-80.39	63.57	-498.33	7,269.01	7,208.47	60.54	120.068	
13,000.00	6,227.00	5,749.00	5,718.49	126.53	20.28	-80.39	63.57	-498.33	7,360.26	7,299.58	60.68	121.306	
13,100.00	6,227.00	5,749.00	5,718.49	128.18	20.28	-80.39	63.57	-498.33	7,451.74	7,390.93	60.81	122.548	
13,200.00	6,227.00	5,749.00	5,718.49	129.84	20.28	-80.39	63.57	-498.33	7,543.43	7,482.49	60.94	123.794	
13,300.00	6,227.00	5,749.00	5,718.49	131.50	20.28	-80.39	63.57	-498.33	7,635.33	7,574.27	61.06	125.042	
13,400.00	6,227.00	5,749.00	5,718.49	133.16	20.28	-80.39	63.57	-498.33	7,727.43	7,666.25	61.19	126.293	
13,500.00	6,227.00	5,749.00	5,718.49	134.83	20.28	-80.39	63.57	-498.33	7,819.73	7,758.42	61.31	127.547	
13,600.00	6,227.00	5,749.00	5,718.49	136.50	20.28	-80.39	63.57	-498.33	7,912.22	7,850.79	61.43	128.803	
13,700.00	6,227.00	5,749.00	5,718.49	138.17	20.28	-80.39	63.57	-498.33	8,004.88	7,943.33	61.55	130.061	
13,800.00	6,227.00	5,749.00	5,718.49	139.85	20.28	-80.39	63.57	-498.33	8,097.72	8,036.06	61.66	131.322	
13,900.00	6,227.00	5,749.00	5,718.49	141.53	20.28	-80.39	63.57	-498.33	8,190.73	8,128.95	61.78	132.584	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE 11-36-1XRLNB - OWB - FINAL SURVEY		Offset Site Error:		0.00 usft	
Survey Program:				528-MWD OWSG										Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis				Distance						Warning				
Measured Depth 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						
14,000.00	6,227.00	5,749.00	5,718.49	143.21	20.28	-80.39	63.57	-498.33	8,283.90	8,222.01	61.89	133.848						
14,100.00	6,227.00	5,749.00	5,718.49	144.89	20.28	-80.39	63.57	-498.33	8,377.23	8,315.23	62.00	135.113						
14,200.00	6,227.00	5,749.00	5,718.49	146.58	20.28	-80.39	63.57	-498.33	8,470.71	8,408.60	62.11	136.380						
14,300.00	6,227.00	5,749.00	5,718.49	148.26	20.28	-80.39	63.57	-498.33	8,564.34	8,502.12	62.22	137.648						
14,400.00	6,227.00	5,749.00	5,718.49	149.96	20.28	-80.39	63.57	-498.33	8,658.11	8,595.78	62.33	138.917						
14,500.00	6,227.00	5,749.00	5,718.49	151.65	20.28	-80.39	63.57	-498.33	8,752.02	8,689.58	62.43	140.187						
14,600.00	6,227.00	5,749.00	5,718.49	153.34	20.28	-80.39	63.57	-498.33	8,846.06	8,783.52	62.54	141.457						
14,700.00	6,227.00	5,749.00	5,718.49	155.04	20.28	-80.39	63.57	-498.33	8,940.23	8,877.59	62.64	142.729						
14,800.00	6,227.00	5,749.00	5,718.49	156.74	20.28	-80.39	63.57	-498.33	9,034.53	8,971.79	62.74	144.001						
14,900.00	6,227.00	5,749.00	5,718.49	158.44	20.28	-80.39	63.57	-498.33	9,128.94	9,066.10	62.84	145.273						
15,000.00	6,227.00	5,749.00	5,718.49	160.14	20.28	-80.39	63.57	-498.33	9,223.48	9,160.54	62.94	146.546						
15,100.00	6,227.00	5,749.00	5,718.49	161.85	20.28	-80.39	63.57	-498.33	9,318.13	9,255.09	63.04	147.819						
15,200.00	6,227.00	5,749.00	5,718.49	163.56	20.28	-80.39	63.57	-498.33	9,412.89	9,349.75	63.13	149.092						
15,300.00	6,227.00	5,749.00	5,718.49	165.26	20.28	-80.39	63.57	-498.33	9,507.76	9,444.52	63.23	150.365						
15,400.00	6,227.00	5,749.00	5,718.49	166.97	20.28	-80.39	63.57	-498.33	9,602.73	9,539.40	63.33	151.637						
15,500.00	6,227.00	5,749.00	5,718.49	168.68	20.28	-80.39	63.57	-498.33	9,697.80	9,634.38	63.42	152.910						
15,600.00	6,227.00	5,749.00	5,718.49	170.40	20.28	-80.39	63.57	-498.33	9,792.97	9,729.46	63.52	154.182						
15,700.00	6,227.00	5,749.00	5,718.49	172.11	20.28	-80.39	63.57	-498.33	9,888.24	9,824.63	63.61	155.454						
15,800.00	6,227.00	5,749.00	5,718.49	173.83	20.28	-80.39	63.57	-498.33	9,983.60	9,919.90	63.70	156.726						

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE 34-31-36HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 98-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	2.82	2.82	0.00	0.00	141.60	-4,294.96	3,404.64	5,480.72				
100.00	100.00	118.98	118.98	0.27	0.23	141.59	-4,294.73	3,404.68	5,480.59	5,480.09	0.50	N/A	
200.00	200.00	238.63	238.63	0.63	0.66	141.59	-4,294.05	3,404.48	5,480.03	5,478.75	1.28	4,272.205	
300.00	300.00	328.69	328.69	0.99	0.98	141.59	-4,293.47	3,404.33	5,479.41	5,477.45	1.96	2,791.627	
400.00	400.00	416.00	415.99	1.34	1.29	141.58	-4,293.03	3,404.47	5,479.12	5,476.49	2.63	2,081.454	
500.00	499.98	532.26	532.26	1.70	1.70	59.57	-4,292.29	3,404.56	5,477.77	5,474.37	3.40	1,611.217	
600.00	599.84	634.55	634.54	2.05	2.07	59.67	-4,291.40	3,404.80	5,474.58	5,470.46	4.12	1,329.544	
700.00	699.45	751.20	751.19	2.41	2.49	59.84	-4,290.25	3,404.89	5,469.46	5,464.56	4.90	1,117.052	
800.00	798.70	848.31	848.28	2.79	2.84	60.06	-4,289.02	3,404.96	5,462.37	5,456.76	5.62	972.484	
900.00	897.47	926.31	926.28	3.19	3.11	60.32	-4,288.21	3,405.09	5,453.81	5,447.53	6.28	868.481	
1,000.00	995.62	1,215.47	1,215.00	3.62	4.11	61.16	-4,291.70	3,391.74	5,443.09	5,435.41	7.68	708.433	
1,100.00	1,093.06	1,279.50	1,278.65	4.09	4.33	61.63	-4,293.75	3,385.09	5,428.30	5,419.95	8.35	650.277	
1,200.00	1,189.64	1,342.31	1,340.95	4.59	4.56	62.14	-4,296.85	3,377.73	5,412.57	5,403.52	9.05	598.317	
1,300.00	1,285.27	1,377.90	1,376.19	5.14	4.69	62.58	-4,299.12	3,373.27	5,396.18	5,386.50	9.69	557.041	
1,400.00	1,379.82	1,424.38	1,422.14	5.74	4.87	63.10	-4,302.72	3,367.30	5,379.30	5,368.89	10.42	516.441	
1,500.00	1,473.17	1,476.40	1,473.48	6.40	5.07	63.68	-4,307.69	3,360.58	5,362.22	5,351.00	11.22	478.045	
1,600.00	1,565.21	10,874.00	6,363.27	7.12	81.05	69.54	-67.58	2,590.78	5,339.38	5,284.10	55.28	96.583	
1,614.66	1,578.59	10,874.00	6,363.27	7.23	81.05	72.82	-67.58	2,590.78	5,324.77	5,269.47	55.30	96.292	
1,700.00	1,656.38	10,874.00	6,363.27	7.88	81.05	72.82	-67.58	2,590.78	5,239.74	5,184.36	55.38	94.611	
1,800.00	1,747.52	10,874.00	6,363.27	8.67	81.05	72.82	-67.58	2,590.78	5,140.11	5,084.62	55.48	92.640	
1,900.00	1,838.67	10,874.00	6,363.27	9.47	81.05	72.82	-67.58	2,590.78	5,040.49	4,984.90	55.59	90.667	
2,000.00	1,929.81	10,874.00	6,363.27	10.28	81.05	72.82	-67.58	2,590.78	4,940.89	4,885.18	55.71	88.692	
2,100.00	2,020.96	10,874.00	6,363.27	11.10	81.05	72.82	-67.58	2,590.78	4,841.30	4,785.48	55.83	86.717	
2,200.00	2,112.10	10,874.00	6,363.27	11.92	81.05	72.82	-67.58	2,590.78	4,741.74	4,685.78	55.95	84.742	
2,300.00	2,203.25	10,874.00	6,363.27	12.75	81.05	72.82	-67.58	2,590.78	4,642.19	4,586.10	56.09	82.767	
2,400.00	2,294.39	10,874.00	6,363.27	13.59	81.05	72.82	-67.58	2,590.78	4,542.66	4,486.43	56.23	80.793	
2,500.00	2,385.54	10,874.00	6,363.27	14.43	81.05	72.82	-67.58	2,590.78	4,443.15	4,386.78	56.37	78.820	
2,600.00	2,476.68	10,874.00	6,363.27	15.27	81.05	72.82	-67.58	2,590.78	4,343.67	4,287.14	56.52	76.849	
2,700.00	2,567.83	10,874.00	6,363.27	16.11	81.05	72.82	-67.58	2,590.78	4,244.21	4,187.53	56.68	74.879	
2,800.00	2,658.97	10,874.00	6,363.27	16.96	81.05	72.82	-67.58	2,590.78	4,144.77	4,087.93	56.85	72.913	
2,900.00	2,750.12	10,874.00	6,363.27	17.80	81.05	72.82	-67.58	2,590.78	4,045.36	3,988.35	57.02	70.949	
3,000.00	2,841.26	10,874.00	6,363.27	18.65	81.05	72.82	-67.58	2,590.78	3,945.99	3,888.79	57.20	68.989	
3,100.00	2,932.41	10,874.00	6,363.27	19.50	81.05	72.82	-67.58	2,590.78	3,846.64	3,789.26	57.39	67.032	
3,200.00	3,023.55	10,874.00	6,363.27	20.35	81.05	72.82	-67.58	2,590.78	3,747.33	3,689.75	57.58	65.079	
3,300.00	3,114.70	10,874.00	6,363.27	21.21	81.05	72.82	-67.58	2,590.78	3,648.06	3,590.27	57.79	63.131	
3,400.00	3,205.84	10,874.00	6,363.27	22.06	81.05	72.82	-67.58	2,590.78	3,548.83	3,490.83	58.00	61.187	
3,500.00	3,296.99	10,874.00	6,363.27	22.92	81.05	72.82	-67.58	2,590.78	3,449.64	3,391.42	58.22	59.248	
3,600.00	3,388.13	10,874.00	6,363.27	23.77	81.05	72.82	-67.58	2,590.78	3,350.50	3,292.05	58.46	57.315	
3,700.00	3,479.28	10,874.00	6,363.27	24.63	81.05	72.82	-67.58	2,590.78	3,251.42	3,192.71	58.70	55.387	
3,800.00	3,570.42	10,874.00	6,363.27	25.48	81.05	72.82	-67.58	2,590.78	3,152.39	3,093.43	58.96	53.465	
3,900.00	3,661.57	10,874.00	6,363.27	26.34	81.05	72.82	-67.58	2,590.78	3,053.42	2,994.19	59.23	51.549	
4,000.00	3,752.71	10,874.00	6,363.27	27.20	81.05	72.82	-67.58	2,590.78	2,954.53	2,895.01	59.52	49.639	
4,100.00	3,843.86	10,874.00	6,363.27	28.05	81.05	72.82	-67.58	2,590.78	2,855.71	2,795.89	59.82	47.737	
4,200.00	3,935.00	10,874.00	6,363.27	28.91	81.05	72.82	-67.58	2,590.78	2,756.98	2,696.84	60.14	45.842	
4,300.00	4,026.15	10,874.00	6,363.27	29.77	81.05	72.82	-67.58	2,590.78	2,658.34	2,597.86	60.48	43.954	
4,400.00	4,117.29	10,874.00	6,363.27	30.63	81.05	72.82	-67.58	2,590.78	2,559.81	2,498.97	60.84	42.075	
4,500.00	4,208.44	10,874.00	6,363.27	31.49	81.05	72.82	-67.58	2,590.78	2,461.39	2,400.17	61.22	40.203	
4,600.00	4,299.58	10,874.00	6,363.27	32.35	81.05	72.82	-67.58	2,590.78	2,363.11	2,301.48	61.63	38.341	
4,700.00	4,390.73	10,874.00	6,363.27	33.21	81.05	72.82	-67.58	2,590.78	2,264.98	2,202.91	62.07	36.489	
4,800.00	4,481.88	10,874.00	6,363.27	34.07	81.05	72.82	-67.58	2,590.78	2,167.02	2,104.48	62.55	34.646	
4,900.00	4,573.02	10,874.00	6,363.27	34.93	81.05	72.82	-67.58	2,590.78	2,069.26	2,006.20	63.06	32.815	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE 34-31-36HNB - OWB - FINAL SURVEY												Offset Well Error:	0.00 usft
Survey Program: 98-MWD OWSG													
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
5,000.00	4,664.17	10,874.00	6,363.27	35.79	81.05	72.82	-67.58	2,590.78	1,971.72	1,908.11	63.61	30.995	
5,100.00	4,755.31	10,874.00	6,363.27	36.65	81.05	72.82	-67.58	2,590.78	1,874.44	1,810.22	64.22	29.189	
5,200.00	4,846.46	10,874.00	6,363.27	37.51	81.05	72.82	-67.58	2,590.78	1,777.46	1,712.58	64.88	27.397	
5,300.00	4,937.60	10,874.00	6,363.27	38.37	81.05	72.82	-67.58	2,590.78	1,680.84	1,615.23	65.61	25.620	
5,400.00	5,028.75	10,874.00	6,363.27	39.23	81.05	72.82	-67.58	2,590.78	1,584.63	1,518.22	66.41	23.862	
5,500.00	5,119.89	10,874.00	6,363.27	40.09	81.05	72.82	-67.58	2,590.78	1,488.92	1,421.62	67.30	22.124	
5,600.00	5,211.04	10,874.00	6,363.27	40.96	81.05	72.82	-67.58	2,590.78	1,393.82	1,325.53	68.29	20.409	
5,700.00	5,302.18	10,874.00	6,363.27	41.82	81.05	72.82	-67.58	2,590.78	1,299.45	1,230.04	69.41	18.721	
5,800.00	5,393.33	10,874.00	6,363.27	42.68	81.05	72.82	-67.58	2,590.78	1,205.99	1,135.33	70.67	17.065	
5,900.00	5,484.47	10,874.00	6,363.27	43.54	81.05	72.82	-67.58	2,590.78	1,113.67	1,041.58	72.09	15.448	
6,000.00	5,575.62	10,874.00	6,363.27	44.40	81.05	72.82	-67.58	2,590.78	1,022.80	949.09	73.71	13.876	
6,100.00	5,666.76	10,874.00	6,363.27	45.26	81.05	72.82	-67.58	2,590.78	933.78	858.24	75.54	12.361	
6,175.79	5,735.84	10,874.00	6,363.27	45.92	81.05	72.82	-67.58	2,590.78	867.92	790.83	77.09	11.259	
6,200.00	5,757.87	10,874.00	6,363.27	46.13	81.05	79.61	-67.58	2,590.78	847.48	769.86	77.62	10.919	
6,250.00	5,803.02	10,874.00	6,363.27	46.56	81.05	92.08	-67.58	2,590.78	807.71	728.93	78.78	10.252	
6,300.00	5,847.42	10,874.00	6,363.27	46.99	81.05	102.42	-67.58	2,590.78	771.91	691.90	80.01	9.647	
6,350.00	5,890.72	10,874.00	6,363.27	47.41	81.05	110.76	-67.58	2,590.78	740.96	659.72	81.24	9.120	
6,400.00	5,932.60	10,874.00	6,363.27	47.83	81.05	117.38	-67.58	2,590.78	715.73	633.34	82.38	8.688	
6,450.00	5,972.74	10,874.00	6,363.27	48.23	81.05	122.58	-67.58	2,590.78	697.04	613.70	83.34	8.364	
6,500.00	6,010.83	10,874.00	6,363.27	48.61	81.05	126.62	-67.58	2,590.78	685.57	601.56	84.01	8.160	
6,549.18	6,046.02	10,874.00	6,363.27	48.98	81.05	129.67	-67.58	2,590.78	681.78	597.43	84.35	8.083 CC	
6,550.00	6,046.58	10,874.00	6,363.27	48.98	81.05	129.72	-67.58	2,590.78	681.78	597.43	84.35	8.083 ES, SF	
6,600.00	6,079.73	10,874.00	6,363.27	49.33	81.05	132.02	-67.58	2,590.78	685.82	601.48	84.34	8.131	
6,650.00	6,110.01	10,874.00	6,363.27	49.67	81.05	133.64	-67.58	2,590.78	697.53	613.50	84.03	8.301	
6,700.00	6,137.21	10,874.00	6,363.27	49.98	81.05	134.62	-67.58	2,590.78	716.45	632.95	83.50	8.580	
6,750.00	6,161.10	10,874.00	6,363.27	50.28	81.05	135.00	-67.58	2,590.78	741.88	659.03	82.85	8.955	
6,800.00	6,181.52	10,874.00	6,363.27	50.55	81.05	134.73	-67.58	2,590.78	773.01	690.84	82.16	9.408	
6,850.00	6,198.29	10,874.00	6,363.27	50.81	81.05	133.71	-67.58	2,590.78	808.94	727.43	81.51	9.924	
6,900.00	6,211.31	10,874.00	6,363.27	51.05	81.05	131.77	-67.58	2,590.78	848.83	767.89	80.94	10.487	
6,950.00	6,220.46	10,874.00	6,363.27	51.27	81.05	128.53	-67.58	2,590.78	891.85	811.39	80.46	11.085	
7,000.00	6,225.68	10,874.00	6,363.27	51.47	81.05	123.31	-67.58	2,590.78	937.27	857.21	80.06	11.707	
7,040.67	6,227.00	10,874.00	6,363.27	51.63	81.05	116.72	-67.58	2,590.78	975.54	895.73	79.81	12.224	
7,100.00	6,227.00	10,874.00	6,363.27	51.85	81.05	116.72	-67.58	2,590.78	1,032.20	952.70	79.50	12.984	
7,200.00	6,227.00	10,874.00	6,363.27	52.25	81.05	116.72	-67.58	2,590.78	1,128.32	1,049.22	79.11	14.264	
7,300.00	6,227.00	10,874.00	6,363.27	52.70	81.05	116.72	-67.58	2,590.78	1,225.07	1,146.23	78.84	15.540	
7,400.00	6,227.00	10,874.00	6,363.27	53.18	81.05	116.72	-67.58	2,590.78	1,322.30	1,243.64	78.65	16.812	
7,500.00	6,227.00	10,874.00	6,363.27	53.71	81.05	116.72	-67.58	2,590.78	1,419.91	1,341.38	78.53	18.080	
7,600.00	6,227.00	10,874.00	6,363.27	54.28	81.05	116.72	-67.58	2,590.78	1,517.84	1,439.38	78.46	19.345	
7,700.00	6,227.00	10,874.00	6,363.27	54.89	81.05	116.72	-67.58	2,590.78	1,616.02	1,537.60	78.42	20.607	
7,800.00	6,227.00	10,874.00	6,363.27	55.55	81.05	116.72	-67.58	2,590.78	1,714.41	1,636.00	78.40	21.866	
7,900.00	6,227.00	10,874.00	6,363.27	56.25	81.05	116.72	-67.58	2,590.78	1,812.97	1,734.57	78.41	23.123	
8,000.00	6,227.00	10,874.00	6,363.27	56.99	81.05	116.72	-67.58	2,590.78	1,911.69	1,833.27	78.42	24.378	
8,100.00	6,227.00	10,874.00	6,363.27	57.78	81.05	116.72	-67.58	2,590.78	2,010.53	1,932.09	78.44	25.630	
8,200.00	6,227.00	10,874.00	6,363.27	58.62	81.05	116.72	-67.58	2,590.78	2,109.48	2,031.01	78.48	26.881	
8,300.00	6,227.00	10,874.00	6,363.27	59.49	81.05	116.72	-67.58	2,590.78	2,208.53	2,130.02	78.51	28.130	
8,400.00	6,227.00	10,874.00	6,363.27	60.41	81.05	116.72	-67.58	2,590.78	2,307.65	2,229.10	78.55	29.378	
8,500.00	6,227.00	10,874.00	6,363.27	61.37	81.05	116.72	-67.58	2,590.78	2,406.85	2,328.26	78.59	30.624	
8,600.00	6,227.00	10,874.00	6,363.27	62.37	81.05	116.72	-67.58	2,590.78	2,506.12	2,427.48	78.64	31.869	
8,700.00	6,227.00	10,874.00	6,363.27	63.41	81.05	116.72	-67.58	2,590.78	2,605.44	2,526.76	78.68	33.113	
8,800.00	6,227.00	10,874.00	6,363.27	64.49	81.05	116.72	-67.58	2,590.78	2,704.81	2,626.08	78.73	34.356	
8,900.00	6,227.00	10,874.00	6,363.27	65.60	81.05	116.72	-67.58	2,590.78	2,804.22	2,725.45	78.78	35.597	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE 34-31-36HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 98-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	10,874.00	6,363.27	66.74	81.05	116.72	-67.58	2,590.78	2,903.68	2,824.86	78.82	36.838	
9,100.00	6,227.00	10,874.00	6,363.27	67.92	81.05	116.72	-67.58	2,590.78	3,003.17	2,924.30	78.87	38.078	
9,200.00	6,227.00	10,874.00	6,363.27	69.13	81.05	116.72	-67.58	2,590.78	3,102.69	3,023.78	78.92	39.316	
9,300.00	6,227.00	10,874.00	6,363.27	70.37	81.05	116.72	-67.58	2,590.78	3,202.25	3,123.29	78.96	40.554	
9,400.00	6,227.00	10,874.00	6,363.27	71.63	81.05	116.72	-67.58	2,590.78	3,301.83	3,222.82	79.01	41.791	
9,500.00	6,227.00	10,874.00	6,363.27	72.92	81.05	116.72	-67.58	2,590.78	3,401.43	3,322.38	79.05	43.027	
9,600.00	6,227.00	10,874.00	6,363.27	74.23	81.05	116.72	-67.58	2,590.78	3,501.06	3,421.96	79.10	44.262	
9,700.00	6,227.00	10,874.00	6,363.27	75.57	81.05	116.72	-67.58	2,590.78	3,600.71	3,521.57	79.14	45.496	
9,800.00	6,227.00	10,874.00	6,363.27	76.93	81.05	116.72	-67.58	2,590.78	3,700.38	3,621.19	79.19	46.730	
9,900.00	6,227.00	10,874.00	6,363.27	78.31	81.05	116.72	-67.58	2,590.78	3,800.06	3,720.83	79.23	47.962	
10,000.00	6,227.00	10,874.00	6,363.27	79.71	81.05	116.72	-67.58	2,590.78	3,899.76	3,820.49	79.27	49.194	
10,100.00	6,227.00	10,874.00	6,363.27	81.12	81.05	116.72	-67.58	2,590.78	3,999.48	3,920.16	79.32	50.424	
10,200.00	6,227.00	10,874.00	6,363.27	82.55	81.05	116.72	-67.58	2,590.78	4,099.21	4,019.85	79.36	51.654	
10,300.00	6,227.00	10,874.00	6,363.27	84.00	81.05	116.72	-67.58	2,590.78	4,198.95	4,119.55	79.40	52.883	
10,400.00	6,227.00	10,874.00	6,363.27	85.46	81.05	116.72	-67.58	2,590.78	4,298.71	4,219.26	79.44	54.111	
10,500.00	6,227.00	10,874.00	6,363.27	86.94	81.05	116.72	-67.58	2,590.78	4,398.47	4,318.99	79.48	55.338	
10,600.00	6,227.00	10,874.00	6,363.27	88.43	81.05	116.72	-67.58	2,590.78	4,498.25	4,418.72	79.52	56.564	
10,700.00	6,227.00	10,874.00	6,363.27	89.93	81.05	116.72	-67.58	2,590.78	4,598.03	4,518.47	79.57	57.789	
10,800.00	6,227.00	10,874.00	6,363.27	91.44	81.05	116.72	-67.58	2,590.78	4,697.83	4,618.22	79.61	59.013	
10,900.00	6,227.00	10,874.00	6,363.27	92.96	81.05	116.72	-67.58	2,590.78	4,797.63	4,717.99	79.65	60.237	
11,000.00	6,227.00	10,874.00	6,363.27	94.50	81.05	116.72	-67.58	2,590.78	4,897.44	4,817.76	79.69	61.459	
11,100.00	6,227.00	10,874.00	6,363.27	96.04	81.05	116.72	-67.58	2,590.78	4,997.26	4,917.54	79.73	62.680	
11,200.00	6,227.00	10,874.00	6,363.27	97.59	81.05	116.72	-67.58	2,590.78	5,097.09	5,017.32	79.77	63.901	
11,300.00	6,227.00	10,874.00	6,363.27	99.15	81.05	116.72	-67.58	2,590.78	5,196.92	5,117.12	79.81	65.120	
11,400.00	6,227.00	10,874.00	6,363.27	100.72	81.05	116.72	-67.58	2,590.78	5,296.76	5,216.92	79.84	66.338	
11,500.00	6,227.00	10,874.00	6,363.27	102.30	81.05	116.72	-67.58	2,590.78	5,396.61	5,316.72	79.88	67.556	
11,600.00	6,227.00	10,874.00	6,363.27	103.88	81.05	116.72	-67.58	2,590.78	5,496.46	5,416.53	79.92	68.772	
11,700.00	6,227.00	10,874.00	6,363.27	105.47	81.05	116.72	-67.58	2,590.78	5,596.31	5,516.35	79.96	69.987	
11,743.45	6,227.00	10,874.00	6,363.27	106.17	81.05	116.72	-67.58	2,590.78	5,639.70	5,559.72	79.98	70.515	
11,808.25	6,227.00	10,874.00	6,363.27	107.20	81.05	134.20	-67.58	2,590.78	5,704.44	5,624.44	80.00	71.304	
11,900.00	6,227.00	10,874.00	6,363.27	108.66	81.05	134.20	-67.58	2,590.78	5,796.14	5,716.11	80.03	72.424	
12,000.00	6,227.00	10,874.00	6,363.27	110.26	81.05	134.20	-67.58	2,590.78	5,896.09	5,816.02	80.06	73.644	
12,100.00	6,227.00	10,874.00	6,363.27	111.86	81.05	134.20	-67.58	2,590.78	5,996.03	5,915.94	80.09	74.863	
12,200.00	6,227.00	10,874.00	6,363.27	113.47	81.05	134.20	-67.58	2,590.78	6,095.98	6,015.86	80.13	76.081	
12,300.00	6,227.00	10,874.00	6,363.27	115.08	81.05	134.20	-67.58	2,590.78	6,195.93	6,115.78	80.16	77.298	
12,400.00	6,227.00	10,874.00	6,363.27	116.70	81.05	134.20	-67.58	2,590.78	6,295.89	6,215.70	80.19	78.513	
12,500.00	6,227.00	10,874.00	6,363.27	118.33	81.05	134.20	-67.58	2,590.78	6,395.84	6,315.62	80.22	79.728	
12,600.00	6,227.00	10,874.00	6,363.27	119.96	81.05	134.20	-67.58	2,590.78	6,495.80	6,415.54	80.25	80.941	
12,700.00	6,227.00	10,874.00	6,363.27	121.60	81.05	134.20	-67.58	2,590.78	6,595.75	6,515.47	80.29	82.153	
12,800.00	6,227.00	10,874.00	6,363.27	123.24	81.05	134.20	-67.58	2,590.78	6,695.71	6,615.39	80.32	83.364	
12,900.00	6,227.00	10,874.00	6,363.27	124.88	81.05	134.20	-67.58	2,590.78	6,795.67	6,715.32	80.35	84.574	
13,000.00	6,227.00	10,874.00	6,363.27	126.53	81.05	134.20	-67.58	2,590.78	6,895.63	6,815.25	80.39	85.782	
13,100.00	6,227.00	10,874.00	6,363.27	128.18	81.05	134.20	-67.58	2,590.78	6,995.59	6,915.18	80.42	86.989	
13,200.00	6,227.00	10,874.00	6,363.27	129.84	81.05	134.20	-67.58	2,590.78	7,095.56	7,015.10	80.45	88.195	
13,300.00	6,227.00	10,874.00	6,363.27	131.50	81.05	134.20	-67.58	2,590.78	7,195.52	7,115.03	80.49	89.400	
13,400.00	6,227.00	10,874.00	6,363.27	133.16	81.05	134.20	-67.58	2,590.78	7,295.49	7,214.97	80.52	90.603	
13,500.00	6,227.00	10,874.00	6,363.27	134.83	81.05	134.20	-67.58	2,590.78	7,395.45	7,314.90	80.56	91.805	
13,600.00	6,227.00	10,874.00	6,363.27	136.50	81.05	134.20	-67.58	2,590.78	7,495.42	7,414.83	80.59	93.006	
13,700.00	6,227.00	10,874.00	6,363.27	138.17	81.05	134.20	-67.58	2,590.78	7,595.39	7,514.76	80.63	94.206	
13,800.00	6,227.00	10,874.00	6,363.27	139.85	81.05	134.20	-67.58	2,590.78	7,695.36	7,614.69	80.66	95.404	
13,900.00	6,227.00	10,874.00	6,363.27	141.53	81.05	134.20	-67.58	2,590.78	7,795.32	7,714.63	80.70	96.601	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design											SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE 34-31-36HNB - OWB - FINAL SURVEY			Offset Site Error:		0.00 usft
Survey Program: 98-MWD OWSG													Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis			Distance									
Measured Depth Depth (usft)	Vertical Depth (usft)	Measured Depth 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	Warning			
14,000.00	6,227.00	10,874.00	6,363.27	143.21	81.05	134.20	-67.58	2,590.78	7,895.29	7,814.56	80.73	97.796				
14,100.00	6,227.00	10,874.00	6,363.27	144.89	81.05	134.20	-67.58	2,590.78	7,995.27	7,914.50	80.77	98.990				
14,200.00	6,227.00	10,874.00	6,363.27	146.58	81.05	134.20	-67.58	2,590.78	8,095.24	8,014.43	80.80	100.183				
14,300.00	6,227.00	10,874.00	6,363.27	148.26	81.05	134.20	-67.58	2,590.78	8,195.21	8,114.37	80.84	101.374				
14,400.00	6,227.00	10,874.00	6,363.27	149.96	81.05	134.20	-67.58	2,590.78	8,295.18	8,214.30	80.88	102.564				
14,500.00	6,227.00	10,874.00	6,363.27	151.65	81.05	134.20	-67.58	2,590.78	8,395.16	8,314.24	80.92	103.752				
14,600.00	6,227.00	10,874.00	6,363.27	153.34	81.05	134.20	-67.58	2,590.78	8,495.13	8,414.18	80.95	104.939				
14,700.00	6,227.00	10,874.00	6,363.27	155.04	81.05	134.20	-67.58	2,590.78	8,595.10	8,514.11	80.99	106.124				
14,800.00	6,227.00	10,874.00	6,363.27	156.74	81.05	134.20	-67.58	2,590.78	8,695.08	8,614.05	81.03	107.308				
14,900.00	6,227.00	10,874.00	6,363.27	158.44	81.05	134.20	-67.58	2,590.78	8,795.06	8,713.99	81.07	108.491				
15,000.00	6,227.00	10,874.00	6,363.27	160.14	81.05	134.20	-67.58	2,590.78	8,895.03	8,813.93	81.11	109.671				
15,100.00	6,227.00	10,874.00	6,363.27	161.85	81.05	134.20	-67.58	2,590.78	8,995.01	8,913.86	81.15	110.851				
15,200.00	6,227.00	10,874.00	6,363.27	163.56	81.05	134.20	-67.58	2,590.78	9,094.99	9,013.80	81.18	112.029				
15,300.00	6,227.00	10,874.00	6,363.27	165.26	81.05	134.20	-67.58	2,590.78	9,194.97	9,113.74	81.22	113.205				
15,400.00	6,227.00	10,874.00	6,363.27	166.97	81.05	134.20	-67.58	2,590.78	9,294.94	9,213.68	81.26	114.380				
15,500.00	6,227.00	10,874.00	6,363.27	168.68	81.05	134.20	-67.58	2,590.78	9,394.92	9,313.62	81.30	115.553				
15,600.00	6,227.00	10,874.00	6,363.27	170.40	81.05	134.20	-67.58	2,590.78	9,494.90	9,413.56	81.34	116.724				
15,700.00	6,227.00	10,874.00	6,363.27	172.11	81.05	134.20	-67.58	2,590.78	9,594.88	9,513.50	81.39	117.894				
15,800.00	6,227.00	10,874.00	6,363.27	173.83	81.05	134.20	-67.58	2,590.78	9,694.86	9,613.44	81.43	119.063				
15,900.00	6,227.00	10,874.00	6,363.27	175.54	81.05	134.20	-67.58	2,590.78	9,794.84	9,713.37	81.47	120.229				
16,000.00	6,227.00	10,874.00	6,363.27	177.26	81.05	134.20	-67.58	2,590.78	9,894.82	9,813.31	81.51	121.394				
16,100.00	6,227.00	10,874.00	6,363.27	178.98	81.05	134.20	-67.58	2,590.78	9,994.81	9,913.25	81.55	122.558				

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE 44-41-36HNB - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 510-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	87.23	87.23	0.27	0.15	142.23	-4,397.15	3,407.43	5,562.89	5,562.47	0.42	N/A		
200.00	200.00	170.31	170.31	0.63	0.30	142.23	-4,397.66	3,407.41	5,563.37	5,562.44	0.92	6,019.620		
300.00	300.00	253.38	253.37	0.99	0.44	142.24	-4,398.50	3,407.37	5,564.14	5,562.71	1.43	3,898.205		
400.00	400.00	336.44	336.43	1.34	0.59	142.24	-4,399.67	3,407.32	5,565.22	5,563.29	1.93	2,882.864		
500.00	499.98	419.47	419.44	1.70	0.73	60.21	-4,401.18	3,407.26	5,565.74	5,563.31	2.43	2,293.692		
600.00	599.84	695.00	694.92	2.05	1.52	60.41	-4,402.46	3,405.46	5,563.13	5,559.56	3.57	1,558.575		
700.00	699.45	730.34	730.25	2.41	1.64	60.52	-4,401.88	3,405.65	5,557.80	5,553.75	4.05	1,372.340		
800.00	798.70	788.00	787.90	2.79	1.84	60.68	-4,401.36	3,406.68	5,551.97	5,547.35	4.62	1,202.070		
900.00	897.47	788.00	787.90	3.19	1.84	60.80	-4,401.36	3,406.68	5,545.43	5,540.42	5.01	1,107.382		
1,000.00	995.62	840.32	840.20	3.62	2.02	61.00	-4,401.49	3,408.29	5,538.31	5,532.71	5.60	988.861		
1,100.00	1,093.06	879.00	878.84	4.09	2.16	61.20	-4,402.05	3,409.81	5,530.73	5,524.56	6.17	895.883		
1,200.00	1,189.64	959.53	959.29	4.59	2.44	61.53	-4,403.82	3,413.08	5,522.27	5,515.34	6.93	796.926		
1,300.00	1,285.27	1,010.31	1,010.00	5.14	2.63	61.82	-4,404.94	3,415.48	5,512.67	5,505.05	7.62	723.571		
1,400.00	1,379.82	1,064.00	1,063.51	5.74	2.82	62.13	-4,405.56	3,419.71	5,502.44	5,494.08	8.36	658.064		
1,500.00	1,473.17	1,096.96	1,096.30	6.40	2.94	62.41	-4,405.81	3,423.03	5,491.59	5,482.51	9.08	604.729		
1,600.00	1,565.21	1,155.00	1,153.96	7.12	3.16	62.78	-4,406.50	3,429.65	5,480.31	5,470.37	9.94	551.088		
1,614.66	1,578.59	1,155.00	1,153.96	7.23	3.16	62.81	-4,406.50	3,429.65	5,478.57	5,468.53	10.05	545.398		
1,700.00	1,656.38	1,188.48	1,187.17	7.88	3.28	62.91	-4,407.01	3,433.83	5,468.93	5,458.17	10.76	508.066		
1,800.00	1,747.52	1,245.00	1,243.20	8.67	3.50	63.07	-4,407.95	3,441.23	5,458.39	5,446.70	11.69	466.953		
1,900.00	1,838.67	1,245.00	1,243.20	9.47	3.50	63.07	-4,407.95	3,441.23	5,449.20	5,436.78	12.42	438.821		
2,000.00	1,929.81	1,301.42	1,299.10	10.28	3.72	63.24	-4,410.05	3,448.52	5,440.80	5,427.43	13.37	406.871		
2,100.00	2,020.96	1,338.00	1,335.33	11.10	3.86	63.37	-4,412.59	3,452.92	5,434.07	5,419.81	14.26	381.102		
2,200.00	2,112.10	10,701.10	6,297.06	11.92	81.08	25.91	-119.67	3,932.44	5,418.46	5,356.05	62.41	86.827		
2,300.00	2,203.25	10,709.90	6,297.15	12.75	81.23	25.59	-110.88	3,932.81	5,322.52	5,259.60	62.92	84.593		
2,400.00	2,294.39	10,718.24	6,297.24	13.59	81.37	25.29	-102.54	3,933.16	5,226.72	5,163.28	63.44	82.384		
2,500.00	2,385.54	10,726.58	6,297.32	14.43	81.51	24.98	-94.21	3,933.50	5,131.07	5,067.09	63.98	80.194		
2,600.00	2,476.68	10,734.92	6,297.41	15.27	81.65	24.68	-85.87	3,933.85	5,035.58	4,971.04	64.54	78.022		
2,700.00	2,567.83	10,743.27	6,297.50	16.11	81.79	24.37	-77.54	3,934.20	4,940.25	4,875.13	65.12	75.869		
2,800.00	2,658.97	10,751.61	6,297.58	16.96	81.93	24.07	-69.20	3,934.55	4,845.09	4,779.38	65.71	73.736		
2,900.00	2,750.12	10,752.00	6,297.59	17.80	81.94	24.05	-68.81	3,934.56	4,750.12	4,683.89	66.23	71.722		
3,000.00	2,841.26	10,752.00	6,297.59	18.65	81.94	24.05	-68.81	3,934.56	4,655.37	4,588.60	66.77	69.727		
3,100.00	2,932.41	10,752.00	6,297.59	19.50	81.94	24.05	-68.81	3,934.56	4,560.84	4,493.51	67.32	67.744		
3,200.00	3,023.55	10,752.00	6,297.59	20.35	81.94	24.05	-68.81	3,934.56	4,466.54	4,398.64	67.90	65.777		
3,300.00	3,114.70	10,752.00	6,297.59	21.21	81.94	24.05	-68.81	3,934.56	4,372.50	4,304.00	68.51	63.825		
3,400.00	3,205.84	10,752.00	6,297.59	22.06	81.94	24.05	-68.81	3,934.56	4,278.73	4,209.60	69.14	61.888		
3,500.00	3,296.99	10,752.00	6,297.59	22.92	81.94	24.05	-68.81	3,934.56	4,185.25	4,115.46	69.79	59.969		
3,600.00	3,388.13	10,752.00	6,297.59	23.77	81.94	24.05	-68.81	3,934.56	4,092.08	4,021.61	70.47	58.067		
3,700.00	3,479.28	10,752.00	6,297.59	24.63	81.94	24.05	-68.81	3,934.56	3,999.24	3,928.06	71.18	56.184		
3,800.00	3,570.42	10,752.00	6,297.59	25.48	81.94	24.05	-68.81	3,934.56	3,906.75	3,834.83	71.92	54.320		
3,900.00	3,661.57	10,752.00	6,297.59	26.34	81.94	24.05	-68.81	3,934.56	3,814.64	3,741.95	72.69	52.477		
4,000.00	3,752.71	10,752.00	6,297.59	27.20	81.94	24.05	-68.81	3,934.56	3,722.94	3,649.44	73.50	50.655		
4,100.00	3,843.86	10,752.00	6,297.59	28.05	81.94	24.05	-68.81	3,934.56	3,631.67	3,557.33	74.34	48.855		
4,200.00	3,935.00	10,752.00	6,297.59	28.91	81.94	24.05	-68.81	3,934.56	3,540.88	3,465.66	75.21	47.078		
4,300.00	4,026.15	10,752.00	6,297.59	29.77	81.94	24.05	-68.81	3,934.56	3,450.59	3,374.46	76.13	45.325		
4,400.00	4,117.29	10,752.00	6,297.59	30.63	81.94	24.05	-68.81	3,934.56	3,360.86	3,283.77	77.09	43.599		
4,500.00	4,208.44	10,752.00	6,297.59	31.49	81.94	24.05	-68.81	3,934.56	3,271.72	3,193.63	78.09	41.899		
4,600.00	4,299.58	10,752.00	6,297.59	32.35	81.94	24.05	-68.81	3,934.56	3,183.23	3,104.09	79.13	40.226		
4,700.00	4,390.73	10,752.00	6,297.59	33.21	81.94	24.05	-68.81	3,934.56	3,095.43	3,015.21	80.23	38.584		
4,800.00	4,481.88	10,752.00	6,297.59	34.07	81.94	24.05	-68.81	3,934.56	3,008.40	2,927.03	81.37	36.972		
4,900.00	4,573.02	10,752.00	6,297.59	34.93	81.94	24.05	-68.81	3,934.56	2,922.20	2,839.64	82.57	35.392		
5,000.00	4,664.17	10,752.00	6,297.59	35.79	81.94	24.05	-68.81	3,934.56	2,836.91	2,753.09	83.82	33.846		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE 44-41-36HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 510-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
5,100.00	4,755.31	10,752.00	6,297.59	36.65	81.94	24.05	-68.81	3,934.56	2,752.61	2,667.48	85.12	32.336	
5,200.00	4,846.46	10,752.00	6,297.59	37.51	81.94	24.05	-68.81	3,934.56	2,669.38	2,582.90	86.49	30.864	
5,300.00	4,937.60	10,752.00	6,297.59	38.37	81.94	24.05	-68.81	3,934.56	2,587.35	2,499.44	87.91	29.431	
5,400.00	5,028.75	10,752.00	6,297.59	39.23	81.94	24.05	-68.81	3,934.56	2,506.63	2,417.23	89.40	28.039	
5,500.00	5,119.89	10,752.00	6,297.59	40.09	81.94	24.05	-68.81	3,934.56	2,427.34	2,336.39	90.94	26.692	
5,600.00	5,211.04	10,752.00	6,297.59	40.96	81.94	24.05	-68.81	3,934.56	2,349.62	2,257.08	92.54	25.390	
5,700.00	5,302.18	10,752.00	6,297.59	41.82	81.94	24.05	-68.81	3,934.56	2,273.66	2,179.46	94.20	24.137	
5,800.00	5,393.33	10,752.00	6,297.59	42.68	81.94	24.05	-68.81	3,934.56	2,199.61	2,103.70	95.91	22.934	
5,900.00	5,484.47	10,752.00	6,297.59	43.54	81.94	24.05	-68.81	3,934.56	2,127.69	2,030.03	97.66	21.786	
6,000.00	5,575.62	10,752.00	6,297.59	44.40	81.94	24.05	-68.81	3,934.56	2,058.12	1,958.67	99.45	20.695	
6,100.00	5,666.76	10,752.00	6,297.59	45.26	81.94	24.05	-68.81	3,934.56	1,991.14	1,889.88	101.26	19.663	
6,175.79	5,735.84	10,752.00	6,297.59	45.92	81.94	24.05	-68.81	3,934.56	1,942.27	1,839.63	102.64	18.923	
6,200.00	5,757.87	10,752.00	6,297.59	46.13	81.94	31.13	-68.81	3,934.56	1,927.14	1,824.05	103.08	18.695	
6,250.00	5,803.02	10,752.00	6,297.59	46.56	81.94	44.61	-68.81	3,934.56	1,897.33	1,793.29	104.04	18.237	
6,300.00	5,847.42	10,752.00	6,297.59	46.99	81.94	56.23	-68.81	3,934.56	1,869.71	1,764.68	105.03	17.802	
6,350.00	5,890.72	10,752.00	6,297.59	47.41	81.94	65.92	-68.81	3,934.56	1,844.59	1,738.55	106.04	17.395	
6,400.00	5,932.60	10,752.00	6,297.59	47.83	81.94	73.86	-68.81	3,934.56	1,822.28	1,715.22	107.07	17.020	
6,450.00	5,972.74	10,752.00	6,297.59	48.23	81.94	80.27	-68.81	3,934.56	1,803.06	1,694.96	108.10	16.680	
6,500.00	6,010.83	10,752.00	6,297.59	48.61	81.94	85.41	-68.81	3,934.56	1,787.16	1,678.04	109.12	16.378	
6,550.00	6,046.58	10,752.00	6,297.59	48.98	81.94	89.47	-68.81	3,934.56	1,774.81	1,664.69	110.11	16.118	
6,600.00	6,079.73	10,752.00	6,297.59	49.33	81.94	92.61	-68.81	3,934.56	1,766.16	1,655.09	111.07	15.901	
6,650.00	6,110.01	10,752.00	6,297.59	49.67	81.94	94.96	-68.81	3,934.56	1,761.35	1,649.36	111.99	15.728	
6,686.65	6,130.26	10,752.00	6,297.59	49.90	81.94	96.24	-68.81	3,934.56	1,760.30	1,647.68	112.62	15.630 CC	
6,700.00	6,137.21	10,752.00	6,297.59	49.98	81.94	96.62	-68.81	3,934.56	1,760.44	1,647.60	112.84	15.601 ES	
6,750.00	6,161.10	10,752.00	6,297.59	50.28	81.94	97.63	-68.81	3,934.56	1,763.44	1,649.81	113.63	15.520	
6,800.00	6,181.52	10,752.00	6,297.59	50.55	81.94	98.06	-68.81	3,934.56	1,770.31	1,655.98	114.33	15.484 SF	
6,850.00	6,198.29	10,752.00	6,297.59	50.81	81.94	97.93	-68.81	3,934.56	1,780.95	1,665.99	114.96	15.492	
6,900.00	6,211.31	10,752.00	6,297.59	51.05	81.94	97.24	-68.81	3,934.56	1,795.22	1,679.73	115.50	15.544	
6,950.00	6,220.46	10,752.00	6,297.59	51.27	81.94	96.01	-68.81	3,934.56	1,812.93	1,696.98	115.95	15.636	
7,000.00	6,225.68	10,752.00	6,297.59	51.47	81.94	94.21	-68.81	3,934.56	1,833.83	1,717.52	116.31	15.767	
7,040.67	6,227.00	10,752.00	6,297.59	51.63	81.94	92.33	-68.81	3,934.56	1,853.02	1,736.47	116.55	15.899	
7,100.00	6,227.00	10,752.00	6,297.59	51.85	81.94	92.33	-68.81	3,934.56	1,883.05	1,766.22	116.83	16.118	
7,200.00	6,227.00	10,752.00	6,297.59	52.25	81.94	92.33	-68.81	3,934.56	1,936.74	1,819.56	117.17	16.529	
7,300.00	6,227.00	10,752.00	6,297.59	52.70	81.94	92.33	-68.81	3,934.56	1,994.00	1,876.61	117.38	16.987	
7,400.00	6,227.00	10,752.00	6,297.59	53.18	81.94	92.33	-68.81	3,934.56	2,054.53	1,937.06	117.47	17.490	
7,500.00	6,227.00	10,752.00	6,297.59	53.71	81.94	92.33	-68.81	3,934.56	2,118.05	2,000.61	117.44	18.035	
7,600.00	6,227.00	10,752.00	6,297.59	54.28	81.94	92.33	-68.81	3,934.56	2,184.31	2,066.99	117.33	18.618	
7,700.00	6,227.00	10,752.00	6,297.59	54.89	81.94	92.33	-68.81	3,934.56	2,253.06	2,135.93	117.13	19.236	
7,800.00	6,227.00	10,752.00	6,297.59	55.55	81.94	92.33	-68.81	3,934.56	2,324.08	2,207.21	116.87	19.886	
7,900.00	6,227.00	10,752.00	6,297.59	56.25	81.94	92.33	-68.81	3,934.56	2,397.17	2,280.62	116.56	20.567	
8,000.00	6,227.00	10,752.00	6,297.59	56.99	81.94	92.33	-68.81	3,934.56	2,472.14	2,355.94	116.20	21.275	
8,100.00	6,227.00	10,752.00	6,297.59	57.78	81.94	92.33	-68.81	3,934.56	2,548.84	2,433.02	115.82	22.007	
8,200.00	6,227.00	10,752.00	6,297.59	58.62	81.94	92.33	-68.81	3,934.56	2,627.10	2,511.69	115.41	22.763	
8,300.00	6,227.00	10,752.00	6,297.59	59.49	81.94	92.33	-68.81	3,934.56	2,706.79	2,591.80	114.98	23.540	
8,400.00	6,227.00	10,752.00	6,297.59	60.41	81.94	92.33	-68.81	3,934.56	2,787.79	2,673.24	114.55	24.337	
8,500.00	6,227.00	10,752.00	6,297.59	61.37	81.94	92.33	-68.81	3,934.56	2,869.99	2,755.88	114.11	25.151	
8,600.00	6,227.00	10,752.00	6,297.59	62.37	81.94	92.33	-68.81	3,934.56	2,953.29	2,839.62	113.67	25.982	
8,700.00	6,227.00	10,752.00	6,297.59	63.41	81.94	92.33	-68.81	3,934.56	3,037.59	2,924.37	113.22	26.828	
8,800.00	6,227.00	10,752.00	6,297.59	64.49	81.94	92.33	-68.81	3,934.56	3,122.83	3,010.04	112.78	27.688	
8,900.00	6,227.00	10,752.00	6,297.59	65.60	81.94	92.33	-68.81	3,934.56	3,208.91	3,096.56	112.35	28.561	
9,000.00	6,227.00	10,752.00	6,297.59	66.74	81.94	92.33	-68.81	3,934.56	3,295.78	3,183.86	111.93	29.446	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE 44-41-36HNB - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 510-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	10,752.00	6,297.59	67.92	81.94	92.33	-68.81	3,934.56	3,383.38	3,271.87	111.51	30.342		
9,200.00	6,227.00	10,752.00	6,297.59	69.13	81.94	92.33	-68.81	3,934.56	3,471.65	3,360.54	111.10	31.247		
9,300.00	6,227.00	10,752.00	6,297.59	70.37	81.94	92.33	-68.81	3,934.56	3,560.53	3,449.83	110.71	32.162		
9,400.00	6,227.00	10,752.00	6,297.59	71.63	81.94	92.33	-68.81	3,934.56	3,649.99	3,539.68	110.32	33.086		
9,500.00	6,227.00	10,752.00	6,297.59	72.92	81.94	92.33	-68.81	3,934.56	3,739.99	3,630.05	109.94	34.018		
9,600.00	6,227.00	10,752.00	6,297.59	74.23	81.94	92.33	-68.81	3,934.56	3,830.48	3,720.90	109.58	34.956		
9,700.00	6,227.00	10,752.00	6,297.59	75.57	81.94	92.33	-68.81	3,934.56	3,921.44	3,812.21	109.23	35.902		
9,800.00	6,227.00	10,752.00	6,297.59	76.93	81.94	92.33	-68.81	3,934.56	4,012.82	3,903.94	108.88	36.854		
9,900.00	6,227.00	10,752.00	6,297.59	78.31	81.94	92.33	-68.81	3,934.56	4,104.61	3,996.05	108.55	37.812		
10,000.00	6,227.00	10,752.00	6,297.59	79.71	81.94	92.33	-68.81	3,934.56	4,196.77	4,088.54	108.23	38.775		
10,100.00	6,227.00	10,752.00	6,297.59	81.12	81.94	92.33	-68.81	3,934.56	4,289.28	4,181.36	107.92	39.744		
10,200.00	6,227.00	10,752.00	6,297.59	82.55	81.94	92.33	-68.81	3,934.56	4,382.12	4,274.50	107.63	40.717		
10,300.00	6,227.00	10,752.00	6,297.59	84.00	81.94	92.33	-68.81	3,934.56	4,475.27	4,367.94	107.34	41.694		
10,400.00	6,227.00	10,752.00	6,297.59	85.46	81.94	92.33	-68.81	3,934.56	4,568.71	4,461.65	107.06	42.675		
10,500.00	6,227.00	10,752.00	6,297.59	86.94	81.94	92.33	-68.81	3,934.56	4,662.43	4,555.63	106.79	43.660		
10,600.00	6,227.00	10,752.00	6,297.59	88.43	81.94	92.33	-68.81	3,934.56	4,756.39	4,649.86	106.53	44.648		
10,700.00	6,227.00	10,752.00	6,297.59	89.93	81.94	92.33	-68.81	3,934.56	4,850.60	4,744.32	106.28	45.639		
10,800.00	6,227.00	10,752.00	6,297.59	91.44	81.94	92.33	-68.81	3,934.56	4,945.04	4,839.00	106.04	46.633		
10,900.00	6,227.00	10,752.00	6,297.59	92.96	81.94	92.33	-68.81	3,934.56	5,039.69	4,933.88	105.81	47.630		
11,000.00	6,227.00	10,752.00	6,297.59	94.50	81.94	92.33	-68.81	3,934.56	5,134.55	5,028.96	105.59	48.629		
11,100.00	6,227.00	10,752.00	6,297.59	96.04	81.94	92.33	-68.81	3,934.56	5,229.59	5,124.22	105.37	49.631		
11,200.00	6,227.00	10,752.00	6,297.59	97.59	81.94	92.33	-68.81	3,934.56	5,324.82	5,219.66	105.16	50.635		
11,300.00	6,227.00	10,752.00	6,297.59	99.15	81.94	92.33	-68.81	3,934.56	5,420.22	5,315.26	104.96	51.640		
11,400.00	6,227.00	10,752.00	6,297.59	100.72	81.94	92.33	-68.81	3,934.56	5,515.78	5,411.01	104.77	52.648		
11,500.00	6,227.00	10,752.00	6,297.59	102.30	81.94	92.33	-68.81	3,934.56	5,611.50	5,506.92	104.58	53.657		
11,600.00	6,227.00	10,752.00	6,297.59	103.88	81.94	92.33	-68.81	3,934.56	5,707.36	5,602.96	104.40	54.667		
11,700.00	6,227.00	10,752.00	6,297.59	105.47	81.94	92.33	-68.81	3,934.56	5,803.36	5,699.14	104.23	55.679		
11,743.45	6,227.00	10,752.00	6,297.59	106.17	81.94	92.33	-68.81	3,934.56	5,845.12	5,740.97	104.16	56.119		
11,808.25	6,227.00	10,752.00	6,297.59	107.20	81.94	92.54	-68.81	3,934.56	5,907.63	5,803.58	104.05	56.776		
11,900.00	6,227.00	10,752.00	6,297.59	108.66	81.94	92.54	-68.81	3,934.56	5,996.49	5,892.57	103.91	57.706		
12,000.00	6,227.00	10,752.00	6,297.59	110.26	81.94	92.54	-68.81	3,934.56	6,093.43	5,989.66	103.77	58.720		
12,100.00	6,227.00	10,752.00	6,297.59	111.86	81.94	92.54	-68.81	3,934.56	6,190.48	6,086.85	103.63	59.736		
12,200.00	6,227.00	10,752.00	6,297.59	113.47	81.94	92.54	-68.81	3,934.56	6,287.61	6,184.11	103.50	60.751		
12,300.00	6,227.00	10,752.00	6,297.59	115.08	81.94	92.54	-68.81	3,934.56	6,384.84	6,281.47	103.37	61.768		
12,400.00	6,227.00	10,752.00	6,297.59	116.70	81.94	92.54	-68.81	3,934.56	6,482.14	6,378.90	103.24	62.785		
12,500.00	6,227.00	10,752.00	6,297.59	118.33	81.94	92.54	-68.81	3,934.56	6,579.53	6,476.41	103.12	63.802		
12,600.00	6,227.00	10,752.00	6,297.59	119.96	81.94	92.54	-68.81	3,934.56	6,677.00	6,573.99	103.01	64.820		
12,700.00	6,227.00	10,752.00	6,297.59	121.60	81.94	92.54	-68.81	3,934.56	6,774.54	6,671.64	102.90	65.838		
12,800.00	6,227.00	10,752.00	6,297.59	123.24	81.94	92.54	-68.81	3,934.56	6,872.15	6,769.36	102.79	66.856		
12,900.00	6,227.00	10,752.00	6,297.59	124.88	81.94	92.54	-68.81	3,934.56	6,969.83	6,867.14	102.69	67.874		
13,000.00	6,227.00	10,752.00	6,297.59	126.53	81.94	92.54	-68.81	3,934.56	7,067.57	6,964.98	102.59	68.893		
13,100.00	6,227.00	10,752.00	6,297.59	128.18	81.94	92.54	-68.81	3,934.56	7,165.38	7,062.88	102.49	69.911		
13,200.00	6,227.00	10,752.00	6,297.59	129.84	81.94	92.54	-68.81	3,934.56	7,263.24	7,160.84	102.40	70.930		
13,300.00	6,227.00	10,752.00	6,297.59	131.50	81.94	92.54	-68.81	3,934.56	7,361.16	7,258.85	102.31	71.948		
13,400.00	6,227.00	10,752.00	6,297.59	133.16	81.94	92.54	-68.81	3,934.56	7,459.14	7,356.91	102.23	72.967		
13,500.00	6,227.00	10,752.00	6,297.59	134.83	81.94	92.54	-68.81	3,934.56	7,557.17	7,455.03	102.14	73.985		
13,600.00	6,227.00	10,752.00	6,297.59	136.50	81.94	92.54	-68.81	3,934.56	7,655.25	7,553.19	102.07	75.004		
13,700.00	6,227.00	10,752.00	6,297.59	138.17	81.94	92.54	-68.81	3,934.56	7,753.38	7,651.40	101.99	76.022		
13,800.00	6,227.00	10,752.00	6,297.59	139.85	81.94	92.54	-68.81	3,934.56	7,851.56	7,749.65	101.92	77.040		
13,900.00	6,227.00	10,752.00	6,297.59	141.53	81.94	92.54	-68.81	3,934.56	7,949.79	7,847.94	101.85	78.057		
14,000.00	6,227.00	10,752.00	6,297.59	143.21	81.94	92.54	-68.81	3,934.56	8,048.05	7,946.27	101.78	79.075		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 510-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.00	6,227.00	10,752.00	6,297.59	144.89	81.94	92.54	-68.81	3,934.56	8,146.36	8,044.65	101.71	80.092	
14,200.00	6,227.00	10,752.00	6,297.59	146.58	81.94	92.54	-68.81	3,934.56	8,244.71	8,143.06	101.65	81.108	
14,300.00	6,227.00	10,752.00	6,297.59	148.26	81.94	92.54	-68.81	3,934.56	8,343.10	8,241.51	101.59	82.125	
14,400.00	6,227.00	10,752.00	6,297.59	149.96	81.94	92.54	-68.81	3,934.56	8,441.53	8,339.99	101.53	83.141	
14,500.00	6,227.00	10,752.00	6,297.59	151.65	81.94	92.54	-68.81	3,934.56	8,539.99	8,438.51	101.48	84.156	
14,600.00	6,227.00	10,752.00	6,297.59	153.34	81.94	92.54	-68.81	3,934.56	8,638.49	8,537.07	101.42	85.171	
14,700.00	6,227.00	10,752.00	6,297.59	155.04	81.94	92.54	-68.81	3,934.56	8,737.02	8,635.65	101.37	86.186	
14,800.00	6,227.00	10,752.00	6,297.59	156.74	81.94	92.54	-68.81	3,934.56	8,835.59	8,734.26	101.33	87.200	
14,900.00	6,227.00	10,752.00	6,297.59	158.44	81.94	92.54	-68.81	3,934.56	8,934.19	8,832.91	101.28	88.214	
15,000.00	6,227.00	10,752.00	6,297.59	160.14	81.94	92.54	-68.81	3,934.56	9,032.82	8,931.58	101.23	89.227	
15,100.00	6,227.00	10,752.00	6,297.59	161.85	81.94	92.54	-68.81	3,934.56	9,131.47	9,030.28	101.19	90.239	
15,200.00	6,227.00	10,752.00	6,297.59	163.56	81.94	92.54	-68.81	3,934.56	9,230.16	9,129.01	101.15	91.251	
15,300.00	6,227.00	10,752.00	6,297.59	165.26	81.94	92.54	-68.81	3,934.56	9,328.88	9,227.76	101.11	92.263	
15,400.00	6,227.00	10,752.00	6,297.59	166.97	81.94	92.54	-68.81	3,934.56	9,427.62	9,326.54	101.07	93.274	
15,500.00	6,227.00	10,752.00	6,297.59	168.68	81.94	92.54	-68.81	3,934.56	9,526.39	9,425.35	101.04	94.284	
15,600.00	6,227.00	10,752.00	6,297.59	170.40	81.94	92.54	-68.81	3,934.56	9,625.18	9,524.18	101.01	95.293	
15,700.00	6,227.00	10,752.00	6,297.59	172.11	81.94	92.54	-68.81	3,934.56	9,724.00	9,623.03	100.97	96.302	
15,800.00	6,227.00	10,752.00	6,297.59	173.83	81.94	92.54	-68.81	3,934.56	9,822.84	9,721.90	100.94	97.310	
15,900.00	6,227.00	10,752.00	6,297.59	175.54	81.94	92.54	-68.81	3,934.56	9,921.71	9,820.79	100.92	98.317	
16,000.00	6,227.00	10,752.00	6,297.59	177.26	81.94	92.54	-68.81	3,934.56	10,020.60	9,919.71	100.89	99.324	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE F11-J14-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 129-MWD OWGS												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	0.80	60.12	0.84	60.79				
100.00	100.00	91.16	91.16	0.27	0.14	0.79	59.99	0.83	60.00	59.59	0.41	146.048	
200.00	200.00	191.35	191.34	0.63	0.42	0.89	59.57	0.92	59.57	58.52	1.05	56.690	
300.00	300.00	291.07	291.07	0.99	0.78	1.35	59.09	1.39	59.11	57.35	1.76	33.555	
313.56	313.56	304.56	304.56	1.03	0.82	1.42	59.09	1.46	59.10	57.25	1.86	31.815	
400.00	400.00	391.03	391.03	1.34	1.13	1.76	59.09	1.82	59.12	56.65	2.47	23.907	
500.00	499.98	491.58	491.58	1.70	1.49	-81.90	58.61	1.90	58.37	55.19	3.18	18.349	
600.00	599.84	591.35	591.34	2.05	1.84	-87.14	57.59	1.91	56.84	52.96	3.89	14.624	
647.90	647.59	638.66	638.65	2.22	2.01	-90.66	57.39	2.15	56.54	52.31	4.23	13.377 CC, ES	
700.00	699.45	690.00	689.98	2.41	2.19	-94.98	57.66	2.72	56.95	52.36	4.59	12.395	
800.00	798.70	788.14	788.06	2.79	2.53	-103.58	60.30	4.95	60.84	55.53	5.31	11.457	
900.00	897.47	887.02	886.68	3.19	2.87	-110.97	65.78	9.34	68.66	62.61	6.05	11.353 SF	
1,000.00	995.62	987.42	986.64	3.62	3.23	-117.27	71.99	16.44	78.01	71.20	6.82	11.447	
1,100.00	1,093.06	1,086.69	1,085.43	4.09	3.60	-123.76	77.28	24.60	88.62	81.03	7.60	11.666	
1,200.00	1,189.64	1,184.68	1,182.80	4.59	3.96	-129.40	83.70	33.47	102.56	94.17	8.39	12.228	
1,300.00	1,285.27	1,281.55	1,279.06	5.14	4.33	-134.60	90.65	41.91	120.35	111.17	9.18	13.112	
1,400.00	1,379.82	1,378.47	1,375.51	5.74	4.70	-139.90	96.67	49.16	142.08	132.13	9.96	14.269	
1,500.00	1,473.17	1,470.83	1,467.47	6.40	5.05	-144.24	102.81	55.20	168.52	157.81	10.71	15.732	
1,600.00	1,565.21	1,562.75	1,559.01	7.12	5.39	-147.80	109.68	59.91	200.15	188.69	11.46	17.461	
1,614.66	1,578.59	1,576.66	1,572.87	7.23	5.44	-148.32	110.64	60.52	205.15	193.58	11.58	17.719	
1,700.00	1,656.38	1,656.74	1,652.71	7.88	5.74	-151.27	115.76	64.08	234.57	222.36	12.22	19.202	
1,800.00	1,747.52	1,761.85	1,757.44	8.67	6.14	-154.23	121.73	70.52	267.95	254.92	13.03	20.564	
1,900.00	1,838.67	1,855.90	1,850.93	9.47	6.50	-156.10	127.15	79.22	298.83	285.03	13.80	21.657	
2,000.00	1,929.81	1,946.00	1,940.45	10.28	6.86	-157.33	133.78	86.90	330.96	316.40	14.56	22.736	
2,100.00	2,020.96	2,034.00	2,027.88	11.10	7.20	-158.14	141.78	92.97	365.03	349.72	15.31	23.841	
2,200.00	2,112.10	2,116.93	2,110.29	11.92	7.52	-158.71	150.14	97.02	401.19	385.16	16.03	25.034	
2,300.00	2,203.25	2,206.63	2,199.54	12.75	7.86	-159.36	158.52	100.04	438.66	421.88	16.78	26.138	
2,400.00	2,294.39	2,308.29	2,300.87	13.59	8.24	-160.25	165.90	103.62	475.71	458.09	17.62	27.000	
2,500.00	2,385.54	2,419.23	2,411.47	14.43	8.66	-161.31	171.27	110.32	510.12	491.62	18.50	27.579	
2,600.00	2,476.68	2,531.24	2,522.98	15.27	9.09	-162.48	173.94	120.39	541.54	522.19	19.35	27.991	
2,700.00	2,567.83	2,630.16	2,621.25	16.11	9.47	-163.40	175.75	131.58	570.81	550.68	20.12	28.366	
2,800.00	2,658.97	2,712.19	2,702.73	16.96	9.79	-163.92	179.15	140.36	601.07	580.25	20.82	28.864	
2,900.00	2,750.12	2,801.91	2,791.94	17.80	10.14	-164.30	184.46	148.33	633.28	611.70	21.58	29.346	
3,000.00	2,841.26	2,897.11	2,886.62	18.65	10.51	-164.69	189.83	156.70	665.56	643.19	22.37	29.751	
3,100.00	2,932.41	2,986.45	2,975.47	19.50	10.86	-165.00	195.20	164.38	698.11	674.98	23.12	30.188	
3,200.00	3,023.55	3,074.15	3,062.73	20.35	11.21	-165.26	200.71	171.14	731.52	707.66	23.87	30.649	
3,300.00	3,114.70	3,157.46	3,145.65	21.21	11.53	-165.45	206.54	176.70	766.00	741.42	24.58	31.165	
3,400.00	3,205.84	3,264.36	3,252.05	22.06	11.94	-165.66	214.25	183.59	800.75	775.28	25.47	31.436	
3,500.00	3,296.99	3,353.00	3,340.16	22.92	12.29	-165.76	221.29	190.13	834.65	808.42	26.24	31.812	
3,600.00	3,388.13	3,441.00	3,427.57	23.77	12.64	-165.77	229.61	196.02	869.32	842.31	27.01	32.189	
3,700.00	3,479.28	3,516.09	3,502.15	24.63	12.93	-165.74	237.27	200.05	905.28	877.60	27.67	32.715	
3,800.00	3,570.42	3,619.64	3,605.14	25.48	13.33	-165.78	246.85	204.92	941.80	913.24	28.57	32.969	
3,900.00	3,661.57	3,728.71	3,713.69	26.34	13.76	-165.92	254.99	211.94	976.51	947.03	29.49	33.117	
4,000.00	3,752.71	3,821.30	3,805.82	27.20	14.12	-166.04	261.80	218.11	1,011.04	980.76	30.28	33.392	
4,100.00	3,843.86	3,927.27	3,911.12	28.05	14.54	-166.10	270.53	226.10	1,044.82	1,013.63	31.18	33.507	
4,200.00	3,935.00	4,028.53	4,011.62	28.91	14.95	-166.12	279.48	234.65	1,077.79	1,045.73	32.06	33.621	
4,300.00	4,026.15	4,112.47	4,094.91	29.77	15.29	-166.13	287.03	241.78	1,110.75	1,077.95	32.80	33.862	
4,400.00	4,117.29	4,205.66	4,187.43	30.63	15.66	-166.12	295.77	248.80	1,144.63	1,111.01	33.62	34.045	
4,500.00	4,208.44	4,307.01	4,288.02	31.49	16.07	-166.13	305.00	256.96	1,178.00	1,143.50	34.50	34.144	
4,600.00	4,299.58	4,405.78	4,386.17	32.35	16.47	-166.21	312.35	265.25	1,210.92	1,175.57	35.35	34.259	
4,700.00	4,390.73	4,487.76	4,467.64	33.21	16.79	-166.27	318.64	271.88	1,244.15	1,208.08	36.06	34.498	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE F11-J14-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 129-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,481.88	4,600.41	4,579.51	34.07	17.25	-166.33	327.68	281.49	1,276.94	1,239.92	37.02	34.492	
4,900.00	4,573.02	4,671.00	4,649.60	34.93	17.53	-166.35	333.65	287.40	1,310.01	1,272.35	37.66	34.786	
5,000.00	4,664.17	4,759.00	4,737.11	35.79	17.88	-166.40	340.62	293.50	1,344.34	1,305.92	38.42	34.988	
5,100.00	4,755.31	4,854.61	4,832.26	36.65	18.25	-166.48	347.52	299.66	1,379.08	1,339.84	39.24	35.145	
5,200.00	4,846.46	4,979.65	4,956.61	37.51	18.75	-166.60	355.98	309.77	1,412.20	1,371.92	40.28	35.062	
5,300.00	4,937.60	5,069.70	5,046.09	38.37	19.11	-166.69	361.77	317.97	1,444.39	1,403.34	41.05	35.188	
5,400.00	5,028.75	5,160.36	5,136.24	39.23	19.47	-166.77	367.81	325.48	1,477.36	1,435.53	41.83	35.322	
5,500.00	5,119.89	5,255.90	5,231.19	40.09	19.85	-166.84	374.51	333.72	1,510.04	1,467.40	42.64	35.411	
5,600.00	5,211.04	5,342.40	5,317.11	40.96	20.20	-166.87	381.38	340.95	1,543.05	1,499.65	43.40	35.553	
5,700.00	5,302.18	5,430.88	5,404.99	41.82	20.55	-166.88	389.04	347.94	1,576.53	1,532.35	44.18	35.684	
5,800.00	5,393.33	5,499.62	5,473.30	42.68	20.82	-166.89	394.82	352.93	1,610.67	1,565.88	44.79	35.959	
5,900.00	5,484.47	5,558.72	5,532.23	43.54	21.05	-166.96	398.14	355.76	1,646.82	1,601.53	45.30	36.357	
6,000.00	5,575.62	5,638.00	5,611.39	44.40	21.33	-167.10	401.54	358.43	1,684.26	1,638.32	45.94	36.659	
6,100.00	5,666.76	5,685.28	5,658.64	45.26	21.49	-167.20	403.12	359.17	1,723.30	1,677.00	46.30	37.221	
6,175.79	5,735.84	5,725.00	5,698.35	45.92	21.63	-167.30	403.89	358.81	1,754.49	1,707.91	46.58	37.664	
6,200.00	5,757.87	5,747.07	5,720.41	46.13	21.69	-161.06	404.14	358.41	1,764.62	1,717.87	46.75	37.746	
6,250.00	5,803.02	5,825.49	5,798.83	46.56	21.94	-149.39	404.27	357.89	1,784.70	1,737.34	47.36	37.682	
6,300.00	5,847.42	5,845.89	5,819.21	46.99	21.99	-138.96	403.18	357.64	1,804.30	1,756.83	47.46	38.015	
6,350.00	5,890.72	5,871.89	5,845.08	47.41	22.06	-130.19	400.80	357.14	1,823.75	1,776.16	47.59	38.319	
6,400.00	5,932.60	5,900.00	5,872.89	47.83	22.13	-122.94	396.77	356.29	1,843.07	1,795.35	47.72	38.621	
6,450.00	5,972.74	5,900.00	5,872.89	48.23	22.13	-116.30	396.77	356.29	1,862.31	1,814.69	47.62	39.106	
6,500.00	6,010.83	5,931.33	5,903.62	48.61	22.20	-111.36	390.82	354.95	1,881.19	1,833.45	47.74	39.408	
6,550.00	6,046.58	5,945.56	5,917.49	48.98	22.23	-106.80	387.71	354.20	1,899.96	1,852.24	47.72	39.817	
6,600.00	6,079.73	6,166.00	6,121.30	49.33	22.64	-109.04	307.11	353.39	1,918.90	1,870.02	48.88	39.254	
6,650.00	6,110.01	6,166.00	6,121.30	49.67	22.64	-105.36	307.11	353.39	1,935.64	1,886.80	48.84	39.634	
6,700.00	6,137.21	6,166.00	6,121.30	49.98	22.64	-102.06	307.11	353.39	1,952.49	1,903.70	48.78	40.023	
6,750.00	6,161.10	6,166.00	6,121.30	50.28	22.64	-99.08	307.11	353.39	1,969.32	1,920.60	48.73	40.415	
6,800.00	6,181.52	6,166.00	6,121.30	50.55	22.64	-96.41	307.11	353.39	1,986.02	1,937.34	48.67	40.802	
6,850.00	6,198.29	6,156.15	6,112.57	50.81	22.62	-93.71	311.61	352.89	2,002.42	1,953.86	48.57	41.231	
6,900.00	6,211.31	6,175.70	6,129.39	51.05	22.66	-92.14	301.83	354.21	2,018.49	1,969.82	48.67	41.475	
6,950.00	6,220.46	6,140.86	6,099.81	51.27	22.60	-89.30	320.03	351.56	2,033.97	1,985.55	48.42	42.003	
7,000.00	6,225.68	6,029.54	5,997.63	51.47	22.40	-84.66	363.31	350.24	2,048.15	2,000.64	47.51	43.111	
7,040.67	6,227.00	6,017.41	5,986.18	51.63	22.38	-83.32	367.29	350.58	2,058.75	2,011.34	47.41	43.427	
7,100.00	6,227.00	5,988.00	5,958.43	51.85	22.32	-82.52	376.94	351.41	2,074.41	2,027.23	47.17	43.975	
7,200.00	6,227.00	5,958.51	5,930.05	52.25	22.26	-81.71	384.66	353.43	2,103.40	2,056.40	46.99	44.759	
7,300.00	6,227.00	5,950.10	5,921.90	52.70	22.24	-81.48	386.67	353.94	2,136.84	2,089.74	47.10	45.371	
7,400.00	6,227.00	5,942.39	5,914.40	53.18	22.23	-81.26	388.43	354.37	2,174.28	2,127.01	47.26	46.004	
7,500.00	6,227.00	5,935.29	5,907.49	53.71	22.21	-81.07	389.98	354.75	2,215.53	2,168.04	47.48	46.658	
7,600.00	6,227.00	5,900.00	5,872.89	54.28	22.13	-80.08	396.77	356.29	2,260.98	2,213.56	47.42	47.676	
7,700.00	6,227.00	5,900.00	5,872.89	54.89	22.13	-80.08	396.77	356.29	2,309.03	2,261.23	47.80	48.310	
7,800.00	6,227.00	5,900.00	5,872.89	55.55	22.13	-80.08	396.77	356.29	2,360.33	2,312.14	48.19	48.979	
7,900.00	6,227.00	5,900.00	5,872.89	56.25	22.13	-80.08	396.77	356.29	2,414.69	2,366.09	48.60	49.686	
8,000.00	6,227.00	5,900.00	5,872.89	56.99	22.13	-80.08	396.77	356.29	2,471.90	2,422.89	49.02	50.431	
8,100.00	6,227.00	5,900.00	5,872.89	57.78	22.13	-80.08	396.77	356.29	2,531.77	2,482.34	49.43	51.216	
8,200.00	6,227.00	5,900.00	5,872.89	58.62	22.13	-80.08	396.77	356.29	2,594.12	2,544.27	49.85	52.039	
8,300.00	6,227.00	5,900.00	5,872.89	59.49	22.13	-80.08	396.77	356.29	2,658.76	2,608.50	50.26	52.900	
8,400.00	6,227.00	5,900.00	5,872.89	60.41	22.13	-80.08	396.77	356.29	2,725.54	2,674.88	50.66	53.799	
8,500.00	6,227.00	5,900.00	5,872.89	61.37	22.13	-80.08	396.77	356.29	2,794.30	2,743.25	51.05	54.734	
8,600.00	6,227.00	5,900.00	5,872.89	62.37	22.13	-80.08	396.77	356.29	2,864.91	2,813.47	51.43	55.703	
8,700.00	6,227.00	5,900.00	5,872.89	63.41	22.13	-80.08	396.77	356.29	2,937.22	2,885.42	51.80	56.704	
8,800.00	6,227.00	5,900.00	5,872.89	64.49	22.13	-80.08	396.77	356.29	3,011.12	2,958.96	52.15	57.737	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE F11-J14-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 129-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	5,900.00	5,872.89	65.60	22.13	-80.08	396.77	356.29	3,086.48	3,033.99	52.49	58.800	
9,000.00	6,227.00	5,900.00	5,872.89	66.74	22.13	-80.08	396.77	356.29	3,163.22	3,110.40	52.82	59.889	
9,100.00	6,227.00	5,900.00	5,872.89	67.92	22.13	-80.08	396.77	356.29	3,241.22	3,188.09	53.13	61.005	
9,200.00	6,227.00	5,900.00	5,872.89	69.13	22.13	-80.08	396.77	356.29	3,320.40	3,266.97	53.43	62.145	
9,300.00	6,227.00	5,900.00	5,872.89	70.37	22.13	-80.08	396.77	356.29	3,400.68	3,346.97	53.72	63.308	
9,400.00	6,227.00	5,900.00	5,872.89	71.63	22.13	-80.08	396.77	356.29	3,481.98	3,427.99	53.99	64.492	
9,500.00	6,227.00	5,900.00	5,872.89	72.92	22.13	-80.08	396.77	356.29	3,564.23	3,509.98	54.25	65.696	
9,600.00	6,227.00	5,900.00	5,872.89	74.23	22.13	-80.08	396.77	356.29	3,647.37	3,592.87	54.51	66.918	
9,700.00	6,227.00	5,900.00	5,872.89	75.57	22.13	-80.08	396.77	356.29	3,731.34	3,676.59	54.75	68.157	
9,800.00	6,227.00	5,900.00	5,872.89	76.93	22.13	-80.08	396.77	356.29	3,816.08	3,761.10	54.98	69.413	
9,900.00	6,227.00	5,900.00	5,872.89	78.31	22.13	-80.08	396.77	356.29	3,901.54	3,846.34	55.20	70.683	
10,000.00	6,227.00	5,900.00	5,872.89	79.71	22.13	-80.08	396.77	356.29	3,987.68	3,932.27	55.41	71.967	
10,100.00	6,227.00	5,900.00	5,872.89	81.12	22.13	-80.08	396.77	356.29	4,074.45	4,018.84	55.61	73.265	
10,200.00	6,227.00	5,860.47	5,833.73	82.55	22.03	-78.98	402.00	357.39	4,160.16	4,104.63	55.53	74.913	
10,300.00	6,227.00	5,859.42	5,832.69	84.00	22.02	-78.95	402.10	357.41	4,247.99	4,192.27	55.72	76.240	
10,400.00	6,227.00	5,858.41	5,831.68	85.46	22.02	-78.92	402.19	357.43	4,336.35	4,280.45	55.90	77.578	
10,500.00	6,227.00	5,857.44	5,830.72	86.94	22.02	-78.89	402.28	357.45	4,425.20	4,369.13	56.07	78.925	
10,600.00	6,227.00	5,856.51	5,829.80	88.43	22.02	-78.87	402.36	357.47	4,514.52	4,458.28	56.23	80.280	
10,700.00	6,227.00	5,855.62	5,828.91	89.93	22.01	-78.84	402.44	357.48	4,604.27	4,547.87	56.39	81.644	
10,800.00	6,227.00	5,854.77	5,828.05	91.44	22.01	-78.82	402.51	357.50	4,694.43	4,637.88	56.55	83.015	
10,900.00	6,227.00	5,853.94	5,827.23	92.96	22.01	-78.79	402.58	357.51	4,784.99	4,728.29	56.70	84.393	
11,000.00	6,227.00	5,853.15	5,826.44	94.50	22.01	-78.77	402.64	357.53	4,875.91	4,819.07	56.84	85.778	
11,100.00	6,227.00	5,813.00	5,786.34	96.04	21.90	-77.65	404.33	357.88	4,968.83	4,912.08	56.75	87.564	
11,200.00	6,227.00	5,813.00	5,786.34	97.59	21.90	-77.65	404.33	357.88	5,060.36	5,003.48	56.89	88.952	
11,300.00	6,227.00	5,813.00	5,786.34	99.15	21.90	-77.65	404.33	357.88	5,152.22	5,095.19	57.03	90.345	
11,400.00	6,227.00	5,813.00	5,786.34	100.72	21.90	-77.65	404.33	357.88	5,244.37	5,187.20	57.16	91.743	
11,500.00	6,227.00	5,813.00	5,786.34	102.30	21.90	-77.65	404.33	357.88	5,336.80	5,279.50	57.30	93.146	
11,600.00	6,227.00	5,813.00	5,786.34	103.88	21.90	-77.65	404.33	357.88	5,429.50	5,372.08	57.42	94.553	
11,700.00	6,227.00	5,813.00	5,786.34	105.47	21.90	-77.65	404.33	357.88	5,522.46	5,464.91	57.55	95.964	
11,743.45	6,227.00	5,813.00	5,786.34	106.17	21.90	-77.65	404.33	357.88	5,562.92	5,505.32	57.60	96.578	
11,808.25	6,227.00	5,813.00	5,786.34	107.20	21.90	-78.33	404.33	357.88	5,623.09	5,565.41	57.68	97.483	
11,900.00	6,227.00	5,813.00	5,786.34	108.66	21.90	-78.33	404.33	357.88	5,708.09	5,650.28	57.80	98.749	
12,000.00	6,227.00	5,813.00	5,786.34	110.26	21.90	-78.33	404.33	357.88	5,800.96	5,743.02	57.93	100.131	
12,100.00	6,227.00	5,813.00	5,786.34	111.86	21.90	-78.33	404.33	357.88	5,894.06	5,836.00	58.06	101.516	
12,200.00	6,227.00	5,813.00	5,786.34	113.47	21.90	-78.33	404.33	357.88	5,987.39	5,929.21	58.18	102.904	
12,300.00	6,227.00	5,813.00	5,786.34	115.08	21.90	-78.33	404.33	357.88	6,080.93	6,022.62	58.31	104.295	
12,400.00	6,227.00	5,813.00	5,786.34	116.70	21.90	-78.33	404.33	357.88	6,174.67	6,116.25	58.42	105.688	
12,500.00	6,227.00	5,813.00	5,786.34	118.33	21.90	-78.33	404.33	357.88	6,268.61	6,210.07	58.54	107.083	
12,600.00	6,227.00	5,813.00	5,786.34	119.96	21.90	-78.33	404.33	357.88	6,362.73	6,304.07	58.65	108.481	
12,700.00	6,227.00	5,813.00	5,786.34	121.60	21.90	-78.33	404.33	357.88	6,457.02	6,398.26	58.76	109.880	
12,800.00	6,227.00	5,813.00	5,786.34	123.24	21.90	-78.33	404.33	357.88	6,551.49	6,492.62	58.87	111.281	
12,900.00	6,227.00	5,813.00	5,786.34	124.88	21.90	-78.33	404.33	357.88	6,646.12	6,587.14	58.98	112.683	
13,000.00	6,227.00	5,813.00	5,786.34	126.53	21.90	-78.33	404.33	357.88	6,740.90	6,681.81	59.09	114.086	
13,100.00	6,227.00	5,813.00	5,786.34	128.18	21.90	-78.33	404.33	357.88	6,835.83	6,776.64	59.19	115.490	
13,200.00	6,227.00	5,813.00	5,786.34	129.84	21.90	-78.33	404.33	357.88	6,930.91	6,871.61	59.29	116.895	
13,300.00	6,227.00	5,813.00	5,786.34	131.50	21.90	-78.33	404.33	357.88	7,026.12	6,966.73	59.39	118.301	
13,400.00	6,227.00	5,813.00	5,786.34	133.16	21.90	-78.33	404.33	357.88	7,121.46	7,061.97	59.49	119.707	
13,500.00	6,227.00	5,813.00	5,786.34	134.83	21.90	-78.33	404.33	357.88	7,216.93	7,157.34	59.59	121.114	
13,600.00	6,227.00	5,813.00	5,786.34	136.50	21.90	-78.33	404.33	357.88	7,312.52	7,252.83	59.68	122.520	
13,700.00	6,227.00	5,813.00	5,786.34	138.17	21.90	-78.33	404.33	357.88	7,408.22	7,348.44	59.78	123.927	
13,800.00	6,227.00	5,813.00	5,786.34	139.85	21.90	-78.33	404.33	357.88	7,504.04	7,444.17	59.87	125.333	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 129-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	5,813.00	5,786.34	141.53	21.90	-78.33	404.33	357.88	7,599.97	7,540.00	59.97	126.739	
14,000.00	6,227.00	5,813.00	5,786.34	143.21	21.90	-78.33	404.33	357.88	7,696.00	7,635.94	60.06	128.145	
14,100.00	6,227.00	5,813.00	5,786.34	144.89	21.90	-78.33	404.33	357.88	7,792.13	7,731.98	60.15	129.550	
14,200.00	6,227.00	5,813.00	5,786.34	146.58	21.90	-78.33	404.33	357.88	7,888.35	7,828.11	60.24	130.955	
14,300.00	6,227.00	5,813.00	5,786.34	148.26	21.90	-78.33	404.33	357.88	7,984.67	7,924.34	60.33	132.359	
14,400.00	6,227.00	5,813.00	5,786.34	149.96	21.90	-78.33	404.33	357.88	8,081.08	8,020.66	60.41	133.762	
14,500.00	6,227.00	5,813.00	5,786.34	151.65	21.90	-78.33	404.33	357.88	8,177.57	8,117.07	60.50	135.164	
14,600.00	6,227.00	5,813.00	5,786.34	153.34	21.90	-78.33	404.33	357.88	8,274.15	8,213.56	60.59	136.565	
14,700.00	6,227.00	5,813.00	5,786.34	155.04	21.90	-78.33	404.33	357.88	8,370.81	8,310.13	60.67	137.965	
14,800.00	6,227.00	5,813.00	5,786.34	156.74	21.90	-78.33	404.33	357.88	8,467.54	8,406.78	60.76	139.364	
14,900.00	6,227.00	5,813.00	5,786.34	158.44	21.90	-78.33	404.33	357.88	8,564.35	8,503.51	60.84	140.762	
15,000.00	6,227.00	5,813.00	5,786.34	160.14	21.90	-78.33	404.33	357.88	8,661.23	8,600.31	60.93	142.158	
15,100.00	6,227.00	5,813.00	5,786.34	161.85	21.90	-78.33	404.33	357.88	8,758.19	8,697.18	61.01	143.553	
15,200.00	6,227.00	5,813.00	5,786.34	163.56	21.90	-78.33	404.33	357.88	8,855.21	8,794.11	61.09	144.946	
15,300.00	6,227.00	5,813.00	5,786.34	165.26	21.90	-78.33	404.33	357.88	8,952.29	8,891.12	61.18	146.338	
15,400.00	6,227.00	5,813.00	5,786.34	166.97	21.90	-78.33	404.33	357.88	9,049.44	8,988.19	61.26	147.728	
15,500.00	6,227.00	5,813.00	5,786.34	168.68	21.90	-78.33	404.33	357.88	9,146.65	9,085.32	61.34	149.116	
15,600.00	6,227.00	5,813.00	5,786.34	170.40	21.90	-78.33	404.33	357.88	9,243.92	9,182.50	61.42	150.502	
15,700.00	6,227.00	5,813.00	5,786.34	172.11	21.90	-78.33	404.33	357.88	9,341.25	9,279.75	61.50	151.887	
15,800.00	6,227.00	5,813.00	5,786.34	173.83	21.90	-78.33	404.33	357.88	9,438.64	9,377.06	61.58	153.269	
15,900.00	6,227.00	5,813.00	5,786.34	175.54	21.90	-78.33	404.33	357.88	9,536.08	9,474.41	61.66	154.650	
16,000.00	6,227.00	5,813.00	5,786.34	177.26	21.90	-78.33	404.33	357.88	9,633.57	9,571.82	61.74	156.029	
16,100.00	6,227.00	5,813.00	5,786.34	178.98	21.90	-78.33	404.33	357.88	9,731.11	9,669.29	61.82	157.405	
16,200.00	6,227.00	5,813.00	5,786.34	180.70	21.90	-78.33	404.33	357.88	9,828.70	9,766.80	61.90	158.779	
16,300.00	6,227.00	5,813.00	5,786.34	182.42	21.90	-78.33	404.33	357.88	9,926.34	9,864.36	61.98	160.151	
16,400.00	6,227.00	5,813.00	5,786.34	184.15	21.90	-78.33	404.33	357.88	10,024.02	9,961.96	62.06	161.521	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE F21-J24-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	0.80	39.71	0.56	40.72				
100.00	100.00	91.09	91.09	0.27	0.14	0.88	39.61	0.61	39.61	39.20	0.41	96.843	
200.00	200.00	191.05	191.05	0.63	0.44	1.20	39.38	0.83	39.39	38.32	1.06	36.985	
300.00	300.00	291.17	291.17	0.99	0.79	1.62	39.17	1.11	39.18	37.40	1.78	22.035	
400.00	400.00	391.27	391.27	1.34	1.14	1.28	38.57	0.86	38.58	36.09	2.49	15.504	
500.00	499.98	491.11	491.10	1.70	1.49	-84.29	38.01	0.26	37.80	34.61	3.19	11.849	
600.00	599.84	591.04	591.03	2.05	1.85	-92.34	37.63	0.26	37.27	33.37	3.89	9.571	
620.25	620.03	611.26	611.25	2.12	1.92	-94.32	37.56	0.47	37.24	33.20	4.04	9.223 CC	
700.00	699.45	690.98	690.94	2.41	2.20	-102.33	37.47	2.51	37.63	33.03	4.61	8.171 ES	
800.00	798.70	791.16	790.96	2.79	2.55	-112.03	37.69	8.12	39.06	33.73	5.33	7.330	
900.00	897.47	891.38	890.74	3.19	2.91	-120.20	38.84	17.40	41.75	35.68	6.07	6.881	
1,000.00	995.62	991.12	989.60	3.62	3.28	-125.89	41.81	30.20	46.03	39.20	6.83	6.741 SF	
1,100.00	1,093.06	1,090.97	1,088.12	4.09	3.67	-129.43	47.63	45.29	53.13	45.51	7.62	6.975	
1,200.00	1,189.64	1,190.54	1,186.08	4.59	4.08	-132.92	54.31	61.86	62.09	53.66	8.43	7.366	
1,300.00	1,285.27	1,289.15	1,283.04	5.14	4.50	-136.90	61.61	78.26	74.17	64.92	9.25	8.018	
1,400.00	1,379.82	1,388.47	1,380.52	5.74	4.93	-140.40	69.95	95.38	89.15	79.07	10.09	8.840	
1,500.00	1,473.17	1,487.27	1,477.34	6.40	5.37	-143.77	78.21	113.22	106.43	95.51	10.92	9.749	
1,600.00	1,565.21	1,584.33	1,572.49	7.12	5.81	-147.02	86.26	130.63	126.94	115.20	11.74	10.812	
1,614.66	1,578.59	1,598.70	1,586.58	7.23	5.88	-147.49	87.43	133.17	130.25	118.39	11.86	10.979	
1,700.00	1,656.38	1,682.34	1,668.64	7.88	6.26	-150.22	93.78	148.06	149.59	137.04	12.55	11.917	
1,800.00	1,747.52	1,780.68	1,764.97	8.67	6.72	-152.46	101.50	166.32	171.92	158.54	13.38	12.851	
1,900.00	1,838.67	1,877.51	1,859.63	9.47	7.19	-153.83	110.10	184.71	194.32	180.10	14.22	13.661	
2,000.00	1,929.81	1,975.65	1,955.64	10.28	7.66	-155.04	118.46	203.28	216.79	201.71	15.08	14.379	
2,100.00	2,020.96	2,074.93	2,052.70	11.10	8.14	-156.10	126.45	222.58	238.70	222.77	15.93	14.983	
2,200.00	2,112.10	2,172.24	2,147.74	11.92	8.62	-156.97	134.13	242.01	260.14	243.36	16.78	15.500	
2,300.00	2,203.25	2,268.10	2,241.40	12.75	9.09	-157.58	142.35	260.70	282.24	264.60	17.64	16.001	
2,400.00	2,294.39	2,364.64	2,335.78	13.59	9.56	-158.09	150.83	279.17	304.75	286.25	18.50	16.471	
2,500.00	2,385.54	2,461.69	2,430.71	14.43	10.04	-158.58	159.14	297.51	327.47	308.11	19.36	16.911	
2,600.00	2,476.68	2,557.26	2,524.19	15.27	10.51	-158.93	167.81	315.42	350.47	330.24	20.23	17.325	
2,700.00	2,567.83	2,657.16	2,621.72	16.11	11.01	-159.06	178.01	334.47	373.37	352.22	21.15	17.657	
2,800.00	2,658.97	2,752.42	2,714.85	16.96	11.48	-159.29	186.88	352.47	396.28	374.26	22.02	17.999	
2,900.00	2,750.12	2,852.71	2,813.04	17.80	11.97	-159.68	195.10	371.16	419.23	396.33	22.90	18.308	
3,000.00	2,841.26	2,949.50	2,907.68	18.65	12.45	-160.11	202.10	390.14	441.07	417.33	23.74	18.576	
3,100.00	2,932.41	3,039.30	2,995.99	19.50	12.88	-160.69	207.29	405.59	464.98	440.47	24.51	18.970	
3,200.00	3,023.55	3,136.02	3,091.02	20.35	13.33	-161.15	213.72	422.40	488.95	463.62	25.33	19.302	
3,300.00	3,114.70	3,238.52	3,191.99	21.21	13.81	-161.92	217.82	439.51	513.22	487.07	26.14	19.631	
3,400.00	3,205.84	3,337.58	3,289.29	22.06	14.28	-162.53	222.05	457.59	536.05	509.10	26.95	19.892	
3,500.00	3,296.99	3,437.79	3,387.42	22.92	14.77	-162.74	229.71	476.44	558.86	531.03	27.82	20.085	
3,600.00	3,388.13	3,534.07	3,481.58	23.77	15.25	-162.86	237.65	494.84	581.46	552.77	28.69	20.267	
3,700.00	3,479.28	3,637.21	3,582.36	24.63	15.77	-162.95	246.39	514.96	603.71	574.10	29.61	20.390	
3,800.00	3,570.42	3,736.68	3,679.58	25.48	16.27	-163.22	252.71	535.02	625.02	594.55	30.47	20.515	
3,900.00	3,661.57	3,829.46	3,770.37	26.34	16.73	-163.44	258.85	553.10	647.04	615.76	31.28	20.684	
4,000.00	3,752.71	3,928.32	3,867.07	27.20	17.22	-163.61	265.99	572.38	669.14	636.99	32.15	20.813	
4,100.00	3,843.86	4,025.88	3,962.53	28.05	17.71	-163.81	272.39	591.44	691.13	658.13	33.00	20.944	
4,200.00	3,935.00	4,117.19	4,051.84	28.91	18.17	-163.92	279.39	609.12	713.45	679.63	33.82	21.095	
4,300.00	4,026.15	4,218.17	4,150.69	29.77	18.67	-164.00	287.44	628.11	736.34	701.63	34.72	21.210	
4,400.00	4,117.29	4,308.42	4,238.98	30.63	19.12	-164.06	294.89	645.28	759.05	723.51	35.54	21.358	
4,500.00	4,208.44	4,406.25	4,334.76	31.49	19.60	-164.08	303.43	663.30	782.41	745.99	36.42	21.480	
4,600.00	4,299.58	4,510.65	4,436.90	32.35	20.12	-164.14	311.96	683.11	805.16	767.81	37.35	21.556	
4,700.00	4,390.73	4,612.62	4,536.65	33.21	20.64	-164.23	319.72	702.82	827.51	789.25	38.25	21.633	
4,800.00	4,481.88	4,716.99	4,638.44	34.07	21.17	-164.29	327.95	724.35	848.56	809.38	39.18	21.658	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE F21-J24-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,900.00	4,573.02	4,810.94	4,730.03	34.93	21.66	-164.29	336.23	743.56	869.93	829.88	40.05	21.722	
5,000.00	4,664.17	4,900.28	4,817.31	35.79	22.11	-164.34	343.19	761.34	891.74	850.87	40.86	21.822	
5,100.00	4,755.31	4,986.48	4,901.82	36.65	22.54	-164.47	348.94	777.30	914.77	873.15	41.63	21.976	
5,200.00	4,846.46	5,091.27	5,004.81	37.51	23.04	-164.73	354.13	795.93	938.38	895.89	42.49	22.085	
5,300.00	4,937.60	5,187.57	5,099.39	38.37	23.49	-165.05	357.39	813.75	961.08	917.81	43.27	22.212	
5,400.00	5,028.75	5,283.36	5,193.45	39.23	23.95	-165.28	361.87	831.30	984.14	940.07	44.07	22.333	
5,500.00	5,119.89	5,361.35	5,270.03	40.09	24.33	-165.36	367.18	845.01	1,008.14	963.38	44.76	22.523	
5,600.00	5,211.04	5,475.50	5,382.10	40.96	24.88	-165.40	376.31	864.71	1,032.62	986.85	45.76	22.564	
5,700.00	5,302.18	5,578.70	5,483.06	41.82	25.39	-165.39	385.32	884.11	1,055.60	1,008.90	46.70	22.606	
5,800.00	5,393.33	5,672.20	5,574.48	42.68	25.86	-165.35	393.97	901.72	1,078.59	1,031.03	47.56	22.677	
5,900.00	5,484.47	5,770.08	5,670.16	43.54	26.35	-165.28	403.48	920.01	1,101.78	1,053.31	48.47	22.731	
6,000.00	5,575.62	5,852.35	5,750.78	44.40	26.74	-165.34	409.53	935.11	1,125.14	1,075.94	49.20	22.869	
6,100.00	5,666.76	5,938.78	5,836.04	45.26	27.09	-166.01	404.08	947.67	1,150.70	1,100.96	49.74	23.136	
6,175.79	5,735.84	6,096.38	5,987.03	45.92	27.61	-168.36	369.54	974.40	1,167.09	1,116.90	50.19	23.253	
6,200.00	5,757.87	6,112.09	6,001.41	46.13	27.66	-163.01	363.92	977.29	1,171.74	1,121.50	50.24	23.324	
6,250.00	5,803.02	6,141.89	6,028.30	46.56	27.74	-152.79	352.17	982.40	1,181.81	1,131.50	50.30	23.493	
6,300.00	5,847.42	6,169.09	6,052.37	46.99	27.81	-143.98	340.21	986.64	1,192.66	1,142.33	50.33	23.698	
6,350.00	5,890.72	6,223.96	6,098.85	47.41	27.92	-137.77	312.37	995.11	1,203.95	1,153.63	50.33	23.922	
6,400.00	5,932.60	6,262.18	6,129.28	47.83	28.00	-132.40	290.09	1,001.27	1,215.85	1,165.52	50.34	24.155	
6,450.00	5,972.74	6,276.41	6,140.20	48.23	28.02	-127.07	281.26	1,003.54	1,228.98	1,178.68	50.31	24.430	
6,500.00	6,010.83	6,287.89	6,148.85	48.61	28.04	-122.37	273.93	1,005.35	1,243.51	1,193.25	50.26	24.744	
6,550.00	6,046.58	6,294.82	6,153.99	48.98	28.05	-118.04	269.41	1,006.43	1,259.41	1,209.24	50.18	25.100	
6,600.00	6,079.73	6,297.93	6,156.29	49.33	28.05	-113.95	267.37	1,006.91	1,276.61	1,226.54	50.07	25.496	
6,650.00	6,110.01	6,297.83	6,156.22	49.67	28.05	-110.05	267.43	1,006.90	1,294.95	1,245.00	49.95	25.927	
6,700.00	6,137.21	6,295.05	6,154.17	49.98	28.05	-106.28	269.26	1,006.47	1,314.25	1,264.44	49.81	26.385	
6,750.00	6,161.10	6,290.01	6,150.43	50.28	28.04	-102.65	272.55	1,005.69	1,334.30	1,284.62	49.67	26.863	
6,800.00	6,181.52	6,283.07	6,145.23	50.55	28.03	-99.17	277.03	1,004.60	1,354.87	1,305.33	49.54	27.350	
6,850.00	6,198.29	6,255.00	6,123.70	50.81	27.99	-95.01	294.45	1,000.10	1,376.00	1,326.84	49.16	27.991	
6,900.00	6,211.31	6,255.00	6,123.70	51.05	27.99	-92.32	294.45	1,000.10	1,396.74	1,347.55	49.19	28.394	
6,950.00	6,220.46	6,255.00	6,123.70	51.27	27.99	-89.84	294.45	1,000.10	1,417.45	1,368.16	49.29	28.755	
7,000.00	6,225.68	6,255.00	6,123.70	51.47	27.99	-87.59	294.45	1,000.10	1,437.98	1,388.51	49.47	29.066	
7,040.67	6,227.00	6,226.72	6,101.11	51.63	27.93	-84.99	310.84	995.55	1,453.94	1,404.74	49.21	29.549	
7,100.00	6,227.00	6,209.58	6,086.97	51.85	27.89	-84.40	320.15	992.84	1,477.92	1,428.68	49.24	30.014	
7,200.00	6,227.00	6,167.00	6,050.53	52.25	27.81	-82.89	341.17	986.33	1,522.20	1,473.09	49.10	30.999	
7,300.00	6,227.00	6,167.00	6,050.53	52.70	27.81	-82.89	341.17	986.33	1,570.49	1,520.68	49.81	31.532	
7,400.00	6,227.00	6,167.00	6,050.53	53.18	27.81	-82.89	341.17	986.33	1,623.51	1,572.94	50.57	32.104	
7,500.00	6,227.00	6,167.00	6,050.53	53.71	27.81	-82.89	341.17	986.33	1,680.81	1,629.45	51.36	32.724	
7,600.00	6,227.00	6,126.02	6,014.05	54.28	27.70	-81.41	358.60	979.74	1,740.25	1,688.85	51.40	33.857	
7,700.00	6,227.00	6,115.55	6,004.55	54.89	27.67	-81.03	362.63	977.91	1,803.86	1,751.86	52.01	34.686	
7,800.00	6,227.00	6,078.00	5,970.04	55.55	27.56	-79.66	375.60	970.86	1,871.28	1,819.17	52.11	35.913	
7,900.00	6,227.00	6,078.00	5,970.04	56.25	27.56	-79.66	375.60	970.86	1,940.15	1,887.27	52.87	36.693	
8,000.00	6,227.00	6,078.00	5,970.04	56.99	27.56	-79.66	375.60	970.86	2,011.63	1,958.02	53.61	37.524	
8,100.00	6,227.00	6,078.00	5,970.04	57.78	27.56	-79.66	375.60	970.86	2,085.46	2,031.16	54.31	38.402	
8,200.00	6,227.00	6,078.00	5,970.04	58.62	27.56	-79.66	375.60	970.86	2,161.40	2,106.44	54.96	39.325	
8,300.00	6,227.00	6,078.00	5,970.04	59.49	27.56	-79.66	375.60	970.86	2,239.23	2,183.65	55.58	40.288	
8,400.00	6,227.00	6,078.00	5,970.04	60.41	27.56	-79.66	375.60	970.86	2,318.76	2,262.60	56.16	41.289	
8,500.00	6,227.00	6,078.00	5,970.04	61.37	27.56	-79.66	375.60	970.86	2,399.82	2,343.12	56.70	42.324	
8,600.00	6,227.00	6,041.95	5,936.17	62.37	27.44	-78.34	385.86	964.04	2,481.23	2,424.54	56.69	43.766	
8,700.00	6,227.00	6,035.77	5,930.29	63.41	27.42	-78.11	387.41	962.93	2,564.53	2,507.43	57.10	44.917	
8,800.00	6,227.00	6,030.08	5,924.85	64.49	27.40	-77.90	388.77	961.92	2,648.93	2,591.45	57.48	46.086	
8,900.00	6,227.00	6,024.82	5,919.82	65.60	27.39	-77.71	389.98	961.01	2,734.33	2,676.49	57.84	47.274	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE F21-J24-36HNC - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	6,227.00	5,990.00	5,886.16	66.74	27.27	-76.43	396.80	955.31	2,821.39	2,763.58	57.81	48.806		
9,100.00	6,227.00	5,990.00	5,886.16	67.92	27.27	-76.43	396.80	955.31	2,908.35	2,850.15	58.20	49.972		
9,200.00	6,227.00	5,990.00	5,886.16	69.13	27.27	-76.43	396.80	955.31	2,996.13	2,937.56	58.57	51.158		
9,300.00	6,227.00	5,990.00	5,886.16	70.37	27.27	-76.43	396.80	955.31	3,084.65	3,025.74	58.91	52.361		
9,400.00	6,227.00	5,990.00	5,886.16	71.63	27.27	-76.43	396.80	955.31	3,173.86	3,114.62	59.24	53.580		
9,500.00	6,227.00	5,990.00	5,886.16	72.92	27.27	-76.43	396.80	955.31	3,263.69	3,204.15	59.54	54.814		
9,600.00	6,227.00	5,990.00	5,886.16	74.23	27.27	-76.43	396.80	955.31	3,354.09	3,294.26	59.83	56.062		
9,700.00	6,227.00	5,990.00	5,886.16	75.57	27.27	-76.43	396.80	955.31	3,445.03	3,384.93	60.10	57.321		
9,800.00	6,227.00	5,990.00	5,886.16	76.93	27.27	-76.43	396.80	955.31	3,536.45	3,476.10	60.36	58.592		
9,900.00	6,227.00	5,990.00	5,886.16	78.31	27.27	-76.43	396.80	955.31	3,628.33	3,567.73	60.60	59.872		
10,000.00	6,227.00	5,990.00	5,886.16	79.71	27.27	-76.43	396.80	955.31	3,720.63	3,659.80	60.83	61.162		
10,100.00	6,227.00	5,990.00	5,886.16	81.12	27.27	-76.43	396.80	955.31	3,813.32	3,752.26	61.05	62.460		
10,200.00	6,227.00	5,990.00	5,886.16	82.55	27.27	-76.43	396.80	955.31	3,906.36	3,845.10	61.26	63.766		
10,300.00	6,227.00	5,990.00	5,886.16	84.00	27.27	-76.43	396.80	955.31	3,999.74	3,938.28	61.46	65.079		
10,400.00	6,227.00	5,990.00	5,886.16	85.46	27.27	-76.43	396.80	955.31	4,093.44	4,031.79	61.65	66.398		
10,500.00	6,227.00	5,990.00	5,886.16	86.94	27.27	-76.43	396.80	955.31	4,187.42	4,125.59	61.83	67.723		
10,600.00	6,227.00	5,990.00	5,886.16	88.43	27.27	-76.43	396.80	955.31	4,281.68	4,219.68	62.01	69.053		
10,700.00	6,227.00	5,990.00	5,886.16	89.93	27.27	-76.43	396.80	955.31	4,376.20	4,314.02	62.17	70.388		
10,800.00	6,227.00	5,990.00	5,886.16	91.44	27.27	-76.43	396.80	955.31	4,470.95	4,408.62	62.33	71.727		
10,900.00	6,227.00	5,953.06	5,850.06	92.96	27.14	-75.07	402.30	949.74	4,565.22	4,503.03	62.18	73.416		
11,000.00	6,227.00	5,950.36	5,847.41	94.50	27.13	-74.97	402.65	949.34	4,660.30	4,597.98	62.31	74.788		
11,100.00	6,227.00	5,947.76	5,844.86	96.04	27.12	-74.88	402.98	948.97	4,755.57	4,693.13	62.44	76.163		
11,200.00	6,227.00	5,945.26	5,842.41	97.59	27.11	-74.79	403.30	948.60	4,851.03	4,788.47	62.56	77.539		
11,300.00	6,227.00	5,942.85	5,840.04	99.15	27.10	-74.70	403.59	948.26	4,946.66	4,883.98	62.68	78.917		
11,400.00	6,227.00	5,940.52	5,837.75	100.72	27.09	-74.62	403.88	947.92	5,042.46	4,979.66	62.80	80.297		
11,500.00	6,227.00	5,938.28	5,835.55	102.30	27.09	-74.54	404.14	947.60	5,138.41	5,075.50	62.91	81.679		
11,600.00	6,227.00	5,902.00	5,799.81	103.88	26.96	-73.23	407.81	942.58	5,235.10	5,172.34	62.77	83.407		
11,700.00	6,227.00	5,902.00	5,799.81	105.47	26.96	-73.23	407.81	942.58	5,331.27	5,268.38	62.89	84.770		
11,743.45	6,227.00	5,902.00	5,799.81	106.17	26.96	-73.23	407.81	942.58	5,373.10	5,310.15	62.94	85.363		
11,808.25	6,227.00	5,902.00	5,799.81	107.20	26.96	-74.47	407.81	942.58	5,435.33	5,372.30	63.03	86.239		
11,900.00	6,227.00	5,902.00	5,799.81	108.66	26.96	-74.47	407.81	942.58	5,523.27	5,460.12	63.15	87.467		
12,000.00	6,227.00	5,902.00	5,799.81	110.26	26.96	-74.47	407.81	942.58	5,619.26	5,555.99	63.28	88.806		
12,100.00	6,227.00	5,902.00	5,799.81	111.86	26.96	-74.47	407.81	942.58	5,715.39	5,651.99	63.40	90.147		
12,200.00	6,227.00	5,902.00	5,799.81	113.47	26.96	-74.47	407.81	942.58	5,811.65	5,748.12	63.52	91.489		
12,300.00	6,227.00	5,902.00	5,799.81	115.08	26.96	-74.47	407.81	942.58	5,908.03	5,844.39	63.64	92.832		
12,400.00	6,227.00	5,902.00	5,799.81	116.70	26.96	-74.47	407.81	942.58	6,004.53	5,940.77	63.76	94.177		
12,500.00	6,227.00	5,902.00	5,799.81	118.33	26.96	-74.47	407.81	942.58	6,101.14	6,037.27	63.87	95.522		
12,600.00	6,227.00	5,902.00	5,799.81	119.96	26.96	-74.47	407.81	942.58	6,197.86	6,133.88	63.98	96.867		
12,700.00	6,227.00	5,902.00	5,799.81	121.60	26.96	-74.47	407.81	942.58	6,294.69	6,230.59	64.09	98.213		
12,800.00	6,227.00	5,902.00	5,799.81	123.24	26.96	-74.47	407.81	942.58	6,391.61	6,327.41	64.20	99.560		
12,900.00	6,227.00	5,902.00	5,799.81	124.88	26.96	-74.47	407.81	942.58	6,488.62	6,424.32	64.30	100.906		
13,000.00	6,227.00	5,902.00	5,799.81	126.53	26.96	-74.47	407.81	942.58	6,585.73	6,521.32	64.41	102.253		
13,100.00	6,227.00	5,902.00	5,799.81	128.18	26.96	-74.47	407.81	942.58	6,682.91	6,618.41	64.51	103.600		
13,200.00	6,227.00	5,902.00	5,799.81	129.84	26.96	-74.47	407.81	942.58	6,780.19	6,715.58	64.61	104.946		
13,300.00	6,227.00	5,902.00	5,799.81	131.50	26.96	-74.47	407.81	942.58	6,877.53	6,812.83	64.70	106.292		
13,400.00	6,227.00	5,902.00	5,799.81	133.16	26.96	-74.47	407.81	942.58	6,974.96	6,910.16	64.80	107.638		
13,500.00	6,227.00	5,902.00	5,799.81	134.83	26.96	-74.47	407.81	942.58	7,072.45	7,007.56	64.90	108.983		
13,600.00	6,227.00	5,902.00	5,799.81	136.50	26.96	-74.47	407.81	942.58	7,170.02	7,105.03	64.99	110.327		
13,700.00	6,227.00	5,902.00	5,799.81	138.17	26.96	-74.47	407.81	942.58	7,267.65	7,202.57	65.08	111.671		
13,800.00	6,227.00	5,902.00	5,799.81	139.85	26.96	-74.47	407.81	942.58	7,365.35	7,300.17	65.17	113.014		
13,900.00	6,227.00	5,902.00	5,799.81	141.53	26.96	-74.47	407.81	942.58	7,463.10	7,397.84	65.26	114.356		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE F21-J24-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,000.00	6,227.00	5,902.00	5,799.81	143.21	26.96	-74.47	407.81	942.58	7,560.92	7,495.57	65.35	115.697	
14,100.00	6,227.00	5,902.00	5,799.81	144.89	26.96	-74.47	407.81	942.58	7,658.79	7,593.35	65.44	117.037	
14,200.00	6,227.00	5,902.00	5,799.81	146.58	26.96	-74.47	407.81	942.58	7,756.71	7,691.19	65.53	118.375	
14,300.00	6,227.00	5,902.00	5,799.81	148.26	26.96	-74.47	407.81	942.58	7,854.69	7,789.08	65.61	119.713	
14,400.00	6,227.00	5,902.00	5,799.81	149.96	26.96	-74.47	407.81	942.58	7,952.72	7,887.02	65.70	121.049	
14,500.00	6,227.00	5,902.00	5,799.81	151.65	26.96	-74.47	407.81	942.58	8,050.79	7,985.01	65.78	122.384	
14,600.00	6,227.00	5,902.00	5,799.81	153.34	26.96	-74.47	407.81	942.58	8,148.92	8,083.05	65.87	123.718	
14,700.00	6,227.00	5,902.00	5,799.81	155.04	26.96	-74.47	407.81	942.58	8,247.09	8,181.14	65.95	125.050	
14,800.00	6,227.00	5,902.00	5,799.81	156.74	26.96	-74.47	407.81	942.58	8,345.30	8,279.26	66.03	126.380	
14,900.00	6,227.00	5,902.00	5,799.81	158.44	26.96	-74.47	407.81	942.58	8,443.55	8,377.44	66.12	127.709	
15,000.00	6,227.00	5,902.00	5,799.81	160.14	26.96	-74.47	407.81	942.58	8,541.85	8,475.65	66.20	129.036	
15,100.00	6,227.00	5,902.00	5,799.81	161.85	26.96	-74.47	407.81	942.58	8,640.18	8,573.90	66.28	130.362	
15,200.00	6,227.00	5,902.00	5,799.81	163.56	26.96	-74.47	407.81	942.58	8,738.55	8,672.19	66.36	131.686	
15,300.00	6,227.00	5,902.00	5,799.81	165.26	26.96	-74.47	407.81	942.58	8,836.96	8,770.52	66.44	133.008	
15,400.00	6,227.00	5,902.00	5,799.81	166.97	26.96	-74.47	407.81	942.58	8,935.40	8,868.88	66.52	134.328	
15,500.00	6,227.00	5,902.00	5,799.81	168.68	26.96	-74.47	407.81	942.58	9,033.88	8,967.28	66.60	135.646	
15,600.00	6,227.00	5,902.00	5,799.81	170.40	26.96	-74.47	407.81	942.58	9,132.39	9,065.71	66.68	136.962	
15,700.00	6,227.00	5,902.00	5,799.81	172.11	26.96	-74.47	407.81	942.58	9,230.93	9,164.17	66.76	138.276	
15,800.00	6,227.00	5,902.00	5,799.81	173.83	26.96	-74.47	407.81	942.58	9,329.51	9,262.67	66.84	139.588	
15,900.00	6,227.00	5,902.00	5,799.81	175.54	26.96	-74.47	407.81	942.58	9,428.11	9,361.19	66.91	140.898	
16,000.00	6,227.00	5,902.00	5,799.81	177.26	26.96	-74.47	407.81	942.58	9,526.74	9,459.75	66.99	142.206	
16,100.00	6,227.00	5,902.00	5,799.81	178.98	26.96	-74.47	407.81	942.58	9,625.40	9,558.33	67.07	143.512	
16,200.00	6,227.00	5,902.00	5,799.81	180.70	26.96	-74.47	407.81	942.58	9,724.09	9,656.94	67.15	144.816	
16,300.00	6,227.00	5,902.00	5,799.81	182.42	26.96	-74.47	407.81	942.58	9,822.81	9,755.58	67.23	146.117	
16,400.00	6,227.00	5,902.00	5,799.81	184.15	26.96	-74.47	407.81	942.58	9,921.55	9,854.24	67.30	147.416	
16,500.00	6,227.00	5,902.00	5,799.81	185.87	26.96	-74.47	407.81	942.58	10,020.31	9,952.93	67.38	148.713	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 87-MWD OWSG												Offset Well Error:	0.00 usft
Reference				Offset				Semi Major Axis				Distance	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-86.56	7.29	-121.22	121.94				
100.00	100.00	89.03	89.03	0.27	0.14	-86.41	7.60	-121.19	121.43	121.03	0.41	299.726	
125.90	125.90	114.90	114.90	0.36	0.23	-86.33	7.78	-121.18	121.43	120.84	0.59	205.573 CC	
200.00	200.00	188.92	188.92	0.63	0.49	-86.12	8.22	-121.17	121.45	120.33	1.12	108.294	
300.00	300.00	288.79	288.78	0.99	0.85	-85.88	8.74	-121.26	121.57	119.73	1.84	66.165	
400.00	400.00	388.76	388.75	1.34	1.21	-85.63	9.27	-121.43	121.78	119.23	2.55	47.691 ES	
500.00	499.98	489.08	489.08	1.70	1.57	-167.53	9.95	-121.45	123.56	120.29	3.26	37.850	
600.00	599.84	589.69	589.68	2.05	1.92	-167.74	10.55	-121.06	128.34	124.37	3.97	32.318	
700.00	699.45	690.13	690.11	2.41	2.28	-168.29	10.95	-120.07	135.91	131.23	4.68	29.045	
800.00	798.70	790.02	789.99	2.79	2.63	-168.95	11.55	-118.59	146.42	141.03	5.39	27.171	
900.00	897.47	888.98	888.94	3.19	2.98	-169.80	11.97	-117.04	160.27	154.17	6.10	26.271	
1,000.00	995.62	987.78	987.72	3.62	3.33	-170.57	12.72	-115.39	177.47	170.65	6.82	26.030	
1,100.00	1,093.06	1,090.49	1,090.37	4.09	3.70	-171.06	14.59	-112.53	197.00	189.45	7.55	26.089	
1,200.00	1,189.64	1,194.58	1,194.23	4.59	4.07	-171.21	17.91	-106.53	217.01	208.72	8.29	26.168	
1,300.00	1,285.27	1,298.80	1,297.97	5.14	4.46	-171.22	22.19	-97.52	237.58	228.54	9.04	26.279	
1,400.00	1,379.82	1,401.71	1,400.08	5.74	4.85	-171.12	27.34	-85.91	258.93	249.14	9.79	26.437	
1,500.00	1,473.17	1,498.67	1,496.12	6.40	5.22	-170.82	33.68	-74.16	282.84	272.30	10.55	26.812	
1,600.00	1,565.21	1,595.60	1,592.05	7.12	5.60	-170.47	40.94	-62.33	310.01	298.70	11.32	27.397	
1,614.66	1,578.59	1,609.74	1,606.05	7.23	5.66	-170.43	41.99	-60.58	314.25	302.82	11.43	27.488	
1,700.00	1,656.38	1,702.85	1,698.00	7.88	6.04	-170.29	48.93	-47.77	338.02	325.90	12.11	27.901	
1,800.00	1,747.52	1,810.31	1,803.44	8.67	6.49	-170.06	57.40	-28.86	362.04	349.12	12.92	28.017	
1,900.00	1,838.67	1,912.47	1,903.26	9.47	6.94	-169.72	66.32	-9.05	384.35	370.61	13.74	27.983	
2,000.00	1,929.81	2,012.11	2,000.58	10.28	7.39	-169.68	73.27	11.17	405.72	391.17	14.55	27.890	
2,100.00	2,020.96	2,104.95	2,091.40	11.10	7.82	-169.74	79.04	29.57	427.56	412.21	15.35	27.863	
2,200.00	2,112.10	2,212.44	2,196.44	11.92	8.32	-169.75	86.16	51.23	449.09	432.91	16.19	27.744	
2,300.00	2,203.25	2,310.37	2,291.75	12.75	8.79	-169.69	93.17	72.60	468.95	451.93	17.01	27.562	
2,400.00	2,294.39	2,405.57	2,384.58	13.59	9.25	-169.66	99.73	92.65	489.55	471.71	17.84	27.445	
2,500.00	2,385.54	2,507.98	2,484.42	14.43	9.75	-169.59	107.16	114.17	510.23	491.54	18.69	27.301	
2,600.00	2,476.68	2,626.23	2,598.46	15.27	10.37	-169.06	119.71	142.74	527.74	508.12	19.62	26.896	
2,700.00	2,567.83	2,716.94	2,685.59	16.11	10.86	-168.52	130.89	165.37	544.61	524.11	20.50	26.564	
2,800.00	2,658.97	2,807.53	2,773.01	16.96	11.34	-168.09	141.26	186.71	562.92	541.55	21.37	26.340	
2,900.00	2,750.12	2,898.17	2,861.00	17.80	11.81	-167.89	149.74	206.78	582.57	560.34	22.22	26.215	
3,000.00	2,841.26	2,988.00	2,948.39	18.65	12.27	-167.68	158.48	225.62	603.42	580.36	23.07	26.161	
3,100.00	2,932.41	3,074.43	3,032.79	19.50	12.70	-167.53	166.55	242.40	625.81	601.93	23.88	26.209	
3,200.00	3,023.55	3,162.07	3,118.79	20.35	13.12	-167.51	173.53	257.78	649.96	625.28	24.68	26.338	
3,300.00	3,114.70	3,254.58	3,209.69	21.21	13.56	-167.44	181.55	272.98	675.23	649.72	25.51	26.473	
3,400.00	3,205.84	3,371.23	3,323.96	22.06	14.12	-167.28	192.47	293.67	699.29	672.79	26.50	26.390	
3,500.00	3,296.99	3,511.46	3,459.82	22.92	14.86	-166.89	207.70	324.78	719.02	691.39	27.63	26.027	
3,600.00	3,388.13	3,639.72	3,582.07	23.77	15.63	-166.26	224.75	359.55	733.98	705.25	28.72	25.552	
3,700.00	3,479.28	3,727.50	3,665.16	24.63	16.17	-165.75	237.54	384.83	747.35	717.66	29.69	25.175	
3,800.00	3,570.42	3,820.58	3,753.77	25.48	16.73	-165.29	250.46	410.20	762.28	731.62	30.66	24.862	
3,900.00	3,661.57	3,913.24	3,842.34	26.34	17.28	-164.96	261.96	434.89	777.75	746.14	31.61	24.602	
4,000.00	3,752.71	3,999.00	3,924.71	27.20	17.78	-164.74	271.62	456.74	794.36	761.85	32.51	24.434	
4,100.00	3,843.86	4,087.93	4,010.52	28.05	18.28	-164.58	280.97	478.11	812.34	778.94	33.40	24.321	
4,200.00	3,935.00	4,187.37	4,106.76	28.91	18.83	-164.44	291.28	500.94	831.38	797.04	34.35	24.204	
4,300.00	4,026.15	4,285.12	4,201.01	29.77	19.38	-164.22	302.45	524.32	849.58	814.28	35.30	24.064	
4,400.00	4,117.29	4,364.19	4,277.56	30.63	19.81	-164.07	311.36	541.99	869.34	833.20	36.13	24.058 SF	
4,500.00	4,208.44	4,451.61	4,362.65	31.49	20.27	-163.98	320.32	559.88	890.84	853.85	36.99	24.086	
4,600.00	4,299.58	4,537.79	4,446.90	32.35	20.71	-164.01	327.59	576.49	913.33	875.54	37.79	24.167	
4,700.00	4,390.73	4,618.76	4,526.32	33.21	21.10	-164.06	334.28	590.80	937.37	898.82	38.54	24.320	
4,800.00	4,481.88	4,704.33	4,610.48	34.07	21.50	-164.13	341.24	604.63	962.86	923.55	39.31	24.493	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE F-J-36HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 87-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,900.00	4,573.02	4,788.73	4,693.70	34.93	21.88	-164.24	347.40	617.27	989.41	949.36	40.05	24.705	
5,000.00	4,664.17	4,869.53	4,773.60	35.79	22.24	-164.40	352.40	628.11	1,017.35	976.62	40.73	24.979	
5,100.00	4,755.31	4,944.68	4,848.14	36.65	22.54	-164.60	356.29	636.84	1,046.91	1,005.59	41.33	25.333	
5,200.00	4,846.46	5,012.00	4,915.08	37.51	22.81	-164.80	359.36	643.28	1,078.47	1,036.64	41.83	25.783	
5,300.00	4,937.60	5,092.13	4,994.93	38.37	23.09	-165.08	362.26	649.32	1,111.83	1,069.41	42.42	26.211	
5,400.00	5,028.75	5,169.05	5,071.71	39.23	23.35	-165.39	364.19	653.62	1,146.86	1,103.90	42.96	26.696	
5,500.00	5,119.89	5,251.51	5,154.05	40.09	23.63	-165.71	366.34	657.36	1,182.95	1,139.40	43.55	27.162	
5,600.00	5,211.04	5,332.14	5,234.60	40.96	23.88	-166.00	368.41	660.24	1,219.96	1,175.84	44.12	27.649	
5,700.00	5,302.18	5,409.78	5,312.21	41.82	24.12	-166.31	369.83	662.17	1,257.96	1,213.31	44.65	28.173	
5,800.00	5,393.33	5,481.17	5,383.59	42.68	24.32	-166.61	370.52	662.86	1,297.33	1,252.24	45.09	28.770	
5,900.00	5,484.47	5,563.62	5,466.04	43.54	24.54	-166.97	370.67	662.47	1,337.98	1,292.34	45.64	29.316	
6,000.00	5,575.62	5,658.57	5,560.98	44.40	24.79	-167.37	370.78	662.09	1,378.64	1,332.32	46.32	29.766	
6,100.00	5,666.76	5,753.54	5,655.94	45.26	25.04	-167.81	369.21	661.88	1,419.09	1,372.11	46.98	30.209	
6,175.79	5,735.84	5,820.33	5,722.67	45.92	25.21	-168.19	366.38	661.77	1,449.67	1,402.26	47.41	30.578	
6,200.00	5,757.87	5,836.00	5,738.30	46.13	25.24	-162.01	365.26	661.67	1,459.49	1,412.00	47.48	30.736	
6,250.00	5,803.02	5,874.39	5,776.48	46.56	25.33	-150.27	361.36	661.22	1,479.73	1,432.06	47.67	31.043	
6,300.00	5,847.42	5,909.02	5,810.70	46.99	25.40	-140.11	356.07	660.59	1,499.88	1,452.10	47.78	31.392	
6,350.00	5,890.72	5,937.82	5,838.89	47.41	25.46	-131.49	350.23	659.86	1,519.99	1,472.18	47.81	31.791	
6,400.00	5,932.60	5,965.00	5,865.23	47.83	25.50	-124.30	343.61	658.94	1,540.19	1,492.38	47.81	32.215	
6,450.00	5,972.74	5,979.31	5,878.98	48.23	25.52	-117.93	339.71	658.34	1,560.48	1,512.79	47.69	32.723	
6,500.00	6,010.83	5,996.00	5,894.92	48.61	25.55	-112.58	334.81	657.54	1,580.89	1,533.32	47.58	33.227	
6,550.00	6,046.58	6,009.81	5,908.00	48.98	25.56	-107.90	330.45	656.81	1,601.37	1,553.93	47.44	33.756	
6,600.00	6,079.73	6,021.35	5,918.85	49.33	25.58	-103.74	326.58	656.16	1,621.84	1,574.55	47.29	34.297	
6,650.00	6,110.01	6,028.00	5,925.07	49.67	25.59	-99.92	324.25	655.77	1,642.26	1,595.16	47.10	34.866	
6,700.00	6,137.21	6,037.52	5,933.92	49.98	25.60	-96.62	320.80	655.22	1,662.53	1,615.57	46.96	35.401	
6,750.00	6,161.10	6,041.39	5,937.50	50.28	25.60	-93.48	319.36	654.99	1,682.55	1,635.76	46.79	35.957	
6,800.00	6,181.52	6,042.37	5,938.42	50.55	25.60	-90.57	318.99	654.93	1,702.22	1,655.60	46.63	36.508	
6,850.00	6,198.29	6,040.89	5,937.04	50.81	25.60	-87.88	319.54	655.02	1,721.41	1,674.94	46.47	37.045	
6,900.00	6,211.31	6,037.29	5,933.71	51.05	25.60	-85.43	320.88	655.23	1,739.97	1,693.64	46.33	37.558	
6,950.00	6,220.46	6,028.00	5,925.07	51.27	25.59	-83.08	324.25	655.77	1,757.78	1,711.62	46.16	38.076	
7,000.00	6,225.68	6,028.00	5,925.07	51.47	25.59	-81.34	324.25	655.77	1,774.68	1,728.51	46.17	38.437	
7,040.67	6,227.00	6,028.00	5,925.07	51.63	25.59	-80.14	324.25	655.77	1,787.71	1,741.49	46.22	38.679	
7,100.00	6,227.00	6,011.86	5,909.93	51.85	25.57	-79.63	329.78	656.69	1,806.92	1,760.79	46.13	39.173	
7,200.00	6,227.00	5,996.00	5,894.92	52.25	25.55	-79.13	334.81	657.54	1,843.07	1,796.87	46.20	39.891	
7,300.00	6,227.00	5,996.00	5,894.92	52.70	25.55	-79.13	334.81	657.54	1,883.67	1,837.08	46.59	40.427	
7,400.00	6,227.00	5,978.81	5,878.50	53.18	25.52	-78.58	339.85	658.37	1,928.38	1,881.56	46.81	41.192	
7,500.00	6,227.00	5,965.00	5,865.23	53.71	25.50	-78.14	343.61	658.94	1,977.06	1,929.92	47.14	41.939	
7,600.00	6,227.00	5,965.00	5,865.23	54.28	25.50	-78.14	343.61	658.94	2,029.36	1,981.65	47.71	42.535	
7,700.00	6,227.00	5,965.00	5,865.23	54.89	25.50	-78.14	343.61	658.94	2,085.16	2,036.85	48.30	43.168	
7,800.00	6,227.00	5,947.00	5,847.81	55.55	25.47	-77.57	348.11	659.58	2,143.90	2,095.23	48.66	44.057	
7,900.00	6,227.00	5,932.00	5,833.21	56.25	25.45	-77.09	351.51	660.03	2,205.69	2,156.61	49.07	44.946	
8,000.00	6,227.00	5,932.00	5,833.21	56.99	25.45	-77.09	351.51	660.03	2,270.03	2,220.34	49.69	45.687	
8,100.00	6,227.00	5,932.00	5,833.21	57.78	25.45	-77.09	351.51	660.03	2,336.88	2,286.59	50.29	46.471	
8,200.00	6,227.00	5,932.00	5,833.21	58.62	25.45	-77.09	351.51	660.03	2,406.02	2,355.15	50.87	47.297	
8,300.00	6,227.00	5,919.14	5,820.63	59.49	25.42	-76.67	354.17	660.35	2,477.14	2,425.86	51.28	48.306	
8,400.00	6,227.00	5,914.75	5,816.33	60.41	25.41	-76.53	355.01	660.46	2,550.21	2,498.43	51.78	49.256	
8,500.00	6,227.00	5,900.00	5,801.81	61.37	25.38	-76.06	357.63	660.77	2,625.13	2,572.99	52.13	50.354	
8,600.00	6,227.00	5,900.00	5,801.81	62.37	25.38	-76.06	357.63	660.77	2,701.49	2,648.85	52.64	51.321	
8,700.00	6,227.00	5,900.00	5,801.81	63.41	25.38	-76.06	357.63	660.77	2,779.35	2,726.23	53.12	52.322	
8,800.00	6,227.00	5,900.00	5,801.81	64.49	25.38	-76.06	357.63	660.77	2,858.59	2,805.01	53.58	53.355	
8,900.00	6,227.00	5,900.00	5,801.81	65.60	25.38	-76.06	357.63	660.77	2,939.09	2,885.08	54.01	54.417	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE F-J-36HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 87-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	5,900.00	5,801.81	66.74	25.38	-76.06	357.63	660.77	3,020.76	2,966.34	54.42	55.506	
9,100.00	6,227.00	5,900.00	5,801.81	67.92	25.38	-76.06	357.63	660.77	3,103.51	3,048.69	54.81	56.620	
9,200.00	6,227.00	5,900.00	5,801.81	69.13	25.38	-76.06	357.63	660.77	3,187.24	3,132.06	55.18	57.757	
9,300.00	6,227.00	5,885.38	5,787.38	70.37	25.35	-75.59	359.88	661.04	3,271.70	3,216.29	55.41	59.047	
9,400.00	6,227.00	5,882.94	5,784.95	71.63	25.35	-75.51	360.23	661.09	3,357.12	3,301.40	55.72	60.245	
9,500.00	6,227.00	5,868.00	5,770.14	72.92	25.32	-75.04	362.13	661.32	3,443.46	3,387.54	55.92	61.575	
9,600.00	6,227.00	5,868.00	5,770.14	74.23	25.32	-75.04	362.13	661.32	3,530.34	3,474.11	56.23	62.783	
9,700.00	6,227.00	5,868.00	5,770.14	75.57	25.32	-75.04	362.13	661.32	3,617.89	3,561.36	56.52	64.007	
9,800.00	6,227.00	5,868.00	5,770.14	76.93	25.32	-75.04	362.13	661.32	3,706.07	3,649.27	56.80	65.245	
9,900.00	6,227.00	5,868.00	5,770.14	78.31	25.32	-75.04	362.13	661.32	3,794.84	3,737.77	57.07	66.497	
10,000.00	6,227.00	5,868.00	5,770.14	79.71	25.32	-75.04	362.13	661.32	3,884.15	3,826.83	57.32	67.761	
10,100.00	6,227.00	5,868.00	5,770.14	81.12	25.32	-75.04	362.13	661.32	3,973.98	3,916.41	57.56	69.037	
10,200.00	6,227.00	5,868.00	5,770.14	82.55	25.32	-75.04	362.13	661.32	4,064.28	4,006.48	57.79	70.323	
10,300.00	6,227.00	5,868.00	5,770.14	84.00	25.32	-75.04	362.13	661.32	4,155.02	4,097.00	58.02	71.619	
10,400.00	6,227.00	5,868.00	5,770.14	85.46	25.32	-75.04	362.13	661.32	4,246.18	4,187.95	58.23	72.925	
10,500.00	6,227.00	5,868.00	5,770.14	86.94	25.32	-75.04	362.13	661.32	4,337.73	4,279.30	58.43	74.238	
10,600.00	6,227.00	5,868.00	5,770.14	88.43	25.32	-75.04	362.13	661.32	4,429.64	4,371.01	58.62	75.560	
10,700.00	6,227.00	5,868.00	5,770.14	89.93	25.32	-75.04	362.13	661.32	4,521.90	4,463.08	58.81	76.888	
10,800.00	6,227.00	5,868.00	5,770.14	91.44	25.32	-75.04	362.13	661.32	4,614.48	4,555.48	58.99	78.223	
10,900.00	6,227.00	5,854.24	5,756.46	92.96	25.29	-74.60	363.62	661.49	4,707.23	4,648.15	59.08	79.673	
11,000.00	6,227.00	5,852.67	5,754.90	94.50	25.28	-74.55	363.78	661.51	4,800.37	4,741.13	59.24	81.031	
11,100.00	6,227.00	5,851.15	5,753.39	96.04	25.28	-74.50	363.92	661.53	4,893.78	4,834.38	59.40	82.393	
11,200.00	6,227.00	5,849.69	5,751.93	97.59	25.28	-74.45	364.06	661.54	4,987.44	4,927.89	59.54	83.760	
11,300.00	6,227.00	5,836.00	5,738.30	99.15	25.24	-74.02	365.26	661.67	5,081.44	5,021.82	59.62	85.230	
11,400.00	6,227.00	5,836.00	5,738.30	100.72	25.24	-74.02	365.26	661.67	5,175.54	5,115.77	59.77	86.592	
11,500.00	6,227.00	5,836.00	5,738.30	102.30	25.24	-74.02	365.26	661.67	5,269.86	5,209.95	59.91	87.958	
11,600.00	6,227.00	5,836.00	5,738.30	103.88	25.24	-74.02	365.26	661.67	5,364.39	5,304.33	60.05	89.327	
11,700.00	6,227.00	5,836.00	5,738.30	105.47	25.24	-74.02	365.26	661.67	5,459.11	5,398.92	60.19	90.699	
11,743.45	6,227.00	5,836.00	5,738.30	106.17	25.24	-74.02	365.26	661.67	5,500.33	5,440.08	60.25	91.296	
11,808.25	6,227.00	5,836.00	5,738.30	107.20	25.24	-75.03	365.26	661.67	5,561.63	5,501.29	60.34	92.177	
11,900.00	6,227.00	5,836.00	5,738.30	108.66	25.24	-75.03	365.26	661.67	5,648.24	5,587.77	60.47	93.410	
12,000.00	6,227.00	5,836.00	5,738.30	110.26	25.24	-75.03	365.26	661.67	5,742.82	5,682.22	60.61	94.755	
12,100.00	6,227.00	5,836.00	5,738.30	111.86	25.24	-75.03	365.26	661.67	5,837.59	5,776.85	60.74	96.103	
12,200.00	6,227.00	5,836.00	5,738.30	113.47	25.24	-75.03	365.26	661.67	5,932.52	5,871.65	60.88	97.453	
12,300.00	6,227.00	5,836.00	5,738.30	115.08	25.24	-75.03	365.26	661.67	6,027.62	5,966.62	61.00	98.805	
12,400.00	6,227.00	5,836.00	5,738.30	116.70	25.24	-75.03	365.26	661.67	6,122.88	6,061.75	61.13	100.159	
12,500.00	6,227.00	5,836.00	5,738.30	118.33	25.24	-75.03	365.26	661.67	6,218.28	6,157.03	61.25	101.515	
12,600.00	6,227.00	5,836.00	5,738.30	119.96	25.24	-75.03	365.26	661.67	6,313.83	6,252.45	61.38	102.872	
12,700.00	6,227.00	5,836.00	5,738.30	121.60	25.24	-75.03	365.26	661.67	6,409.51	6,348.02	61.49	104.230	
12,800.00	6,227.00	5,836.00	5,738.30	123.24	25.24	-75.03	365.26	661.67	6,505.33	6,443.72	61.61	105.589	
12,900.00	6,227.00	5,836.00	5,738.30	124.88	25.24	-75.03	365.26	661.67	6,601.26	6,539.54	61.72	106.949	
13,000.00	6,227.00	5,836.00	5,738.30	126.53	25.24	-75.03	365.26	661.67	6,697.32	6,635.48	61.83	108.310	
13,100.00	6,227.00	5,836.00	5,738.30	128.18	25.24	-75.03	365.26	661.67	6,793.49	6,731.54	61.94	109.671	
13,200.00	6,227.00	5,836.00	5,738.30	129.84	25.24	-75.03	365.26	661.67	6,889.77	6,827.71	62.05	111.032	
13,300.00	6,227.00	5,836.00	5,738.30	131.50	25.24	-75.03	365.26	661.67	6,986.15	6,923.99	62.16	112.394	
13,400.00	6,227.00	5,836.00	5,738.30	133.16	25.24	-75.03	365.26	661.67	7,082.63	7,020.37	62.26	113.756	
13,500.00	6,227.00	5,836.00	5,738.30	134.83	25.24	-75.03	365.26	661.67	7,179.21	7,116.85	62.36	115.117	
13,600.00	6,227.00	5,836.00	5,738.30	136.50	25.24	-75.03	365.26	661.67	7,275.88	7,213.42	62.47	116.479	
13,700.00	6,227.00	5,836.00	5,738.30	138.17	25.24	-75.03	365.26	661.67	7,372.65	7,310.08	62.56	117.840	
13,800.00	6,227.00	5,836.00	5,738.30	139.85	25.24	-75.03	365.26	661.67	7,469.49	7,406.83	62.66	119.201	
13,900.00	6,227.00	5,836.00	5,738.30	141.53	25.24	-75.03	365.26	661.67	7,566.42	7,503.66	62.76	120.561	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 87-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	6,227.00	5,836.00	5,738.30	143.21	25.24	-75.03	365.26	661.67	7,663.43	7,600.57	62.86	121.920		
14,100.00	6,227.00	5,820.87	5,723.20	144.89	25.21	-74.58	366.35	661.77	7,760.37	7,697.48	62.89	123.399		
14,200.00	6,227.00	5,820.18	5,722.52	146.58	25.21	-74.56	366.39	661.77	7,857.52	7,794.54	62.98	124.762		
14,300.00	6,227.00	5,819.52	5,721.86	148.26	25.20	-74.54	366.44	661.77	7,954.73	7,891.66	63.07	126.125		
14,400.00	6,227.00	5,818.87	5,721.21	149.96	25.20	-74.52	366.48	661.78	8,052.01	7,988.85	63.16	127.486		
14,500.00	6,227.00	5,818.23	5,720.57	151.65	25.20	-74.50	366.52	661.78	8,149.36	8,086.11	63.25	128.846		
14,600.00	6,227.00	5,803.00	5,705.36	153.34	25.16	-74.04	367.33	661.82	8,246.90	8,183.62	63.28	130.326		
14,700.00	6,227.00	5,803.00	5,705.36	155.04	25.16	-74.04	367.33	661.82	8,344.36	8,280.99	63.37	131.678		
14,800.00	6,227.00	5,803.00	5,705.36	156.74	25.16	-74.04	367.33	661.82	8,441.88	8,378.42	63.46	133.029		
14,900.00	6,227.00	5,803.00	5,705.36	158.44	25.16	-74.04	367.33	661.82	8,539.45	8,475.91	63.55	134.379		
15,000.00	6,227.00	5,803.00	5,705.36	160.14	25.16	-74.04	367.33	661.82	8,637.09	8,573.45	63.64	135.728		
15,100.00	6,227.00	5,803.00	5,705.36	161.85	25.16	-74.04	367.33	661.82	8,734.77	8,671.05	63.72	137.075		
15,200.00	6,227.00	5,803.00	5,705.36	163.56	25.16	-74.04	367.33	661.82	8,832.51	8,768.70	63.81	138.420		
15,300.00	6,227.00	5,803.00	5,705.36	165.26	25.16	-74.04	367.33	661.82	8,930.30	8,866.40	63.90	139.764		
15,400.00	6,227.00	5,803.00	5,705.36	166.97	25.16	-74.04	367.33	661.82	9,028.14	8,964.15	63.98	141.106		
15,500.00	6,227.00	5,803.00	5,705.36	168.68	25.16	-74.04	367.33	661.82	9,126.02	9,061.95	64.07	142.446		
15,600.00	6,227.00	5,803.00	5,705.36	170.40	25.16	-74.04	367.33	661.82	9,223.95	9,159.80	64.15	143.785		
15,700.00	6,227.00	5,803.00	5,705.36	172.11	25.16	-74.04	367.33	661.82	9,321.92	9,257.69	64.24	145.121		
15,800.00	6,227.00	5,803.00	5,705.36	173.83	25.16	-74.04	367.33	661.82	9,419.94	9,355.62	64.32	146.456		
15,900.00	6,227.00	5,803.00	5,705.36	175.54	25.16	-74.04	367.33	661.82	9,517.99	9,453.59	64.40	147.788		
16,000.00	6,227.00	5,803.00	5,705.36	177.26	25.16	-74.04	367.33	661.82	9,616.09	9,551.60	64.49	149.119		
16,100.00	6,227.00	5,803.00	5,705.36	178.98	25.16	-74.04	367.33	661.82	9,714.23	9,649.66	64.57	150.447		
16,200.00	6,227.00	5,803.00	5,705.36	180.70	25.16	-74.04	367.33	661.82	9,812.40	9,747.75	64.65	151.773		
16,300.00	6,227.00	5,803.00	5,705.36	182.42	25.16	-74.04	367.33	661.82	9,910.61	9,845.87	64.73	153.098		
16,400.00	6,227.00	5,803.00	5,705.36	184.15	25.16	-74.04	367.33	661.82	10,008.85	9,944.04	64.82	154.419		

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE K21-024-36HNB - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 222-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	20.04	0.00	21.97					
100.00	100.00	91.05	91.05	0.27	0.15	-0.11	19.91	-0.04	19.91	19.49	0.42	47.444		
200.00	200.00	191.11	191.11	0.63	0.32	-0.49	19.49	-0.17	19.49	18.54	0.94	20.648		
300.00	300.00	291.11	291.11	0.99	0.61	-0.90	18.86	-0.30	18.87	17.27	1.60	11.789		
400.00	400.00	391.03	391.02	1.34	0.97	-0.02	18.42	-0.01	18.42	16.11	2.31	7.969		
428.02	428.02	419.00	418.99	1.44	1.07	-81.50	18.42	0.31	18.41	15.90	2.51	7.339 CC		
500.00	499.98	490.86	490.84	1.70	1.32	-82.11	18.75	1.70	18.50	15.49	3.01	6.143		
600.00	599.84	590.73	590.64	2.05	1.67	-87.00	19.88	5.26	18.99	15.28	3.71	5.116 ES		
700.00	699.45	690.44	690.11	2.41	2.02	-92.84	22.27	11.67	20.47	16.04	4.43	4.622		
800.00	798.70	790.32	789.42	2.79	2.39	-97.26	26.19	21.47	23.17	17.99	5.18	4.475		
900.00	897.47	890.33	888.50	3.19	2.78	-101.53	30.79	34.26	26.30	20.34	5.96	4.412		
1,000.00	995.62	990.58	987.44	3.62	3.19	-106.64	35.76	49.58	29.82	23.04	6.79	4.394		
1,100.00	1,093.06	1,090.77	1,085.73	4.09	3.62	-110.92	40.72	68.38	33.07	25.41	7.65	4.320 SF		
1,200.00	1,189.64	1,190.27	1,183.30	4.59	4.07	-118.88	45.69	87.22	37.97	29.46	8.52	4.458		
1,300.00	1,285.27	1,291.16	1,282.13	5.14	4.53	-128.64	50.05	107.00	44.60	35.27	9.33	4.782		
1,400.00	1,379.82	1,390.41	1,379.03	5.74	5.01	-137.62	53.74	128.17	52.92	42.82	10.10	5.242		
1,500.00	1,473.17	1,489.69	1,475.59	6.40	5.51	-143.67	59.54	150.48	64.97	54.09	10.88	5.969		
1,600.00	1,565.21	1,590.23	1,572.69	7.12	6.05	-147.60	66.64	175.54	78.64	66.94	11.70	6.720		
1,614.66	1,578.59	1,604.83	1,586.74	7.23	6.13	-148.10	67.69	179.36	80.76	68.93	11.83	6.829		
1,700.00	1,656.38	1,689.69	1,668.34	7.88	6.60	-150.74	73.62	201.91	92.97	80.44	12.54	7.415		
1,800.00	1,747.52	1,786.25	1,761.40	8.67	7.13	-152.93	80.86	226.61	108.58	95.19	13.39	8.108		
1,900.00	1,838.67	1,885.56	1,857.18	9.47	7.69	-154.41	88.92	251.62	124.88	110.62	14.26	8.757		
2,000.00	1,929.81	1,985.87	1,953.66	10.28	8.26	-155.36	97.27	277.74	140.46	125.30	15.15	9.269		
2,100.00	2,020.96	2,086.14	2,049.94	11.10	8.85	-156.50	104.28	304.85	154.74	138.71	16.03	9.656		
2,200.00	2,112.10	2,184.93	2,144.77	11.92	9.43	-157.51	110.90	331.74	168.82	151.93	16.89	9.993		
2,300.00	2,203.25	2,282.39	2,238.41	12.75	10.00	-158.31	117.64	357.91	183.37	165.60	17.77	10.321		
2,400.00	2,294.39	2,382.07	2,334.16	13.59	10.59	-158.76	125.48	384.48	198.33	179.66	18.67	10.622		
2,500.00	2,385.54	2,480.17	2,428.27	14.43	11.17	-158.99	133.68	410.91	213.12	193.53	19.59	10.877		
2,600.00	2,476.68	2,576.58	2,520.70	15.27	11.75	-158.78	143.47	436.49	228.68	208.12	20.57	11.120		
2,700.00	2,567.83	2,673.07	2,613.23	16.11	12.32	-158.27	154.83	461.40	245.29	223.72	21.57	11.370		
2,800.00	2,658.97	2,771.86	2,708.29	16.96	12.90	-158.11	165.26	486.20	262.36	239.80	22.56	11.631		
2,900.00	2,750.12	2,872.34	2,805.11	17.80	13.48	-158.35	173.99	511.59	278.87	255.38	23.49	11.870		
3,000.00	2,841.26	2,972.57	2,901.51	18.65	14.07	-158.48	182.97	537.53	294.84	270.40	24.45	12.061		
3,100.00	2,932.41	3,073.23	2,998.24	19.50	14.67	-158.66	191.48	564.04	310.25	284.86	25.39	12.220		
3,200.00	3,023.55	3,171.78	3,093.00	20.35	15.26	-158.99	198.85	590.11	325.34	299.05	26.29	12.374		
3,300.00	3,114.70	3,270.18	3,187.64	21.21	15.85	-159.28	206.29	615.96	340.64	313.45	27.20	12.525		
3,400.00	3,205.84	3,373.58	3,286.72	22.06	16.48	-159.36	215.10	644.21	355.08	326.90	28.17	12.604		
3,500.00	3,296.99	3,472.66	3,381.40	22.92	17.10	-159.17	225.20	671.62	369.51	340.33	29.18	12.662		
3,600.00	3,388.13	3,576.58	3,480.42	23.77	17.76	-159.07	234.90	701.60	382.56	352.35	30.21	12.663		
3,700.00	3,479.28	3,674.69	3,573.56	24.63	18.39	-158.70	245.83	730.44	395.45	364.18	31.27	12.645		
3,800.00	3,570.42	3,770.87	3,665.21	25.48	19.01	-158.58	255.22	758.01	408.79	376.52	32.27	12.667		
3,900.00	3,661.57	3,869.23	3,759.30	26.34	19.62	-158.64	263.66	785.40	422.72	389.49	33.23	12.720		
4,000.00	3,752.71	3,962.10	3,848.31	27.20	20.19	-158.71	271.66	810.71	437.26	403.10	34.15	12.803		
4,100.00	3,843.86	4,060.14	3,942.60	28.05	20.78	-158.90	279.39	836.39	452.70	417.63	35.07	12.909		
4,200.00	3,935.00	4,155.58	4,034.69	28.91	21.34	-159.23	285.84	860.61	468.71	432.80	35.92	13.050		
4,300.00	4,026.15	4,262.43	4,137.25	29.77	21.98	-159.34	294.69	889.19	483.65	446.74	36.91	13.103		
4,400.00	4,117.29	4,360.97	4,231.81	30.63	22.58	-159.42	302.93	915.67	498.52	460.67	37.85	13.169		
4,500.00	4,208.44	4,463.50	4,330.22	31.49	23.21	-159.68	309.80	943.64	512.64	473.87	38.77	13.223		
4,600.00	4,299.58	4,558.45	4,421.21	32.35	23.79	-159.80	317.20	969.73	526.81	487.13	39.68	13.277		
4,700.00	4,390.73	4,653.76	4,512.73	33.21	24.37	-159.86	325.20	995.13	541.91	501.31	40.60	13.349		
4,800.00	4,481.88	4,754.77	4,609.97	34.07	24.97	-160.11	331.93	1,021.59	557.14	515.65	41.49	13.428		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE K21-024-36HNB - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 222-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,573.02	4,862.22	4,713.15	34.93	25.62	-160.40	338.47	1,050.86	571.21	528.80	42.41	13.469		
5,000.00	4,664.17	4,958.37	4,805.31	35.79	26.22	-160.58	344.94	1,077.47	584.98	541.69	43.29	13.513		
5,100.00	4,755.31	5,054.64	4,897.74	36.65	26.80	-160.80	351.07	1,103.68	599.15	554.99	44.16	13.569		
5,200.00	4,846.46	5,149.93	4,989.34	37.51	27.38	-160.96	357.64	1,129.14	613.94	568.91	45.03	13.635		
5,300.00	4,937.60	5,247.87	5,083.36	38.37	27.97	-160.97	366.16	1,155.22	629.11	583.13	45.98	13.683		
5,400.00	5,028.75	5,349.46	5,180.87	39.23	28.59	-160.99	374.72	1,182.38	644.15	597.20	46.95	13.721		
5,500.00	5,119.89	5,438.77	5,266.72	40.09	29.13	-161.07	381.64	1,206.00	659.38	611.58	47.79	13.796		
5,600.00	5,211.04	5,530.32	5,355.20	40.96	29.66	-161.22	388.17	1,228.57	676.26	627.64	48.62	13.909		
5,700.00	5,302.18	5,639.38	5,460.56	41.82	30.29	-161.39	395.89	1,255.65	693.01	643.43	49.58	13.976		
5,800.00	5,393.33	5,728.00	5,545.99	42.68	30.81	-161.39	403.86	1,277.83	709.81	659.36	50.45	14.070		
5,900.00	5,484.47	5,827.76	5,642.11	43.54	31.39	-161.30	413.99	1,302.52	727.11	675.66	51.45	14.133		
6,000.00	5,575.62	5,919.35	5,730.78	44.40	31.90	-161.41	420.90	1,324.35	744.88	692.61	52.27	14.250		
6,100.00	5,666.76	6,059.77	5,865.97	45.26	32.59	-163.35	407.56	1,357.94	759.40	706.74	52.65	14.422		
6,175.79	5,735.84	6,193.14	5,985.99	45.92	33.14	-167.35	363.40	1,393.56	764.64	712.63	52.01	14.703		
6,200.00	5,757.87	6,212.79	6,002.48	46.13	33.21	-162.77	354.00	1,398.63	766.35	714.41	51.94	14.754		
6,250.00	5,803.02	6,248.46	6,031.59	46.56	33.33	-154.07	335.33	1,407.35	770.61	718.80	51.81	14.873		
6,300.00	5,847.42	6,280.71	6,056.87	46.99	33.42	-146.73	316.73	1,414.74	776.31	724.65	51.66	15.026		
6,350.00	5,890.72	6,306.28	6,076.12	47.41	33.48	-140.47	300.86	1,420.34	783.91	732.37	51.54	15.210		
6,400.00	5,932.60	6,325.12	6,089.81	47.83	33.53	-134.96	288.55	1,424.31	793.84	742.42	51.42	15.440		
6,450.00	5,972.74	6,343.00	6,102.42	48.23	33.57	-130.31	276.40	1,427.95	806.33	755.03	51.30	15.717		
6,500.00	6,010.83	6,343.00	6,102.42	48.61	33.57	-125.02	276.40	1,427.95	821.41	770.34	51.07	16.083		
6,550.00	6,046.58	6,343.00	6,102.42	48.98	33.57	-120.14	276.40	1,427.95	839.04	788.22	50.82	16.511		
6,600.00	6,079.73	6,343.00	6,102.42	49.33	33.57	-115.57	276.40	1,427.95	858.94	808.36	50.58	16.982		
6,650.00	6,110.01	6,343.00	6,102.42	49.67	33.57	-111.20	276.40	1,427.95	880.80	830.39	50.40	17.475		
6,700.00	6,137.21	6,343.00	6,102.42	49.98	33.57	-107.00	276.40	1,427.95	904.32	854.00	50.33	17.969		
6,750.00	6,161.10	6,343.00	6,102.42	50.28	33.57	-102.93	276.40	1,427.95	929.22	878.84	50.38	18.445		
6,800.00	6,181.52	6,343.00	6,102.42	50.55	33.57	-99.01	276.40	1,427.95	955.19	904.62	50.57	18.889		
6,850.00	6,198.29	6,343.00	6,102.42	50.81	33.57	-95.23	276.40	1,427.95	981.96	931.05	50.91	19.290		
6,900.00	6,211.31	6,313.82	6,081.65	51.05	33.50	-89.97	296.00	1,421.95	1,008.38	957.93	50.45	19.987		
6,950.00	6,220.46	6,302.78	6,073.53	51.27	33.47	-86.13	303.09	1,419.59	1,035.18	984.51	50.67	20.431		
7,000.00	6,225.68	6,290.89	6,064.63	51.47	33.44	-82.61	310.53	1,417.00	1,061.68	1,010.71	50.97	20.831		
7,040.67	6,227.00	6,280.68	6,056.85	51.63	33.42	-80.00	316.75	1,414.74	1,082.84	1,031.57	51.27	21.121		
7,100.00	6,227.00	6,255.00	6,036.80	51.85	33.36	-78.86	331.69	1,408.88	1,114.43	1,063.03	51.40	21.683		
7,200.00	6,227.00	6,255.00	6,036.80	52.25	33.36	-78.86	331.69	1,408.88	1,171.45	1,118.30	53.15	22.042		
7,300.00	6,227.00	6,225.41	6,012.91	52.70	33.25	-77.53	347.63	1,401.78	1,232.93	1,179.07	53.86	22.889		
7,400.00	6,227.00	6,208.55	5,998.95	53.18	33.20	-76.77	356.08	1,397.55	1,298.62	1,243.66	54.97	23.626		
7,500.00	6,227.00	6,167.00	5,963.59	53.71	33.06	-74.90	374.91	1,386.56	1,368.73	1,313.52	55.21	24.793		
7,600.00	6,227.00	6,167.00	5,963.59	54.28	33.06	-74.90	374.91	1,386.56	1,440.54	1,383.85	56.70	25.409		
7,700.00	6,227.00	6,167.00	5,963.59	54.89	33.06	-74.90	374.91	1,386.56	1,515.55	1,457.50	58.05	26.106		
7,800.00	6,227.00	6,167.00	5,963.59	55.55	33.06	-74.90	374.91	1,386.56	1,593.32	1,534.03	59.28	26.876		
7,900.00	6,227.00	6,167.00	5,963.59	56.25	33.06	-74.90	374.91	1,386.56	1,673.44	1,613.04	60.40	27.708		
8,000.00	6,227.00	6,167.00	5,963.59	56.99	33.06	-74.90	374.91	1,386.56	1,755.60	1,694.21	61.40	28.595		
8,100.00	6,227.00	6,126.89	5,928.16	57.78	32.89	-73.10	390.16	1,375.62	1,837.74	1,776.40	61.34	29.960		
8,200.00	6,227.00	6,119.01	5,921.05	58.62	32.85	-72.75	392.79	1,373.48	1,922.43	1,860.42	62.01	31.001		
8,300.00	6,227.00	6,078.00	5,883.34	59.49	32.68	-70.92	404.53	1,362.46	2,009.69	1,947.79	61.90	32.467		
8,400.00	6,227.00	6,078.00	5,883.34	60.41	32.68	-70.92	404.53	1,362.46	2,096.36	2,033.72	62.64	33.468		
8,500.00	6,227.00	6,078.00	5,883.34	61.37	32.68	-70.92	404.53	1,362.46	2,184.17	2,120.86	63.31	34.500		
8,600.00	6,227.00	6,078.00	5,883.34	62.37	32.68	-70.92	404.53	1,362.46	2,272.99	2,209.07	63.92	35.560		
8,700.00	6,227.00	6,078.00	5,883.34	63.41	32.68	-70.92	404.53	1,362.46	2,362.70	2,298.22	64.48	36.645		
8,800.00	6,227.00	6,078.00	5,883.34	64.49	32.68	-70.92	404.53	1,362.46	2,453.20	2,388.22	64.99	37.750		
8,900.00	6,227.00	6,078.00	5,883.34	65.60	32.68	-70.92	404.53	1,362.46	2,544.42	2,478.97	65.45	38.875		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE K21-Q24-36HNB - OWB - FINAL SURVEY											Offset Site Error: 0.00 usft		
Survey Program: 222-MWD OWSG											Offset Well Error: 0.00 usft		
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor
9,000.00	6,227.00	6,078.00	5,883.34	66.74	32.68	-70.92	404.53	1,362.46	2,636.28	2,570.39	65.88	40.016	
9,100.00	6,227.00	6,078.00	5,883.34	67.92	32.68	-70.92	404.53	1,362.46	2,728.70	2,662.43	66.28	41.171	
9,200.00	6,227.00	6,078.00	5,883.34	69.13	32.68	-70.92	404.53	1,362.46	2,821.65	2,755.01	66.64	42.340	
9,300.00	6,227.00	6,078.00	5,883.34	70.37	32.68	-70.92	404.53	1,362.46	2,915.06	2,848.08	66.98	43.521	
9,400.00	6,227.00	6,078.00	5,883.34	71.63	32.68	-70.92	404.53	1,362.46	3,008.89	2,941.60	67.30	44.711	
9,500.00	6,227.00	6,078.00	5,883.34	72.92	32.68	-70.92	404.53	1,362.46	3,103.11	3,035.52	67.59	45.911	
9,600.00	6,227.00	6,078.00	5,883.34	74.23	32.68	-70.92	404.53	1,362.46	3,197.68	3,129.82	67.86	47.120	
9,700.00	6,227.00	6,078.00	5,883.34	75.57	32.68	-70.92	404.53	1,362.46	3,292.58	3,224.46	68.12	48.335	
9,800.00	6,227.00	6,078.00	5,883.34	76.93	32.68	-70.92	404.53	1,362.46	3,387.76	3,319.40	68.36	49.558	
9,900.00	6,227.00	6,078.00	5,883.34	78.31	32.68	-70.92	404.53	1,362.46	3,483.22	3,414.63	68.59	50.786	
10,000.00	6,227.00	6,078.00	5,883.34	79.71	32.68	-70.92	404.53	1,362.46	3,578.92	3,510.12	68.80	52.020	
10,100.00	6,227.00	6,038.03	5,845.66	81.12	32.49	-69.16	412.91	1,352.14	3,673.30	3,604.80	68.50	53.623	
10,200.00	6,227.00	6,035.70	5,843.44	82.55	32.48	-69.05	413.31	1,351.56	3,769.26	3,700.59	68.67	54.887	
10,300.00	6,227.00	6,033.48	5,841.32	84.00	32.47	-68.96	413.68	1,351.01	3,865.41	3,796.58	68.84	56.153	
10,400.00	6,227.00	6,031.37	5,839.30	85.46	32.46	-68.86	414.03	1,350.48	3,961.75	3,892.76	68.99	57.423	
10,500.00	6,227.00	6,029.35	5,837.38	86.94	32.45	-68.78	414.35	1,349.98	4,058.25	3,989.11	69.14	58.695	
10,600.00	6,227.00	5,990.00	5,799.47	88.43	32.27	-67.07	419.13	1,340.61	4,156.27	4,087.41	68.86	60.355	
10,700.00	6,227.00	5,990.00	5,799.47	89.93	32.27	-67.07	419.13	1,340.61	4,252.95	4,183.93	69.03	61.613	
10,800.00	6,227.00	5,990.00	5,799.47	91.44	32.27	-67.07	419.13	1,340.61	4,349.78	4,280.60	69.18	62.873	
10,900.00	6,227.00	5,990.00	5,799.47	92.96	32.27	-67.07	419.13	1,340.61	4,446.75	4,377.42	69.33	64.136	
11,000.00	6,227.00	5,990.00	5,799.47	94.50	32.27	-67.07	419.13	1,340.61	4,543.85	4,474.38	69.48	65.401	
11,100.00	6,227.00	5,990.00	5,799.47	96.04	32.27	-67.07	419.13	1,340.61	4,641.08	4,571.46	69.62	66.668	
11,200.00	6,227.00	5,990.00	5,799.47	97.59	32.27	-67.07	419.13	1,340.61	4,738.42	4,668.67	69.75	67.936	
11,300.00	6,227.00	5,990.00	5,799.47	99.15	32.27	-67.07	419.13	1,340.61	4,835.87	4,765.99	69.88	69.206	
11,400.00	6,227.00	5,990.00	5,799.47	100.72	32.27	-67.07	419.13	1,340.61	4,933.42	4,863.42	70.00	70.477	
11,500.00	6,227.00	5,990.00	5,799.47	102.30	32.27	-67.07	419.13	1,340.61	5,031.06	4,960.94	70.12	71.749	
11,600.00	6,227.00	5,990.00	5,799.47	103.88	32.27	-67.07	419.13	1,340.61	5,128.80	5,058.56	70.24	73.021	
11,700.00	6,227.00	5,990.00	5,799.47	105.47	32.27	-67.07	419.13	1,340.61	5,226.62	5,156.28	70.35	74.295	
11,743.45	6,227.00	5,990.00	5,799.47	106.17	32.27	-67.07	419.13	1,340.61	5,269.16	5,198.76	70.40	74.848	
11,808.25	6,227.00	5,990.00	5,799.47	107.20	32.27	-69.28	419.13	1,340.61	5,332.47	5,262.00	70.47	75.668	
11,900.00	6,227.00	5,990.00	5,799.47	108.66	32.27	-69.28	419.13	1,340.61	5,421.97	5,351.39	70.58	76.819	
12,000.00	6,227.00	5,990.00	5,799.47	110.26	32.27	-69.28	419.13	1,340.61	5,519.60	5,448.91	70.70	78.074	
12,100.00	6,227.00	5,990.00	5,799.47	111.86	32.27	-69.28	419.13	1,340.61	5,617.32	5,546.51	70.81	79.330	
12,200.00	6,227.00	5,990.00	5,799.47	113.47	32.27	-69.28	419.13	1,340.61	5,715.11	5,644.19	70.92	80.586	
12,300.00	6,227.00	5,990.00	5,799.47	115.08	32.27	-69.28	419.13	1,340.61	5,812.98	5,741.96	71.03	81.842	
12,400.00	6,227.00	5,990.00	5,799.47	116.70	32.27	-69.28	419.13	1,340.61	5,910.93	5,839.79	71.13	83.099	
12,500.00	6,227.00	5,990.00	5,799.47	118.33	32.27	-69.28	419.13	1,340.61	6,008.94	5,937.70	71.23	84.355	
12,600.00	6,227.00	5,990.00	5,799.47	119.96	32.27	-69.28	419.13	1,340.61	6,107.01	6,035.68	71.33	85.612	
12,700.00	6,227.00	5,990.00	5,799.47	121.60	32.27	-69.28	419.13	1,340.61	6,205.14	6,133.71	71.43	86.868	
12,800.00	6,227.00	5,990.00	5,799.47	123.24	32.27	-69.28	419.13	1,340.61	6,303.34	6,231.81	71.53	88.124	
12,900.00	6,227.00	5,990.00	5,799.47	124.88	32.27	-69.28	419.13	1,340.61	6,401.59	6,329.97	71.62	89.380	
13,000.00	6,227.00	5,990.00	5,799.47	126.53	32.27	-69.28	419.13	1,340.61	6,499.89	6,428.18	71.71	90.635	
13,100.00	6,227.00	5,990.00	5,799.47	128.18	32.27	-69.28	419.13	1,340.61	6,598.25	6,526.44	71.81	91.890	
13,200.00	6,227.00	5,990.00	5,799.47	129.84	32.27	-69.28	419.13	1,340.61	6,696.65	6,624.75	71.90	93.144	
13,300.00	6,227.00	5,990.00	5,799.47	131.50	32.27	-69.28	419.13	1,340.61	6,795.10	6,723.12	71.98	94.398	
13,400.00	6,227.00	5,990.00	5,799.47	133.16	32.27	-69.28	419.13	1,340.61	6,893.59	6,821.52	72.07	95.651	
13,500.00	6,227.00	5,990.00	5,799.47	134.83	32.27	-69.28	419.13	1,340.61	6,992.13	6,919.97	72.16	96.903	
13,600.00	6,227.00	5,990.00	5,799.47	136.50	32.27	-69.28	419.13	1,340.61	7,090.71	7,018.47	72.24	98.154	
13,700.00	6,227.00	5,990.00	5,799.47	138.17	32.27	-69.28	419.13	1,340.61	7,189.33	7,117.00	72.32	99.404	
13,800.00	6,227.00	5,990.00	5,799.47	139.85	32.27	-69.28	419.13	1,340.61	7,287.98	7,215.57	72.41	100.653	
13,900.00	6,227.00	5,990.00	5,799.47	141.53	32.27	-69.28	419.13	1,340.61	7,386.67	7,314.18	72.49	101.901	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 222-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	6,227.00	5,990.00	5,799.47	143.21	32.27	-69.28	419.13	1,340.61	7,485.40	7,412.83	72.57	103.148		
14,100.00	6,227.00	5,990.00	5,799.47	144.89	32.27	-69.28	419.13	1,340.61	7,584.16	7,511.51	72.65	104.394		
14,200.00	6,227.00	5,990.00	5,799.47	146.58	32.27	-69.28	419.13	1,340.61	7,682.95	7,610.22	72.73	105.639		
14,300.00	6,227.00	5,990.00	5,799.47	148.26	32.27	-69.28	419.13	1,340.61	7,781.77	7,708.96	72.81	106.882		
14,400.00	6,227.00	5,990.00	5,799.47	149.96	32.27	-69.28	419.13	1,340.61	7,880.62	7,807.74	72.88	108.124		
14,500.00	6,227.00	5,990.00	5,799.47	151.65	32.27	-69.28	419.13	1,340.61	7,979.50	7,906.54	72.96	109.365		
14,600.00	6,227.00	5,990.00	5,799.47	153.34	32.27	-69.28	419.13	1,340.61	8,078.41	8,005.37	73.04	110.604		
14,700.00	6,227.00	5,990.00	5,799.47	155.04	32.27	-69.28	419.13	1,340.61	8,177.35	8,104.23	73.11	111.842		
14,800.00	6,227.00	5,990.00	5,799.47	156.74	32.27	-69.28	419.13	1,340.61	8,276.31	8,203.12	73.19	113.079		
14,900.00	6,227.00	5,990.00	5,799.47	158.44	32.27	-69.28	419.13	1,340.61	8,375.29	8,302.03	73.27	114.314		
15,000.00	6,227.00	5,990.00	5,799.47	160.14	32.27	-69.28	419.13	1,340.61	8,474.30	8,400.96	73.34	115.547		
15,100.00	6,227.00	5,990.00	5,799.47	161.85	32.27	-69.28	419.13	1,340.61	8,573.33	8,499.92	73.42	116.779		
15,200.00	6,227.00	5,990.00	5,799.47	163.56	32.27	-69.28	419.13	1,340.61	8,672.39	8,598.90	73.49	118.009		
15,300.00	6,227.00	5,990.00	5,799.47	165.26	32.27	-69.28	419.13	1,340.61	8,771.46	8,697.90	73.56	119.237		
15,400.00	6,227.00	5,990.00	5,799.47	166.97	32.27	-69.28	419.13	1,340.61	8,870.56	8,796.92	73.64	120.464		
15,500.00	6,227.00	5,990.00	5,799.47	168.68	32.27	-69.28	419.13	1,340.61	8,969.67	8,895.96	73.71	121.689		
15,600.00	6,227.00	5,990.00	5,799.47	170.40	32.27	-69.28	419.13	1,340.61	9,068.81	8,995.03	73.78	122.912		
15,700.00	6,227.00	5,990.00	5,799.47	172.11	32.27	-69.28	419.13	1,340.61	9,167.96	9,094.11	73.86	124.134		
15,800.00	6,227.00	5,990.00	5,799.47	173.83	32.27	-69.28	419.13	1,340.61	9,267.14	9,193.21	73.93	125.353		
15,900.00	6,227.00	5,990.00	5,799.47	175.54	32.27	-69.28	419.13	1,340.61	9,366.33	9,292.33	74.00	126.571		
16,000.00	6,227.00	5,990.00	5,799.47	177.26	32.27	-69.28	419.13	1,340.61	9,465.54	9,391.46	74.07	127.787		
16,100.00	6,227.00	5,990.00	5,799.47	178.98	32.27	-69.28	419.13	1,340.61	9,564.76	9,490.61	74.14	129.001		
16,200.00	6,227.00	5,990.00	5,799.47	180.70	32.27	-69.28	419.13	1,340.61	9,664.00	9,589.78	74.22	130.213		
16,300.00	6,227.00	5,990.00	5,799.47	182.42	32.27	-69.28	419.13	1,340.61	9,763.25	9,688.97	74.29	131.423		
16,400.00	6,227.00	5,990.00	5,799.47	184.15	32.27	-69.28	419.13	1,340.61	9,862.52	9,788.16	74.36	132.631		
16,500.00	6,227.00	5,990.00	5,799.47	185.87	32.27	-69.28	419.13	1,340.61	9,961.81	9,887.38	74.43	133.837		
16,600.00	6,227.00	5,990.00	5,799.47	187.60	32.27	-69.28	419.13	1,340.61	10,061.11	9,986.60	74.50	135.041		

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE K-35-36MRLNB - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 17-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	151.54	151.54	0.27	0.48	-74.05	908.95	-3,179.74	3,307.53	3,306.78	0.75	4,384.744		
200.00	200.00	229.00	228.99	0.63	0.76	-74.05	908.59	-3,178.88	3,306.32	3,304.93	1.39	2,382.018		
300.00	300.00	312.31	312.30	0.99	1.06	-74.05	908.52	-3,178.24	3,305.58	3,303.53	2.04	1,618.431		
400.00	400.00	403.84	403.83	1.34	1.38	-74.04	908.70	-3,177.92	3,305.30	3,302.57	2.72	1,213.497		
405.20	405.20	408.70	408.68	1.36	1.40	-156.09	908.72	-3,177.91	3,305.29	3,302.53	2.76	1,197.919		
500.00	499.98	487.72	487.70	1.70	1.67	-156.09	908.54	-3,178.01	3,306.94	3,303.57	3.37	982.654		
600.00	599.84	573.18	573.15	2.05	1.96	-156.10	907.28	-3,178.85	3,312.27	3,308.26	4.01	826.039		
700.00	699.45	653.01	652.93	2.41	2.24	-156.12	904.93	-3,180.35	3,321.24	3,316.60	4.64	715.269		
800.00	798.70	723.36	723.17	2.79	2.49	-156.14	901.67	-3,182.51	3,334.12	3,328.86	5.25	634.752		
900.00	897.47	793.00	792.61	3.19	2.73	-156.17	897.44	-3,185.72	3,351.19	3,345.33	5.87	571.204		
1,000.00	995.62	872.48	871.76	3.62	3.02	-156.22	891.80	-3,190.16	3,372.14	3,365.61	6.53	516.634		
1,100.00	1,093.06	981.78	980.58	4.09	3.43	-156.35	883.62	-3,196.27	3,396.23	3,388.92	7.31	464.641		
1,200.00	1,189.64	1,075.00	1,073.42	4.59	3.78	-156.43	876.87	-3,201.23	3,423.29	3,415.25	8.04	425.633		
1,300.00	1,285.27	1,169.00	1,167.08	5.14	4.13	-156.50	870.30	-3,205.93	3,453.29	3,444.50	8.79	392.903		
1,400.00	1,379.82	1,231.41	1,229.23	5.74	4.37	-156.45	865.76	-3,209.36	3,486.88	3,477.45	9.42	369.969		
1,500.00	1,473.17	1,292.29	1,289.77	6.40	4.60	-156.37	860.96	-3,213.55	3,524.59	3,514.52	10.06	350.260		
1,600.00	1,565.21	1,373.44	1,370.44	7.12	4.92	-156.37	854.43	-3,219.58	3,565.84	3,555.04	10.79	330.434		
1,614.66	1,578.59	1,391.94	1,388.83	7.23	4.99	-156.40	853.00	-3,220.93	3,572.13	3,561.20	10.93	326.810		
1,700.00	1,656.38	1,641.37	1,637.20	7.88	5.95	-157.47	833.99	-3,233.12	3,607.63	3,595.36	12.28	293.878		
1,800.00	1,747.52	1,711.00	1,706.57	8.67	6.22	-157.76	828.18	-3,234.75	3,646.66	3,633.69	12.97	281.187		
1,900.00	1,838.67	1,763.90	1,759.28	9.47	6.42	-157.97	824.07	-3,236.33	3,686.55	3,672.95	13.59	271.183		
2,000.00	1,929.81	1,801.00	1,796.26	10.28	6.56	-158.12	821.43	-3,237.90	3,727.72	3,713.57	14.15	263.389		
2,100.00	2,020.96	1,849.31	1,844.40	11.10	6.75	-158.30	818.33	-3,240.48	3,770.09	3,755.34	14.75	255.554		
2,200.00	2,112.10	1,890.00	1,884.94	11.92	6.90	-158.45	816.05	-3,243.10	3,813.62	3,798.30	15.32	248.990		
2,300.00	2,203.25	2,517.00	2,508.53	12.75	9.23	-160.67	767.72	-3,244.38	3,850.33	3,832.09	18.23	211.163		
2,400.00	2,294.39	2,542.62	2,534.02	13.59	9.33	-160.75	765.39	-3,243.08	3,882.95	3,864.17	18.78	206.765		
2,500.00	2,385.54	2,607.00	2,597.73	14.43	9.57	-161.02	756.47	-3,241.27	3,917.07	3,897.60	19.47	201.164		
2,600.00	2,476.68	10,602.92	6,311.59	15.27	117.15	-172.35	301.49	639.02	3,842.70	3,800.54	42.16	91.149		
2,700.00	2,567.83	10,640.69	6,311.63	16.11	118.15	-172.29	303.59	676.73	3,751.54	3,708.88	42.66	87.947		
2,800.00	2,658.97	10,678.46	6,311.70	16.96	119.14	-172.24	305.75	714.45	3,660.42	3,617.26	43.16	84.811		
2,900.00	2,750.12	10,718.45	6,311.79	17.80	120.20	-172.17	308.08	754.36	3,569.33	3,525.65	43.68	81.706		
3,000.00	2,841.26	10,760.62	6,311.90	18.65	121.32	-172.10	310.52	796.46	3,478.24	3,434.01	44.23	78.639		
3,100.00	2,932.41	10,802.47	6,311.99	19.50	122.43	-172.02	312.92	838.24	3,387.15	3,342.37	44.78	75.644		
3,200.00	3,023.55	10,843.49	6,312.07	20.35	123.52	-171.94	315.29	879.20	3,296.05	3,250.72	45.32	72.725		
3,300.00	3,114.70	10,884.52	6,312.16	21.21	124.60	-171.85	317.70	920.15	3,204.95	3,159.08	45.87	69.870		
3,400.00	3,205.84	10,933.82	6,312.23	22.06	125.91	-171.77	320.10	969.39	3,113.80	3,067.33	46.48	66.996		
3,500.00	3,296.99	10,982.91	6,312.23	22.92	127.22	-171.72	321.40	1,018.47	3,022.55	2,975.47	47.07	64.209		
3,600.00	3,388.13	11,023.98	6,312.22	23.77	128.32	-171.72	321.82	1,059.54	2,931.24	2,883.63	47.61	61.566		
3,700.00	3,479.28	11,065.44	6,312.23	24.63	129.43	-171.74	321.74	1,101.00	2,839.92	2,791.77	48.15	58.983		
3,800.00	3,570.42	11,103.50	6,312.27	25.48	130.45	-171.77	321.27	1,139.05	2,748.61	2,699.95	48.66	56.484		
3,900.00	3,661.57	11,140.86	6,312.38	26.34	131.45	-171.83	320.50	1,176.41	2,657.36	2,608.19	49.17	54.044		
4,000.00	3,752.71	11,181.56	6,312.55	27.20	132.54	-171.91	319.34	1,217.09	2,566.14	2,516.45	49.69	51.638		
4,100.00	3,843.86	11,228.34	6,312.70	28.05	133.79	-172.03	317.80	1,263.84	2,474.87	2,424.62	50.25	49.254		
4,200.00	3,935.00	11,272.52	6,312.74	28.91	134.98	-172.15	316.21	1,307.99	2,383.51	2,332.73	50.78	46.936		
4,300.00	4,026.15	11,312.05	6,312.78	29.77	136.04	-172.28	314.75	1,347.50	2,292.14	2,240.85	51.30	44.685		
4,400.00	4,117.29	11,351.67	6,312.83	30.63	137.10	-172.41	313.31	1,387.08	2,200.79	2,148.98	51.81	42.479		
4,500.00	4,208.44	11,408.26	6,312.71	31.49	138.62	-172.61	311.33	1,443.64	2,109.31	2,056.93	52.39	40.265		
4,600.00	4,299.58	11,463.94	6,312.14	32.35	140.12	-172.82	309.55	1,499.29	2,017.52	1,964.57	52.95	38.102		
4,700.00	4,390.73	11,498.42	6,311.75	33.21	141.04	-172.95	308.73	1,533.76	1,925.68	1,872.24	53.44	36.033		
4,800.00	4,481.88	11,537.59	6,311.27	34.07	142.10	-173.08	308.07	1,572.92	1,833.84	1,779.88	53.95	33.989		
4,900.00	4,573.02	11,576.04	6,310.82	34.93	143.13	-173.23	307.28	1,611.36	1,742.01	1,687.55	54.46	31.987		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE K-35-36MRLNB - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 17-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,664.17	11,614.40	6,310.44	35.79	144.16	-173.48	305.62	1,649.68	1,650.22	1,595.27	54.95	30.031		
5,100.00	4,755.31	11,652.19	6,310.12	36.65	145.17	-173.81	303.37	1,687.40	1,558.46	1,503.03	55.43	28.116		
5,200.00	4,846.46	11,689.67	6,309.82	37.51	146.18	-174.07	302.12	1,724.86	1,466.77	1,410.85	55.92	26.229		
5,300.00	4,937.60	11,729.00	6,309.51	38.37	147.24	-174.25	302.21	1,764.19	1,375.15	1,318.71	56.44	24.365		
5,400.00	5,028.75	11,768.01	6,309.17	39.23	148.28	-174.31	303.41	1,803.18	1,283.55	1,226.57	56.98	22.527		
5,500.00	5,119.89	11,808.49	6,308.77	40.09	149.36	-174.29	305.53	1,843.60	1,191.94	1,134.40	57.54	20.717		
5,600.00	5,211.04	11,848.29	6,308.35	40.96	150.42	-174.19	308.26	1,883.30	1,100.32	1,042.21	58.11	18.935		
5,700.00	5,302.18	11,887.82	6,307.96	41.82	151.47	-174.07	310.87	1,922.74	1,008.73	950.04	58.69	17.187		
5,800.00	5,393.33	11,926.94	6,307.60	42.68	152.52	-173.96	313.30	1,961.78	917.16	857.88	59.27	15.473		
5,900.00	5,484.47	11,964.94	6,307.33	43.54	153.53	-173.85	315.58	1,999.72	825.68	765.81	59.87	13.791		
6,000.00	5,575.62	12,003.43	6,307.18	44.40	154.56	-173.72	317.82	2,038.14	734.30	673.83	60.48	12.142		
6,100.00	5,666.76	12,044.40	6,307.07	45.26	155.65	-173.55	320.17	2,079.04	643.00	581.92	61.08	10.527		
6,175.79	5,735.84	12,075.79	6,306.96	45.92	156.49	-173.38	321.98	2,110.38	573.77	512.22	61.54	9.323		
6,200.00	5,757.87	12,085.81	6,306.92	46.13	156.76	-173.64	322.56	2,120.38	551.66	489.99	61.66	8.946		
6,250.00	5,803.02	12,106.53	6,306.82	46.56	157.31	-175.32	323.76	2,141.07	506.20	444.47	61.73	8.200		
6,300.00	5,847.42	12,126.18	6,306.74	46.99	157.84	-178.01	324.90	2,160.69	461.43	399.78	61.65	7.485		
6,350.00	5,890.72	12,145.79	6,306.69	47.41	158.36	178.91	326.02	2,180.26	418.00	356.22	61.78	6.766		
6,400.00	5,932.60	12,165.14	6,306.67	47.83	158.88	175.92	327.11	2,199.58	376.79	313.66	63.13	5.968		
6,450.00	5,972.74	12,184.09	6,306.67	48.23	159.38	173.26	328.18	2,218.51	339.06	271.42	67.64	5.013		
6,500.00	6,010.83	12,202.51	6,306.70	48.61	159.88	170.99	329.20	2,236.90	306.51	228.63	77.88	3.936		
6,550.00	6,046.58	12,220.38	6,306.74	48.98	160.36	169.02	330.18	2,254.73	281.38	185.84	95.54	2.945		
6,600.00	6,079.73	12,237.29	6,306.79	49.33	160.81	167.36	331.10	2,271.62	266.16	146.69	119.47	2.228		
6,637.92	6,102.97	12,249.39	6,306.83	49.59	161.13	166.27	331.75	2,283.71	262.53	123.25	139.27	1.885 CC		
6,650.00	6,110.01	12,253.11	6,306.84	49.67	161.23	165.94	331.95	2,287.42	262.90	117.46	145.44	1.808		
6,700.00	6,137.21	12,267.71	6,306.89	49.98	161.62	164.70	332.72	2,301.99	272.25	103.90	168.35	1.617 ES		
6,750.00	6,161.10	12,280.97	6,306.94	50.28	161.98	163.59	333.42	2,315.24	293.13	107.82	185.31	1.582 SF		
6,800.00	6,181.52	12,292.79	6,306.99	50.55	162.29	162.58	334.04	2,327.04	323.35	126.99	196.36	1.647		
6,850.00	6,198.29	12,303.38	6,307.04	50.81	162.58	161.56	334.59	2,337.62	360.52	157.46	203.06	1.775		
6,900.00	6,211.31	12,312.40	6,307.08	51.05	162.82	160.57	335.06	2,346.63	402.59	195.62	206.97	1.945		
6,950.00	6,220.46	12,319.76	6,307.11	51.27	163.01	159.60	335.45	2,353.98	448.01	238.78	209.23	2.141		
7,000.00	6,225.68	12,325.39	6,307.13	51.47	163.17	158.61	335.75	2,359.60	495.63	285.11	210.52	2.354		
7,040.67	6,227.00	12,328.65	6,307.14	51.63	163.25	157.81	335.92	2,362.85	535.41	324.29	211.12	2.536		
7,100.00	6,227.00	12,332.55	6,307.16	51.85	163.36	155.52	336.13	2,366.74	593.99	382.29	211.70	2.806		
7,200.00	6,227.00	12,339.16	6,307.18	52.25	163.53	151.84	336.49	2,373.35	692.96	480.51	212.45	3.262		
7,300.00	6,227.00	12,345.83	6,307.21	52.70	163.71	148.36	336.85	2,380.01	792.14	579.11	213.03	3.719		
7,400.00	6,227.00	12,352.56	6,307.23	53.18	163.89	145.10	337.21	2,386.73	891.45	677.95	213.51	4.175		
7,500.00	6,227.00	12,359.35	6,307.26	53.71	164.07	142.05	337.58	2,393.51	990.86	776.93	213.93	4.632		
7,600.00	6,227.00	12,366.20	6,307.28	54.28	164.26	139.22	337.96	2,400.35	1,090.34	876.03	214.31	5.088		
7,700.00	6,227.00	12,373.11	6,307.30	54.89	164.44	136.58	338.34	2,407.25	1,189.86	975.20	214.66	5.543		
7,800.00	6,227.00	12,380.09	6,307.33	55.55	164.63	134.14	338.72	2,414.22	1,289.42	1,074.42	215.00	5.997		
7,900.00	6,227.00	12,387.13	6,307.35	56.25	164.82	131.87	339.11	2,421.24	1,389.02	1,173.68	215.33	6.451		
8,000.00	6,227.00	12,388.00	6,307.35	56.99	164.84	131.61	339.16	2,422.11	1,488.64	1,273.20	215.44	6.910		
8,100.00	6,227.00	12,388.00	6,307.35	57.78	164.84	131.61	339.16	2,422.11	1,588.32	1,372.80	215.51	7.370		
8,200.00	6,227.00	12,388.00	6,307.35	58.62	164.84	131.61	339.16	2,422.11	1,688.03	1,472.46	215.57	7.831		
8,300.00	6,227.00	12,388.00	6,307.35	59.49	164.84	131.61	339.16	2,422.11	1,787.77	1,572.16	215.62	8.291		
8,400.00	6,227.00	12,388.00	6,307.35	60.41	164.84	131.61	339.16	2,422.11	1,887.55	1,671.88	215.66	8.752		
8,500.00	6,227.00	12,388.00	6,307.35	61.37	164.84	131.61	339.16	2,422.11	1,987.34	1,771.64	215.70	9.214		
8,600.00	6,227.00	12,388.00	6,307.35	62.37	164.84	131.61	339.16	2,422.11	2,087.16	1,871.42	215.73	9.675		
8,700.00	6,227.00	12,388.00	6,307.35	63.41	164.84	131.61	339.16	2,422.11	2,186.99	1,971.23	215.76	10.136		
8,800.00	6,227.00	12,388.00	6,307.35	64.49	164.84	131.61	339.16	2,422.11	2,286.83	2,071.04	215.79	10.598		
8,900.00	6,227.00	12,388.00	6,307.35	65.60	164.84	131.61	339.16	2,422.11	2,386.69	2,170.88	215.81	11.059		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE K-35-36MRLNB - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 17-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	6,227.00	12,388.00	6,307.35	66.74	164.84	131.61	339.16	2,422.11	2,486.56	2,270.72	215.84	11.520		
9,100.00	6,227.00	12,418.25	6,307.43	67.92	165.65	123.84	340.57	2,452.33	2,585.98	2,368.99	216.99	11.918		
9,200.00	6,227.00	12,420.03	6,307.44	69.13	165.70	123.47	340.63	2,454.11	2,685.82	2,468.74	217.08	12.372		
9,300.00	6,227.00	12,421.73	6,307.44	70.37	165.75	123.11	340.69	2,455.81	2,785.67	2,568.50	217.17	12.827		
9,400.00	6,227.00	12,423.36	6,307.45	71.63	165.79	122.78	340.75	2,457.44	2,885.53	2,668.27	217.25	13.282		
9,500.00	6,227.00	12,424.91	6,307.45	72.92	165.83	122.47	340.80	2,458.99	2,985.39	2,768.06	217.33	13.736		
9,600.00	6,227.00	12,426.40	6,307.45	74.23	165.87	122.17	340.85	2,460.48	3,085.26	2,867.85	217.41	14.191		
9,700.00	6,227.00	12,427.83	6,307.45	75.57	165.91	121.89	340.89	2,461.90	3,185.14	2,967.65	217.49	14.645		
9,800.00	6,227.00	12,429.20	6,307.46	76.93	165.95	121.63	340.94	2,463.27	3,285.02	3,067.46	217.56	15.099		
9,900.00	6,227.00	12,430.51	6,307.46	78.31	165.98	121.38	340.97	2,464.58	3,384.91	3,167.28	217.63	15.553		
10,000.00	6,227.00	12,431.77	6,307.46	79.71	166.02	121.15	341.01	2,465.84	3,484.80	3,267.10	217.70	16.007		
10,100.00	6,227.00	12,432.98	6,307.46	81.12	166.05	120.93	341.05	2,467.05	3,584.70	3,366.93	217.77	16.461		
10,200.00	6,227.00	12,434.15	6,307.47	82.55	166.08	120.71	341.08	2,468.22	3,684.60	3,466.77	217.84	16.915		
10,300.00	6,227.00	12,435.27	6,307.47	84.00	166.11	120.51	341.11	2,469.34	3,784.51	3,566.61	217.90	17.368		
10,400.00	6,227.00	12,436.35	6,307.47	85.46	166.14	120.32	341.14	2,470.43	3,884.42	3,666.46	217.96	17.822		
10,500.00	6,227.00	12,437.40	6,307.47	86.94	166.17	120.14	341.16	2,471.47	3,984.33	3,766.31	218.02	18.275		
10,600.00	6,227.00	12,438.41	6,307.47	88.43	166.19	119.96	341.19	2,472.48	4,084.25	3,866.17	218.08	18.728		
10,700.00	6,227.00	12,439.38	6,307.48	89.93	166.22	119.79	341.21	2,473.45	4,184.17	3,966.03	218.14	19.181		
10,800.00	6,227.00	12,440.32	6,307.48	91.44	166.25	119.63	341.23	2,474.39	4,284.09	4,065.89	218.20	19.634		
10,900.00	6,227.00	12,441.22	6,307.48	92.96	166.27	119.48	341.25	2,475.29	4,384.02	4,165.76	218.26	20.087		
11,000.00	6,227.00	12,442.10	6,307.48	94.50	166.29	119.34	341.27	2,476.17	4,483.94	4,265.63	218.31	20.539		
11,100.00	6,227.00	12,442.95	6,307.48	96.04	166.32	119.19	341.29	2,477.02	4,583.88	4,365.51	218.37	20.992		
11,200.00	6,227.00	12,443.77	6,307.48	97.59	166.34	119.06	341.31	2,477.84	4,683.81	4,465.39	218.42	21.444		
11,300.00	6,227.00	12,444.57	6,307.49	99.15	166.36	118.93	341.33	2,478.64	4,783.74	4,565.27	218.47	21.896		
11,400.00	6,227.00	12,445.34	6,307.49	100.72	166.38	118.81	341.34	2,479.41	4,883.68	4,665.15	218.53	22.348		
11,500.00	6,227.00	12,446.09	6,307.49	102.30	166.40	118.69	341.36	2,480.16	4,983.62	4,765.04	218.58	22.800		
11,600.00	6,227.00	12,482.00	6,307.52	103.88	167.37	113.85	341.66	2,516.07	5,084.07	4,864.10	219.97	23.112		
11,700.00	6,227.00	12,482.00	6,307.52	105.47	167.37	113.85	341.66	2,516.07	5,183.99	4,963.99	220.00	23.564		
11,743.45	6,227.00	12,482.00	6,307.52	106.17	167.37	113.85	341.66	2,516.07	5,227.41	5,007.40	220.01	23.760		
11,808.25	6,227.00	12,482.00	6,307.52	107.20	167.37	140.62	341.66	2,516.07	5,292.18	5,072.15	220.02	24.053		
11,900.00	6,227.00	12,482.00	6,307.52	108.66	167.37	140.62	341.66	2,516.07	5,383.91	5,163.86	220.05	24.467		
12,000.00	6,227.00	12,482.00	6,307.52	110.26	167.37	140.62	341.66	2,516.07	5,483.89	5,263.82	220.07	24.919		
12,100.00	6,227.00	12,482.00	6,307.52	111.86	167.37	140.62	341.66	2,516.07	5,583.87	5,363.78	220.10	25.370		
12,200.00	6,227.00	12,482.00	6,307.52	113.47	167.37	140.62	341.66	2,516.07	5,683.85	5,463.73	220.12	25.821		
12,300.00	6,227.00	12,482.00	6,307.52	115.08	167.37	140.62	341.66	2,516.07	5,783.84	5,563.69	220.15	26.273		
12,400.00	6,227.00	12,482.00	6,307.52	116.70	167.37	140.62	341.66	2,516.07	5,883.82	5,663.65	220.17	26.724		
12,500.00	6,227.00	12,482.00	6,307.52	118.33	167.37	140.62	341.66	2,516.07	5,983.80	5,763.60	220.20	27.174		
12,600.00	6,227.00	12,482.00	6,307.52	119.96	167.37	140.62	341.66	2,516.07	6,083.79	5,863.56	220.23	27.625		
12,700.00	6,227.00	12,482.00	6,307.52	121.60	167.37	140.62	341.66	2,516.07	6,183.77	5,963.52	220.25	28.076		
12,800.00	6,227.00	12,482.00	6,307.52	123.24	167.37	140.62	341.66	2,516.07	6,283.76	6,063.48	220.28	28.526		
12,900.00	6,227.00	12,482.00	6,307.52	124.88	167.37	140.62	341.66	2,516.07	6,383.73	6,163.43	220.31	28.976		
13,000.00	6,227.00	12,482.00	6,307.52	126.53	167.37	140.62	341.66	2,516.07	6,483.73	6,263.39	220.34	29.426		
13,100.00	6,227.00	12,482.00	6,307.52	128.18	167.37	140.62	341.66	2,516.07	6,583.72	6,363.35	220.37	29.876		
13,200.00	6,227.00	12,482.00	6,307.52	129.84	167.37	140.62	341.66	2,516.07	6,683.70	6,463.31	220.40	30.326		
13,300.00	6,227.00	12,482.00	6,307.52	131.50	167.37	140.62	341.66	2,516.07	6,783.69	6,563.27	220.43	30.775		
13,400.00	6,227.00	12,482.00	6,307.52	133.16	167.37	140.62	341.66	2,516.07	6,883.68	6,663.22	220.45	31.225		
13,500.00	6,227.00	12,482.00	6,307.52	134.83	167.37	140.62	341.66	2,516.07	6,983.67	6,763.18	220.49	31.674		
13,600.00	6,227.00	12,482.00	6,307.52	136.50	167.37	140.62	341.66	2,516.07	7,083.66	6,863.14	220.52	32.123		
13,700.00	6,227.00	12,482.00	6,307.52	138.17	167.37	140.62	341.66	2,516.07	7,183.65	6,963.10	220.55	32.572		
13,800.00	6,227.00	12,482.00	6,307.52	139.85	167.37	140.62	341.66	2,516.07	7,283.63	7,063.06	220.58	33.021		
13,900.00	6,227.00	12,482.00	6,307.52	141.53	167.37	140.62	341.66	2,516.07	7,383.62	7,163.01	220.61	33.469		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 17-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,000.00	6,227.00	12,482.00	6,307.52	143.21	167.37	140.62	341.66	2,516.07	7,483.61	7,262.97	220.64	33.918	
14,100.00	6,227.00	12,482.00	6,307.52	144.89	167.37	140.62	341.66	2,516.07	7,583.60	7,362.93	220.67	34.366	
14,200.00	6,227.00	12,482.00	6,307.52	146.58	167.37	140.62	341.66	2,516.07	7,683.59	7,462.89	220.71	34.814	
14,300.00	6,227.00	12,482.00	6,307.52	148.26	167.37	140.62	341.66	2,516.07	7,783.58	7,562.84	220.74	35.261	
14,400.00	6,227.00	12,482.00	6,307.52	149.96	167.37	140.62	341.66	2,516.07	7,883.57	7,662.80	220.77	35.709	
14,500.00	6,227.00	12,482.00	6,307.52	151.65	167.37	140.62	341.66	2,516.07	7,983.57	7,762.76	220.81	36.156	
14,600.00	6,227.00	12,482.00	6,307.52	153.34	167.37	140.62	341.66	2,516.07	8,083.56	7,862.72	220.84	36.604	
14,700.00	6,227.00	12,482.00	6,307.52	155.04	167.37	140.62	341.66	2,516.07	8,183.55	7,962.67	220.88	37.050	
14,800.00	6,227.00	12,482.00	6,307.52	156.74	167.37	140.62	341.66	2,516.07	8,283.54	8,062.63	220.91	37.497	
14,900.00	6,227.00	12,482.00	6,307.52	158.44	167.37	140.62	341.66	2,516.07	8,383.53	8,162.59	220.95	37.944	
15,000.00	6,227.00	12,482.00	6,307.52	160.14	167.37	140.62	341.66	2,516.07	8,483.52	8,262.54	220.98	38.390	
15,100.00	6,227.00	12,482.00	6,307.52	161.85	167.37	140.62	341.66	2,516.07	8,583.52	8,362.50	221.02	38.836	
15,200.00	6,227.00	12,482.00	6,307.52	163.56	167.37	140.62	341.66	2,516.07	8,683.51	8,462.45	221.05	39.282	
15,300.00	6,227.00	12,482.00	6,307.52	165.26	167.37	140.62	341.66	2,516.07	8,783.50	8,562.41	221.09	39.728	
15,400.00	6,227.00	12,482.00	6,307.52	166.97	167.37	140.62	341.66	2,516.07	8,883.49	8,662.37	221.13	40.173	
15,500.00	6,227.00	12,482.00	6,307.52	168.68	167.37	140.62	341.66	2,516.07	8,983.49	8,762.32	221.17	40.619	
15,600.00	6,227.00	12,482.00	6,307.52	170.40	167.37	140.62	341.66	2,516.07	9,083.48	8,862.28	221.20	41.064	
15,700.00	6,227.00	12,482.00	6,307.52	172.11	167.37	140.62	341.66	2,516.07	9,183.47	8,962.23	221.24	41.509	
15,800.00	6,227.00	12,482.00	6,307.52	173.83	167.37	140.62	341.66	2,516.07	9,283.47	9,062.19	221.28	41.953	
15,900.00	6,227.00	12,482.00	6,307.52	175.54	167.37	140.62	341.66	2,516.07	9,383.46	9,162.14	221.32	42.398	
16,000.00	6,227.00	12,482.00	6,307.52	177.26	167.37	140.62	341.66	2,516.07	9,483.45	9,262.09	221.36	42.842	
16,100.00	6,227.00	12,482.00	6,307.52	178.98	167.37	140.62	341.66	2,516.07	9,583.45	9,362.05	221.40	43.286	
16,200.00	6,227.00	12,482.00	6,307.52	180.70	167.37	140.62	341.66	2,516.07	9,683.44	9,462.00	221.44	43.730	
16,300.00	6,227.00	12,482.00	6,307.52	182.42	167.37	140.62	341.66	2,516.07	9,783.43	9,561.95	221.48	44.173	
16,400.00	6,227.00	12,482.00	6,307.52	184.15	167.37	140.62	341.66	2,516.07	9,883.43	9,661.91	221.52	44.616	
16,500.00	6,227.00	12,482.00	6,307.52	185.87	167.37	140.62	341.66	2,516.07	9,983.42	9,761.86	221.56	45.059	
16,600.00	6,227.00	12,482.00	6,307.52	187.60	167.37	140.62	341.66	2,516.07	10,083.42	9,861.81	221.60	45.502	
16,700.00	6,227.00	12,482.00	6,307.52	189.32	167.37	140.62	341.66	2,516.07	10,183.41	9,961.77	221.65	45.945	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE K-O-36HC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG, 7544-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-77.32	26.96	-119.83	123.32				
100.00	100.00	88.66	88.66	0.27	0.13	-77.36	26.91	-119.97	122.95	122.55	0.40	305.875	
200.00	200.00	188.59	188.59	0.63	0.48	-77.48	26.72	-120.36	123.30	122.18	1.11	110.964	
300.00	300.00	290.72	290.71	0.99	0.83	-77.31	26.99	-119.83	122.84	121.02	1.82	67.440	
400.00	400.00	393.84	393.77	1.34	1.19	-76.30	28.44	-116.64	120.15	117.61	2.54	47.372	
500.00	499.98	494.19	493.97	1.70	1.55	-156.88	31.05	-111.74	117.69	114.45	3.24	36.322	
557.23	557.15	552.38	552.04	1.90	1.76	-156.11	32.86	-108.45	117.39	113.74	3.65	32.186	
600.00	599.84	595.87	595.42	2.05	1.92	-155.62	34.23	-105.65	117.55	113.60	3.95	29.748	
700.00	699.45	699.03	698.18	2.41	2.30	-154.80	37.40	-97.34	118.65	113.97	4.68	25.372	
800.00	798.70	803.37	801.84	2.79	2.71	-154.57	39.95	-85.74	119.80	114.39	5.41	22.152	
900.00	897.47	908.27	905.58	3.19	3.14	-155.26	40.95	-70.23	120.13	113.98	6.14	19.558	
1,000.00	995.62	1,012.88	1,008.35	3.62	3.59	-156.67	40.72	-50.72	119.57	112.69	6.88	17.387	
1,100.00	1,093.06	1,116.58	1,109.50	4.09	4.07	-158.70	39.68	-27.93	118.84	111.23	7.61	15.625	
1,154.36	1,145.67	1,172.45	1,163.72	4.36	4.35	-160.12	38.73	-14.51	118.68	110.68	8.00	14.833	
1,200.00	1,189.64	1,219.32	1,209.08	4.59	4.59	-161.50	37.68	-2.74	118.80	110.46	8.34	14.241	
1,300.00	1,285.27	1,324.07	1,309.73	5.14	5.16	-165.13	34.53	26.10	119.17	110.11	9.06	13.151	
1,400.00	1,379.82	1,425.48	1,406.21	5.74	5.75	-169.12	30.88	57.09	120.19	110.38	9.82	12.246	
1,500.00	1,473.17	1,526.37	1,501.96	6.40	6.37	-172.99	27.70	88.75	124.39	113.79	10.60	11.740	
1,600.00	1,565.21	1,629.10	1,598.94	7.12	7.04	-176.45	25.28	122.51	130.98	119.59	11.39	11.499	
1,614.66	1,578.59	1,644.59	1,613.47	7.23	7.14	-176.93	24.98	127.88	131.99	120.48	11.51	11.471	
1,700.00	1,656.38	1,734.78	1,697.30	7.88	7.77	-179.57	23.53	161.10	136.26	124.08	12.19	11.180	
1,800.00	1,747.52	1,839.62	1,793.40	8.67	8.57	178.33	24.29	202.99	137.87	124.86	13.01	10.595	
1,900.00	1,838.67	1,945.75	1,888.97	9.47	9.46	177.05	27.74	248.96	135.52	121.71	13.81	9.810	
2,000.00	1,929.81	2,049.10	1,980.33	10.28	10.38	176.09	32.62	297.06	129.39	114.73	14.66	8.827	
2,100.00	2,020.96	2,148.10	2,067.22	11.10	11.28	175.76	39.00	344.05	121.87	106.29	15.59	7.819	
2,200.00	2,112.10	2,246.70	2,154.73	11.92	12.18	176.81	47.78	388.62	116.30	99.84	16.47	7.063	
2,300.00	2,203.25	2,349.11	2,244.98	12.75	13.12	178.80	58.58	435.80	109.48	92.26	17.22	6.357	
2,400.00	2,294.39	2,449.51	2,332.71	13.59	14.08	-178.55	70.10	483.24	101.32	83.27	18.05	5.614	
2,500.00	2,385.54	2,547.62	2,418.51	14.43	15.02	-175.34	81.62	529.38	93.65	74.62	19.03	4.922	
2,600.00	2,476.68	2,649.08	2,507.51	15.27	16.01	-171.47	93.52	576.63	86.86	66.81	20.04	4.333	
2,700.00	2,567.83	2,750.63	2,594.67	16.11	17.04	-165.91	106.43	627.11	76.97	55.55	21.42	3.594	
2,800.00	2,658.97	2,849.81	2,679.03	16.96	18.09	-157.90	119.99	677.45	67.00	43.28	23.72	2.825	
2,900.00	2,750.12	2,948.24	2,763.08	17.80	19.13	-147.84	133.34	726.91	59.25	32.09	27.17	2.181	
3,000.00	2,841.26	3,048.23	2,848.64	18.65	20.19	-135.82	146.22	777.04	53.59	21.95	31.65	1.693	
3,100.00	2,932.41	3,147.69	2,933.07	19.50	21.27	-121.03	158.37	828.17	49.34	12.37	36.97	1.334 Level 3	
3,185.66	3,010.49	3,232.76	3,005.63	20.23	22.19	-108.02	168.08	871.52	48.24	7.24	41.00	1.177 Level 2, CC	
3,200.00	3,023.55	3,247.03	3,017.83	20.35	22.34	-105.90	169.64	878.75	48.27	6.70	41.56	1.161 Level 2	
3,300.00	3,114.70	3,346.72	3,103.34	21.21	23.41	-92.08	179.94	928.93	49.72	5.15	44.57	1.116 Level 2, ES, SF	
3,400.00	3,205.84	3,445.86	3,188.70	22.06	24.46	-80.34	189.89	978.37	53.52	7.43	46.08	1.161 Level 2	
3,500.00	3,296.99	3,545.44	3,274.26	22.92	25.54	-70.13	199.86	1,028.33	59.30	12.73	46.57	1.273 Level 3	
3,600.00	3,388.13	3,643.80	3,357.55	23.77	26.64	-59.76	208.91	1,079.86	66.84	20.94	45.90	1.456 Level 3	
3,700.00	3,479.28	3,740.52	3,437.66	24.63	27.78	-50.27	218.90	1,133.11	78.81	34.42	44.40	1.775	
3,800.00	3,570.42	3,838.52	3,517.69	25.48	28.98	-42.34	229.05	1,188.74	93.79	50.87	42.93	2.185	
3,900.00	3,661.57	3,939.57	3,600.54	26.34	30.20	-36.29	238.62	1,245.81	109.16	67.10	42.07	2.595	
4,000.00	3,752.71	4,043.47	3,687.98	27.20	31.39	-32.42	247.35	1,301.23	121.78	79.76	42.02	2.898	
4,100.00	3,843.86	4,147.12	3,777.88	28.05	32.50	-30.20	254.90	1,352.25	130.25	87.76	42.49	3.065	
4,200.00	3,935.00	4,247.66	3,865.91	28.91	33.52	-28.62	261.91	1,400.28	137.36	94.31	43.05	3.191	
4,300.00	4,026.15	4,347.58	3,953.77	29.77	34.53	-27.57	269.44	1,447.29	144.19	100.41	43.78	3.294	
4,400.00	4,117.29	4,445.98	4,040.35	30.63	35.52	-26.98	277.75	1,493.31	151.36	106.71	44.65	3.390	
4,500.00	4,208.44	4,546.25	4,128.36	31.49	36.52	-26.53	286.83	1,540.50	159.18	113.55	45.63	3.489	
4,600.00	4,299.58	4,651.34	4,221.29	32.35	37.54	-26.14	295.54	1,588.76	165.52	118.80	46.73	3.542	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE K-O-36HC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG, 7544-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,700.00	4,390.73	4,760.76	4,320.83	33.21	38.51	-26.43	302.94	1,633.55	166.27	118.15	48.12	3.455	
4,800.00	4,481.88	4,860.71	4,412.80	34.07	39.33	-27.06	309.28	1,672.16	164.74	115.17	49.57	3.323	
4,900.00	4,573.02	4,964.10	4,508.30	34.93	40.15	-27.78	315.40	1,711.27	162.27	111.19	51.08	3.177	
5,000.00	4,664.17	5,061.80	4,598.86	35.79	40.94	-28.43	320.50	1,747.58	158.83	106.25	52.57	3.021	
5,100.00	4,755.31	5,158.68	4,687.76	36.65	41.73	-29.02	326.85	1,785.56	157.99	103.95	54.03	2.924	
5,200.00	4,846.46	5,259.17	4,780.05	37.51	42.55	-30.24	335.16	1,824.45	157.82	101.91	55.90	2.823	
5,300.00	4,937.60	5,366.47	4,880.28	38.37	43.34	-33.18	345.59	1,861.21	155.03	96.22	58.81	2.636	
5,400.00	5,028.75	5,472.55	4,981.40	39.23	44.00	-37.76	355.58	1,891.63	148.20	85.50	62.70	2.364	
5,500.00	5,119.89	5,576.39	5,081.75	40.09	44.56	-43.66	363.59	1,917.03	138.19	70.78	67.41	2.050	
5,600.00	5,211.04	5,677.92	5,181.10	40.96	45.02	-52.50	371.75	1,936.31	127.13	53.29	73.84	1.722	
5,700.00	5,302.18	5,778.51	5,280.27	41.82	45.41	-64.05	378.29	1,951.77	116.84	35.89	80.95	1.443 Level 3	
5,800.00	5,393.33	5,877.93	5,378.99	42.68	45.73	-79.06	382.24	1,962.72	109.12	21.94	87.18	1.252 Level 3	
5,858.44	5,446.59	5,934.02	5,434.91	43.18	45.87	-89.12	383.36	1,966.97	107.52	18.49	89.03	1.208 Level 2	
5,900.00	5,484.47	5,973.41	5,474.22	43.54	45.96	-96.51	383.80	1,969.38	108.42	19.38	89.03	1.218 Level 2	
6,000.00	5,575.62	6,066.52	5,567.24	44.40	46.15	-113.77	383.72	1,973.20	118.36	33.88	84.49	1.401 Level 3	
6,100.00	5,666.76	6,157.49	5,658.20	45.26	46.30	-128.49	382.14	1,974.32	139.03	62.66	76.37	1.820	
6,175.79	5,735.84	6,226.45	5,727.12	45.92	46.39	-137.37	380.24	1,974.30	160.12	89.61	70.51	2.271	
6,200.00	5,757.87	6,248.34	5,749.01	46.13	46.42	-134.07	379.55	1,974.22	167.30	98.54	68.77	2.433	
6,250.00	5,803.02	6,293.93	5,794.58	46.56	46.48	-128.32	378.03	1,974.12	181.54	116.54	65.00	2.793	
6,300.00	5,847.42	6,341.37	5,841.91	46.99	46.55	-124.81	375.17	1,974.08	195.15	134.13	61.02	3.198	
6,350.00	5,890.72	6,382.91	5,883.02	47.41	46.59	-122.95	369.29	1,973.78	209.01	152.53	56.48	3.700	
6,400.00	5,932.60	6,415.31	5,914.66	47.83	46.62	-121.34	362.38	1,972.78	225.72	173.52	52.20	4.324	
6,450.00	5,972.74	6,444.80	5,943.13	48.23	46.63	-120.13	354.84	1,971.32	246.39	196.97	49.42	4.986	
6,500.00	6,010.83	6,470.31	5,967.52	48.61	46.64	-118.66	347.50	1,969.98	270.94	222.46	48.48	5.588	
6,550.00	6,046.58	6,491.00	5,987.12	48.98	46.65	-116.41	340.99	1,968.79	299.44	250.34	49.11	6.098	
6,600.00	6,079.73	6,505.01	6,000.28	49.33	46.65	-112.76	336.25	1,967.93	331.50	280.96	50.54	6.559	
6,650.00	6,110.01	6,515.54	6,010.08	49.67	46.65	-108.20	332.48	1,967.27	366.54	313.95	52.59	6.969	
6,700.00	6,137.21	6,523.00	6,016.99	49.98	46.66	-102.75	329.70	1,966.80	403.93	348.99	54.94	7.353	
6,750.00	6,161.10	6,523.00	6,016.99	50.28	46.66	-95.53	329.70	1,966.80	443.03	386.11	56.92	7.783	
6,800.00	6,181.52	6,523.00	6,016.99	50.55	46.66	-88.38	329.70	1,966.80	483.25	424.10	59.16	8.169	
6,850.00	6,198.29	6,523.00	6,016.99	50.81	46.66	-81.54	329.70	1,966.80	524.07	462.54	61.53	8.518	
6,900.00	6,211.31	6,523.00	6,016.99	51.05	46.66	-75.22	329.70	1,966.80	565.06	501.11	63.95	8.836	
6,950.00	6,220.46	6,523.00	6,016.99	51.27	46.66	-69.58	329.70	1,966.80	605.93	539.56	66.37	9.129	
7,000.00	6,225.68	6,508.71	6,003.73	51.47	46.65	-62.82	334.95	1,967.70	646.10	578.23	67.87	9.520	
7,040.67	6,227.00	6,502.19	5,997.64	51.63	46.65	-58.85	337.23	1,968.11	678.25	608.80	69.45	9.767	
7,100.00	6,227.00	6,491.00	5,987.12	51.85	46.65	-57.59	340.99	1,968.79	725.49	654.00	71.49	10.148	
7,200.00	6,227.00	6,476.23	5,973.14	52.25	46.65	-55.98	345.69	1,969.66	808.21	733.72	74.49	10.851	
7,300.00	6,227.00	6,459.00	5,956.74	52.70	46.64	-54.16	350.84	1,970.59	893.93	817.21	76.71	11.653	
7,400.00	6,227.00	6,447.62	5,945.84	53.18	46.63	-52.99	354.06	1,971.17	981.91	903.25	78.66	12.483	
7,500.00	6,227.00	6,428.00	5,926.95	53.71	46.63	-51.03	359.26	1,972.19	1,071.72	991.74	79.98	13.400	
7,600.00	6,227.00	6,428.00	5,926.95	54.28	46.63	-51.03	359.26	1,972.19	1,162.85	1,081.30	81.55	14.260	
7,700.00	6,227.00	6,415.93	5,915.26	54.89	46.62	-49.88	362.23	1,972.76	1,255.16	1,172.61	82.55	15.204	
7,800.00	6,227.00	6,408.12	5,907.67	55.55	46.61	-49.15	364.05	1,973.07	1,348.43	1,264.96	83.47	16.154	
7,900.00	6,227.00	6,396.00	5,895.85	56.25	46.60	-48.05	366.70	1,973.47	1,442.52	1,358.35	84.17	17.139	
8,000.00	6,227.00	6,396.00	5,895.85	56.99	46.60	-48.05	366.70	1,973.47	1,537.21	1,452.25	84.95	18.094	
8,100.00	6,227.00	6,396.00	5,895.85	57.78	46.60	-48.05	366.70	1,973.47	1,632.53	1,546.90	85.62	19.066	
8,200.00	6,227.00	6,396.00	5,895.85	58.62	46.60	-48.05	366.70	1,973.47	1,728.38	1,642.18	86.20	20.051	
8,300.00	6,227.00	6,382.17	5,882.30	59.49	46.59	-46.84	369.43	1,973.79	1,824.41	1,737.88	86.52	21.085	
8,400.00	6,227.00	6,378.63	5,878.82	60.41	46.59	-46.54	370.06	1,973.85	1,920.94	1,834.01	86.93	22.097	
8,500.00	6,227.00	6,364.00	5,864.38	61.37	46.57	-45.33	372.42	1,974.00	2,017.95	1,930.78	87.17	23.150	
8,600.00	6,227.00	6,364.00	5,864.38	62.37	46.57	-45.33	372.42	1,974.00	2,114.97	2,027.44	87.53	24.162	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE K-O-36HC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG, 7544-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	6,364.00	5,864.38	63.41	46.57	-45.33	372.42	1,974.00	2,212.26	2,124.40	87.86	25.180	
8,800.00	6,227.00	6,364.00	5,864.38	64.49	46.57	-45.33	372.42	1,974.00	2,309.78	2,221.63	88.15	26.204	
8,900.00	6,227.00	6,364.00	5,864.38	65.60	46.57	-45.33	372.42	1,974.00	2,407.51	2,319.10	88.41	27.231	
9,000.00	6,227.00	6,364.00	5,864.38	66.74	46.57	-45.33	372.42	1,974.00	2,505.41	2,416.76	88.65	28.263	
9,100.00	6,227.00	6,364.00	5,864.38	67.92	46.57	-45.33	372.42	1,974.00	2,603.47	2,514.61	88.86	29.298	
9,200.00	6,227.00	6,364.00	5,864.38	69.13	46.57	-45.33	372.42	1,974.00	2,701.68	2,612.62	89.06	30.335	
9,300.00	6,227.00	6,364.00	5,864.38	70.37	46.57	-45.33	372.42	1,974.00	2,800.01	2,710.77	89.24	31.375	
9,400.00	6,227.00	6,364.00	5,864.38	71.63	46.57	-45.33	372.42	1,974.00	2,898.46	2,809.05	89.41	32.417	
9,500.00	6,227.00	6,364.00	5,864.38	72.92	46.57	-45.33	372.42	1,974.00	2,997.01	2,907.44	89.57	33.461	
9,600.00	6,227.00	6,364.00	5,864.38	74.23	46.57	-45.33	372.42	1,974.00	3,095.65	3,005.94	89.71	34.507	
9,700.00	6,227.00	6,349.75	5,850.25	75.57	46.56	-44.20	374.28	1,974.06	3,194.12	3,104.36	89.76	35.584	
9,800.00	6,227.00	6,348.35	5,848.86	76.93	46.55	-44.09	374.44	1,974.06	3,292.88	3,202.99	89.89	36.634	
9,900.00	6,227.00	6,347.02	5,847.54	78.31	46.55	-43.99	374.58	1,974.07	3,391.70	3,301.70	90.00	37.685	
10,000.00	6,227.00	6,333.00	5,833.58	79.71	46.54	-42.92	375.90	1,974.09	3,490.78	3,400.74	90.04	38.768	
10,100.00	6,227.00	6,333.00	5,833.58	81.12	46.54	-42.92	375.90	1,974.09	3,589.69	3,499.53	90.16	39.817	
10,200.00	6,227.00	6,333.00	5,833.58	82.55	46.54	-42.92	375.90	1,974.09	3,688.65	3,598.39	90.26	40.866	
10,300.00	6,227.00	6,333.00	5,833.58	84.00	46.54	-42.92	375.90	1,974.09	3,787.67	3,697.31	90.36	41.916	
10,400.00	6,227.00	6,333.00	5,833.58	85.46	46.54	-42.92	375.90	1,974.09	3,886.74	3,796.28	90.46	42.967	
10,500.00	6,227.00	6,333.00	5,833.58	86.94	46.54	-42.92	375.90	1,974.09	3,985.86	3,895.31	90.55	44.018	
10,600.00	6,227.00	6,333.00	5,833.58	88.43	46.54	-42.92	375.90	1,974.09	4,085.02	3,994.38	90.64	45.069	
10,700.00	6,227.00	6,333.00	5,833.58	89.93	46.54	-42.92	375.90	1,974.09	4,184.22	4,093.49	90.72	46.121	
10,800.00	6,227.00	6,333.00	5,833.58	91.44	46.54	-42.92	375.90	1,974.09	4,283.45	4,192.65	90.80	47.172	
10,900.00	6,227.00	6,333.00	5,833.58	92.96	46.54	-42.92	375.90	1,974.09	4,382.72	4,291.84	90.88	48.224	
11,000.00	6,227.00	6,333.00	5,833.58	94.50	46.54	-42.92	375.90	1,974.09	4,482.03	4,391.07	90.96	49.275	
11,100.00	6,227.00	6,333.00	5,833.58	96.04	46.54	-42.92	375.90	1,974.09	4,581.36	4,490.33	91.03	50.327	
11,200.00	6,227.00	6,333.00	5,833.58	97.59	46.54	-42.92	375.90	1,974.09	4,680.72	4,589.62	91.10	51.378	
11,300.00	6,227.00	6,333.00	5,833.58	99.15	46.54	-42.92	375.90	1,974.09	4,780.11	4,688.94	91.17	52.429	
11,400.00	6,227.00	6,333.00	5,833.58	100.72	46.54	-42.92	375.90	1,974.09	4,879.52	4,788.28	91.24	53.480	
11,500.00	6,227.00	6,333.00	5,833.58	102.30	46.54	-42.92	375.90	1,974.09	4,978.96	4,887.66	91.31	54.530	
11,600.00	6,227.00	6,333.00	5,833.58	103.88	46.54	-42.92	375.90	1,974.09	5,078.42	4,987.05	91.37	55.580	
11,700.00	6,227.00	6,333.00	5,833.58	105.47	46.54	-42.92	375.90	1,974.09	5,177.90	5,086.47	91.43	56.630	
11,743.45	6,227.00	6,333.00	5,833.58	106.17	46.54	-42.92	375.90	1,974.09	5,221.13	5,129.67	91.46	57.086	
11,808.25	6,227.00	6,333.00	5,833.58	107.20	46.54	-51.09	375.90	1,974.09	5,285.56	5,194.05	91.50	57.764	
11,900.00	6,227.00	6,333.00	5,833.58	108.66	46.54	-51.09	375.90	1,974.09	5,376.70	5,285.14	91.57	58.719	
12,000.00	6,227.00	6,333.00	5,833.58	110.26	46.54	-51.09	375.90	1,974.09	5,476.07	5,384.44	91.63	59.760	
12,100.00	6,227.00	6,333.00	5,833.58	111.86	46.54	-51.09	375.90	1,974.09	5,575.46	5,483.76	91.70	60.800	
12,200.00	6,227.00	6,333.00	5,833.58	113.47	46.54	-51.09	375.90	1,974.09	5,674.88	5,583.11	91.77	61.840	
12,300.00	6,227.00	6,333.00	5,833.58	115.08	46.54	-51.09	375.90	1,974.09	5,774.31	5,682.48	91.83	62.880	
12,400.00	6,227.00	6,333.00	5,833.58	116.70	46.54	-51.09	375.90	1,974.09	5,873.76	5,781.87	91.89	63.919	
12,500.00	6,227.00	6,333.00	5,833.58	118.33	46.54	-51.09	375.90	1,974.09	5,973.23	5,881.28	91.96	64.957	
12,600.00	6,227.00	6,333.00	5,833.58	119.96	46.54	-51.09	375.90	1,974.09	6,072.72	5,980.70	92.02	65.995	
12,700.00	6,227.00	6,333.00	5,833.58	121.60	46.54	-51.09	375.90	1,974.09	6,172.22	6,080.15	92.08	67.032	
12,800.00	6,227.00	6,333.00	5,833.58	123.24	46.54	-51.09	375.90	1,974.09	6,271.74	6,179.61	92.14	68.069	
12,900.00	6,227.00	6,333.00	5,833.58	124.88	46.54	-51.09	375.90	1,974.09	6,371.28	6,279.08	92.20	69.105	
13,000.00	6,227.00	6,333.00	5,833.58	126.53	46.54	-51.09	375.90	1,974.09	6,470.83	6,378.57	92.26	70.140	
13,100.00	6,227.00	6,318.62	5,819.23	128.18	46.52	-50.05	376.90	1,974.10	6,570.25	6,477.97	92.28	71.202	
13,200.00	6,227.00	6,317.97	5,818.59	129.84	46.52	-50.01	376.94	1,974.10	6,669.81	6,577.48	92.33	72.237	
13,300.00	6,227.00	6,317.34	5,817.96	131.50	46.51	-49.96	376.97	1,974.10	6,769.38	6,677.00	92.39	73.271	
13,400.00	6,227.00	6,316.73	5,817.35	133.16	46.51	-49.92	377.01	1,974.10	6,868.97	6,776.53	92.44	74.305	
13,500.00	6,227.00	6,316.13	5,816.75	134.83	46.51	-49.88	377.04	1,974.10	6,968.57	6,876.07	92.50	75.337	
13,600.00	6,227.00	6,315.55	5,816.17	136.50	46.51	-49.84	377.08	1,974.10	7,068.18	6,975.63	92.55	76.368	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE K-O-36HC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG, 7544-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,700.00	6,227.00	6,301.00	5,801.64	138.17	46.49	-48.83	377.77	1,974.11	7,167.94	7,075.36	92.57	77.430	
13,800.00	6,227.00	6,301.00	5,801.64	139.85	46.49	-48.83	377.77	1,974.11	7,267.55	7,174.92	92.63	78.458	
13,900.00	6,227.00	6,301.00	5,801.64	141.53	46.49	-48.83	377.77	1,974.11	7,367.18	7,274.50	92.69	79.486	
14,000.00	6,227.00	6,301.00	5,801.64	143.21	46.49	-48.83	377.77	1,974.11	7,466.82	7,374.08	92.74	80.512	
14,100.00	6,227.00	6,301.00	5,801.64	144.89	46.49	-48.83	377.77	1,974.11	7,566.47	7,473.67	92.80	81.538	
14,200.00	6,227.00	6,301.00	5,801.64	146.58	46.49	-48.83	377.77	1,974.11	7,666.13	7,573.28	92.85	82.563	
14,300.00	6,227.00	6,301.00	5,801.64	148.26	46.49	-48.83	377.77	1,974.11	7,765.80	7,672.89	92.91	83.586	
14,400.00	6,227.00	6,301.00	5,801.64	149.96	46.49	-48.83	377.77	1,974.11	7,865.47	7,772.51	92.96	84.609	
14,500.00	6,227.00	6,301.00	5,801.64	151.65	46.49	-48.83	377.77	1,974.11	7,965.16	7,872.14	93.02	85.631	
14,600.00	6,227.00	6,301.00	5,801.64	153.34	46.49	-48.83	377.77	1,974.11	8,064.85	7,971.77	93.07	86.651	
14,700.00	6,227.00	6,301.00	5,801.64	155.04	46.49	-48.83	377.77	1,974.11	8,164.54	8,071.42	93.13	87.671	
14,800.00	6,227.00	6,301.00	5,801.64	156.74	46.49	-48.83	377.77	1,974.11	8,264.25	8,171.07	93.18	88.689	
14,900.00	6,227.00	6,301.00	5,801.64	158.44	46.49	-48.83	377.77	1,974.11	8,363.96	8,270.73	93.24	89.707	
15,000.00	6,227.00	6,301.00	5,801.64	160.14	46.49	-48.83	377.77	1,974.11	8,463.68	8,370.39	93.29	90.723	
15,100.00	6,227.00	6,301.00	5,801.64	161.85	46.49	-48.83	377.77	1,974.11	8,563.41	8,470.06	93.35	91.738	
15,200.00	6,227.00	6,301.00	5,801.64	163.56	46.49	-48.83	377.77	1,974.11	8,663.14	8,569.74	93.40	92.752	
15,300.00	6,227.00	6,301.00	5,801.64	165.26	46.49	-48.83	377.77	1,974.11	8,762.88	8,669.43	93.46	93.765	
15,400.00	6,227.00	6,301.00	5,801.64	166.97	46.49	-48.83	377.77	1,974.11	8,862.63	8,769.12	93.51	94.777	
15,500.00	6,227.00	6,301.00	5,801.64	168.68	46.49	-48.83	377.77	1,974.11	8,962.38	8,868.81	93.57	95.787	
15,600.00	6,227.00	6,301.00	5,801.64	170.40	46.49	-48.83	377.77	1,974.11	9,062.13	8,968.51	93.62	96.797	
15,700.00	6,227.00	6,301.00	5,801.64	172.11	46.49	-48.83	377.77	1,974.11	9,161.89	9,068.22	93.68	97.805	
15,800.00	6,227.00	6,301.00	5,801.64	173.83	46.49	-48.83	377.77	1,974.11	9,261.66	9,167.93	93.73	98.811	
15,900.00	6,227.00	6,301.00	5,801.64	175.54	46.49	-48.83	377.77	1,974.11	9,361.43	9,267.65	93.79	99.817	
16,000.00	6,227.00	6,301.00	5,801.64	177.26	46.49	-48.83	377.77	1,974.11	9,461.21	9,367.37	93.84	100.821	
16,100.00	6,227.00	6,301.00	5,801.64	178.98	46.49	-48.83	377.77	1,974.11	9,560.99	9,467.09	93.90	101.825	
16,200.00	6,227.00	6,301.00	5,801.64	180.70	46.49	-48.83	377.77	1,974.11	9,660.77	9,566.82	93.95	102.826	
16,300.00	6,227.00	6,301.00	5,801.64	182.42	46.49	-48.83	377.77	1,974.11	9,760.56	9,666.56	94.01	103.827	
16,400.00	6,227.00	6,301.00	5,801.64	184.15	46.49	-48.83	377.77	1,974.11	9,860.36	9,766.29	94.06	104.826	
16,500.00	6,227.00	6,301.00	5,801.64	185.87	46.49	-48.83	377.77	1,974.11	9,960.16	9,866.04	94.12	105.824	
16,600.00	6,227.00	6,301.00	5,801.64	187.60	46.49	-48.83	377.77	1,974.11	10,059.96	9,965.78	94.18	106.820	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE T34-P31-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 602-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	4.28	4.28	0.00	0.01	141.85	-4,335.04	3,404.64	5,512.18				
100.00	100.00	111.26	111.26	0.27	0.19	141.85	-4,334.95	3,404.64	5,512.11	5,511.65	0.46	N/A	
200.00	200.00	218.24	218.24	0.63	0.38	141.85	-4,334.69	3,404.62	5,511.92	5,510.91	1.01	5,470.965	
300.00	300.00	325.22	325.22	0.99	0.57	141.85	-4,334.27	3,404.60	5,511.59	5,510.04	1.55	3,550.623	
400.00	400.00	432.20	432.20	1.34	0.75	141.85	-4,333.69	3,404.57	5,511.15	5,509.05	2.10	2,628.005	
500.00	499.98	539.16	539.15	1.70	0.94	59.84	-4,332.93	3,404.53	5,509.69	5,507.06	2.64	2,090.596	
600.00	599.84	640.03	640.02	2.05	1.19	59.94	-4,332.10	3,404.49	5,506.39	5,503.15	3.23	1,703.225	
700.00	699.45	743.50	743.49	2.41	1.56	60.10	-4,331.34	3,404.39	5,501.38	5,497.42	3.96	1,387.840	
800.00	798.70	832.21	832.20	2.79	1.87	60.32	-4,330.75	3,404.07	5,494.56	5,489.90	4.65	1,180.821	
900.00	897.47	907.10	907.09	3.19	2.14	60.56	-4,330.65	3,403.86	5,486.48	5,481.17	5.31	1,033.979	
1,000.00	995.62	993.98	993.94	3.62	2.43	60.90	-4,331.78	3,402.41	5,477.03	5,471.01	6.02	910.398	
1,100.00	1,093.06	1,092.23	1,092.11	4.09	2.77	61.34	-4,334.36	3,399.27	5,466.09	5,459.30	6.79	804.891	
1,200.00	1,189.64	1,264.92	1,264.02	4.59	3.39	62.15	-4,343.20	3,386.06	5,452.99	5,445.11	7.88	692.035	
1,300.00	1,285.27	1,338.00	1,336.29	5.14	3.66	62.74	-4,348.99	3,376.90	5,437.83	5,429.16	8.67	627.448	
1,400.00	1,379.82	1,374.72	1,372.48	5.74	3.81	63.20	-4,352.56	3,371.81	5,422.00	5,412.63	9.37	578.839	
1,500.00	1,473.17	1,428.00	1,424.93	6.40	4.02	63.77	-4,358.52	3,364.57	5,405.98	5,395.80	10.18	530.803	
1,600.00	1,565.21	1,460.11	1,456.52	7.12	4.15	64.25	-4,362.36	3,360.30	5,389.46	5,378.49	10.97	491.070	
1,614.66	1,578.59	1,472.71	1,468.93	7.23	4.20	64.36	-4,363.85	3,358.64	5,386.99	5,375.86	11.13	484.060	
1,700.00	1,656.38	1,623.55	1,617.53	7.88	4.83	65.22	-4,380.61	3,338.99	5,372.53	5,360.16	12.36	434.574	
1,800.00	1,747.52	10,908.61	6,369.27	8.67	81.04	47.31	-78.13	2,943.93	5,309.30	5,252.36	56.93	93.259	
1,900.00	1,838.67	10,915.00	6,369.41	9.47	81.15	46.89	-71.75	2,944.00	5,210.08	5,152.90	57.18	91.118	
2,000.00	1,929.81	10,915.00	6,369.41	10.28	81.15	46.89	-71.75	2,944.00	5,110.89	5,053.52	57.36	89.096	
2,100.00	2,020.96	10,915.00	6,369.41	11.10	81.15	46.89	-71.75	2,944.00	5,011.73	4,954.17	57.56	87.076	
2,200.00	2,112.10	10,915.00	6,369.41	11.92	81.15	46.89	-71.75	2,944.00	4,912.61	4,854.85	57.76	85.056	
2,300.00	2,203.25	10,915.00	6,369.41	12.75	81.15	46.89	-71.75	2,944.00	4,813.52	4,755.55	57.97	83.038	
2,400.00	2,294.39	10,915.00	6,369.41	13.59	81.15	46.89	-71.75	2,944.00	4,714.47	4,656.28	58.19	81.023	
2,500.00	2,385.54	10,915.00	6,369.41	14.43	81.15	46.89	-71.75	2,944.00	4,615.46	4,557.05	58.42	79.010	
2,600.00	2,476.68	10,915.00	6,369.41	15.27	81.15	46.89	-71.75	2,944.00	4,516.50	4,457.84	58.66	77.000	
2,700.00	2,567.83	10,915.00	6,369.41	16.11	81.15	46.89	-71.75	2,944.00	4,417.58	4,358.67	58.91	74.994	
2,800.00	2,658.97	10,915.00	6,369.41	16.96	81.15	46.89	-71.75	2,944.00	4,318.71	4,259.54	59.17	72.992	
2,900.00	2,750.12	10,915.00	6,369.41	17.80	81.15	46.89	-71.75	2,944.00	4,219.90	4,160.46	59.44	70.995	
3,000.00	2,841.26	10,915.00	6,369.41	18.65	81.15	46.89	-71.75	2,944.00	4,121.14	4,061.42	59.72	69.004	
3,100.00	2,932.41	10,915.00	6,369.41	19.50	81.15	46.89	-71.75	2,944.00	4,022.44	3,962.42	60.02	67.017	
3,200.00	3,023.55	10,915.00	6,369.41	20.35	81.15	46.89	-71.75	2,944.00	3,923.81	3,863.48	60.33	65.037	
3,300.00	3,114.70	10,915.00	6,369.41	21.21	81.15	46.89	-71.75	2,944.00	3,825.25	3,764.60	60.66	63.063	
3,400.00	3,205.84	10,915.00	6,369.41	22.06	81.15	46.89	-71.75	2,944.00	3,726.77	3,665.77	61.00	61.096	
3,500.00	3,296.99	10,915.00	6,369.41	22.92	81.15	46.89	-71.75	2,944.00	3,628.37	3,567.02	61.36	59.136	
3,600.00	3,388.13	10,915.00	6,369.41	23.77	81.15	46.89	-71.75	2,944.00	3,530.06	3,468.33	61.73	57.185	
3,700.00	3,479.28	10,915.00	6,369.41	24.63	81.15	46.89	-71.75	2,944.00	3,431.85	3,369.73	62.13	55.241	
3,800.00	3,570.42	10,915.00	6,369.41	25.48	81.15	46.89	-71.75	2,944.00	3,333.75	3,271.21	62.54	53.306	
3,900.00	3,661.57	10,915.00	6,369.41	26.34	81.15	46.89	-71.75	2,944.00	3,235.76	3,172.78	62.98	51.380	
4,000.00	3,752.71	10,915.00	6,369.41	27.20	81.15	46.89	-71.75	2,944.00	3,137.90	3,074.46	63.44	49.465	
4,100.00	3,843.86	10,915.00	6,369.41	28.05	81.15	46.89	-71.75	2,944.00	3,040.17	2,976.25	63.92	47.559	
4,200.00	3,935.00	10,915.00	6,369.41	28.91	81.15	46.89	-71.75	2,944.00	2,942.60	2,878.16	64.44	45.665	
4,300.00	4,026.15	10,915.00	6,369.41	29.77	81.15	46.89	-71.75	2,944.00	2,845.20	2,780.22	64.99	43.782	
4,400.00	4,117.29	10,915.00	6,369.41	30.63	81.15	46.89	-71.75	2,944.00	2,747.99	2,682.42	65.57	41.911	
4,500.00	4,208.44	10,915.00	6,369.41	31.49	81.15	46.89	-71.75	2,944.00	2,650.98	2,584.80	66.19	40.054	
4,600.00	4,299.58	10,915.00	6,369.41	32.35	81.15	46.89	-71.75	2,944.00	2,554.20	2,487.36	66.85	38.210	
4,700.00	4,390.73	10,915.00	6,369.41	33.21	81.15	46.89	-71.75	2,944.00	2,457.69	2,390.13	67.55	36.382	
4,800.00	4,481.88	10,915.00	6,369.41	34.07	81.15	46.89	-71.75	2,944.00	2,361.46	2,293.15	68.31	34.570	
4,900.00	4,573.02	10,915.00	6,369.41	34.93	81.15	46.89	-71.75	2,944.00	2,265.56	2,196.43	69.12	32.776	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE T34-P31-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 602-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
5,000.00	4,664.17	10,915.00	6,369.41	35.79	81.15	46.89	-71.75	2,944.00	2,170.02	2,100.02	70.00	31.000	
5,100.00	4,755.31	10,915.00	6,369.41	36.65	81.15	46.89	-71.75	2,944.00	2,074.91	2,003.96	70.95	29.245	
5,200.00	4,846.46	10,915.00	6,369.41	37.51	81.15	46.89	-71.75	2,944.00	1,980.28	1,908.31	71.98	27.512	
5,300.00	4,937.60	10,915.00	6,369.41	38.37	81.15	46.89	-71.75	2,944.00	1,886.21	1,813.11	73.10	25.804	
5,400.00	5,028.75	10,915.00	6,369.41	39.23	81.15	46.89	-71.75	2,944.00	1,792.78	1,718.46	74.32	24.124	
5,500.00	5,119.89	10,915.00	6,369.41	40.09	81.15	46.89	-71.75	2,944.00	1,700.09	1,624.44	75.65	22.473	
5,600.00	5,211.04	10,915.00	6,369.41	40.96	81.15	46.89	-71.75	2,944.00	1,608.28	1,531.17	77.11	20.856	
5,700.00	5,302.18	10,915.00	6,369.41	41.82	81.15	46.89	-71.75	2,944.00	1,517.51	1,438.79	78.72	19.278	
5,800.00	5,393.33	10,915.00	6,369.41	42.68	81.15	46.89	-71.75	2,944.00	1,427.97	1,347.48	80.49	17.742	
5,900.00	5,484.47	10,915.00	6,369.41	43.54	81.15	46.89	-71.75	2,944.00	1,339.91	1,257.47	82.43	16.255	
6,000.00	5,575.62	10,915.00	6,369.41	44.40	81.15	46.89	-71.75	2,944.00	1,253.64	1,169.06	84.57	14.823	
6,100.00	5,666.76	10,915.00	6,369.41	45.26	81.15	46.89	-71.75	2,944.00	1,169.56	1,082.64	86.92	13.455	
6,175.79	5,735.84	10,915.00	6,369.41	45.92	81.15	46.89	-71.75	2,944.00	1,107.60	1,018.75	88.85	12.466	
6,200.00	5,757.87	10,915.00	6,369.41	46.13	81.15	54.52	-71.75	2,944.00	1,088.38	998.89	89.49	12.162	
6,250.00	5,803.02	10,915.00	6,369.41	46.56	81.15	68.65	-71.75	2,944.00	1,050.76	959.87	90.88	11.562	
6,300.00	5,847.42	10,915.00	6,369.41	46.99	81.15	80.43	-71.75	2,944.00	1,016.44	924.10	92.33	11.008	
6,350.00	5,890.72	10,915.00	6,369.41	47.41	81.15	89.98	-71.75	2,944.00	986.04	892.25	93.79	10.513	
6,400.00	5,932.60	10,915.00	6,369.41	47.83	81.15	97.57	-71.75	2,944.00	960.18	864.97	95.21	10.085	
6,450.00	5,972.74	10,915.00	6,369.41	48.23	81.15	103.54	-71.75	2,944.00	939.43	842.91	96.52	9.733	
6,500.00	6,010.83	10,915.00	6,369.41	48.61	81.15	108.16	-71.75	2,944.00	924.30	826.64	97.65	9.465	
6,550.00	6,046.58	10,915.00	6,369.41	48.98	81.15	111.68	-71.75	2,944.00	915.18	816.63	98.56	9.286	
6,597.41	6,078.08	10,915.00	6,369.41	49.32	81.15	114.14	-71.75	2,944.00	912.33	813.17	99.15	9.201 CC	
6,600.00	6,079.73	10,915.00	6,369.41	49.33	81.15	114.25	-71.75	2,944.00	912.34	813.16	99.18	9.199 ES, SF	
6,650.00	6,110.01	10,915.00	6,369.41	49.67	81.15	116.01	-71.75	2,944.00	915.84	816.34	99.50	9.205	
6,700.00	6,137.21	10,915.00	6,369.41	49.98	81.15	117.03	-71.75	2,944.00	925.59	826.07	99.52	9.301	
6,750.00	6,161.10	10,915.00	6,369.41	50.28	81.15	117.34	-71.75	2,944.00	941.32	842.05	99.27	9.483	
6,800.00	6,181.52	10,915.00	6,369.41	50.55	81.15	116.94	-71.75	2,944.00	962.62	863.83	98.79	9.744	
6,850.00	6,198.29	10,915.00	6,369.41	50.81	81.15	115.80	-71.75	2,944.00	988.98	890.84	98.14	10.077	
6,900.00	6,211.31	10,915.00	6,369.41	51.05	81.15	113.84	-71.75	2,944.00	1,019.81	922.43	97.38	10.473	
6,950.00	6,220.46	10,915.00	6,369.41	51.27	81.15	110.93	-71.75	2,944.00	1,054.50	957.94	96.56	10.921	
7,000.00	6,225.68	10,915.00	6,369.41	51.47	81.15	106.89	-71.75	2,944.00	1,092.43	996.70	95.72	11.412	
7,040.67	6,227.00	10,915.00	6,369.41	51.63	81.15	102.60	-71.75	2,944.00	1,125.25	1,030.19	95.06	11.837	
7,100.00	6,227.00	10,915.00	6,369.41	51.85	81.15	102.60	-71.75	2,944.00	1,174.74	1,080.61	94.13	12.480	
7,200.00	6,227.00	10,915.00	6,369.41	52.25	81.15	102.60	-71.75	2,944.00	1,260.07	1,167.39	92.67	13.597	
7,300.00	6,227.00	10,915.00	6,369.41	52.70	81.15	102.60	-71.75	2,944.00	1,347.41	1,256.05	91.37	14.747	
7,400.00	6,227.00	10,915.00	6,369.41	53.18	81.15	102.60	-71.75	2,944.00	1,436.41	1,346.21	90.20	15.924	
7,500.00	6,227.00	10,915.00	6,369.41	53.71	81.15	102.60	-71.75	2,944.00	1,526.78	1,437.61	89.17	17.123	
7,600.00	6,227.00	10,915.00	6,369.41	54.28	81.15	102.60	-71.75	2,944.00	1,618.27	1,530.02	88.25	18.337	
7,700.00	6,227.00	10,915.00	6,369.41	54.89	81.15	102.60	-71.75	2,944.00	1,710.72	1,623.28	87.44	19.564	
7,800.00	6,227.00	10,915.00	6,369.41	55.55	81.15	102.60	-71.75	2,944.00	1,803.98	1,717.25	86.73	20.801	
7,900.00	6,227.00	10,915.00	6,369.41	56.25	81.15	102.60	-71.75	2,944.00	1,897.92	1,811.82	86.09	22.045	
8,000.00	6,227.00	10,915.00	6,369.41	56.99	81.15	102.60	-71.75	2,944.00	1,992.45	1,906.91	85.54	23.294	
8,100.00	6,227.00	10,915.00	6,369.41	57.78	81.15	102.60	-71.75	2,944.00	2,087.49	2,002.45	85.04	24.547	
8,200.00	6,227.00	10,915.00	6,369.41	58.62	81.15	102.60	-71.75	2,944.00	2,182.97	2,098.37	84.60	25.802	
8,300.00	6,227.00	10,915.00	6,369.41	59.49	81.15	102.60	-71.75	2,944.00	2,278.85	2,194.63	84.22	27.059	
8,400.00	6,227.00	10,915.00	6,369.41	60.41	81.15	102.60	-71.75	2,944.00	2,375.06	2,291.18	83.87	28.317	
8,500.00	6,227.00	10,915.00	6,369.41	61.37	81.15	102.60	-71.75	2,944.00	2,471.57	2,388.00	83.57	29.575	
8,600.00	6,227.00	10,915.00	6,369.41	62.37	81.15	102.60	-71.75	2,944.00	2,568.35	2,485.05	83.30	30.833	
8,700.00	6,227.00	10,915.00	6,369.41	63.41	81.15	102.60	-71.75	2,944.00	2,665.37	2,582.31	83.06	32.090	
8,800.00	6,227.00	10,915.00	6,369.41	64.49	81.15	102.60	-71.75	2,944.00	2,762.60	2,679.75	82.84	33.347	
8,900.00	6,227.00	10,915.00	6,369.41	65.60	81.15	102.60	-71.75	2,944.00	2,860.02	2,777.37	82.65	34.602	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE T34-P31-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 602-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	10,915.00	6,369.41	66.74	81.15	102.60	-71.75	2,944.00	2,957.61	2,875.13	82.48	35.857	
9,100.00	6,227.00	10,915.00	6,369.41	67.92	81.15	102.60	-71.75	2,944.00	3,055.36	2,973.03	82.33	37.110	
9,200.00	6,227.00	10,915.00	6,369.41	69.13	81.15	102.60	-71.75	2,944.00	3,153.25	3,071.05	82.20	38.361	
9,300.00	6,227.00	10,915.00	6,369.41	70.37	81.15	102.60	-71.75	2,944.00	3,251.27	3,169.19	82.08	39.612	
9,400.00	6,227.00	10,915.00	6,369.41	71.63	81.15	102.60	-71.75	2,944.00	3,349.41	3,267.43	81.97	40.860	
9,500.00	6,227.00	10,915.00	6,369.41	72.92	81.15	102.60	-71.75	2,944.00	3,447.65	3,365.77	81.88	42.108	
9,600.00	6,227.00	10,915.00	6,369.41	74.23	81.15	102.60	-71.75	2,944.00	3,545.99	3,464.20	81.79	43.353	
9,700.00	6,227.00	10,915.00	6,369.41	75.57	81.15	102.60	-71.75	2,944.00	3,644.42	3,562.70	81.72	44.597	
9,800.00	6,227.00	10,915.00	6,369.41	76.93	81.15	102.60	-71.75	2,944.00	3,742.94	3,661.28	81.65	45.840	
9,900.00	6,227.00	10,915.00	6,369.41	78.31	81.15	102.60	-71.75	2,944.00	3,841.53	3,759.93	81.59	47.081	
10,000.00	6,227.00	10,915.00	6,369.41	79.71	81.15	102.60	-71.75	2,944.00	3,940.19	3,858.65	81.54	48.321	
10,100.00	6,227.00	10,915.00	6,369.41	81.12	81.15	102.60	-71.75	2,944.00	4,038.92	3,957.42	81.50	49.559	
10,200.00	6,227.00	10,915.00	6,369.41	82.55	81.15	102.60	-71.75	2,944.00	4,137.71	4,056.25	81.46	50.796	
10,300.00	6,227.00	10,915.00	6,369.41	84.00	81.15	102.60	-71.75	2,944.00	4,236.55	4,155.13	81.42	52.031	
10,400.00	6,227.00	10,915.00	6,369.41	85.46	81.15	102.60	-71.75	2,944.00	4,335.45	4,254.06	81.40	53.264	
10,500.00	6,227.00	10,915.00	6,369.41	86.94	81.15	102.60	-71.75	2,944.00	4,434.40	4,353.03	81.37	54.496	
10,600.00	6,227.00	10,915.00	6,369.41	88.43	81.15	102.60	-71.75	2,944.00	4,533.39	4,452.04	81.35	55.727	
10,700.00	6,227.00	10,915.00	6,369.41	89.93	81.15	102.60	-71.75	2,944.00	4,632.43	4,551.10	81.33	56.957	
10,800.00	6,227.00	10,915.00	6,369.41	91.44	81.15	102.60	-71.75	2,944.00	4,731.51	4,650.19	81.32	58.185	
10,900.00	6,227.00	10,915.00	6,369.41	92.96	81.15	102.60	-71.75	2,944.00	4,830.63	4,749.32	81.31	59.411	
11,000.00	6,227.00	10,915.00	6,369.41	94.50	81.15	102.60	-71.75	2,944.00	4,929.78	4,848.48	81.30	60.636	
11,100.00	6,227.00	10,915.00	6,369.41	96.04	81.15	102.60	-71.75	2,944.00	5,028.96	4,947.67	81.30	61.860	
11,200.00	6,227.00	10,915.00	6,369.41	97.59	81.15	102.60	-71.75	2,944.00	5,128.18	5,046.89	81.29	63.082	
11,300.00	6,227.00	10,915.00	6,369.41	99.15	81.15	102.60	-71.75	2,944.00	5,227.43	5,146.13	81.29	64.303	
11,400.00	6,227.00	10,915.00	6,369.41	100.72	81.15	102.60	-71.75	2,944.00	5,326.70	5,245.41	81.29	65.523	
11,500.00	6,227.00	10,915.00	6,369.41	102.30	81.15	102.60	-71.75	2,944.00	5,426.00	5,344.70	81.30	66.741	
11,600.00	6,227.00	10,915.00	6,369.41	103.88	81.15	102.60	-71.75	2,944.00	5,525.33	5,444.03	81.30	67.958	
11,700.00	6,227.00	10,915.00	6,369.41	105.47	81.15	102.60	-71.75	2,944.00	5,624.68	5,543.37	81.31	69.174	
11,743.45	6,227.00	10,915.00	6,369.41	106.17	81.15	102.60	-71.75	2,944.00	5,667.86	5,586.54	81.32	69.702	
11,808.25	6,227.00	10,915.00	6,369.41	107.20	81.15	105.75	-71.75	2,944.00	5,732.33	5,651.00	81.32	70.489	
11,900.00	6,227.00	10,915.00	6,369.41	108.66	81.15	105.75	-71.75	2,944.00	5,823.72	5,742.39	81.33	71.604	
12,000.00	6,227.00	10,915.00	6,369.41	110.26	81.15	105.75	-71.75	2,944.00	5,923.34	5,842.00	81.35	72.817	
12,100.00	6,227.00	10,915.00	6,369.41	111.86	81.15	105.75	-71.75	2,944.00	6,022.98	5,941.62	81.36	74.030	
12,200.00	6,227.00	10,915.00	6,369.41	113.47	81.15	105.75	-71.75	2,944.00	6,122.62	6,041.25	81.37	75.241	
12,300.00	6,227.00	10,915.00	6,369.41	115.08	81.15	105.75	-71.75	2,944.00	6,222.28	6,140.89	81.39	76.451	
12,400.00	6,227.00	10,915.00	6,369.41	116.70	81.15	105.75	-71.75	2,944.00	6,321.95	6,240.55	81.41	77.660	
12,500.00	6,227.00	10,915.00	6,369.41	118.33	81.15	105.75	-71.75	2,944.00	6,421.63	6,340.21	81.42	78.867	
12,600.00	6,227.00	10,915.00	6,369.41	119.96	81.15	105.75	-71.75	2,944.00	6,521.32	6,439.88	81.44	80.074	
12,700.00	6,227.00	10,915.00	6,369.41	121.60	81.15	105.75	-71.75	2,944.00	6,621.02	6,539.56	81.46	81.279	
12,800.00	6,227.00	10,915.00	6,369.41	123.24	81.15	105.75	-71.75	2,944.00	6,720.73	6,639.25	81.48	82.483	
12,900.00	6,227.00	10,915.00	6,369.41	124.88	81.15	105.75	-71.75	2,944.00	6,820.44	6,738.94	81.50	83.685	
13,000.00	6,227.00	10,915.00	6,369.41	126.53	81.15	105.75	-71.75	2,944.00	6,920.17	6,838.64	81.52	84.887	
13,100.00	6,227.00	10,915.00	6,369.41	128.18	81.15	105.75	-71.75	2,944.00	7,019.90	6,938.35	81.54	86.087	
13,200.00	6,227.00	10,915.00	6,369.41	129.84	81.15	105.75	-71.75	2,944.00	7,119.64	7,038.07	81.57	87.286	
13,300.00	6,227.00	10,915.00	6,369.41	131.50	81.15	105.75	-71.75	2,944.00	7,219.38	7,137.79	81.59	88.483	
13,400.00	6,227.00	10,915.00	6,369.41	133.16	81.15	105.75	-71.75	2,944.00	7,319.14	7,237.52	81.61	89.679	
13,500.00	6,227.00	10,915.00	6,369.41	134.83	81.15	105.75	-71.75	2,944.00	7,418.90	7,337.26	81.64	90.874	
13,600.00	6,227.00	10,915.00	6,369.41	136.50	81.15	105.75	-71.75	2,944.00	7,518.67	7,437.00	81.66	92.068	
13,700.00	6,227.00	10,915.00	6,369.41	138.17	81.15	105.75	-71.75	2,944.00	7,618.44	7,536.75	81.69	93.260	
13,800.00	6,227.00	10,915.00	6,369.41	139.85	81.15	105.75	-71.75	2,944.00	7,718.22	7,636.50	81.72	94.451	
13,900.00	6,227.00	10,915.00	6,369.41	141.53	81.15	105.75	-71.75	2,944.00	7,818.00	7,736.26	81.74	95.641	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE T34-P31-36HNC - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 602-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	6,227.00	10,915.00	6,369.41	143.21	81.15	105.75	-71.75	2,944.00	7,917.79	7,836.02	81.77	96.829		
14,100.00	6,227.00	10,915.00	6,369.41	144.89	81.15	105.75	-71.75	2,944.00	8,017.59	7,935.79	81.80	98.016		
14,200.00	6,227.00	10,915.00	6,369.41	146.58	81.15	105.75	-71.75	2,944.00	8,117.39	8,035.56	81.83	99.202		
14,300.00	6,227.00	10,915.00	6,369.41	148.26	81.15	105.75	-71.75	2,944.00	8,217.19	8,135.34	81.86	100.386		
14,400.00	6,227.00	10,915.00	6,369.41	149.96	81.15	105.75	-71.75	2,944.00	8,317.00	8,235.12	81.89	101.569		
14,500.00	6,227.00	10,915.00	6,369.41	151.65	81.15	105.75	-71.75	2,944.00	8,416.81	8,334.90	81.92	102.750		
14,600.00	6,227.00	10,915.00	6,369.41	153.34	81.15	105.75	-71.75	2,944.00	8,516.63	8,434.69	81.95	103.930		
14,700.00	6,227.00	10,915.00	6,369.41	155.04	81.15	105.75	-71.75	2,944.00	8,616.46	8,534.48	81.98	105.108		
14,800.00	6,227.00	10,915.00	6,369.41	156.74	81.15	105.75	-71.75	2,944.00	8,716.28	8,634.27	82.01	106.286		
14,900.00	6,227.00	10,915.00	6,369.41	158.44	81.15	105.75	-71.75	2,944.00	8,816.11	8,734.07	82.04	107.461		
15,000.00	6,227.00	10,915.00	6,369.41	160.14	81.15	105.75	-71.75	2,944.00	8,915.95	8,833.88	82.07	108.635		
15,100.00	6,227.00	10,915.00	6,369.41	161.85	81.15	105.75	-71.75	2,944.00	9,015.79	8,933.68	82.10	109.808		
15,200.00	6,227.00	10,915.00	6,369.41	163.56	81.15	105.75	-71.75	2,944.00	9,115.63	9,033.49	82.14	110.979		
15,300.00	6,227.00	10,915.00	6,369.41	165.26	81.15	105.75	-71.75	2,944.00	9,215.47	9,133.30	82.17	112.149		
15,400.00	6,227.00	10,915.00	6,369.41	166.97	81.15	105.75	-71.75	2,944.00	9,315.32	9,233.12	82.21	113.318		
15,500.00	6,227.00	10,915.00	6,369.41	168.68	81.15	105.75	-71.75	2,944.00	9,415.17	9,332.93	82.24	114.484		
15,600.00	6,227.00	10,915.00	6,369.41	170.40	81.15	105.75	-71.75	2,944.00	9,515.03	9,432.75	82.27	115.650		
15,700.00	6,227.00	10,915.00	6,369.41	172.11	81.15	105.75	-71.75	2,944.00	9,614.89	9,532.58	82.31	116.813		
15,800.00	6,227.00	10,915.00	6,369.41	173.83	81.15	105.75	-71.75	2,944.00	9,714.75	9,632.40	82.35	117.976		
15,900.00	6,227.00	10,915.00	6,369.41	175.54	81.15	105.75	-71.75	2,944.00	9,814.61	9,732.23	82.38	119.136		
16,000.00	6,227.00	10,915.00	6,369.41	177.26	81.15	105.75	-71.75	2,944.00	9,914.48	9,832.06	82.42	120.295		
16,100.00	6,227.00	10,915.00	6,369.41	178.98	81.15	105.75	-71.75	2,944.00	10,014.35	9,931.89	82.45	121.453		

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE T44-P41-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 475-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	5.45	5.45	0.00	0.01	142.09	-4,375.11	3,407.43	5,545.46				
100.00	100.00	114.45	114.45	0.27	0.20	142.09	-4,375.16	3,407.20	5,545.37	5,544.91	0.47	N/A	
200.00	200.00	223.44	223.44	0.63	0.39	142.10	-4,375.33	3,406.54	5,545.12	5,544.11	1.02	5,461.392	
300.00	300.00	332.43	332.42	0.99	0.58	142.11	-4,375.60	3,405.46	5,544.71	5,543.15	1.56	3,547.413	
400.00	400.00	441.41	441.39	1.34	0.77	142.12	-4,375.97	3,403.96	5,544.13	5,542.02	2.11	2,626.677	
500.00	499.98	559.73	559.69	1.70	1.13	60.14	-4,376.46	3,401.64	5,542.38	5,539.55	2.83	1,960.786	
600.00	599.84	653.05	652.99	2.05	1.47	60.27	-4,376.86	3,399.71	5,538.84	5,535.33	3.51	1,575.894	
700.00	699.45	750.69	750.61	2.41	1.82	60.45	-4,377.39	3,397.70	5,533.69	5,529.46	4.23	1,308.985	
800.00	798.70	856.21	856.10	2.79	2.20	60.71	-4,378.02	3,395.36	5,526.78	5,521.80	4.98	1,109.502	
900.00	897.47	929.16	929.02	3.19	2.46	60.98	-4,378.63	3,393.62	5,518.32	5,512.68	5.63	979.424	
1,000.00	995.62	967.00	966.85	3.62	2.60	61.22	-4,379.18	3,392.70	5,508.89	5,502.71	6.18	891.108	
1,100.00	1,093.06	1,018.13	1,017.93	4.09	2.79	61.53	-4,380.82	3,391.10	5,498.76	5,491.95	6.81	807.758	
1,200.00	1,189.64	1,057.00	1,056.69	4.59	2.93	61.84	-4,383.09	3,389.40	5,488.21	5,480.79	7.42	739.587	
1,300.00	1,285.27	1,057.00	1,056.69	5.14	2.93	62.03	-4,383.09	3,389.40	5,477.46	5,469.53	7.93	690.770	
1,400.00	1,379.82	1,099.58	1,099.08	5.74	3.09	62.39	-4,386.63	3,387.44	5,466.19	5,457.55	8.64	632.571	
1,500.00	1,473.17	1,151.00	1,150.13	6.40	3.28	62.82	-4,392.36	3,385.40	5,455.24	5,445.80	9.44	578.174	
1,600.00	1,565.21	1,151.00	1,150.13	7.12	3.28	63.03	-4,392.36	3,385.40	5,443.51	5,433.42	10.09	539.586	
1,614.66	1,578.59	1,151.00	1,150.13	7.23	3.28	63.06	-4,392.36	3,385.40	5,441.81	5,431.62	10.19	534.093	
1,700.00	1,656.38	1,151.00	1,150.13	7.88	3.28	63.06	-4,392.36	3,385.40	5,432.59	5,421.81	10.78	503.802	
1,800.00	1,747.52	1,198.02	1,196.67	8.67	3.46	63.29	-4,398.86	3,383.67	5,422.86	5,411.18	11.68	464.216	
1,900.00	1,838.67	1,242.00	1,240.05	9.47	3.63	63.51	-4,405.86	3,382.03	5,414.65	5,402.07	12.58	430.300	
2,000.00	1,929.81	1,242.00	1,240.05	10.28	3.63	63.51	-4,405.86	3,382.03	5,407.73	5,394.41	13.32	405.944	
2,100.00	2,020.96	10,748.41	6,354.55	11.10	80.45	33.24	-179.97	3,598.62	5,358.72	5,298.57	60.15	89.093	
2,200.00	2,112.10	10,759.11	6,354.63	11.92	80.63	32.78	-169.29	3,599.32	5,261.44	5,200.83	60.61	86.809	
2,300.00	2,203.25	10,769.73	6,354.71	12.75	80.81	32.32	-158.69	3,600.03	5,164.25	5,103.17	61.08	84.544	
2,400.00	2,294.39	10,782.13	6,354.80	13.59	81.02	31.79	-146.32	3,600.84	5,067.16	5,005.56	61.59	82.267	
2,500.00	2,385.54	10,795.00	6,354.91	14.43	81.23	31.22	-133.48	3,601.64	4,970.15	4,908.03	62.12	80.005	
2,600.00	2,476.68	10,807.84	6,355.03	15.27	81.45	30.66	-120.66	3,602.41	4,873.24	4,810.57	62.67	77.764	
2,700.00	2,567.83	10,821.29	6,355.17	16.11	81.68	30.06	-107.23	3,603.18	4,776.43	4,713.20	63.23	75.537	
2,800.00	2,658.97	10,835.11	6,355.33	16.96	81.91	29.45	-93.43	3,603.93	4,679.73	4,615.92	63.82	73.329	
2,900.00	2,750.12	10,848.84	6,355.51	17.80	82.14	28.83	-79.72	3,604.63	4,583.15	4,518.73	64.42	71.146	
3,000.00	2,841.26	10,862.47	6,355.69	18.65	82.37	28.22	-66.10	3,605.29	4,486.69	4,421.65	65.04	68.988	
3,100.00	2,932.41	10,862.00	6,355.68	19.50	82.37	28.24	-66.58	3,605.27	4,390.37	4,324.87	65.51	67.020	
3,200.00	3,023.55	10,862.00	6,355.68	20.35	82.37	28.24	-66.58	3,605.27	4,294.23	4,228.22	66.01	65.056	
3,300.00	3,114.70	10,862.00	6,355.68	21.21	82.37	28.24	-66.58	3,605.27	4,198.26	4,131.73	66.53	63.105	
3,400.00	3,205.84	10,862.00	6,355.68	22.06	82.37	28.24	-66.58	3,605.27	4,102.48	4,035.41	67.07	61.166	
3,500.00	3,296.99	10,862.00	6,355.68	22.92	82.37	28.24	-66.58	3,605.27	4,006.92	3,939.28	67.64	59.240	
3,600.00	3,388.13	10,862.00	6,355.68	23.77	82.37	28.24	-66.58	3,605.27	3,911.57	3,843.34	68.23	57.328	
3,700.00	3,479.28	10,862.00	6,355.68	24.63	82.37	28.24	-66.58	3,605.27	3,816.46	3,747.61	68.85	55.431	
3,800.00	3,570.42	10,862.00	6,355.68	25.48	82.37	28.24	-66.58	3,605.27	3,721.61	3,652.11	69.50	53.549	
3,900.00	3,661.57	10,862.00	6,355.68	26.34	82.37	28.24	-66.58	3,605.27	3,627.03	3,556.86	70.18	51.683	
4,000.00	3,752.71	10,862.00	6,355.68	27.20	82.37	28.24	-66.58	3,605.27	3,532.76	3,461.87	70.89	49.834	
4,100.00	3,843.86	10,862.00	6,355.68	28.05	82.37	28.24	-66.58	3,605.27	3,438.80	3,367.17	71.64	48.004	
4,200.00	3,935.00	10,862.00	6,355.68	28.91	82.37	28.24	-66.58	3,605.27	3,345.20	3,272.78	72.42	46.192	
4,300.00	4,026.15	10,862.00	6,355.68	29.77	82.37	28.24	-66.58	3,605.27	3,251.98	3,178.74	73.24	44.400	
4,400.00	4,117.29	10,862.00	6,355.68	30.63	82.37	28.24	-66.58	3,605.27	3,159.17	3,085.06	74.11	42.630	
4,500.00	4,208.44	10,862.00	6,355.68	31.49	82.37	28.24	-66.58	3,605.27	3,066.82	2,991.80	75.02	40.881	
4,600.00	4,299.58	10,862.00	6,355.68	32.35	82.37	28.24	-66.58	3,605.27	2,974.96	2,898.98	75.98	39.156	
4,700.00	4,390.73	10,862.00	6,355.68	33.21	82.37	28.24	-66.58	3,605.27	2,883.64	2,806.65	76.99	37.456	
4,800.00	4,481.88	10,862.00	6,355.68	34.07	82.37	28.24	-66.58	3,605.27	2,792.91	2,714.86	78.05	35.782	
4,900.00	4,573.02	10,862.00	6,355.68	34.93	82.37	28.24	-66.58	3,605.27	2,702.84	2,623.67	79.18	34.137	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE T44-P41-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 475-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,664.17	10,862.00	6,355.68	35.79	82.37	28.24	-66.58	3,605.27	2,613.50	2,533.13	80.37	32.520	
5,100.00	4,755.31	10,862.00	6,355.68	36.65	82.37	28.24	-66.58	3,605.27	2,524.95	2,443.33	81.62	30.935	
5,200.00	4,846.46	10,862.00	6,355.68	37.51	82.37	28.24	-66.58	3,605.27	2,437.29	2,354.34	82.95	29.384	
5,300.00	4,937.60	10,862.00	6,355.68	38.37	82.37	28.24	-66.58	3,605.27	2,350.61	2,266.26	84.35	27.868	
5,400.00	5,028.75	10,862.00	6,355.68	39.23	82.37	28.24	-66.58	3,605.27	2,265.03	2,179.20	85.83	26.390	
5,500.00	5,119.89	10,862.00	6,355.68	40.09	82.37	28.24	-66.58	3,605.27	2,180.68	2,093.29	87.39	24.953	
5,600.00	5,211.04	10,862.00	6,355.68	40.96	82.37	28.24	-66.58	3,605.27	2,097.70	2,008.66	89.04	23.559	
5,700.00	5,302.18	10,862.00	6,355.68	41.82	82.37	28.24	-66.58	3,605.27	2,016.27	1,925.50	90.77	22.212	
5,800.00	5,393.33	10,862.00	6,355.68	42.68	82.37	28.24	-66.58	3,605.27	1,936.58	1,843.99	92.59	20.915	
5,900.00	5,484.47	10,862.00	6,355.68	43.54	82.37	28.24	-66.58	3,605.27	1,858.86	1,764.36	94.50	19.671	
6,000.00	5,575.62	10,862.00	6,355.68	44.40	82.37	28.24	-66.58	3,605.27	1,783.35	1,686.88	96.48	18.484	
6,100.00	5,666.76	10,862.00	6,355.68	45.26	82.37	28.24	-66.58	3,605.27	1,710.37	1,611.84	98.53	17.360	
6,175.79	5,735.84	10,862.00	6,355.68	45.92	82.37	28.24	-66.58	3,605.27	1,656.93	1,556.82	100.11	16.551	
6,200.00	5,757.87	10,862.00	6,355.68	46.13	82.37	35.58	-66.58	3,605.27	1,640.36	1,539.74	100.63	16.301	
6,250.00	5,803.02	10,862.00	6,355.68	46.56	82.37	49.48	-66.58	3,605.27	1,607.74	1,506.01	101.73	15.804	
6,300.00	5,847.42	10,862.00	6,355.68	46.99	82.37	61.39	-66.58	3,605.27	1,577.56	1,474.69	102.87	15.335	
6,350.00	5,890.72	10,862.00	6,355.68	47.41	82.37	71.27	-66.58	3,605.27	1,550.21	1,446.17	104.04	14.900	
6,400.00	5,932.60	10,862.00	6,355.68	47.83	82.37	79.31	-66.58	3,605.27	1,526.06	1,420.85	105.21	14.505	
6,450.00	5,972.74	10,862.00	6,355.68	48.23	82.37	85.76	-66.58	3,605.27	1,505.44	1,399.08	106.36	14.154	
6,500.00	6,010.83	10,862.00	6,355.68	48.61	82.37	90.89	-66.58	3,605.27	1,488.66	1,381.18	107.48	13.851	
6,550.00	6,046.58	10,862.00	6,355.68	48.98	82.37	94.90	-66.58	3,605.27	1,475.99	1,367.45	108.54	13.599	
6,600.00	6,079.73	10,862.00	6,355.68	49.33	82.37	97.98	-66.58	3,605.27	1,467.62	1,358.10	109.52	13.401	
6,650.00	6,110.01	10,862.00	6,355.68	49.67	82.37	100.23	-66.58	3,605.27	1,463.70	1,353.30	110.40	13.258	
6,668.50	6,120.45	10,862.00	6,355.68	49.78	82.37	100.88	-66.58	3,605.27	1,463.39	1,352.69	110.70	13.219 CC, ES	
6,700.00	6,137.21	10,862.00	6,355.68	49.98	82.37	101.76	-66.58	3,605.27	1,464.29	1,353.11	111.18	13.171	
6,750.00	6,161.10	10,862.00	6,355.68	50.28	82.37	102.64	-66.58	3,605.27	1,469.38	1,357.55	111.83	13.140 SF	
6,800.00	6,181.52	10,862.00	6,355.68	50.55	82.37	102.89	-66.58	3,605.27	1,478.88	1,366.53	112.35	13.163	
6,850.00	6,198.29	10,862.00	6,355.68	50.81	82.37	102.54	-66.58	3,605.27	1,492.64	1,379.90	112.74	13.240	
6,900.00	6,211.31	10,862.00	6,355.68	51.05	82.37	101.58	-66.58	3,605.27	1,510.45	1,397.44	113.01	13.366	
6,950.00	6,220.46	10,862.00	6,355.68	51.27	82.37	100.02	-66.58	3,605.27	1,532.02	1,418.86	113.16	13.539	
7,000.00	6,225.68	10,862.00	6,355.68	51.47	82.37	97.81	-66.58	3,605.27	1,557.04	1,443.84	113.20	13.755	
7,040.67	6,227.00	10,862.00	6,355.68	51.63	82.37	95.52	-66.58	3,605.27	1,579.70	1,466.53	113.17	13.959	
7,100.00	6,227.00	10,862.00	6,355.68	51.85	82.37	95.52	-66.58	3,605.27	1,614.87	1,501.82	113.05	14.285	
7,200.00	6,227.00	10,862.00	6,355.68	52.25	82.37	95.52	-66.58	3,605.27	1,677.24	1,564.50	112.73	14.878	
7,300.00	6,227.00	10,862.00	6,355.68	52.70	82.37	95.52	-66.58	3,605.27	1,743.11	1,630.81	112.30	15.522	
7,400.00	6,227.00	10,862.00	6,355.68	53.18	82.37	95.52	-66.58	3,605.27	1,812.12	1,700.34	111.78	16.212	
7,500.00	6,227.00	10,862.00	6,355.68	53.71	82.37	95.52	-66.58	3,605.27	1,883.90	1,772.72	111.18	16.944	
7,600.00	6,227.00	10,862.00	6,355.68	54.28	82.37	95.52	-66.58	3,605.27	1,958.16	1,847.62	110.54	17.714	
7,700.00	6,227.00	10,862.00	6,355.68	54.89	82.37	95.52	-66.58	3,605.27	2,034.63	1,924.76	109.87	18.518	
7,800.00	6,227.00	10,862.00	6,355.68	55.55	82.37	95.52	-66.58	3,605.27	2,113.07	2,003.88	109.19	19.353	
7,900.00	6,227.00	10,862.00	6,355.68	56.25	82.37	95.52	-66.58	3,605.27	2,193.26	2,084.76	108.49	20.216	
8,000.00	6,227.00	10,862.00	6,355.68	56.99	82.37	95.52	-66.58	3,605.27	2,275.02	2,167.21	107.80	21.103	
8,100.00	6,227.00	10,862.00	6,355.68	57.78	82.37	95.52	-66.58	3,605.27	2,358.18	2,251.06	107.13	22.013	
8,200.00	6,227.00	10,862.00	6,355.68	58.62	82.37	95.52	-66.58	3,605.27	2,442.61	2,336.15	106.46	22.944	
8,300.00	6,227.00	10,862.00	6,355.68	59.49	82.37	95.52	-66.58	3,605.27	2,528.17	2,422.36	105.82	23.892	
8,400.00	6,227.00	10,862.00	6,355.68	60.41	82.37	95.52	-66.58	3,605.27	2,614.76	2,509.57	105.19	24.858	
8,500.00	6,227.00	10,862.00	6,355.68	61.37	82.37	95.52	-66.58	3,605.27	2,702.28	2,597.69	104.58	25.838	
8,600.00	6,227.00	10,862.00	6,355.68	62.37	82.37	95.52	-66.58	3,605.27	2,790.63	2,686.63	104.00	26.832	
8,700.00	6,227.00	10,862.00	6,355.68	63.41	82.37	95.52	-66.58	3,605.27	2,879.75	2,776.30	103.44	27.838	
8,800.00	6,227.00	10,862.00	6,355.68	64.49	82.37	95.52	-66.58	3,605.27	2,969.56	2,866.65	102.91	28.856	
8,900.00	6,227.00	10,862.00	6,355.68	65.60	82.37	95.52	-66.58	3,605.27	3,060.00	2,957.60	102.40	29.883	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE T44-P41-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 475-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	10,862.00	6,355.68	66.74	82.37	95.52	-66.58	3,605.27	3,151.02	3,049.11	101.91	30.920	
9,100.00	6,227.00	10,862.00	6,355.68	67.92	82.37	95.52	-66.58	3,605.27	3,242.57	3,141.12	101.44	31.965	
9,200.00	6,227.00	10,862.00	6,355.68	69.13	82.37	95.52	-66.58	3,605.27	3,334.60	3,233.60	101.00	33.017	
9,300.00	6,227.00	10,862.00	6,355.68	70.37	82.37	95.52	-66.58	3,605.27	3,427.08	3,326.51	100.57	34.076	
9,400.00	6,227.00	10,862.00	6,355.68	71.63	82.37	95.52	-66.58	3,605.27	3,519.97	3,419.80	100.17	35.141	
9,500.00	6,227.00	10,862.00	6,355.68	72.92	82.37	95.52	-66.58	3,605.27	3,613.24	3,513.46	99.78	36.212	
9,600.00	6,227.00	10,862.00	6,355.68	74.23	82.37	95.52	-66.58	3,605.27	3,706.86	3,607.45	99.41	37.287	
9,700.00	6,227.00	10,862.00	6,355.68	75.57	82.37	95.52	-66.58	3,605.27	3,800.81	3,701.75	99.06	38.367	
9,800.00	6,227.00	10,862.00	6,355.68	76.93	82.37	95.52	-66.58	3,605.27	3,895.06	3,796.33	98.73	39.452	
9,900.00	6,227.00	10,862.00	6,355.68	78.31	82.37	95.52	-66.58	3,605.27	3,989.59	3,891.18	98.41	40.539	
10,000.00	6,227.00	10,862.00	6,355.68	79.71	82.37	95.52	-66.58	3,605.27	4,084.38	3,986.27	98.11	41.631	
10,100.00	6,227.00	10,862.00	6,355.68	81.12	82.37	95.52	-66.58	3,605.27	4,179.41	4,081.59	97.82	42.725	
10,200.00	6,227.00	10,862.00	6,355.68	82.55	82.37	95.52	-66.58	3,605.27	4,274.67	4,177.12	97.55	43.822	
10,300.00	6,227.00	10,862.00	6,355.68	84.00	82.37	95.52	-66.58	3,605.27	4,370.14	4,272.85	97.29	44.921	
10,400.00	6,227.00	10,862.00	6,355.68	85.46	82.37	95.52	-66.58	3,605.27	4,465.81	4,368.77	97.04	46.022	
10,500.00	6,227.00	10,862.00	6,355.68	86.94	82.37	95.52	-66.58	3,605.27	4,561.66	4,464.86	96.80	47.126	
10,600.00	6,227.00	10,862.00	6,355.68	88.43	82.37	95.52	-66.58	3,605.27	4,657.69	4,561.12	96.57	48.231	
10,700.00	6,227.00	10,862.00	6,355.68	89.93	82.37	95.52	-66.58	3,605.27	4,753.88	4,657.53	96.35	49.337	
10,800.00	6,227.00	10,862.00	6,355.68	91.44	82.37	95.52	-66.58	3,605.27	4,850.23	4,754.08	96.15	50.445	
10,900.00	6,227.00	10,862.00	6,355.68	92.96	82.37	95.52	-66.58	3,605.27	4,946.72	4,850.77	95.95	51.554	
11,000.00	6,227.00	10,862.00	6,355.68	94.50	82.37	95.52	-66.58	3,605.27	5,043.35	4,947.58	95.76	52.664	
11,100.00	6,227.00	10,862.00	6,355.68	96.04	82.37	95.52	-66.58	3,605.27	5,140.10	5,044.52	95.59	53.775	
11,200.00	6,227.00	10,862.00	6,355.68	97.59	82.37	95.52	-66.58	3,605.27	5,236.98	5,141.57	95.42	54.886	
11,300.00	6,227.00	10,862.00	6,355.68	99.15	82.37	95.52	-66.58	3,605.27	5,333.98	5,238.72	95.25	55.998	
11,400.00	6,227.00	10,862.00	6,355.68	100.72	82.37	95.52	-66.58	3,605.27	5,431.08	5,335.98	95.10	57.111	
11,500.00	6,227.00	10,862.00	6,355.68	102.30	82.37	95.52	-66.58	3,605.27	5,528.29	5,433.34	94.95	58.224	
11,600.00	6,227.00	10,862.00	6,355.68	103.88	82.37	95.52	-66.58	3,605.27	5,625.59	5,530.78	94.81	59.337	
11,700.00	6,227.00	10,862.00	6,355.68	105.47	82.37	95.52	-66.58	3,605.27	5,722.99	5,628.32	94.67	60.451	
11,743.45	6,227.00	10,862.00	6,355.68	106.17	82.37	95.52	-66.58	3,605.27	5,765.34	5,670.72	94.62	60.934	
11,808.25	6,227.00	10,862.00	6,355.68	107.20	82.37	96.13	-66.58	3,605.27	5,828.68	5,734.14	94.54	61.655	
11,900.00	6,227.00	10,862.00	6,355.68	108.66	82.37	96.13	-66.58	3,605.27	5,918.62	5,824.19	94.43	62.674	
12,000.00	6,227.00	10,862.00	6,355.68	110.26	82.37	96.13	-66.58	3,605.27	6,016.72	5,922.39	94.33	63.785	
12,100.00	6,227.00	10,862.00	6,355.68	111.86	82.37	96.13	-66.58	3,605.27	6,114.88	6,020.65	94.23	64.896	
12,200.00	6,227.00	10,862.00	6,355.68	113.47	82.37	96.13	-66.58	3,605.27	6,213.10	6,118.97	94.13	66.006	
12,300.00	6,227.00	10,862.00	6,355.68	115.08	82.37	96.13	-66.58	3,605.27	6,311.37	6,217.33	94.04	67.116	
12,400.00	6,227.00	10,862.00	6,355.68	116.70	82.37	96.13	-66.58	3,605.27	6,409.70	6,315.75	93.95	68.225	
12,500.00	6,227.00	10,862.00	6,355.68	118.33	82.37	96.13	-66.58	3,605.27	6,508.08	6,414.21	93.86	69.335	
12,600.00	6,227.00	10,862.00	6,355.68	119.96	82.37	96.13	-66.58	3,605.27	6,606.50	6,512.72	93.78	70.443	
12,700.00	6,227.00	10,862.00	6,355.68	121.60	82.37	96.13	-66.58	3,605.27	6,704.98	6,611.27	93.71	71.552	
12,800.00	6,227.00	10,862.00	6,355.68	123.24	82.37	96.13	-66.58	3,605.27	6,803.49	6,709.86	93.64	72.660	
12,900.00	6,227.00	10,862.00	6,355.68	124.88	82.37	96.13	-66.58	3,605.27	6,902.05	6,808.49	93.57	73.767	
13,000.00	6,227.00	10,862.00	6,355.68	126.53	82.37	96.13	-66.58	3,605.27	7,000.65	6,907.15	93.50	74.874	
13,100.00	6,227.00	10,862.00	6,355.68	128.18	82.37	96.13	-66.58	3,605.27	7,099.29	7,005.86	93.44	75.980	
13,200.00	6,227.00	10,862.00	6,355.68	129.84	82.37	96.13	-66.58	3,605.27	7,197.97	7,104.60	93.38	77.085	
13,300.00	6,227.00	10,862.00	6,355.68	131.50	82.37	96.13	-66.58	3,605.27	7,296.69	7,203.37	93.32	78.190	
13,400.00	6,227.00	10,862.00	6,355.68	133.16	82.37	96.13	-66.58	3,605.27	7,395.44	7,302.17	93.27	79.294	
13,500.00	6,227.00	10,862.00	6,355.68	134.83	82.37	96.13	-66.58	3,605.27	7,494.22	7,401.00	93.21	80.397	
13,600.00	6,227.00	10,862.00	6,355.68	136.50	82.37	96.13	-66.58	3,605.27	7,593.03	7,499.86	93.17	81.500	
13,700.00	6,227.00	10,862.00	6,355.68	138.17	82.37	96.13	-66.58	3,605.27	7,691.87	7,598.75	93.12	82.602	
13,800.00	6,227.00	10,862.00	6,355.68	139.85	82.37	96.13	-66.58	3,605.27	7,790.75	7,697.67	93.08	83.703	
13,900.00	6,227.00	10,862.00	6,355.68	141.53	82.37	96.13	-66.58	3,605.27	7,889.65	7,796.62	93.03	84.803	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE T44-P41-36HNC - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 475-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	6,227.00	10,862.00	6,355.68	143.21	82.37	96.13	-66.58	3,605.27	7,988.58	7,895.58	93.00	85.903		
14,100.00	6,227.00	10,862.00	6,355.68	144.89	82.37	96.13	-66.58	3,605.27	8,087.54	7,994.58	92.96	87.002		
14,200.00	6,227.00	10,862.00	6,355.68	146.58	82.37	96.13	-66.58	3,605.27	8,186.52	8,093.59	92.92	88.099		
14,300.00	6,227.00	10,862.00	6,355.68	148.26	82.37	96.13	-66.58	3,605.27	8,285.52	8,192.63	92.89	89.196		
14,400.00	6,227.00	10,862.00	6,355.68	149.96	82.37	96.13	-66.58	3,605.27	8,384.55	8,291.69	92.86	90.292		
14,500.00	6,227.00	10,862.00	6,355.68	151.65	82.37	96.13	-66.58	3,605.27	8,483.60	8,390.77	92.83	91.387		
14,600.00	6,227.00	10,862.00	6,355.68	153.34	82.37	96.13	-66.58	3,605.27	8,582.68	8,489.87	92.80	92.482		
14,700.00	6,227.00	10,862.00	6,355.68	155.04	82.37	96.13	-66.58	3,605.27	8,681.77	8,588.99	92.78	93.575		
14,800.00	6,227.00	10,862.00	6,355.68	156.74	82.37	96.13	-66.58	3,605.27	8,780.89	8,688.13	92.76	94.667		
14,900.00	6,227.00	10,862.00	6,355.68	158.44	82.37	96.13	-66.58	3,605.27	8,880.02	8,787.29	92.73	95.758		
15,000.00	6,227.00	10,862.00	6,355.68	160.14	82.37	96.13	-66.58	3,605.27	8,979.18	8,886.46	92.71	96.849		
15,100.00	6,227.00	10,862.00	6,355.68	161.85	82.37	96.13	-66.58	3,605.27	9,078.35	8,985.66	92.69	97.938		
15,200.00	6,227.00	10,862.00	6,355.68	163.56	82.37	96.13	-66.58	3,605.27	9,177.54	9,084.86	92.68	99.026		
15,300.00	6,227.00	10,862.00	6,355.68	165.26	82.37	96.13	-66.58	3,605.27	9,276.75	9,184.09	92.66	100.113		
15,400.00	6,227.00	10,862.00	6,355.68	166.97	82.37	96.13	-66.58	3,605.27	9,375.98	9,283.33	92.65	101.200		
15,500.00	6,227.00	10,862.00	6,355.68	168.68	82.37	96.13	-66.58	3,605.27	9,475.22	9,382.58	92.64	102.285		
15,600.00	6,227.00	10,862.00	6,355.68	170.40	82.37	96.13	-66.58	3,605.27	9,574.48	9,481.85	92.62	103.369		
15,700.00	6,227.00	10,862.00	6,355.68	172.11	82.37	96.13	-66.58	3,605.27	9,673.75	9,581.13	92.61	104.452		
15,800.00	6,227.00	10,862.00	6,355.68	173.83	82.37	96.13	-66.58	3,605.27	9,773.04	9,680.43	92.61	105.534		
15,900.00	6,227.00	10,862.00	6,355.68	175.54	82.37	96.13	-66.58	3,605.27	9,872.34	9,779.74	92.60	106.614		
16,000.00	6,227.00	10,862.00	6,355.68	177.26	82.37	96.13	-66.58	3,605.27	9,971.65	9,879.06	92.59	107.694		
16,100.00	6,227.00	10,862.00	6,355.68	178.98	82.37	96.13	-66.58	3,605.27	10,070.98	9,978.40	92.59	108.773		

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE T-P-36HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 510-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	6.09	6.09	0.00	0.01	141.97	-4,356.90	3,407.43	5,531.10				
100.00	100.00	127.96	127.96	0.27	0.22	141.97	-4,356.86	3,407.04	5,530.89	5,530.40	0.49	N/A	
200.00	200.00	249.82	249.81	0.63	0.44	141.98	-4,356.78	3,405.94	5,530.27	5,529.21	1.06	5,201.782	
300.00	300.00	371.66	371.64	0.99	0.65	142.00	-4,356.63	3,404.13	5,529.27	5,527.63	1.63	3,383.838	
400.00	400.00	493.47	493.43	1.34	0.86	142.02	-4,356.43	3,401.62	5,527.86	5,525.66	2.20	2,507.168	
500.00	499.98	584.11	584.04	1.70	1.16	60.04	-4,356.03	3,399.83	5,525.44	5,522.59	2.85	1,938.277	
600.00	599.84	640.19	640.12	2.05	1.35	60.13	-4,355.53	3,399.44	5,521.73	5,518.33	3.40	1,625.592	
700.00	699.45	694.00	693.92	2.41	1.53	60.24	-4,355.03	3,399.99	5,517.22	5,513.28	3.94	1,400.090	
800.00	798.70	735.25	735.17	2.79	1.67	60.37	-4,354.97	3,400.62	5,511.92	5,507.47	4.45	1,238.180	
900.00	897.47	787.00	786.91	3.19	1.85	60.56	-4,355.80	3,401.03	5,505.87	5,500.85	5.01	1,097.943	
1,000.00	995.62	877.00	876.88	3.62	2.16	60.85	-4,357.89	3,401.38	5,498.51	5,492.77	5.74	958.664	
1,100.00	1,093.06	970.00	969.81	4.09	2.48	61.22	-4,361.28	3,400.45	5,489.72	5,483.22	6.50	844.359	
1,200.00	1,189.64	1,085.69	1,085.35	4.59	2.90	61.74	-4,366.73	3,397.91	5,479.56	5,472.17	7.39	741.498	
1,300.00	1,285.27	1,249.46	1,248.65	5.14	3.50	62.53	-4,375.47	3,389.41	5,466.50	5,458.00	8.50	642.897	
1,400.00	1,379.82	1,301.92	1,300.89	5.74	3.70	63.00	-4,378.78	3,385.94	5,452.14	5,442.88	9.26	589.066	
1,500.00	1,473.17	1,338.00	1,336.76	6.40	3.84	63.43	-4,381.56	3,383.21	5,437.16	5,427.16	10.00	543.940	
1,600.00	1,565.21	1,391.95	1,390.29	7.12	4.05	63.98	-4,386.53	3,378.73	5,421.65	5,410.79	10.86	499.006	
1,614.66	1,578.59	1,397.83	1,396.12	7.23	4.07	64.05	-4,387.13	3,378.23	5,419.35	5,408.36	10.99	493.135	
1,700.00	1,656.38	1,430.00	1,427.97	7.88	4.20	64.22	-4,390.64	3,375.37	5,406.37	5,394.65	11.72	461.447	
1,800.00	1,747.52	1,463.62	1,461.21	8.67	4.33	64.40	-4,394.68	3,372.35	5,392.31	5,379.74	12.57	428.829	
1,900.00	1,838.67	10,816.00	6,304.53	9.47	82.16	34.88	-70.80	3,241.99	5,308.20	5,248.81	59.39	89.385	
2,000.00	1,929.81	10,816.00	6,304.53	10.28	82.16	34.88	-70.80	3,241.99	5,209.70	5,150.06	59.64	87.358	
2,100.00	2,020.96	10,816.00	6,304.53	11.10	82.16	34.88	-70.80	3,241.99	5,111.25	5,051.36	59.90	85.333	
2,200.00	2,112.10	10,816.00	6,304.53	11.92	82.16	34.88	-70.80	3,241.99	5,012.87	4,952.70	60.17	83.310	
2,300.00	2,203.25	10,816.00	6,304.53	12.75	82.16	34.88	-70.80	3,241.99	4,914.56	4,854.10	60.46	81.291	
2,400.00	2,294.39	10,816.00	6,304.53	13.59	82.16	34.88	-70.80	3,241.99	4,816.31	4,755.56	60.75	79.275	
2,500.00	2,385.54	10,816.00	6,304.53	14.43	82.16	34.88	-70.80	3,241.99	4,718.14	4,657.07	61.06	77.265	
2,600.00	2,476.68	10,816.00	6,304.53	15.27	82.16	34.88	-70.80	3,241.99	4,620.04	4,558.65	61.39	75.259	
2,700.00	2,567.83	10,816.00	6,304.53	16.11	82.16	34.88	-70.80	3,241.99	4,522.03	4,460.30	61.73	73.260	
2,800.00	2,658.97	10,816.00	6,304.53	16.96	82.16	34.88	-70.80	3,241.99	4,424.11	4,362.03	62.08	71.266	
2,900.00	2,750.12	10,816.00	6,304.53	17.80	82.16	34.88	-70.80	3,241.99	4,326.28	4,263.83	62.45	69.280	
3,000.00	2,841.26	10,816.00	6,304.53	18.65	82.16	34.88	-70.80	3,241.99	4,228.56	4,165.73	62.83	67.300	
3,100.00	2,932.41	10,816.00	6,304.53	19.50	82.16	34.88	-70.80	3,241.99	4,130.94	4,067.71	63.23	65.329	
3,200.00	3,023.55	10,816.00	6,304.53	20.35	82.16	34.88	-70.80	3,241.99	4,033.44	3,969.79	63.65	63.367	
3,300.00	3,114.70	10,816.00	6,304.53	21.21	82.16	34.88	-70.80	3,241.99	3,936.07	3,871.97	64.09	61.413	
3,400.00	3,205.84	10,816.00	6,304.53	22.06	82.16	34.88	-70.80	3,241.99	3,838.83	3,774.28	64.55	59.470	
3,500.00	3,296.99	10,816.00	6,304.53	22.92	82.16	34.88	-70.80	3,241.99	3,741.73	3,676.70	65.03	57.536	
3,600.00	3,388.13	10,816.00	6,304.53	23.77	82.16	34.88	-70.80	3,241.99	3,644.80	3,579.26	65.54	55.614	
3,700.00	3,479.28	10,816.00	6,304.53	24.63	82.16	34.88	-70.80	3,241.99	3,548.03	3,481.96	66.07	53.703	
3,800.00	3,570.42	10,816.00	6,304.53	25.48	82.16	34.88	-70.80	3,241.99	3,451.45	3,384.82	66.63	51.804	
3,900.00	3,661.57	10,816.00	6,304.53	26.34	82.16	34.88	-70.80	3,241.99	3,355.07	3,287.85	67.21	49.918	
4,000.00	3,752.71	10,816.00	6,304.53	27.20	82.16	34.88	-70.80	3,241.99	3,258.90	3,191.07	67.83	48.046	
4,100.00	3,843.86	10,816.00	6,304.53	28.05	82.16	34.88	-70.80	3,241.99	3,162.98	3,094.50	68.48	46.188	
4,200.00	3,935.00	10,816.00	6,304.53	28.91	82.16	34.88	-70.80	3,241.99	3,067.31	2,998.14	69.17	44.346	
4,300.00	4,026.15	10,816.00	6,304.53	29.77	82.16	34.88	-70.80	3,241.99	2,971.93	2,902.04	69.89	42.520	
4,400.00	4,117.29	10,816.00	6,304.53	30.63	82.16	34.88	-70.80	3,241.99	2,876.86	2,806.20	70.66	40.711	
4,500.00	4,208.44	10,816.00	6,304.53	31.49	82.16	34.88	-70.80	3,241.99	2,782.14	2,710.66	71.48	38.921	
4,600.00	4,299.58	10,816.00	6,304.53	32.35	82.16	34.88	-70.80	3,241.99	2,687.81	2,615.46	72.35	37.151	
4,700.00	4,390.73	10,816.00	6,304.53	33.21	82.16	34.88	-70.80	3,241.99	2,593.89	2,520.62	73.27	35.402	
4,800.00	4,481.88	10,816.00	6,304.53	34.07	82.16	34.88	-70.80	3,241.99	2,500.45	2,426.20	74.25	33.675	
4,900.00	4,573.02	10,816.00	6,304.53	34.93	82.16	34.88	-70.80	3,241.99	2,407.53	2,332.23	75.30	31.972	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE T-P-36HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 510-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
5,000.00	4,664.17	10,816.00	6,304.53	35.79	82.16	34.88	-70.80	3,241.99	2,315.21	2,238.79	76.42	30.295	
5,100.00	4,755.31	10,816.00	6,304.53	36.65	82.16	34.88	-70.80	3,241.99	2,223.55	2,145.93	77.62	28.647	
5,200.00	4,846.46	10,816.00	6,304.53	37.51	82.16	34.88	-70.80	3,241.99	2,132.64	2,053.74	78.90	27.028	
5,300.00	4,937.60	10,816.00	6,304.53	38.37	82.16	34.88	-70.80	3,241.99	2,042.58	1,962.30	80.28	25.443	
5,400.00	5,028.75	10,816.00	6,304.53	39.23	82.16	34.88	-70.80	3,241.99	1,953.48	1,871.73	81.76	23.893	
5,500.00	5,119.89	10,816.00	6,304.53	40.09	82.16	34.88	-70.80	3,241.99	1,865.50	1,782.15	83.35	22.382	
5,600.00	5,211.04	10,816.00	6,304.53	40.96	82.16	34.88	-70.80	3,241.99	1,778.78	1,693.73	85.05	20.914	
5,700.00	5,302.18	10,816.00	6,304.53	41.82	82.16	34.88	-70.80	3,241.99	1,693.53	1,606.64	86.88	19.492	
5,800.00	5,393.33	10,816.00	6,304.53	42.68	82.16	34.88	-70.80	3,241.99	1,609.97	1,521.13	88.84	18.122	
5,900.00	5,484.47	10,816.00	6,304.53	43.54	82.16	34.88	-70.80	3,241.99	1,528.39	1,437.46	90.93	16.808	
6,000.00	5,575.62	10,816.00	6,304.53	44.40	82.16	34.88	-70.80	3,241.99	1,449.12	1,355.96	93.16	15.555	
6,100.00	5,666.76	10,816.00	6,304.53	45.26	82.16	34.88	-70.80	3,241.99	1,372.56	1,277.06	95.50	14.372	
6,175.79	5,735.84	10,816.00	6,304.53	45.92	82.16	34.88	-70.80	3,241.99	1,316.63	1,219.29	97.35	13.525	
6,200.00	5,757.87	10,816.00	6,304.53	46.13	82.16	42.28	-70.80	3,241.99	1,299.36	1,201.41	97.95	13.266	
6,250.00	5,803.02	10,816.00	6,304.53	46.56	82.16	56.18	-70.80	3,241.99	1,265.60	1,166.37	99.23	12.754	
6,300.00	5,847.42	10,816.00	6,304.53	46.99	82.16	67.96	-70.80	3,241.99	1,234.80	1,134.26	100.54	12.281	
6,350.00	5,890.72	10,816.00	6,304.53	47.41	82.16	77.64	-70.80	3,241.99	1,207.45	1,105.59	101.85	11.855	
6,400.00	5,932.60	10,816.00	6,304.53	47.83	82.16	85.42	-70.80	3,241.99	1,183.98	1,080.85	103.13	11.481	
6,450.00	5,972.74	10,816.00	6,304.53	48.23	82.16	91.58	-70.80	3,241.99	1,164.82	1,060.49	104.33	11.165	
6,500.00	6,010.83	10,816.00	6,304.53	48.61	82.16	96.40	-70.80	3,241.99	1,150.33	1,044.92	105.41	10.913	
6,550.00	6,046.58	10,816.00	6,304.53	48.98	82.16	100.09	-70.80	3,241.99	1,140.81	1,034.46	106.35	10.726	
6,600.00	6,079.73	10,816.00	6,304.53	49.33	82.16	102.82	-70.80	3,241.99	1,136.45	1,029.33	107.12	10.609	
6,616.55	6,090.08	10,816.00	6,304.53	49.44	82.16	103.53	-70.80	3,241.99	1,136.16	1,028.83	107.33	10.586 CC, ES	
6,650.00	6,110.01	10,816.00	6,304.53	49.67	82.16	104.71	-70.80	3,241.99	1,137.34	1,029.65	107.69	10.562 SF	
6,700.00	6,137.21	10,816.00	6,304.53	49.98	82.16	105.85	-70.80	3,241.99	1,143.47	1,035.42	108.05	10.583	
6,750.00	6,161.10	10,816.00	6,304.53	50.28	82.16	106.28	-70.80	3,241.99	1,154.70	1,046.49	108.20	10.672	
6,800.00	6,181.52	10,816.00	6,304.53	50.55	82.16	106.03	-70.80	3,241.99	1,170.80	1,062.63	108.17	10.824	
6,850.00	6,198.29	10,816.00	6,304.53	50.81	82.16	105.09	-70.80	3,241.99	1,191.46	1,083.49	107.97	11.035	
6,900.00	6,211.31	10,816.00	6,304.53	51.05	82.16	103.44	-70.80	3,241.99	1,216.30	1,108.66	107.63	11.300	
6,950.00	6,220.46	10,816.00	6,304.53	51.27	82.16	101.03	-70.80	3,241.99	1,244.87	1,137.68	107.19	11.614	
7,000.00	6,225.68	10,816.00	6,304.53	51.47	82.16	97.81	-70.80	3,241.99	1,276.72	1,170.05	106.67	11.969	
7,040.67	6,227.00	10,816.00	6,304.53	51.63	82.16	94.52	-70.80	3,241.99	1,304.72	1,198.52	106.21	12.285	
7,100.00	6,227.00	10,816.00	6,304.53	51.85	82.16	94.52	-70.80	3,241.99	1,347.45	1,241.94	105.51	12.771	
7,200.00	6,227.00	10,816.00	6,304.53	52.25	82.16	94.52	-70.80	3,241.99	1,422.17	1,317.86	104.31	13.634	
7,300.00	6,227.00	10,816.00	6,304.53	52.70	82.16	94.52	-70.80	3,241.99	1,499.83	1,396.72	103.11	14.546	
7,400.00	6,227.00	10,816.00	6,304.53	53.18	82.16	94.52	-70.80	3,241.99	1,580.01	1,478.08	101.94	15.500	
7,500.00	6,227.00	10,816.00	6,304.53	53.71	82.16	94.52	-70.80	3,241.99	1,662.34	1,561.54	100.80	16.491	
7,600.00	6,227.00	10,816.00	6,304.53	54.28	82.16	94.52	-70.80	3,241.99	1,746.51	1,646.79	99.73	17.513	
7,700.00	6,227.00	10,816.00	6,304.53	54.89	82.16	94.52	-70.80	3,241.99	1,832.28	1,733.57	98.71	18.563	
7,800.00	6,227.00	10,816.00	6,304.53	55.55	82.16	94.52	-70.80	3,241.99	1,919.42	1,821.67	97.75	19.636	
7,900.00	6,227.00	10,816.00	6,304.53	56.25	82.16	94.52	-70.80	3,241.99	2,007.77	1,910.91	96.85	20.730	
8,000.00	6,227.00	10,816.00	6,304.53	56.99	82.16	94.52	-70.80	3,241.99	2,097.16	2,001.14	96.02	21.842	
8,100.00	6,227.00	10,816.00	6,304.53	57.78	82.16	94.52	-70.80	3,241.99	2,187.46	2,092.23	95.24	22.968	
8,200.00	6,227.00	10,816.00	6,304.53	58.62	82.16	94.52	-70.80	3,241.99	2,278.58	2,184.07	94.51	24.109	
8,300.00	6,227.00	10,816.00	6,304.53	59.49	82.16	94.52	-70.80	3,241.99	2,370.42	2,276.58	93.84	25.260	
8,400.00	6,227.00	10,816.00	6,304.53	60.41	82.16	94.52	-70.80	3,241.99	2,462.89	2,369.67	93.22	26.421	
8,500.00	6,227.00	10,816.00	6,304.53	61.37	82.16	94.52	-70.80	3,241.99	2,555.92	2,463.29	92.64	27.591	
8,600.00	6,227.00	10,816.00	6,304.53	62.37	82.16	94.52	-70.80	3,241.99	2,649.47	2,557.37	92.10	28.767	
8,700.00	6,227.00	10,816.00	6,304.53	63.41	82.16	94.52	-70.80	3,241.99	2,743.47	2,651.87	91.60	29.950	
8,800.00	6,227.00	10,816.00	6,304.53	64.49	82.16	94.52	-70.80	3,241.99	2,837.88	2,746.74	91.14	31.138	
8,900.00	6,227.00	10,816.00	6,304.53	65.60	82.16	94.52	-70.80	3,241.99	2,932.66	2,841.95	90.71	32.331	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE T-P-36HNB - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 510-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	6,227.00	10,816.00	6,304.53	66.74	82.16	94.52	-70.80	3,241.99	3,027.78	2,937.47	90.31	33.527		
9,100.00	6,227.00	10,816.00	6,304.53	67.92	82.16	94.52	-70.80	3,241.99	3,123.20	3,033.26	89.94	34.727		
9,200.00	6,227.00	10,816.00	6,304.53	69.13	82.16	94.52	-70.80	3,241.99	3,218.90	3,129.31	89.59	35.929		
9,300.00	6,227.00	10,816.00	6,304.53	70.37	82.16	94.52	-70.80	3,241.99	3,314.85	3,225.58	89.27	37.133		
9,400.00	6,227.00	10,816.00	6,304.53	71.63	82.16	94.52	-70.80	3,241.99	3,411.04	3,322.07	88.97	38.339		
9,500.00	6,227.00	10,816.00	6,304.53	72.92	82.16	94.52	-70.80	3,241.99	3,507.44	3,418.75	88.69	39.546		
9,600.00	6,227.00	10,816.00	6,304.53	74.23	82.16	94.52	-70.80	3,241.99	3,604.03	3,515.60	88.43	40.754		
9,700.00	6,227.00	10,816.00	6,304.53	75.57	82.16	94.52	-70.80	3,241.99	3,700.81	3,612.62	88.19	41.963		
9,800.00	6,227.00	10,816.00	6,304.53	76.93	82.16	94.52	-70.80	3,241.99	3,797.75	3,709.79	87.97	43.172		
9,900.00	6,227.00	10,816.00	6,304.53	78.31	82.16	94.52	-70.80	3,241.99	3,894.85	3,807.10	87.76	44.382		
10,000.00	6,227.00	10,816.00	6,304.53	79.71	82.16	94.52	-70.80	3,241.99	3,992.09	3,904.53	87.56	45.592		
10,100.00	6,227.00	10,816.00	6,304.53	81.12	82.16	94.52	-70.80	3,241.99	4,089.47	4,002.09	87.38	46.802		
10,200.00	6,227.00	10,816.00	6,304.53	82.55	82.16	94.52	-70.80	3,241.99	4,186.97	4,099.76	87.21	48.012		
10,300.00	6,227.00	10,816.00	6,304.53	84.00	82.16	94.52	-70.80	3,241.99	4,284.58	4,197.53	87.05	49.221		
10,400.00	6,227.00	10,816.00	6,304.53	85.46	82.16	94.52	-70.80	3,241.99	4,382.30	4,295.40	86.90	50.430		
10,500.00	6,227.00	10,816.00	6,304.53	86.94	82.16	94.52	-70.80	3,241.99	4,480.12	4,393.36	86.76	51.639		
10,600.00	6,227.00	10,816.00	6,304.53	88.43	82.16	94.52	-70.80	3,241.99	4,578.04	4,491.41	86.63	52.847		
10,700.00	6,227.00	10,816.00	6,304.53	89.93	82.16	94.52	-70.80	3,241.99	4,676.04	4,589.54	86.51	54.054		
10,800.00	6,227.00	10,816.00	6,304.53	91.44	82.16	94.52	-70.80	3,241.99	4,774.13	4,687.74	86.39	55.261		
10,900.00	6,227.00	10,816.00	6,304.53	92.96	82.16	94.52	-70.80	3,241.99	4,872.29	4,786.01	86.29	56.466		
11,000.00	6,227.00	10,816.00	6,304.53	94.50	82.16	94.52	-70.80	3,241.99	4,970.53	4,884.35	86.19	57.671		
11,100.00	6,227.00	10,816.00	6,304.53	96.04	82.16	94.52	-70.80	3,241.99	5,068.84	4,982.74	86.09	58.875		
11,200.00	6,227.00	10,816.00	6,304.53	97.59	82.16	94.52	-70.80	3,241.99	5,167.21	5,081.20	86.01	60.078		
11,300.00	6,227.00	10,816.00	6,304.53	99.15	82.16	94.52	-70.80	3,241.99	5,265.64	5,179.72	85.93	61.280		
11,400.00	6,227.00	10,816.00	6,304.53	100.72	82.16	94.52	-70.80	3,241.99	5,364.13	5,278.28	85.85	62.481		
11,500.00	6,227.00	10,816.00	6,304.53	102.30	82.16	94.52	-70.80	3,241.99	5,462.68	5,376.90	85.78	63.681		
11,600.00	6,227.00	10,816.00	6,304.53	103.88	82.16	94.52	-70.80	3,241.99	5,561.28	5,475.56	85.72	64.880		
11,700.00	6,227.00	10,816.00	6,304.53	105.47	82.16	94.52	-70.80	3,241.99	5,659.93	5,574.27	85.66	66.078		
11,743.45	6,227.00	10,816.00	6,304.53	106.17	82.16	94.52	-70.80	3,241.99	5,702.80	5,617.17	85.63	66.598		
11,808.25	6,227.00	10,816.00	6,304.53	107.20	82.16	95.25	-70.80	3,241.99	5,766.87	5,681.28	85.60	67.373		
11,900.00	6,227.00	10,816.00	6,304.53	108.66	82.16	95.25	-70.80	3,241.99	5,857.77	5,772.21	85.56	68.467		
12,000.00	6,227.00	10,816.00	6,304.53	110.26	82.16	95.25	-70.80	3,241.99	5,956.87	5,871.35	85.51	69.659		
12,100.00	6,227.00	10,816.00	6,304.53	111.86	82.16	95.25	-70.80	3,241.99	6,055.99	5,970.52	85.48	70.850		
12,200.00	6,227.00	10,816.00	6,304.53	113.47	82.16	95.25	-70.80	3,241.99	6,155.15	6,069.71	85.44	72.040		
12,300.00	6,227.00	10,816.00	6,304.53	115.08	82.16	95.25	-70.80	3,241.99	6,254.33	6,168.92	85.41	73.228		
12,400.00	6,227.00	10,816.00	6,304.53	116.70	82.16	95.25	-70.80	3,241.99	6,353.54	6,268.16	85.38	74.416		
12,500.00	6,227.00	10,816.00	6,304.53	118.33	82.16	95.25	-70.80	3,241.99	6,452.77	6,367.42	85.35	75.602		
12,600.00	6,227.00	10,816.00	6,304.53	119.96	82.16	95.25	-70.80	3,241.99	6,552.02	6,466.70	85.33	76.788		
12,700.00	6,227.00	10,816.00	6,304.53	121.60	82.16	95.25	-70.80	3,241.99	6,651.30	6,566.00	85.30	77.972		
12,800.00	6,227.00	10,816.00	6,304.53	123.24	82.16	95.25	-70.80	3,241.99	6,750.60	6,665.32	85.28	79.155		
12,900.00	6,227.00	10,816.00	6,304.53	124.88	82.16	95.25	-70.80	3,241.99	6,849.92	6,764.66	85.27	80.336		
13,000.00	6,227.00	10,816.00	6,304.53	126.53	82.16	95.25	-70.80	3,241.99	6,949.26	6,864.01	85.25	81.517		
13,100.00	6,227.00	10,816.00	6,304.53	128.18	82.16	95.25	-70.80	3,241.99	7,048.62	6,963.38	85.23	82.696		
13,200.00	6,227.00	10,816.00	6,304.53	129.84	82.16	95.25	-70.80	3,241.99	7,147.99	7,062.77	85.22	83.874		
13,300.00	6,227.00	10,816.00	6,304.53	131.50	82.16	95.25	-70.80	3,241.99	7,247.39	7,162.17	85.21	85.051		
13,400.00	6,227.00	10,816.00	6,304.53	133.16	82.16	95.25	-70.80	3,241.99	7,346.80	7,261.59	85.20	86.227		
13,500.00	6,227.00	10,816.00	6,304.53	134.83	82.16	95.25	-70.80	3,241.99	7,446.22	7,361.02	85.20	87.402		
13,600.00	6,227.00	10,816.00	6,304.53	136.50	82.16	95.25	-70.80	3,241.99	7,545.66	7,460.47	85.19	88.575		
13,700.00	6,227.00	10,816.00	6,304.53	138.17	82.16	95.25	-70.80	3,241.99	7,645.12	7,559.93	85.19	89.747		
13,800.00	6,227.00	10,816.00	6,304.53	139.85	82.16	95.25	-70.80	3,241.99	7,744.58	7,659.40	85.18	90.917		
13,900.00	6,227.00	10,816.00	6,304.53	141.53	82.16	95.25	-70.80	3,241.99	7,844.07	7,758.89	85.18	92.087		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE T-P-36HNB - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 510-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	6,227.00	10,816.00	6,304.53	143.21	82.16	95.25	-70.80	3,241.99	7,943.56	7,858.38	85.18	93.255		
14,100.00	6,227.00	10,816.00	6,304.53	144.89	82.16	95.25	-70.80	3,241.99	8,043.07	7,957.89	85.18	94.422		
14,200.00	6,227.00	10,816.00	6,304.53	146.58	82.16	95.25	-70.80	3,241.99	8,142.59	8,057.41	85.18	95.587		
14,300.00	6,227.00	10,816.00	6,304.53	148.26	82.16	95.25	-70.80	3,241.99	8,242.12	8,156.93	85.19	96.752		
14,400.00	6,227.00	10,816.00	6,304.53	149.96	82.16	95.25	-70.80	3,241.99	8,341.66	8,256.47	85.19	97.915		
14,500.00	6,227.00	10,816.00	6,304.53	151.65	82.16	95.25	-70.80	3,241.99	8,441.22	8,356.02	85.20	99.076		
14,600.00	6,227.00	10,816.00	6,304.53	153.34	82.16	95.25	-70.80	3,241.99	8,540.78	8,455.58	85.21	100.236		
14,700.00	6,227.00	10,816.00	6,304.53	155.04	82.16	95.25	-70.80	3,241.99	8,640.36	8,555.14	85.21	101.395		
14,800.00	6,227.00	10,816.00	6,304.53	156.74	82.16	95.25	-70.80	3,241.99	8,739.94	8,654.72	85.22	102.553		
14,900.00	6,227.00	10,816.00	6,304.53	158.44	82.16	95.25	-70.80	3,241.99	8,839.53	8,754.30	85.23	103.709		
15,000.00	6,227.00	10,816.00	6,304.53	160.14	82.16	95.25	-70.80	3,241.99	8,939.14	8,853.89	85.25	104.864		
15,100.00	6,227.00	10,816.00	6,304.53	161.85	82.16	95.25	-70.80	3,241.99	9,038.75	8,953.49	85.26	106.017		
15,200.00	6,227.00	10,816.00	6,304.53	163.56	82.16	95.25	-70.80	3,241.99	9,138.37	9,053.10	85.27	107.170		
15,300.00	6,227.00	10,816.00	6,304.53	165.26	82.16	95.25	-70.80	3,241.99	9,237.99	9,152.71	85.28	108.320		
15,400.00	6,227.00	10,816.00	6,304.53	166.97	82.16	95.25	-70.80	3,241.99	9,337.63	9,252.33	85.30	109.470		
15,500.00	6,227.00	10,816.00	6,304.53	168.68	82.16	95.25	-70.80	3,241.99	9,437.27	9,351.96	85.31	110.617		
15,600.00	6,227.00	10,816.00	6,304.53	170.40	82.16	95.25	-70.80	3,241.99	9,536.92	9,451.59	85.33	111.764		
15,700.00	6,227.00	10,816.00	6,304.53	172.11	82.16	95.25	-70.80	3,241.99	9,636.58	9,551.23	85.35	112.909		
15,800.00	6,227.00	10,816.00	6,304.53	173.83	82.16	95.25	-70.80	3,241.99	9,736.25	9,650.88	85.37	114.052		
15,900.00	6,227.00	10,816.00	6,304.53	175.54	82.16	95.25	-70.80	3,241.99	9,835.92	9,750.53	85.39	115.195		
16,000.00	6,227.00	10,816.00	6,304.53	177.26	82.16	95.25	-70.80	3,241.99	9,935.60	9,850.19	85.40	116.335		
16,100.00	6,227.00	10,816.00	6,304.53	178.98	82.16	95.25	-70.80	3,241.99	10,035.28	9,949.86	85.43	117.474		

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE Y44-U41-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 513-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4.93	4.93	0.00	0.01	142.34	-4,415.18	3,407.44	5,577.14				
100.00	100.00	103.47	103.47	0.27	0.18	142.34	-4,415.22	3,407.41	5,577.15	5,576.70	0.45	N/A	
200.00	200.00	202.01	202.01	0.63	0.35	142.34	-4,415.35	3,407.31	5,577.19	5,576.21	0.98	5,704.559	
300.00	300.00	300.56	300.56	0.99	0.52	142.35	-4,415.55	3,407.16	5,577.26	5,575.75	1.51	3,700.794	
400.00	400.00	399.10	399.10	1.34	0.69	142.35	-4,415.83	3,406.95	5,577.35	5,575.32	2.04	2,738.811	
500.00	499.98	497.61	497.61	1.70	0.86	60.33	-4,416.19	3,406.67	5,576.61	5,574.05	2.56	2,179.061	
600.00	599.84	513.00	513.00	2.05	0.89	60.37	-4,416.25	3,406.63	5,574.79	5,571.85	2.94	1,898.018	
700.00	699.45	513.00	513.00	2.41	0.89	60.40	-4,416.25	3,406.63	5,573.02	5,569.72	3.30	1,689.571	
800.00	798.70	557.13	557.12	2.79	1.05	60.49	-4,416.97	3,407.35	5,570.20	5,566.37	3.83	1,455.699	
900.00	897.47	604.00	603.86	3.19	1.22	60.59	-4,418.90	3,409.99	5,568.21	5,563.84	4.38	1,272.177	
1,000.00	995.62	604.00	603.86	3.62	1.22	60.65	-4,418.90	3,409.99	5,565.05	5,560.26	4.79	1,162.569	
1,100.00	1,093.06	604.00	603.86	4.09	1.22	60.70	-4,418.90	3,409.99	5,561.96	5,556.74	5.22	1,064.580	
1,200.00	1,189.64	668.19	667.75	4.59	1.45	60.89	-4,422.44	3,415.12	5,558.42	5,552.51	5.92	939.223	
1,300.00	1,285.27	744.58	743.73	5.14	1.73	61.15	-4,426.82	3,421.65	5,553.77	5,547.07	6.70	829.152	
1,400.00	1,379.82	787.00	785.92	5.74	1.88	61.36	-4,429.29	3,425.39	5,547.97	5,540.57	7.40	749.996	
1,500.00	1,473.17	838.96	837.54	6.40	2.09	61.62	-4,432.76	3,430.10	5,541.44	5,533.25	8.19	677.022	
1,600.00	1,565.21	879.00	877.27	7.12	2.24	61.88	-4,436.06	3,433.86	5,534.53	5,525.55	8.98	616.298	
1,614.66	1,578.59	879.00	877.27	7.23	2.24	61.90	-4,436.06	3,433.86	5,533.48	5,524.40	9.08	609.417	
1,700.00	1,656.38	971.00	968.51	7.88	2.61	62.22	-4,443.92	3,442.63	5,527.16	5,517.14	10.02	551.883	
1,800.00	1,747.52	1,010.24	1,007.41	8.67	2.78	62.36	-4,447.30	3,446.57	5,520.42	5,509.55	10.87	507.646	
1,900.00	1,838.67	1,063.00	1,059.58	9.47	3.00	62.54	-4,452.42	3,452.51	5,515.07	5,503.28	11.80	467.419	
2,000.00	1,929.81	1,128.21	1,123.99	10.28	3.27	62.77	-4,458.98	3,460.27	5,510.59	5,497.81	12.79	430.953	
2,100.00	2,020.96	1,188.47	1,183.53	11.10	3.54	62.97	-4,464.81	3,467.52	5,506.35	5,492.58	13.77	400.004	
2,200.00	2,112.10	1,245.00	1,239.25	11.92	3.78	63.16	-4,470.57	3,475.14	5,503.25	5,488.51	14.74	373.366	
2,300.00	2,203.25	1,295.52	1,288.97	12.75	4.01	63.33	-4,475.94	3,482.30	5,501.03	5,485.33	15.70	350.431	
2,400.00	2,294.39	10,918.00	6,370.89	13.59	82.74	21.87	-62.52	4,234.58	5,478.83	5,413.44	65.39	83.786	
2,500.00	2,385.54	10,918.00	6,370.89	14.43	82.74	21.87	-62.52	4,234.58	5,384.10	5,318.23	65.86	81.747	
2,600.00	2,476.68	10,918.00	6,370.89	15.27	82.74	21.87	-62.52	4,234.58	5,289.56	5,223.20	66.35	79.719	
2,700.00	2,567.83	10,918.00	6,370.89	16.11	82.74	21.87	-62.52	4,234.58	5,195.22	5,128.36	66.86	77.703	
2,800.00	2,658.97	10,918.00	6,370.89	16.96	82.74	21.87	-62.52	4,234.58	5,101.10	5,033.71	67.39	75.699	
2,900.00	2,750.12	10,918.00	6,370.89	17.80	82.74	21.87	-62.52	4,234.58	5,007.20	4,939.27	67.93	73.709	
3,000.00	2,841.26	10,918.00	6,370.89	18.65	82.74	21.87	-62.52	4,234.58	4,913.55	4,845.05	68.50	71.733	
3,100.00	2,932.41	10,918.00	6,370.89	19.50	82.74	21.87	-62.52	4,234.58	4,820.15	4,751.07	69.08	69.772	
3,200.00	3,023.55	10,918.00	6,370.89	20.35	82.74	21.87	-62.52	4,234.58	4,727.03	4,657.33	69.69	67.827	
3,300.00	3,114.70	10,918.00	6,370.89	21.21	82.74	21.87	-62.52	4,234.58	4,634.19	4,563.86	70.32	65.898	
3,400.00	3,205.84	10,918.00	6,370.89	22.06	82.74	21.87	-62.52	4,234.58	4,541.65	4,470.67	70.98	63.986	
3,500.00	3,296.99	10,918.00	6,370.89	22.92	82.74	21.87	-62.52	4,234.58	4,449.44	4,377.78	71.66	62.092	
3,600.00	3,388.13	10,918.00	6,370.89	23.77	82.74	21.87	-62.52	4,234.58	4,357.57	4,285.20	72.36	60.217	
3,700.00	3,479.28	10,918.00	6,370.89	24.63	82.74	21.87	-62.52	4,234.58	4,266.06	4,192.96	73.10	58.362	
3,800.00	3,570.42	10,918.00	6,370.89	25.48	82.74	21.87	-62.52	4,234.58	4,174.95	4,101.09	73.86	56.527	
3,900.00	3,661.57	10,918.00	6,370.89	26.34	82.74	21.87	-62.52	4,234.58	4,084.25	4,009.60	74.65	54.713	
4,000.00	3,752.71	10,918.00	6,370.89	27.20	82.74	21.87	-62.52	4,234.58	3,993.99	3,918.52	75.47	52.921	
4,100.00	3,843.86	10,918.00	6,370.89	28.05	82.74	21.87	-62.52	4,234.58	3,904.21	3,827.89	76.32	51.153	
4,200.00	3,935.00	10,918.00	6,370.89	28.91	82.74	21.87	-62.52	4,234.58	3,814.94	3,737.73	77.21	49.408	
4,300.00	4,026.15	10,918.00	6,370.89	29.77	82.74	21.87	-62.52	4,234.58	3,726.21	3,648.08	78.14	47.689	
4,400.00	4,117.29	10,918.00	6,370.89	30.63	82.74	21.87	-62.52	4,234.58	3,638.07	3,558.97	79.10	45.995	
4,500.00	4,208.44	10,918.00	6,370.89	31.49	82.74	21.87	-62.52	4,234.58	3,550.56	3,470.46	80.10	44.329	
4,600.00	4,299.58	10,918.00	6,370.89	32.35	82.74	21.87	-62.52	4,234.58	3,463.72	3,382.58	81.13	42.691	
4,700.00	4,390.73	10,918.00	6,370.89	33.21	82.74	21.87	-62.52	4,234.58	3,377.61	3,295.39	82.22	41.082	
4,800.00	4,481.88	10,918.00	6,370.89	34.07	82.74	21.87	-62.52	4,234.58	3,292.29	3,208.95	83.34	39.504	
4,900.00	4,573.02	10,918.00	6,370.89	34.93	82.74	21.87	-62.52	4,234.58	3,207.81	3,123.30	84.51	37.958	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE Y44-U41-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 513-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,664.17	10,918.00	6,370.89	35.79	82.74	21.87	-62.52	4,234.58	3,124.25	3,038.53	85.72	36.446	
5,100.00	4,755.31	10,918.00	6,370.89	36.65	82.74	21.87	-62.52	4,234.58	3,041.68	2,954.70	86.98	34.968	
5,200.00	4,846.46	10,918.00	6,370.89	37.51	82.74	21.87	-62.52	4,234.58	2,960.19	2,871.90	88.29	33.527	
5,300.00	4,937.60	10,918.00	6,370.89	38.37	82.74	21.87	-62.52	4,234.58	2,879.87	2,790.22	89.65	32.123	
5,400.00	5,028.75	10,918.00	6,370.89	39.23	82.74	21.87	-62.52	4,234.58	2,800.81	2,709.75	91.06	30.759	
5,500.00	5,119.89	10,918.00	6,370.89	40.09	82.74	21.87	-62.52	4,234.58	2,723.13	2,630.62	92.51	29.436	
5,600.00	5,211.04	10,918.00	6,370.89	40.96	82.74	21.87	-62.52	4,234.58	2,646.95	2,552.94	94.01	28.157	
5,700.00	5,302.18	10,918.00	6,370.89	41.82	82.74	21.87	-62.52	4,234.58	2,572.40	2,476.85	95.55	26.922	
5,800.00	5,393.33	10,918.00	6,370.89	42.68	82.74	21.87	-62.52	4,234.58	2,499.62	2,402.49	97.13	25.734	
5,900.00	5,484.47	10,918.00	6,370.89	43.54	82.74	21.87	-62.52	4,234.58	2,428.79	2,330.04	98.75	24.596	
6,000.00	5,575.62	10,918.00	6,370.89	44.40	82.74	21.87	-62.52	4,234.58	2,360.07	2,259.67	100.39	23.508	
6,100.00	5,666.76	10,918.00	6,370.89	45.26	82.74	21.87	-62.52	4,234.58	2,293.65	2,191.59	102.06	22.475	
6,175.79	5,735.84	10,918.00	6,370.89	45.92	82.74	21.87	-62.52	4,234.58	2,244.96	2,141.64	103.32	21.728	
6,200.00	5,757.87	10,918.00	6,370.89	46.13	82.74	28.97	-62.52	4,234.58	2,229.83	2,126.10	103.73	21.496	
6,250.00	5,803.02	10,918.00	6,370.89	46.56	82.74	42.52	-62.52	4,234.58	2,199.84	2,095.22	104.62	21.027	
6,300.00	5,847.42	10,918.00	6,370.89	46.99	82.74	54.26	-62.52	4,234.58	2,171.78	2,066.23	105.55	20.575	
6,350.00	5,890.72	10,918.00	6,370.89	47.41	82.74	64.10	-62.52	4,234.58	2,145.95	2,039.43	106.52	20.146	
6,400.00	5,932.60	10,918.00	6,370.89	47.83	82.74	72.19	-62.52	4,234.58	2,122.63	2,015.11	107.52	19.741	
6,450.00	5,972.74	10,918.00	6,370.89	48.23	82.74	78.79	-62.52	4,234.58	2,102.09	1,993.55	108.54	19.367	
6,500.00	6,010.83	10,918.00	6,370.89	48.61	82.74	84.11	-62.52	4,234.58	2,084.57	1,974.99	109.57	19.025	
6,550.00	6,046.58	10,918.00	6,370.89	48.98	82.74	88.37	-62.52	4,234.58	2,070.27	1,959.66	110.60	18.718	
6,600.00	6,079.73	10,918.00	6,370.89	49.33	82.74	91.72	-62.52	4,234.58	2,059.37	1,947.74	111.63	18.448	
6,650.00	6,110.01	10,918.00	6,370.89	49.67	82.74	94.29	-62.52	4,234.58	2,052.02	1,939.38	112.63	18.218	
6,700.00	6,137.21	10,918.00	6,370.89	49.98	82.74	96.18	-62.52	4,234.58	2,048.30	1,934.69	113.61	18.029	
6,725.45	6,149.79	10,918.00	6,370.89	50.13	82.74	96.90	-62.52	4,234.58	2,047.82	1,933.73	114.09	17.949 CC	
6,750.00	6,161.10	10,918.00	6,370.89	50.28	82.74	97.45	-62.52	4,234.58	2,048.27	1,933.73	114.54	17.882 ES	
6,800.00	6,181.52	10,918.00	6,370.89	50.55	82.74	98.14	-62.52	4,234.58	2,051.92	1,936.49	115.43	17.777	
6,850.00	6,198.29	10,918.00	6,370.89	50.81	82.74	98.30	-62.52	4,234.58	2,059.21	1,942.96	116.25	17.714	
6,900.00	6,211.31	10,918.00	6,370.89	51.05	82.74	97.94	-62.52	4,234.58	2,070.04	1,953.04	117.00	17.692 SF	
6,950.00	6,220.46	10,918.00	6,370.89	51.27	82.74	97.07	-62.52	4,234.58	2,084.28	1,966.60	117.69	17.711	
7,000.00	6,225.68	10,918.00	6,370.89	51.47	82.74	95.68	-62.52	4,234.58	2,101.75	1,983.46	118.29	17.768	
7,040.67	6,227.00	10,918.00	6,370.89	51.63	82.74	94.16	-62.52	4,234.58	2,118.20	1,999.48	118.72	17.842	
7,100.00	6,227.00	10,918.00	6,370.89	51.85	82.74	94.16	-62.52	4,234.58	2,144.26	2,024.97	119.29	17.975	
7,200.00	6,227.00	10,918.00	6,370.89	52.25	82.74	94.16	-62.52	4,234.58	2,191.13	2,070.98	120.15	18.237	
7,300.00	6,227.00	10,918.00	6,370.89	52.70	82.74	94.16	-62.52	4,234.58	2,241.47	2,120.60	120.88	18.543	
7,400.00	6,227.00	10,918.00	6,370.89	53.18	82.74	94.16	-62.52	4,234.58	2,295.08	2,173.60	121.48	18.893	
7,500.00	6,227.00	10,918.00	6,370.89	53.71	82.74	94.16	-62.52	4,234.58	2,351.71	2,229.75	121.96	19.283	
7,600.00	6,227.00	10,918.00	6,370.89	54.28	82.74	94.16	-62.52	4,234.58	2,411.17	2,288.84	122.33	19.711	
7,700.00	6,227.00	10,918.00	6,370.89	54.89	82.74	94.16	-62.52	4,234.58	2,473.23	2,350.64	122.59	20.174	
7,800.00	6,227.00	10,918.00	6,370.89	55.55	82.74	94.16	-62.52	4,234.58	2,537.73	2,414.96	122.77	20.670	
7,900.00	6,227.00	10,918.00	6,370.89	56.25	82.74	94.16	-62.52	4,234.58	2,604.46	2,481.60	122.87	21.197	
8,000.00	6,227.00	10,918.00	6,370.89	56.99	82.74	94.16	-62.52	4,234.58	2,673.28	2,550.38	122.89	21.753	
8,100.00	6,227.00	10,918.00	6,370.89	57.78	82.74	94.16	-62.52	4,234.58	2,744.01	2,621.15	122.86	22.334	
8,200.00	6,227.00	10,918.00	6,370.89	58.62	82.74	94.16	-62.52	4,234.58	2,816.51	2,693.74	122.78	22.940	
8,300.00	6,227.00	10,918.00	6,370.89	59.49	82.74	94.16	-62.52	4,234.58	2,890.66	2,768.02	122.65	23.569	
8,400.00	6,227.00	10,918.00	6,370.89	60.41	82.74	94.16	-62.52	4,234.58	2,966.33	2,843.85	122.48	24.219	
8,500.00	6,227.00	10,918.00	6,370.89	61.37	82.74	94.16	-62.52	4,234.58	3,043.40	2,921.12	122.28	24.888	
8,600.00	6,227.00	10,918.00	6,370.89	62.37	82.74	94.16	-62.52	4,234.58	3,121.77	2,999.71	122.06	25.576	
8,700.00	6,227.00	10,918.00	6,370.89	63.41	82.74	94.16	-62.52	4,234.58	3,201.35	3,079.53	121.81	26.281	
8,800.00	6,227.00	10,918.00	6,370.89	64.49	82.74	94.16	-62.52	4,234.58	3,282.04	3,160.49	121.55	27.001	
8,900.00	6,227.00	10,918.00	6,370.89	65.60	82.74	94.16	-62.52	4,234.58	3,363.77	3,242.49	121.28	27.735	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE Y44-U41-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 513-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	10,918.00	6,370.89	66.74	82.74	94.16	-62.52	4,234.58	3,446.47	3,325.47	121.00	28.484	
9,100.00	6,227.00	10,918.00	6,370.89	67.92	82.74	94.16	-62.52	4,234.58	3,530.06	3,409.35	120.71	29.245	
9,200.00	6,227.00	10,918.00	6,370.89	69.13	82.74	94.16	-62.52	4,234.58	3,614.48	3,494.07	120.41	30.017	
9,300.00	6,227.00	10,918.00	6,370.89	70.37	82.74	94.16	-62.52	4,234.58	3,699.68	3,579.57	120.12	30.801	
9,400.00	6,227.00	10,918.00	6,370.89	71.63	82.74	94.16	-62.52	4,234.58	3,785.61	3,665.79	119.82	31.595	
9,500.00	6,227.00	10,918.00	6,370.89	72.92	82.74	94.16	-62.52	4,234.58	3,872.21	3,752.69	119.52	32.398	
9,600.00	6,227.00	10,918.00	6,370.89	74.23	82.74	94.16	-62.52	4,234.58	3,959.44	3,840.22	119.22	33.210	
9,700.00	6,227.00	10,918.00	6,370.89	75.57	82.74	94.16	-62.52	4,234.58	4,047.26	3,928.33	118.93	34.031	
9,800.00	6,227.00	10,918.00	6,370.89	76.93	82.74	94.16	-62.52	4,234.58	4,135.64	4,017.00	118.64	34.859	
9,900.00	6,227.00	10,918.00	6,370.89	78.31	82.74	94.16	-62.52	4,234.58	4,224.53	4,106.18	118.35	35.695	
10,000.00	6,227.00	10,918.00	6,370.89	79.71	82.74	94.16	-62.52	4,234.58	4,313.91	4,195.85	118.07	36.538	
10,100.00	6,227.00	10,918.00	6,370.89	81.12	82.74	94.16	-62.52	4,234.58	4,403.75	4,285.96	117.79	37.387	
10,200.00	6,227.00	10,918.00	6,370.89	82.55	82.74	94.16	-62.52	4,234.58	4,494.02	4,376.50	117.52	38.241	
10,300.00	6,227.00	10,918.00	6,370.89	84.00	82.74	94.16	-62.52	4,234.58	4,584.69	4,467.44	117.25	39.102	
10,400.00	6,227.00	10,918.00	6,370.89	85.46	82.74	94.16	-62.52	4,234.58	4,675.74	4,558.75	116.99	39.968	
10,500.00	6,227.00	10,918.00	6,370.89	86.94	82.74	94.16	-62.52	4,234.58	4,767.15	4,650.42	116.73	40.838	
10,600.00	6,227.00	10,918.00	6,370.89	88.43	82.74	94.16	-62.52	4,234.58	4,858.90	4,742.41	116.48	41.714	
10,700.00	6,227.00	10,918.00	6,370.89	89.93	82.74	94.16	-62.52	4,234.58	4,950.96	4,834.73	116.24	42.593	
10,800.00	6,227.00	10,918.00	6,370.89	91.44	82.74	94.16	-62.52	4,234.58	5,043.33	4,927.33	116.00	43.477	
10,900.00	6,227.00	10,918.00	6,370.89	92.96	82.74	94.16	-62.52	4,234.58	5,135.99	5,020.22	115.77	44.364	
11,000.00	6,227.00	10,918.00	6,370.89	94.50	82.74	94.16	-62.52	4,234.58	5,228.92	5,113.37	115.54	45.255	
11,100.00	6,227.00	10,918.00	6,370.89	96.04	82.74	94.16	-62.52	4,234.58	5,322.10	5,206.78	115.32	46.149	
11,200.00	6,227.00	10,918.00	6,370.89	97.59	82.74	94.16	-62.52	4,234.58	5,415.53	5,300.42	115.11	47.047	
11,300.00	6,227.00	10,918.00	6,370.89	99.15	82.74	94.16	-62.52	4,234.58	5,509.18	5,394.28	114.90	47.947	
11,400.00	6,227.00	10,918.00	6,370.89	100.72	82.74	94.16	-62.52	4,234.58	5,603.06	5,488.36	114.70	48.850	
11,500.00	6,227.00	10,918.00	6,370.89	102.30	82.74	94.16	-62.52	4,234.58	5,697.14	5,582.64	114.50	49.756	
11,600.00	6,227.00	10,918.00	6,370.89	103.88	82.74	94.16	-62.52	4,234.58	5,791.42	5,677.12	114.31	50.664	
11,700.00	6,227.00	10,918.00	6,370.89	105.47	82.74	94.16	-62.52	4,234.58	5,885.90	5,771.77	114.12	51.575	
11,743.45	6,227.00	10,918.00	6,370.89	106.17	82.74	94.16	-62.52	4,234.58	5,927.00	5,812.96	114.04	51.971	
11,808.25	6,227.00	10,918.00	6,370.89	107.20	82.74	94.46	-62.52	4,234.58	5,988.59	5,874.66	113.93	52.563	
11,900.00	6,227.00	10,918.00	6,370.89	108.66	82.74	94.46	-62.52	4,234.58	6,076.23	5,962.45	113.78	53.404	
12,000.00	6,227.00	10,918.00	6,370.89	110.26	82.74	94.46	-62.52	4,234.58	6,171.87	6,058.26	113.62	54.322	
12,100.00	6,227.00	10,918.00	6,370.89	111.86	82.74	94.46	-62.52	4,234.58	6,267.66	6,154.20	113.46	55.241	
12,200.00	6,227.00	10,918.00	6,370.89	113.47	82.74	94.46	-62.52	4,234.58	6,363.57	6,250.27	113.31	56.161	
12,300.00	6,227.00	10,918.00	6,370.89	115.08	82.74	94.46	-62.52	4,234.58	6,459.61	6,346.45	113.16	57.083	
12,400.00	6,227.00	10,918.00	6,370.89	116.70	82.74	94.46	-62.52	4,234.58	6,555.77	6,442.75	113.02	58.006	
12,500.00	6,227.00	10,918.00	6,370.89	118.33	82.74	94.46	-62.52	4,234.58	6,652.04	6,539.16	112.88	58.931	
12,600.00	6,227.00	10,918.00	6,370.89	119.96	82.74	94.46	-62.52	4,234.58	6,748.42	6,635.67	112.74	59.856	
12,700.00	6,227.00	10,918.00	6,370.89	121.60	82.74	94.46	-62.52	4,234.58	6,844.90	6,732.29	112.61	60.782	
12,800.00	6,227.00	10,918.00	6,370.89	123.24	82.74	94.46	-62.52	4,234.58	6,941.48	6,829.00	112.49	61.709	
12,900.00	6,227.00	10,918.00	6,370.89	124.88	82.74	94.46	-62.52	4,234.58	7,038.16	6,925.80	112.36	62.637	
13,000.00	6,227.00	10,918.00	6,370.89	126.53	82.74	94.46	-62.52	4,234.58	7,134.93	7,022.69	112.25	63.565	
13,100.00	6,227.00	10,918.00	6,370.89	128.18	82.74	94.46	-62.52	4,234.58	7,231.79	7,119.66	112.13	64.494	
13,200.00	6,227.00	10,918.00	6,370.89	129.84	82.74	94.46	-62.52	4,234.58	7,328.73	7,216.71	112.02	65.424	
13,300.00	6,227.00	10,918.00	6,370.89	131.50	82.74	94.46	-62.52	4,234.58	7,425.75	7,313.84	111.91	66.355	
13,400.00	6,227.00	10,918.00	6,370.89	133.16	82.74	94.46	-62.52	4,234.58	7,522.85	7,411.05	111.81	67.285	
13,500.00	6,227.00	10,918.00	6,370.89	134.83	82.74	94.46	-62.52	4,234.58	7,620.03	7,508.33	111.70	68.217	
13,600.00	6,227.00	10,918.00	6,370.89	136.50	82.74	94.46	-62.52	4,234.58	7,717.28	7,605.67	111.60	69.148	
13,700.00	6,227.00	10,918.00	6,370.89	138.17	82.74	94.46	-62.52	4,234.58	7,814.59	7,703.09	111.51	70.081	
13,800.00	6,227.00	10,918.00	6,370.89	139.85	82.74	94.46	-62.52	4,234.58	7,911.98	7,800.56	111.42	71.013	
13,900.00	6,227.00	10,918.00	6,370.89	141.53	82.74	94.46	-62.52	4,234.58	8,009.43	7,898.10	111.33	71.946	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE Y44-U41-36HNC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 513-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.00	6,227.00	10,918.00	6,370.89	143.21	82.74	94.46	-62.52	4,234.58	8,106.94	7,995.70	111.24	72.879	
14,100.00	6,227.00	10,918.00	6,370.89	144.89	82.74	94.46	-62.52	4,234.58	8,204.51	8,093.35	111.15	73.812	
14,200.00	6,227.00	10,918.00	6,370.89	146.58	82.74	94.46	-62.52	4,234.58	8,302.14	8,191.06	111.07	74.745	
14,300.00	6,227.00	10,918.00	6,370.89	148.26	82.74	94.46	-62.52	4,234.58	8,399.82	8,288.83	110.99	75.678	
14,400.00	6,227.00	10,918.00	6,370.89	149.96	82.74	94.46	-62.52	4,234.58	8,497.56	8,386.64	110.92	76.611	
14,500.00	6,227.00	10,918.00	6,370.89	151.65	82.74	94.46	-62.52	4,234.58	8,595.35	8,484.51	110.84	77.545	
14,600.00	6,227.00	10,918.00	6,370.89	153.34	82.74	94.46	-62.52	4,234.58	8,693.19	8,582.42	110.77	78.478	
14,700.00	6,227.00	10,918.00	6,370.89	155.04	82.74	94.46	-62.52	4,234.58	8,791.08	8,680.38	110.70	79.412	
14,800.00	6,227.00	10,918.00	6,370.89	156.74	82.74	94.46	-62.52	4,234.58	8,889.02	8,778.38	110.64	80.345	
14,900.00	6,227.00	10,918.00	6,370.89	158.44	82.74	94.46	-62.52	4,234.58	8,987.00	8,876.43	110.57	81.278	
15,000.00	6,227.00	10,918.00	6,370.89	160.14	82.74	94.46	-62.52	4,234.58	9,085.02	8,974.52	110.51	82.212	
15,100.00	6,227.00	10,918.00	6,370.89	161.85	82.74	94.46	-62.52	4,234.58	9,183.09	9,072.64	110.45	83.145	
15,200.00	6,227.00	10,918.00	6,370.89	163.56	82.74	94.46	-62.52	4,234.58	9,281.20	9,170.81	110.39	84.077	
15,300.00	6,227.00	10,918.00	6,370.89	165.26	82.74	94.46	-62.52	4,234.58	9,379.35	9,269.02	110.33	85.010	
15,400.00	6,227.00	10,918.00	6,370.89	166.97	82.74	94.46	-62.52	4,234.58	9,477.54	9,367.26	110.28	85.942	
15,500.00	6,227.00	10,918.00	6,370.89	168.68	82.74	94.46	-62.52	4,234.58	9,575.76	9,465.54	110.23	86.875	
15,600.00	6,227.00	10,918.00	6,370.89	170.40	82.74	94.46	-62.52	4,234.58	9,674.03	9,563.85	110.17	87.807	
15,700.00	6,227.00	10,918.00	6,370.89	172.11	82.74	94.46	-62.52	4,234.58	9,772.32	9,662.20	110.13	88.738	
15,800.00	6,227.00	10,918.00	6,370.89	173.83	82.74	94.46	-62.52	4,234.58	9,870.65	9,760.58	110.08	89.670	
15,900.00	6,227.00	10,918.00	6,370.89	175.54	82.74	94.46	-62.52	4,234.58	9,969.02	9,858.99	110.03	90.601	
16,000.00	6,227.00	10,918.00	6,370.89	177.26	82.74	94.46	-62.52	4,234.58	10,067.42	9,957.43	109.99	91.531	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE Y-U-36HC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 103-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
100.00	100.00	94.69	94.69	0.27	0.15	141.71	-4,313.21	3,404.71	5,495.08	5,494.66	0.42	N/A	
200.00	200.00	177.51	177.51	0.63	0.43	141.71	-4,313.40	3,404.86	5,495.37	5,494.31	1.06	5,206.021	
300.00	300.00	273.30	273.30	0.99	0.77	141.72	-4,313.88	3,404.97	5,495.84	5,494.09	1.76	3,131.306	
400.00	400.00	352.00	352.00	1.34	1.05	141.72	-4,314.51	3,405.10	5,496.57	5,494.17	2.39	2,295.324	
500.00	499.98	447.52	447.51	1.70	1.39	59.69	-4,315.60	3,405.33	5,496.73	5,493.64	3.09	1,780.202	
600.00	599.84	511.65	511.63	2.05	1.62	59.75	-4,316.40	3,405.46	5,495.27	5,491.61	3.67	1,498.453	
700.00	699.45	575.00	574.96	2.41	1.85	59.84	-4,317.37	3,406.72	5,493.15	5,488.90	4.25	1,291.857	
800.00	798.70	575.00	574.96	2.79	1.85	59.89	-4,317.37	3,406.72	5,490.23	5,485.61	4.62	1,187.592	
900.00	897.47	632.20	632.11	3.19	2.05	60.01	-4,318.47	3,409.08	5,486.60	5,481.39	5.21	1,052.275	
1,000.00	995.62	668.00	667.83	3.62	2.18	60.13	-4,319.29	3,411.18	5,482.45	5,476.70	5.75	953.503	
1,100.00	1,093.06	706.15	705.87	4.09	2.32	60.28	-4,320.25	3,413.99	5,477.71	5,471.39	6.32	866.433	
1,200.00	1,189.64	761.00	760.45	4.59	2.52	60.47	-4,321.82	3,419.13	5,472.51	5,465.53	6.99	783.333	
1,300.00	1,285.27	761.00	760.45	5.14	2.52	60.57	-4,321.82	3,419.13	5,466.66	5,459.17	7.49	729.904	
1,400.00	1,379.82	807.61	806.74	5.74	2.70	60.79	-4,323.58	3,424.28	5,460.31	5,452.11	8.21	665.305	
1,500.00	1,473.17	855.00	853.72	6.40	2.88	61.03	-4,326.05	3,430.00	5,453.66	5,444.69	8.97	607.673	
1,600.00	1,565.21	855.00	853.72	7.12	2.88	61.16	-4,326.05	3,430.00	5,446.52	5,436.90	9.62	566.268	
1,614.66	1,578.59	881.54	880.00	7.23	2.98	61.26	-4,327.75	3,433.32	5,445.34	5,435.52	9.82	554.620	
1,700.00	1,656.38	917.09	915.18	7.88	3.13	61.38	-4,330.37	3,437.73	5,439.32	5,428.79	10.54	516.116	
1,800.00	1,747.52	948.00	945.74	8.67	3.25	61.48	-4,332.97	3,441.53	5,433.33	5,421.97	11.36	478.316	
1,900.00	1,838.67	989.13	986.34	9.47	3.42	61.62	-4,336.74	3,446.91	5,428.52	5,416.28	12.24	443.642	
2,000.00	1,929.81	1,039.00	1,035.41	10.28	3.63	61.78	-4,341.59	3,454.39	5,425.07	5,411.91	13.16	412.337	
2,100.00	2,020.96	1,068.34	1,064.21	11.10	3.76	61.87	-4,344.55	3,459.15	5,422.67	5,408.66	14.01	387.075	
2,200.00	2,112.10	1,130.00	1,124.66	11.92	4.03	62.06	-4,350.88	3,469.51	5,421.19	5,406.20	15.00	361.487	
2,300.00	2,203.25	1,603.00	1,586.63	12.75	6.25	63.20	-4,370.68	3,567.62	5,418.83	5,401.06	17.77	304.977	
2,400.00	2,294.39	1,660.82	1,643.30	13.59	6.52	63.33	-4,370.70	3,579.08	5,411.23	5,392.44	18.79	287.954	
2,500.00	2,385.54	1,710.76	1,692.11	14.43	6.76	63.44	-4,371.07	3,589.65	5,404.81	5,385.02	19.79	273.120	
2,600.00	2,476.68	1,773.00	1,752.83	15.27	7.06	63.57	-4,371.59	3,603.30	5,399.07	5,378.22	20.85	258.961	
2,700.00	2,567.83	1,813.74	1,792.53	16.11	7.27	63.66	-4,372.20	3,612.45	5,394.28	5,372.46	21.82	247.250	
2,800.00	2,658.97	1,858.00	1,835.61	16.96	7.49	63.76	-4,373.51	3,622.51	5,390.71	5,367.90	22.80	236.396	
2,900.00	2,750.12	10,918.00	6,467.11	17.80	82.06	20.25	-56.89	4,551.34	5,299.61	5,231.77	67.84	78.118	
3,000.00	2,841.26	10,918.00	6,467.11	18.65	82.06	20.25	-56.89	4,551.34	5,207.01	5,138.59	68.42	76.103	
3,100.00	2,932.41	10,918.00	6,467.11	19.50	82.06	20.25	-56.89	4,551.34	5,114.68	5,045.66	69.02	74.105	
3,200.00	3,023.55	10,918.00	6,467.11	20.35	82.06	20.25	-56.89	4,551.34	5,022.65	4,953.01	69.64	72.123	
3,300.00	3,114.70	10,918.00	6,467.11	21.21	82.06	20.25	-56.89	4,551.34	4,930.92	4,860.64	70.28	70.160	
3,400.00	3,205.84	10,918.00	6,467.11	22.06	82.06	20.25	-56.89	4,551.34	4,839.53	4,768.58	70.95	68.215	
3,500.00	3,296.99	10,918.00	6,467.11	22.92	82.06	20.25	-56.89	4,551.34	4,748.48	4,676.85	71.63	66.289	
3,600.00	3,388.13	10,918.00	6,467.11	23.77	82.06	20.25	-56.89	4,551.34	4,657.80	4,585.45	72.34	64.384	
3,700.00	3,479.28	10,918.00	6,467.11	24.63	82.06	20.25	-56.89	4,551.34	4,567.51	4,494.43	73.08	62.500	
3,800.00	3,570.42	10,918.00	6,467.11	25.48	82.06	20.25	-56.89	4,551.34	4,477.63	4,403.78	73.84	60.637	
3,900.00	3,661.57	10,918.00	6,467.11	26.34	82.06	20.25	-56.89	4,551.34	4,388.18	4,313.55	74.63	58.797	
4,000.00	3,752.71	10,918.00	6,467.11	27.20	82.06	20.25	-56.89	4,551.34	4,299.21	4,223.76	75.45	56.980	
4,100.00	3,843.86	10,918.00	6,467.11	28.05	82.06	20.25	-56.89	4,551.34	4,210.73	4,134.43	76.30	55.188	
4,200.00	3,935.00	10,918.00	6,467.11	28.91	82.06	20.25	-56.89	4,551.34	4,122.77	4,045.60	77.18	53.421	
4,300.00	4,026.15	10,918.00	6,467.11	29.77	82.06	20.25	-56.89	4,551.34	4,035.38	3,957.29	78.08	51.679	
4,400.00	4,117.29	10,918.00	6,467.11	30.63	82.06	20.25	-56.89	4,551.34	3,948.58	3,869.55	79.03	49.965	
4,500.00	4,208.44	10,918.00	6,467.11	31.49	82.06	20.25	-56.89	4,551.34	3,862.42	3,782.42	80.00	48.279	
4,600.00	4,299.58	10,918.00	6,467.11	32.35	82.06	20.25	-56.89	4,551.34	3,776.95	3,695.94	81.01	46.622	
4,700.00	4,390.73	10,918.00	6,467.11	33.21	82.06	20.25	-56.89	4,551.34	3,692.20	3,610.14	82.06	44.994	
4,800.00	4,481.88	10,918.00	6,467.11	34.07	82.06	20.25	-56.89	4,551.34	3,608.24	3,525.10	83.14	43.398	
4,900.00	4,573.02	10,918.00	6,467.11	34.93	82.06	20.25	-56.89	4,551.34	3,525.11	3,440.85	84.27	41.833	
5,000.00	4,664.17	10,918.00	6,467.11	35.79	82.06	20.25	-56.89	4,551.34	3,442.88	3,357.46	85.43	40.303	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE Y-U-36HC - OWB - FINAL SURVEY													Offset Site Error: 0.00 usft	
Survey Program: 103-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,755.31	10,918.00	6,467.11	36.65	82.06	20.25	-56.89	4,551.34	3,361.62	3,274.99	86.63	38.806		
5,200.00	4,846.46	10,918.00	6,467.11	37.51	82.06	20.25	-56.89	4,551.34	3,281.39	3,193.52	87.87	37.345		
5,300.00	4,937.60	10,918.00	6,467.11	38.37	82.06	20.25	-56.89	4,551.34	3,202.27	3,113.12	89.15	35.922		
5,400.00	5,028.75	10,918.00	6,467.11	39.23	82.06	20.25	-56.89	4,551.34	3,124.35	3,033.88	90.47	34.536		
5,500.00	5,119.89	10,918.00	6,467.11	40.09	82.06	20.25	-56.89	4,551.34	3,047.72	2,955.89	91.82	33.191		
5,600.00	5,211.04	10,918.00	6,467.11	40.96	82.06	20.25	-56.89	4,551.34	2,972.47	2,879.25	93.22	31.886		
5,700.00	5,302.18	10,918.00	6,467.11	41.82	82.06	20.25	-56.89	4,551.34	2,898.73	2,804.07	94.65	30.625		
5,800.00	5,393.33	10,918.00	6,467.11	42.68	82.06	20.25	-56.89	4,551.34	2,826.60	2,730.48	96.12	29.407		
5,900.00	5,484.47	10,918.00	6,467.11	43.54	82.06	20.25	-56.89	4,551.34	2,756.21	2,658.59	97.61	28.236		
6,000.00	5,575.62	10,918.00	6,467.11	44.40	82.06	20.25	-56.89	4,551.34	2,687.69	2,588.56	99.13	27.112		
6,100.00	5,666.76	10,918.00	6,467.11	45.26	82.06	20.25	-56.89	4,551.34	2,621.21	2,520.53	100.67	26.037		
6,175.79	5,735.84	10,918.00	6,467.11	45.92	82.06	20.25	-56.89	4,551.34	2,572.26	2,470.41	101.85	25.256		
6,200.00	5,757.87	10,918.00	6,467.11	46.13	82.06	27.39	-56.89	4,551.34	2,556.99	2,454.76	102.23	25.012		
6,250.00	5,803.02	10,918.00	6,467.11	46.56	82.06	41.05	-56.89	4,551.34	2,526.56	2,423.50	103.07	24.514		
6,300.00	5,847.42	10,918.00	6,467.11	46.99	82.06	52.92	-56.89	4,551.34	2,497.87	2,393.92	103.95	24.029		
6,350.00	5,890.72	10,918.00	6,467.11	47.41	82.06	62.92	-56.89	4,551.34	2,471.18	2,366.30	104.88	23.561		
6,400.00	5,932.60	10,918.00	6,467.11	47.83	82.06	71.18	-56.89	4,551.34	2,446.78	2,340.93	105.85	23.115		
6,450.00	5,972.74	10,918.00	6,467.11	48.23	82.06	77.95	-56.89	4,551.34	2,424.93	2,318.07	106.86	22.693		
6,500.00	6,010.83	10,918.00	6,467.11	48.61	82.06	83.45	-56.89	4,551.34	2,405.85	2,297.96	107.89	22.300		
6,550.00	6,046.58	10,918.00	6,467.11	48.98	82.06	87.89	-56.89	4,551.34	2,389.76	2,280.83	108.93	21.938		
6,600.00	6,079.73	10,918.00	6,467.11	49.33	82.06	91.43	-56.89	4,551.34	2,376.85	2,266.86	109.99	21.610		
6,650.00	6,110.01	10,918.00	6,467.11	49.67	82.06	94.20	-56.89	4,551.34	2,367.28	2,256.23	111.05	21.318		
6,700.00	6,137.21	10,918.00	6,467.11	49.98	82.06	96.29	-56.89	4,551.34	2,361.14	2,249.04	112.10	21.064		
6,750.00	6,161.10	10,918.00	6,467.11	50.28	82.06	97.77	-56.89	4,551.34	2,358.52	2,245.39	113.12	20.849		
6,762.00	6,166.33	10,918.00	6,467.11	50.34	82.06	98.04	-56.89	4,551.34	2,358.41	2,245.05	113.37	20.804 CC, ES		
6,800.00	6,181.52	10,918.00	6,467.11	50.55	82.06	98.69	-56.89	4,551.34	2,359.44	2,245.32	114.12	20.675		
6,850.00	6,198.29	10,918.00	6,467.11	50.81	82.06	99.10	-56.89	4,551.34	2,363.90	2,248.83	115.08	20.542		
6,900.00	6,211.31	10,918.00	6,467.11	51.05	82.06	99.00	-56.89	4,551.34	2,371.85	2,255.86	115.98	20.450		
6,950.00	6,220.46	10,918.00	6,467.11	51.27	82.06	98.41	-56.89	4,551.34	2,383.18	2,266.35	116.83	20.399		
7,000.00	6,225.68	10,918.00	6,467.11	51.47	82.06	97.34	-56.89	4,551.34	2,397.76	2,280.15	117.61	20.387 SF		
7,040.67	6,227.00	10,918.00	6,467.11	51.63	82.06	96.09	-56.89	4,551.34	2,411.91	2,293.72	118.20	20.406		
7,100.00	6,227.00	10,918.00	6,467.11	51.85	82.06	96.09	-56.89	4,551.34	2,434.61	2,315.62	118.99	20.460		
7,200.00	6,227.00	10,918.00	6,467.11	52.25	82.06	96.09	-56.89	4,551.34	2,475.62	2,355.36	120.27	20.584		
7,300.00	6,227.00	10,918.00	6,467.11	52.70	82.06	96.09	-56.89	4,551.34	2,519.94	2,398.50	121.44	20.751		
7,400.00	6,227.00	10,918.00	6,467.11	53.18	82.06	96.09	-56.89	4,551.34	2,567.38	2,444.89	122.50	20.959		
7,500.00	6,227.00	10,918.00	6,467.11	53.71	82.06	96.09	-56.89	4,551.34	2,617.79	2,494.34	123.45	21.206		
7,600.00	6,227.00	10,918.00	6,467.11	54.28	82.06	96.09	-56.89	4,551.34	2,670.99	2,546.70	124.29	21.490		
7,700.00	6,227.00	10,918.00	6,467.11	54.89	82.06	96.09	-56.89	4,551.34	2,726.83	2,601.80	125.03	21.809		
7,800.00	6,227.00	10,918.00	6,467.11	55.55	82.06	96.09	-56.89	4,551.34	2,785.13	2,659.46	125.67	22.162		
7,900.00	6,227.00	10,918.00	6,467.11	56.25	82.06	96.09	-56.89	4,551.34	2,845.76	2,719.53	126.22	22.546		
8,000.00	6,227.00	10,918.00	6,467.11	56.99	82.06	96.09	-56.89	4,551.34	2,908.56	2,781.87	126.68	22.959		
8,100.00	6,227.00	10,918.00	6,467.11	57.78	82.06	96.09	-56.89	4,551.34	2,973.39	2,846.32	127.07	23.399		
8,200.00	6,227.00	10,918.00	6,467.11	58.62	82.06	96.09	-56.89	4,551.34	3,040.14	2,912.75	127.39	23.865		
8,300.00	6,227.00	10,918.00	6,467.11	59.49	82.06	96.09	-56.89	4,551.34	3,108.67	2,981.03	127.64	24.355		
8,400.00	6,227.00	10,918.00	6,467.11	60.41	82.06	96.09	-56.89	4,551.34	3,178.87	3,051.03	127.83	24.867		
8,500.00	6,227.00	10,918.00	6,467.11	61.37	82.06	96.09	-56.89	4,551.34	3,250.63	3,122.65	127.98	25.400		
8,600.00	6,227.00	10,918.00	6,467.11	62.37	82.06	96.09	-56.89	4,551.34	3,323.84	3,195.77	128.07	25.953		
8,700.00	6,227.00	10,918.00	6,467.11	63.41	82.06	96.09	-56.89	4,551.34	3,398.43	3,270.30	128.13	26.523		
8,800.00	6,227.00	10,918.00	6,467.11	64.49	82.06	96.09	-56.89	4,551.34	3,474.29	3,346.14	128.15	27.111		
8,900.00	6,227.00	10,918.00	6,467.11	65.60	82.06	96.09	-56.89	4,551.34	3,551.35	3,423.20	128.14	27.714		
9,000.00	6,227.00	10,918.00	6,467.11	66.74	82.06	96.09	-56.89	4,551.34	3,629.52	3,501.42	128.10	28.332		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE Y-U-36HC - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 103-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	10,918.00	6,467.11	67.92	82.06	96.09	-56.89	4,551.34	3,708.75	3,580.70	128.04	28.965		
9,200.00	6,227.00	10,918.00	6,467.11	69.13	82.06	96.09	-56.89	4,551.34	3,788.95	3,660.99	127.96	29.610		
9,300.00	6,227.00	10,918.00	6,467.11	70.37	82.06	96.09	-56.89	4,551.34	3,870.08	3,742.22	127.86	30.267		
9,400.00	6,227.00	10,918.00	6,467.11	71.63	82.06	96.09	-56.89	4,551.34	3,952.08	3,824.33	127.75	30.936		
9,500.00	6,227.00	10,918.00	6,467.11	72.92	82.06	96.09	-56.89	4,551.34	4,034.89	3,907.26	127.63	31.615		
9,600.00	6,227.00	10,918.00	6,467.11	74.23	82.06	96.09	-56.89	4,551.34	4,118.45	3,990.97	127.49	32.305		
9,700.00	6,227.00	10,918.00	6,467.11	75.57	82.06	96.09	-56.89	4,551.34	4,202.74	4,075.40	127.34	33.004		
9,800.00	6,227.00	10,918.00	6,467.11	76.93	82.06	96.09	-56.89	4,551.34	4,287.71	4,160.52	127.19	33.711		
9,900.00	6,227.00	10,918.00	6,467.11	78.31	82.06	96.09	-56.89	4,551.34	4,373.30	4,246.27	127.03	34.427		
10,000.00	6,227.00	10,918.00	6,467.11	79.71	82.06	96.09	-56.89	4,551.34	4,459.50	4,332.64	126.87	35.151		
10,100.00	6,227.00	10,918.00	6,467.11	81.12	82.06	96.09	-56.89	4,551.34	4,546.27	4,419.57	126.70	35.883		
10,200.00	6,227.00	10,918.00	6,467.11	82.55	82.06	96.09	-56.89	4,551.34	4,633.56	4,507.04	126.53	36.621		
10,300.00	6,227.00	10,918.00	6,467.11	84.00	82.06	96.09	-56.89	4,551.34	4,721.36	4,595.01	126.35	37.366		
10,400.00	6,227.00	10,918.00	6,467.11	85.46	82.06	96.09	-56.89	4,551.34	4,809.64	4,683.46	126.18	38.117		
10,500.00	6,227.00	10,918.00	6,467.11	86.94	82.06	96.09	-56.89	4,551.34	4,898.37	4,772.36	126.01	38.874		
10,600.00	6,227.00	10,918.00	6,467.11	88.43	82.06	96.09	-56.89	4,551.34	4,987.52	4,861.69	125.83	39.636		
10,700.00	6,227.00	10,918.00	6,467.11	89.93	82.06	96.09	-56.89	4,551.34	5,077.08	4,951.42	125.66	40.404		
10,800.00	6,227.00	10,918.00	6,467.11	91.44	82.06	96.09	-56.89	4,551.34	5,167.03	5,041.54	125.49	41.176		
10,900.00	6,227.00	10,918.00	6,467.11	92.96	82.06	96.09	-56.89	4,551.34	5,257.33	5,132.02	125.31	41.953		
11,000.00	6,227.00	10,918.00	6,467.11	94.50	82.06	96.09	-56.89	4,551.34	5,347.98	5,222.84	125.14	42.735		
11,100.00	6,227.00	10,918.00	6,467.11	96.04	82.06	96.09	-56.89	4,551.34	5,438.96	5,313.98	124.98	43.520		
11,200.00	6,227.00	10,918.00	6,467.11	97.59	82.06	96.09	-56.89	4,551.34	5,530.25	5,405.44	124.81	44.309		
11,300.00	6,227.00	10,918.00	6,467.11	99.15	82.06	96.09	-56.89	4,551.34	5,621.83	5,497.19	124.65	45.103		
11,400.00	6,227.00	10,918.00	6,467.11	100.72	82.06	96.09	-56.89	4,551.34	5,713.70	5,589.22	124.48	45.899		
11,500.00	6,227.00	10,918.00	6,467.11	102.30	82.06	96.09	-56.89	4,551.34	5,805.84	5,681.51	124.32	46.699		
11,600.00	6,227.00	10,918.00	6,467.11	103.88	82.06	96.09	-56.89	4,551.34	5,898.23	5,774.06	124.17	47.502		
11,700.00	6,227.00	10,918.00	6,467.11	105.47	82.06	96.09	-56.89	4,551.34	5,990.87	5,866.85	124.01	48.308		
11,743.45	6,227.00	10,918.00	6,467.11	106.17	82.06	96.09	-56.89	4,551.34	6,031.20	5,907.25	123.95	48.659		
11,808.25	6,227.00	10,918.00	6,467.11	107.20	82.06	96.46	-56.89	4,551.34	6,091.67	5,967.82	123.85	49.185		
11,900.00	6,227.00	10,918.00	6,467.11	108.66	82.06	96.46	-56.89	4,551.34	6,177.82	6,054.10	123.72	49.933		
12,000.00	6,227.00	10,918.00	6,467.11	110.26	82.06	96.46	-56.89	4,551.34	6,271.89	6,148.31	123.58	50.750		
12,100.00	6,227.00	10,918.00	6,467.11	111.86	82.06	96.46	-56.89	4,551.34	6,366.14	6,242.69	123.45	51.570		
12,200.00	6,227.00	10,918.00	6,467.11	113.47	82.06	96.46	-56.89	4,551.34	6,460.56	6,337.25	123.31	52.391		
12,300.00	6,227.00	10,918.00	6,467.11	115.08	82.06	96.46	-56.89	4,551.34	6,555.15	6,431.97	123.18	53.215		
12,400.00	6,227.00	10,918.00	6,467.11	116.70	82.06	96.46	-56.89	4,551.34	6,649.90	6,526.85	123.06	54.040		
12,500.00	6,227.00	10,918.00	6,467.11	118.33	82.06	96.46	-56.89	4,551.34	6,744.80	6,621.87	122.93	54.867		
12,600.00	6,227.00	10,918.00	6,467.11	119.96	82.06	96.46	-56.89	4,551.34	6,839.85	6,717.04	122.81	55.695		
12,700.00	6,227.00	10,918.00	6,467.11	121.60	82.06	96.46	-56.89	4,551.34	6,935.03	6,812.34	122.69	56.525		
12,800.00	6,227.00	10,918.00	6,467.11	123.24	82.06	96.46	-56.89	4,551.34	7,030.35	6,907.78	122.57	57.356		
12,900.00	6,227.00	10,918.00	6,467.11	124.88	82.06	96.46	-56.89	4,551.34	7,125.80	7,003.34	122.46	58.188		
13,000.00	6,227.00	10,918.00	6,467.11	126.53	82.06	96.46	-56.89	4,551.34	7,221.37	7,099.02	122.35	59.022		
13,100.00	6,227.00	10,918.00	6,467.11	128.18	82.06	96.46	-56.89	4,551.34	7,317.05	7,194.81	122.24	59.856		
13,200.00	6,227.00	10,918.00	6,467.11	129.84	82.06	96.46	-56.89	4,551.34	7,412.86	7,290.72	122.14	60.692		
13,300.00	6,227.00	10,918.00	6,467.11	131.50	82.06	96.46	-56.89	4,551.34	7,508.77	7,386.73	122.04	61.529		
13,400.00	6,227.00	10,918.00	6,467.11	133.16	82.06	96.46	-56.89	4,551.34	7,604.79	7,482.85	121.94	62.367		
13,500.00	6,227.00	10,918.00	6,467.11	134.83	82.06	96.46	-56.89	4,551.34	7,700.90	7,579.06	121.84	63.206		
13,600.00	6,227.00	10,918.00	6,467.11	136.50	82.06	96.46	-56.89	4,551.34	7,797.12	7,675.38	121.74	64.045		
13,700.00	6,227.00	10,918.00	6,467.11	138.17	82.06	96.46	-56.89	4,551.34	7,893.43	7,771.78	121.65	64.885		
13,800.00	6,227.00	10,918.00	6,467.11	139.85	82.06	96.46	-56.89	4,551.34	7,989.83	7,868.27	121.56	65.727		
13,900.00	6,227.00	10,918.00	6,467.11	141.53	82.06	96.46	-56.89	4,551.34	8,086.32	7,964.84	121.47	66.568		
14,000.00	6,227.00	10,918.00	6,467.11	143.21	82.06	96.46	-56.89	4,551.34	8,182.89	8,061.50	121.39	67.411		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE Y-U-36HC - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 103-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.00	6,227.00	10,918.00	6,467.11	144.89	82.06	96.46	-56.89	4,551.34	8,279.54	8,158.24	121.31	68.253	
14,200.00	6,227.00	10,918.00	6,467.11	146.58	82.06	96.46	-56.89	4,551.34	8,376.28	8,255.05	121.23	69.097	
14,300.00	6,227.00	10,918.00	6,467.11	148.26	82.06	96.46	-56.89	4,551.34	8,473.08	8,351.94	121.15	69.941	
14,400.00	6,227.00	10,918.00	6,467.11	149.96	82.06	96.46	-56.89	4,551.34	8,569.97	8,448.90	121.07	70.785	
14,500.00	6,227.00	10,918.00	6,467.11	151.65	82.06	96.46	-56.89	4,551.34	8,666.92	8,545.92	121.00	71.630	
14,600.00	6,227.00	10,918.00	6,467.11	153.34	82.06	96.46	-56.89	4,551.34	8,763.94	8,643.02	120.92	72.475	
14,700.00	6,227.00	10,918.00	6,467.11	155.04	82.06	96.46	-56.89	4,551.34	8,861.03	8,740.17	120.85	73.321	
14,800.00	6,227.00	10,918.00	6,467.11	156.74	82.06	96.46	-56.89	4,551.34	8,958.18	8,837.39	120.78	74.167	
14,900.00	6,227.00	10,918.00	6,467.11	158.44	82.06	96.46	-56.89	4,551.34	9,055.39	8,934.67	120.72	75.013	
15,000.00	6,227.00	10,918.00	6,467.11	160.14	82.06	96.46	-56.89	4,551.34	9,152.66	9,032.01	120.65	75.859	
15,100.00	6,227.00	10,918.00	6,467.11	161.85	82.06	96.46	-56.89	4,551.34	9,249.99	9,129.40	120.59	76.706	
15,200.00	6,227.00	10,918.00	6,467.11	163.56	82.06	96.46	-56.89	4,551.34	9,347.38	9,226.85	120.53	77.552	
15,300.00	6,227.00	10,918.00	6,467.11	165.26	82.06	96.46	-56.89	4,551.34	9,444.82	9,324.35	120.47	78.399	
15,400.00	6,227.00	10,918.00	6,467.11	166.97	82.06	96.46	-56.89	4,551.34	9,542.32	9,421.91	120.41	79.246	
15,500.00	6,227.00	10,918.00	6,467.11	168.68	82.06	96.46	-56.89	4,551.34	9,639.87	9,519.51	120.36	80.093	
15,600.00	6,227.00	10,918.00	6,467.11	170.40	82.06	96.46	-56.89	4,551.34	9,737.46	9,617.16	120.30	80.940	
15,700.00	6,227.00	10,918.00	6,467.11	172.11	82.06	96.46	-56.89	4,551.34	9,835.11	9,714.85	120.25	81.788	
15,800.00	6,227.00	10,918.00	6,467.11	173.83	82.06	96.46	-56.89	4,551.34	9,932.80	9,812.60	120.20	82.635	
15,900.00	6,227.00	10,918.00	6,467.11	175.54	82.06	96.46	-56.89	4,551.34	10,030.53	9,910.38	120.15	83.482	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - SI VERT 70 RANCH USX BB 25-04 (GYRO) - OWB - GYRO SURVEY												Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-0.89	5,085.76	-79.41	5,086.38				
100.00	100.00	111.97	111.97	0.27	0.23	-0.89	5,085.54	-78.70	5,086.18	5,085.69	0.50	N/A	
200.00	200.00	214.62	214.61	0.63	0.59	-0.88	5,085.15	-77.73	5,085.79	5,084.57	1.22	4,182.536	
300.00	300.00	318.62	318.61	0.99	0.95	-0.87	5,084.66	-77.41	5,085.31	5,083.38	1.93	2,629.411	
400.00	400.00	414.69	414.68	1.34	1.28	-0.87	5,084.21	-77.31	5,084.84	5,082.21	2.63	1,935.939	
500.00	499.98	507.63	507.61	1.70	1.61	-82.95	5,083.87	-77.21	5,084.27	5,080.96	3.30	1,539.316	
600.00	599.84	600.00	599.99	2.05	1.93	-83.02	5,083.70	-77.22	5,083.44	5,079.46	3.98	1,277.997	
700.00	699.45	690.59	690.58	2.41	2.24	-83.13	5,083.68	-77.37	5,082.36	5,077.70	4.66	1,091.438	
800.00	798.70	793.74	793.73	2.79	2.60	-83.30	5,083.68	-77.68	5,080.91	5,075.52	5.40	941.772	
900.00	897.47	890.93	890.92	3.19	2.94	-83.51	5,083.65	-77.95	5,079.07	5,072.93	6.13	827.918	
1,000.00	995.62	981.66	981.65	3.62	3.26	-83.75	5,083.69	-78.20	5,076.97	5,070.09	6.88	737.963	
1,100.00	1,093.06	1,072.40	1,072.39	4.09	3.58	-84.03	5,083.87	-78.65	5,074.73	5,067.07	7.66	662.598	
1,200.00	1,189.64	1,156.95	1,156.93	4.59	3.87	-84.32	5,084.17	-78.94	5,072.39	5,063.94	8.46	599.830	
1,300.00	1,285.27	1,242.40	1,242.39	5.14	4.17	-84.65	5,084.71	-78.91	5,070.11	5,060.81	9.30	544.987	
1,400.00	1,379.82	1,340.28	1,340.26	5.74	4.51	-85.06	5,085.41	-79.21	5,067.80	5,057.55	10.25	494.655	
1,500.00	1,473.17	1,431.07	1,431.04	6.40	4.83	-85.47	5,085.92	-79.08	5,065.24	5,054.02	11.22	451.478	
1,600.00	1,565.21	1,500.00	1,499.97	7.12	5.07	-85.82	5,086.60	-78.89	5,063.06	5,050.88	12.18	415.745	
1,614.66	1,578.59	1,515.56	1,515.53	7.23	5.12	-85.90	5,086.79	-78.85	5,062.78	5,050.43	12.34	410.178	
1,700.00	1,656.38	1,639.75	1,639.72	7.88	5.55	-86.47	5,087.49	-78.25	5,060.67	5,047.23	13.43	376.736	
1,800.00	1,747.52	1,733.96	1,733.93	8.67	5.88	-86.90	5,087.69	-77.41	5,058.21	5,043.67	14.55	347.670	
1,900.00	1,838.67	1,854.95	1,854.90	9.47	6.31	-87.44	5,087.82	-75.92	5,056.02	5,040.24	15.77	320.564	
2,000.00	1,929.81	1,962.95	1,962.89	10.28	6.68	-87.93	5,087.09	-74.34	5,053.31	5,036.35	16.96	297.932	
2,100.00	2,020.96	2,043.22	2,043.15	11.10	6.97	-88.29	5,086.70	-72.71	5,051.07	5,033.01	18.06	279.634	
2,200.00	2,112.10	2,123.08	2,122.98	11.92	7.25	-88.64	5,086.52	-70.87	5,049.35	5,030.18	19.17	263.394	
2,300.00	2,203.25	2,200.00	2,199.88	12.75	7.52	-88.99	5,086.53	-69.20	5,048.17	5,027.90	20.27	249.022	
2,400.00	2,294.39	2,276.63	2,276.50	13.59	7.79	-89.33	5,086.75	-67.72	5,047.56	5,026.19	21.38	236.138	
2,451.39	2,341.23	2,316.50	2,316.37	14.02	7.93	-89.51	5,086.96	-67.02	5,047.49	5,025.55	21.95	229.999	
2,500.00	2,385.54	2,356.36	2,356.21	14.43	8.07	-89.69	5,087.21	-66.41	5,047.55	5,025.06	22.49	224.414	
2,600.00	2,476.68	2,443.01	2,442.86	15.27	8.37	-90.08	5,087.80	-65.38	5,048.02	5,024.38	23.63	213.586	
2,700.00	2,567.83	2,535.33	2,535.17	16.11	8.69	-90.50	5,088.41	-64.51	5,048.82	5,024.02	24.80	203.596	
2,800.00	2,658.97	2,627.55	2,627.39	16.96	9.01	-90.92	5,089.00	-63.74	5,049.92	5,023.96	25.96	194.507	
2,900.00	2,750.12	2,722.50	2,722.33	17.80	9.35	-91.36	5,089.60	-62.87	5,051.34	5,024.20	27.14	186.139	
3,000.00	2,841.26	2,831.72	2,831.54	18.65	9.73	-91.85	5,090.03	-61.88	5,052.86	5,024.50	28.36	178.153	
3,100.00	2,932.41	2,937.20	2,937.02	19.50	10.09	-92.34	5,090.05	-61.10	5,054.39	5,024.81	29.57	170.905	
3,200.00	3,023.55	3,026.88	3,026.70	20.35	10.41	-92.75	5,089.94	-60.38	5,056.11	5,025.38	30.73	164.529	
3,300.00	3,114.70	3,100.00	3,099.82	21.21	10.66	-93.09	5,089.98	-59.98	5,058.35	5,026.53	31.83	158.924	
3,400.00	3,205.84	3,179.49	3,179.31	22.06	10.94	-93.46	5,090.14	-60.11	5,061.20	5,028.25	32.95	153.612	
3,500.00	3,296.99	3,257.58	3,257.39	22.92	11.21	-93.83	5,090.40	-60.84	5,064.63	5,030.57	34.06	148.694	
3,600.00	3,388.13	3,348.79	3,348.59	23.77	11.53	-94.26	5,090.85	-61.80	5,068.57	5,033.36	35.22	143.916	
3,700.00	3,479.28	3,438.90	3,438.70	24.63	11.85	-94.69	5,091.14	-62.85	5,072.74	5,036.37	36.37	139.469	
3,800.00	3,570.42	3,515.24	3,515.04	25.48	12.11	-95.04	5,091.69	-63.22	5,077.45	5,039.98	37.47	135.494	
3,900.00	3,661.57	3,600.00	3,599.79	26.34	12.41	-95.44	5,092.53	-63.68	5,082.75	5,044.15	38.60	131.665	
4,000.00	3,752.71	3,677.85	3,677.63	27.20	12.68	-95.80	5,093.38	-64.43	5,088.56	5,048.85	39.71	128.154	
4,100.00	3,843.86	3,766.30	3,766.07	28.05	12.99	-96.22	5,094.24	-65.90	5,094.78	5,053.93	40.85	124.731	
4,200.00	3,935.00	3,888.14	3,887.85	28.91	13.42	-96.82	5,094.68	-69.73	5,101.20	5,059.09	42.11	121.151	
4,300.00	4,026.15	4,045.30	4,044.93	29.77	13.97	-97.59	5,093.43	-74.42	5,106.87	5,063.38	43.49	117.433	
4,400.00	4,117.29	4,125.35	4,124.95	30.63	14.25	-97.98	5,092.44	-76.17	5,112.40	5,067.81	44.59	114.652	
4,500.00	4,208.44	4,174.15	4,173.74	31.49	14.42	-98.21	5,092.17	-77.28	5,118.88	5,073.30	45.58	112.309	
4,600.00	4,299.58	4,265.33	4,264.90	32.35	14.74	-98.64	5,092.35	-79.03	5,126.27	5,079.56	46.71	109.737	
4,700.00	4,390.73	4,365.82	4,365.38	33.21	15.09	-99.10	5,092.72	-79.06	5,133.62	5,085.74	47.88	107.216	
4,800.00	4,481.88	4,486.54	4,486.09	34.07	15.51	-99.63	5,093.48	-77.40	5,141.14	5,092.02	49.12	104.666	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - SI VERT 70 RANCH USX BB 25-04 (GYRO) - OWB - GYRO SURVEY												Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,900.00	4,573.02	4,585.02	4,584.56	34.93	15.86	-100.06	5,093.70	-75.75	5,148.48	5,098.20	50.28	102.406	
5,000.00	4,664.17	4,703.90	4,703.42	35.79	16.28	-100.57	5,093.79	-73.35	5,155.90	5,104.40	51.50	100.112	
5,100.00	4,755.31	4,830.23	4,829.67	36.65	16.72	-101.10	5,093.23	-69.32	5,162.69	5,109.94	52.75	97.868	
5,200.00	4,846.46	4,900.00	4,899.43	37.51	16.96	-101.40	5,092.97	-67.60	5,170.10	5,116.30	53.80	96.101	
5,300.00	4,937.60	4,943.97	4,943.39	38.37	17.12	-101.59	5,092.96	-66.95	5,178.37	5,123.63	54.75	94.588	
5,400.00	5,028.75	5,000.00	4,999.42	39.23	17.31	-101.84	5,093.18	-66.55	5,187.61	5,131.88	55.73	93.084	
5,500.00	5,119.89	5,064.25	5,063.67	40.09	17.54	-102.12	5,093.68	-66.52	5,197.70	5,140.96	56.74	91.608	
5,600.00	5,211.04	5,159.74	5,159.15	40.96	17.87	-102.55	5,094.58	-66.99	5,208.42	5,150.57	57.86	90.021	
5,700.00	5,302.18	5,260.99	5,260.40	41.82	18.22	-103.00	5,095.02	-67.73	5,219.11	5,160.11	58.99	88.468	
5,800.00	5,393.33	5,344.37	5,343.77	42.68	18.51	-103.37	5,095.59	-67.93	5,230.13	5,170.07	60.06	87.080	
5,900.00	5,484.47	5,427.37	5,426.77	43.54	18.80	-103.74	5,096.23	-68.36	5,241.64	5,180.52	61.12	85.757	
6,000.00	5,575.62	5,518.60	5,518.00	44.40	19.12	-104.14	5,097.03	-68.72	5,253.49	5,191.28	62.21	84.447	
6,100.00	5,666.76	5,609.47	5,608.86	45.26	19.44	-104.53	5,097.94	-68.87	5,265.67	5,202.37	63.29	83.194	
6,175.79	5,735.84	5,699.82	5,699.21	45.92	19.75	-104.93	5,098.50	-69.31	5,274.93	5,210.74	64.19	82.174	
6,200.00	5,757.87	5,720.31	5,719.69	46.13	19.83	-99.70	5,098.56	-69.47	5,277.42	5,212.97	64.45	81.885	
6,250.00	5,803.02	5,762.21	5,761.60	46.56	19.97	-89.83	5,098.70	-69.80	5,279.66	5,214.67	64.99	81.237	
6,300.00	5,847.42	5,803.92	5,803.31	46.99	20.12	-81.53	5,098.87	-70.11	5,278.01	5,212.46	65.54	80.526	
6,350.00	5,890.72	5,849.46	5,848.84	47.41	20.28	-74.92	5,099.06	-70.43	5,272.46	5,206.33	66.12	79.740	
6,400.00	5,932.60	5,893.51	5,892.89	47.83	20.43	-69.82	5,099.22	-70.74	5,263.06	5,196.36	66.69	78.913	
6,450.00	5,972.74	5,955.72	5,955.10	48.23	20.65	-66.17	5,099.30	-71.20	5,249.83	5,182.50	67.34	77.964	
6,500.00	6,010.83	6,017.72	6,017.10	48.61	20.86	-63.67	5,099.04	-71.69	5,232.81	5,164.83	67.97	76.984	
6,550.00	6,046.58	6,055.51	6,054.89	48.98	21.00	-62.00	5,098.85	-71.89	5,212.25	5,143.73	68.51	76.076	
6,600.00	6,079.73	6,095.01	6,094.39	49.33	21.13	-61.21	5,098.64	-72.01	5,188.34	5,119.28	69.05	75.137	
6,650.00	6,110.01	6,124.36	6,123.73	49.67	21.23	-61.15	5,098.48	-72.05	5,161.30	5,091.76	69.54	74.219	
6,700.00	6,137.21	6,149.69	6,149.07	49.98	21.32	-61.83	5,098.34	-72.10	5,131.38	5,061.38	70.00	73.300	
6,750.00	6,161.10	6,171.91	6,171.29	50.28	21.40	-63.28	5,098.22	-72.16	5,098.81	5,028.36	70.44	72.382	
6,800.00	6,181.52	6,190.84	6,190.22	50.55	21.47	-65.53	5,098.12	-72.22	5,063.82	4,992.96	70.85	71.469	
6,850.00	6,198.29	6,200.00	6,199.37	50.81	21.50	-68.56	5,098.07	-72.25	5,026.68	4,955.47	71.21	70.587	
6,900.00	6,211.31	6,216.16	6,215.53	51.05	21.55	-72.73	5,097.99	-72.32	4,987.65	4,916.07	71.58	69.678	
6,950.00	6,220.46	6,223.52	6,222.90	51.27	21.58	-77.87	5,097.95	-72.36	4,947.03	4,875.13	71.90	68.802	
7,000.00	6,225.68	6,227.64	6,227.01	51.47	21.59	-84.18	5,097.93	-72.38	4,905.10	4,832.91	72.19	67.943	
7,040.67	6,227.00	6,228.56	6,227.94	51.63	21.60	-90.19	5,097.93	-72.38	4,870.24	4,797.83	72.41	67.257	
7,100.00	6,227.00	6,228.32	6,227.69	51.85	21.60	-90.18	5,097.93	-72.38	4,819.08	4,746.36	72.72	66.270	
7,200.00	6,227.00	6,227.91	6,227.28	52.25	21.59	-90.17	5,097.93	-72.38	4,733.27	4,660.01	73.25	64.614	
7,300.00	6,227.00	6,227.49	6,226.87	52.70	21.59	-90.16	5,097.93	-72.38	4,648.02	4,574.21	73.82	62.968	
7,400.00	6,227.00	6,227.08	6,226.46	53.18	21.59	-90.15	5,097.93	-72.37	4,563.38	4,488.97	74.40	61.334	
7,500.00	6,227.00	6,226.67	6,226.04	53.71	21.59	-90.14	5,097.93	-72.37	4,479.36	4,404.35	75.02	59.711	
7,600.00	6,227.00	6,226.25	6,225.63	54.28	21.59	-90.13	5,097.94	-72.37	4,396.02	4,320.36	75.66	58.102	
7,700.00	6,227.00	6,225.84	6,225.21	54.89	21.59	-90.12	5,097.94	-72.37	4,313.38	4,237.05	76.33	56.507	
7,800.00	6,227.00	6,225.42	6,224.79	55.55	21.59	-90.11	5,097.94	-72.36	4,231.50	4,154.46	77.04	54.927	
7,900.00	6,227.00	6,225.00	6,224.37	56.25	21.58	-90.10	5,097.94	-72.36	4,150.41	4,072.63	77.77	53.364	
8,000.00	6,227.00	6,224.58	6,223.95	56.99	21.58	-90.09	5,097.95	-72.36	4,070.15	3,991.61	78.54	51.820	
8,100.00	6,227.00	6,224.16	6,223.53	57.78	21.58	-90.08	5,097.95	-72.36	3,990.80	3,911.45	79.35	50.295	
8,200.00	6,227.00	6,223.74	6,223.11	58.62	21.58	-90.07	5,097.95	-72.36	3,912.38	3,832.20	80.19	48.791	
8,300.00	6,227.00	6,223.32	6,222.69	59.49	21.58	-90.06	5,097.95	-72.35	3,834.98	3,753.91	81.06	47.309	
8,400.00	6,227.00	6,222.89	6,222.27	60.41	21.58	-90.05	5,097.95	-72.35	3,758.63	3,676.66	81.97	45.852	
8,500.00	6,227.00	6,222.47	6,221.84	61.37	21.58	-90.04	5,097.96	-72.35	3,683.43	3,600.50	82.92	44.420	
8,600.00	6,227.00	6,222.05	6,221.42	62.37	21.57	-90.03	5,097.96	-72.35	3,609.42	3,525.51	83.91	43.015	
8,700.00	6,227.00	6,221.62	6,220.99	63.41	21.57	-90.02	5,097.96	-72.35	3,536.69	3,451.76	84.94	41.640	
8,800.00	6,227.00	6,221.19	6,220.57	64.49	21.57	-90.01	5,097.96	-72.34	3,465.33	3,379.33	86.00	40.295	
8,900.00	6,227.00	6,220.76	6,220.14	65.60	21.57	-90.00	5,097.96	-72.34	3,395.41	3,308.31	87.10	38.982	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - SI VERT 70 RANCH USX BB 25-04 (GYRO) - OWB - GYRO SURVEY												Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	6,220.34	6,219.71	66.74	21.57	-89.99	5,097.97	-72.34	3,327.02	3,238.78	88.24	37.704	
9,100.00	6,227.00	6,219.91	6,219.28	67.92	21.57	-89.98	5,097.97	-72.34	3,260.27	3,170.86	89.42	36.462	
9,200.00	6,227.00	6,219.47	6,218.85	69.13	21.57	-89.97	5,097.97	-72.34	3,195.25	3,104.63	90.63	35.258	
9,300.00	6,227.00	6,219.04	6,218.42	70.37	21.56	-89.96	5,097.97	-72.33	3,132.08	3,040.21	91.87	34.093	
9,400.00	6,227.00	6,218.61	6,217.98	71.63	21.56	-89.95	5,097.97	-72.33	3,070.87	2,977.73	93.14	32.970	
9,500.00	6,227.00	6,218.18	6,217.55	72.92	21.56	-89.94	5,097.98	-72.33	3,011.73	2,917.29	94.44	31.890	
9,600.00	6,227.00	6,217.74	6,217.11	74.23	21.56	-89.93	5,097.98	-72.33	2,954.79	2,859.03	95.76	30.856	
9,700.00	6,227.00	6,217.30	6,216.68	75.57	21.56	-89.92	5,097.98	-72.33	2,900.19	2,803.09	97.10	29.868	
9,800.00	6,227.00	6,216.87	6,216.24	76.93	21.56	-89.91	5,097.98	-72.32	2,848.05	2,749.60	98.45	28.928	
9,900.00	6,227.00	6,216.43	6,215.80	78.31	21.55	-89.90	5,097.99	-72.32	2,798.51	2,698.70	99.81	28.039	
10,000.00	6,227.00	6,215.99	6,215.36	79.71	21.55	-89.89	5,097.99	-72.32	2,751.72	2,650.56	101.16	27.201	
10,100.00	6,227.00	6,215.55	6,214.92	81.12	21.55	-89.88	5,097.99	-72.32	2,707.81	2,605.31	102.50	26.417	
10,200.00	6,227.00	6,215.11	6,214.48	82.55	21.55	-89.87	5,097.99	-72.32	2,666.93	2,563.11	103.82	25.687	
10,300.00	6,227.00	6,214.67	6,214.04	84.00	21.55	-89.86	5,097.99	-72.31	2,629.22	2,524.10	105.12	25.013	
10,400.00	6,227.00	6,214.22	6,213.60	85.46	21.55	-89.85	5,098.00	-72.31	2,594.82	2,488.45	106.37	24.395	
10,500.00	6,227.00	6,213.78	6,213.15	86.94	21.55	-89.84	5,098.00	-72.31	2,563.86	2,456.29	107.56	23.836	
10,600.00	6,227.00	6,213.33	6,212.71	88.43	21.54	-89.83	5,098.00	-72.31	2,536.46	2,427.76	108.70	23.335	
10,700.00	6,227.00	6,212.89	6,212.26	89.93	21.54	-89.82	5,098.00	-72.31	2,512.75	2,402.99	109.76	22.893	
10,800.00	6,227.00	6,212.44	6,211.81	91.44	21.54	-89.81	5,098.01	-72.30	2,492.83	2,382.10	110.74	22.512	
10,900.00	6,227.00	6,211.99	6,211.36	92.96	21.54	-89.80	5,098.01	-72.30	2,476.79	2,365.18	111.62	22.190	
11,000.00	6,227.00	6,211.54	6,210.91	94.50	21.54	-89.79	5,098.01	-72.30	2,464.71	2,352.31	112.39	21.930	
11,100.00	6,227.00	6,211.09	6,210.46	96.04	21.54	-89.78	5,098.01	-72.30	2,456.63	2,343.58	113.06	21.730	
11,200.00	6,227.00	6,210.64	6,210.01	97.59	21.53	-89.77	5,098.02	-72.30	2,452.62	2,339.02	113.60	21.590	
11,248.60	6,227.00	6,210.42	6,209.79	98.35	21.53	-89.76	5,098.02	-72.29	2,452.14	2,338.31	113.82	21.543 CC, ES	
11,300.00	6,227.00	6,210.18	6,209.56	99.15	21.53	-89.76	5,098.02	-72.29	2,452.67	2,338.65	114.02	21.510	
11,400.00	6,227.00	6,209.73	6,209.10	100.72	21.53	-89.75	5,098.02	-72.29	2,456.80	2,342.48	114.32	21.490 SF	
11,500.00	6,227.00	6,209.28	6,208.65	102.30	21.53	-89.73	5,098.02	-72.29	2,464.99	2,350.49	114.50	21.529	
11,600.00	6,227.00	6,208.82	6,208.19	103.88	21.53	-89.72	5,098.02	-72.29	2,477.18	2,362.64	114.55	21.626	
11,700.00	6,227.00	6,208.36	6,207.74	105.47	21.53	-89.71	5,098.03	-72.29	2,493.34	2,378.86	114.48	21.780	
11,743.45	6,227.00	6,208.16	6,207.54	106.17	21.53	-89.71	5,098.03	-72.29	2,501.57	2,387.16	114.41	21.865	
11,808.25	6,227.00	6,207.87	6,207.24	107.20	21.53	-89.70	5,098.03	-72.28	2,514.47	2,400.20	114.27	22.004	
11,900.00	6,227.00	6,207.45	6,206.83	108.66	21.52	-89.69	5,098.03	-72.28	2,534.46	2,420.45	114.00	22.232	
12,000.00	6,227.00	6,207.00	6,206.38	110.26	21.52	-89.68	5,098.03	-72.28	2,559.81	2,446.20	113.61	22.531	
12,100.00	6,227.00	6,206.55	6,205.92	111.86	21.52	-89.67	5,098.04	-72.28	2,588.78	2,475.65	113.13	22.884	
12,200.00	6,227.00	6,206.09	6,205.47	113.47	21.52	-89.66	5,098.04	-72.28	2,621.25	2,508.69	112.56	23.288	
12,300.00	6,227.00	6,200.00	6,199.37	115.08	21.50	-89.52	5,098.07	-72.25	2,657.09	2,545.22	111.87	23.752	
12,400.00	6,227.00	6,200.00	6,199.37	116.70	21.50	-89.52	5,098.07	-72.25	2,696.16	2,585.00	111.16	24.254	
12,500.00	6,227.00	6,200.00	6,199.37	118.33	21.50	-89.52	5,098.07	-72.25	2,738.33	2,627.93	110.40	24.804	
12,600.00	6,227.00	6,200.00	6,199.37	119.96	21.50	-89.52	5,098.07	-72.25	2,783.45	2,673.86	109.59	25.399	
12,700.00	6,227.00	6,200.00	6,199.37	121.60	21.50	-89.52	5,098.07	-72.25	2,831.38	2,722.64	108.74	26.038	
12,800.00	6,227.00	6,200.00	6,199.37	123.24	21.50	-89.52	5,098.07	-72.25	2,881.99	2,774.13	107.86	26.719	
12,900.00	6,227.00	6,200.00	6,199.37	124.88	21.50	-89.52	5,098.07	-72.25	2,935.14	2,828.18	106.96	27.441	
13,000.00	6,227.00	6,200.00	6,199.37	126.53	21.50	-89.52	5,098.07	-72.25	2,990.68	2,884.64	106.05	28.202	
13,100.00	6,227.00	6,200.00	6,199.37	128.18	21.50	-89.52	5,098.07	-72.25	3,048.50	2,943.38	105.12	29.000	
13,200.00	6,227.00	6,200.00	6,199.37	129.84	21.50	-89.52	5,098.07	-72.25	3,108.45	3,004.26	104.19	29.834	
13,300.00	6,227.00	6,200.00	6,199.37	131.50	21.50	-89.52	5,098.07	-72.25	3,170.43	3,067.17	103.26	30.702	
13,400.00	6,227.00	6,200.00	6,199.37	133.16	21.50	-89.52	5,098.07	-72.25	3,234.31	3,131.97	102.34	31.603	
13,500.00	6,227.00	6,200.00	6,199.37	134.83	21.50	-89.52	5,098.07	-72.25	3,299.99	3,198.56	101.43	32.535	
13,600.00	6,227.00	6,200.00	6,199.37	136.50	21.50	-89.52	5,098.07	-72.25	3,367.36	3,266.83	100.53	33.497	
13,700.00	6,227.00	6,200.00	6,199.37	138.17	21.50	-89.52	5,098.07	-72.25	3,436.31	3,336.67	99.64	34.486	
13,800.00	6,227.00	6,200.00	6,199.37	139.85	21.50	-89.52	5,098.07	-72.25	3,506.76	3,407.99	98.77	35.503	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - SI VERT 70 RANCH USX BB 25-04 (GYRO) - OWB - GYRO SURVEY												Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,227.00	6,200.00	6,199.37	141.53	21.50	-89.52	5,098.07	-72.25	3,578.62	3,480.70	97.92	36.545	
14,000.00	6,227.00	6,200.00	6,199.37	143.21	21.50	-89.52	5,098.07	-72.25	3,651.81	3,554.71	97.09	37.611	
14,100.00	6,227.00	6,197.07	6,196.44	144.89	21.49	-89.45	5,098.09	-72.24	3,726.24	3,629.97	96.26	38.708	
14,200.00	6,227.00	6,196.57	6,195.94	146.58	21.49	-89.44	5,098.09	-72.24	3,801.84	3,706.36	95.47	39.821	
14,300.00	6,227.00	6,196.07	6,195.44	148.26	21.48	-89.43	5,098.09	-72.24	3,878.55	3,783.84	94.71	40.953	
14,400.00	6,227.00	6,195.56	6,194.94	149.96	21.48	-89.42	5,098.09	-72.24	3,956.30	3,862.33	93.96	42.106	
14,500.00	6,227.00	6,195.06	6,194.44	151.65	21.48	-89.41	5,098.10	-72.24	4,035.02	3,941.78	93.24	43.276	
14,600.00	6,227.00	6,194.56	6,193.94	153.34	21.48	-89.39	5,098.10	-72.23	4,114.68	4,022.14	92.54	44.464	
14,700.00	6,227.00	6,194.06	6,193.44	155.04	21.48	-89.38	5,098.10	-72.23	4,195.20	4,103.34	91.86	45.669	
14,800.00	6,227.00	6,193.56	6,192.93	156.74	21.48	-89.37	5,098.11	-72.23	4,276.55	4,185.34	91.21	46.888	
14,900.00	6,227.00	6,193.06	6,192.43	158.44	21.47	-89.36	5,098.11	-72.23	4,358.67	4,268.09	90.57	48.122	
15,000.00	6,227.00	6,192.56	6,191.93	160.14	21.47	-89.35	5,098.11	-72.23	4,441.52	4,351.56	89.96	49.370	
15,100.00	6,227.00	6,192.05	6,191.43	161.85	21.47	-89.34	5,098.11	-72.23	4,525.07	4,435.70	89.37	50.631	
15,200.00	6,227.00	6,191.55	6,190.93	163.56	21.47	-89.32	5,098.12	-72.22	4,609.28	4,520.47	88.80	51.904	
15,300.00	6,227.00	6,191.05	6,190.42	165.26	21.47	-89.31	5,098.12	-72.22	4,694.10	4,605.84	88.26	53.187	
15,400.00	6,227.00	6,190.55	6,189.92	166.97	21.46	-89.30	5,098.12	-72.22	4,779.51	4,691.78	87.73	54.482	
15,500.00	6,227.00	6,190.04	6,189.42	168.68	21.46	-89.29	5,098.12	-72.22	4,865.47	4,778.26	87.22	55.786	
15,600.00	6,227.00	6,189.54	6,188.91	170.40	21.46	-89.28	5,098.13	-72.22	4,951.97	4,865.24	86.72	57.100	
15,700.00	6,227.00	6,189.04	6,188.41	172.11	21.46	-89.27	5,098.13	-72.22	5,038.96	4,952.71	86.25	58.422	
15,800.00	6,227.00	6,188.53	6,187.91	173.83	21.46	-89.25	5,098.13	-72.21	5,126.43	5,040.63	85.79	59.752	
15,900.00	6,227.00	6,188.03	6,187.40	175.54	21.46	-89.24	5,098.13	-72.21	5,214.34	5,128.99	85.35	61.090	
16,000.00	6,227.00	6,187.52	6,186.90	177.26	21.45	-89.23	5,098.14	-72.21	5,302.69	5,217.76	84.93	62.435	
16,100.00	6,227.00	6,187.02	6,186.39	178.98	21.45	-89.22	5,098.14	-72.21	5,391.44	5,306.92	84.52	63.786	
16,200.00	6,227.00	6,186.52	6,185.89	180.70	21.45	-89.21	5,098.14	-72.21	5,480.58	5,396.45	84.13	65.143	
16,300.00	6,227.00	6,186.01	6,185.39	182.42	21.45	-89.19	5,098.15	-72.21	5,570.09	5,486.34	83.75	66.506	
16,400.00	6,227.00	6,185.51	6,184.88	184.15	21.45	-89.18	5,098.15	-72.20	5,659.95	5,576.56	83.39	67.874	
16,500.00	6,227.00	6,185.00	6,184.38	185.87	21.45	-89.17	5,098.15	-72.20	5,750.15	5,667.11	83.04	69.246	
16,600.00	6,227.00	6,184.50	6,183.87	187.60	21.44	-89.16	5,098.15	-72.20	5,840.66	5,757.96	82.70	70.623	
16,700.00	6,227.00	6,183.99	6,183.37	189.32	21.44	-89.15	5,098.16	-72.20	5,931.48	5,849.10	82.38	72.004	
16,800.00	6,227.00	6,183.48	6,182.86	191.05	21.44	-89.14	5,098.16	-72.20	6,022.59	5,940.53	82.07	73.388	
16,900.00	6,227.00	6,182.98	6,182.35	192.78	21.44	-89.12	5,098.16	-72.20	6,113.98	6,032.21	81.76	74.775	
17,000.00	6,227.00	6,182.47	6,181.85	194.51	21.44	-89.11	5,098.16	-72.19	6,205.63	6,124.16	81.48	76.166	
17,100.00	6,227.00	6,181.97	6,181.34	196.24	21.44	-89.10	5,098.17	-72.19	6,297.54	6,216.34	81.20	77.559	
17,200.00	6,227.00	6,181.46	6,180.83	197.97	21.43	-89.09	5,098.17	-72.19	6,389.69	6,308.76	80.93	78.954	
17,300.00	6,227.00	6,180.95	6,180.33	199.70	21.43	-89.08	5,098.17	-72.19	6,482.07	6,401.40	80.67	80.351	
17,400.00	6,227.00	6,180.45	6,179.82	201.44	21.43	-89.07	5,098.18	-72.19	6,574.68	6,494.25	80.42	81.751	
17,500.00	6,227.00	6,179.94	6,179.31	203.17	21.43	-89.05	5,098.18	-72.19	6,667.50	6,587.31	80.19	83.151	
17,600.00	6,227.00	6,179.43	6,178.81	204.90	21.43	-89.04	5,098.18	-72.19	6,760.52	6,680.57	79.96	84.553	
17,700.00	6,227.00	6,178.92	6,178.30	206.64	21.42	-89.03	5,098.18	-72.18	6,853.74	6,774.01	79.74	85.956	
17,800.00	6,227.00	6,178.42	6,177.79	208.38	21.42	-89.02	5,098.19	-72.18	6,947.15	6,867.63	79.52	87.360	
17,900.00	6,227.00	6,177.91	6,177.28	210.11	21.42	-89.01	5,098.19	-72.18	7,040.74	6,961.42	79.32	88.764	
18,000.00	6,227.00	6,177.40	6,176.78	211.85	21.42	-88.99	5,098.19	-72.18	7,134.51	7,055.38	79.12	90.169	
18,100.00	6,227.00	6,176.89	6,176.27	213.59	21.42	-88.98	5,098.19	-72.18	7,228.44	7,149.50	78.93	91.575	
18,200.00	6,227.00	6,176.38	6,175.76	215.33	21.42	-88.97	5,098.20	-72.18	7,322.53	7,243.77	78.75	92.980	
18,300.00	6,227.00	6,175.88	6,175.25	217.07	21.41	-88.96	5,098.20	-72.17	7,416.77	7,338.19	78.58	94.385	
18,400.00	6,227.00	6,175.37	6,174.74	218.81	21.41	-88.95	5,098.20	-72.17	7,511.17	7,432.76	78.41	95.790	
18,500.00	6,227.00	6,174.86	6,174.23	220.55	21.41	-88.94	5,098.20	-72.17	7,605.71	7,527.46	78.25	97.195	
18,600.00	6,227.00	6,174.35	6,173.72	222.29	21.41	-88.92	5,098.21	-72.17	7,700.38	7,622.29	78.10	98.599	
18,700.00	6,227.00	6,173.84	6,173.21	224.03	21.41	-88.91	5,098.21	-72.17	7,795.19	7,717.24	77.95	100.002	
18,800.00	6,227.00	6,173.33	6,172.70	225.78	21.40	-88.90	5,098.21	-72.17	7,890.13	7,812.32	77.81	101.405	
18,900.00	6,227.00	6,172.82	6,172.19	227.52	21.40	-88.89	5,098.22	-72.17	7,985.19	7,907.52	77.67	102.807	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,000.00	6,227.00	6,172.31	6,171.68	229.26	21.40	-88.88	5,098.22	-72.16	8,080.37	8,002.83	77.54	104.207	
19,100.00	6,227.00	6,171.80	6,171.17	231.01	21.40	-88.86	5,098.22	-72.16	8,175.67	8,098.25	77.42	105.607	
19,200.00	6,227.00	6,171.29	6,170.66	232.75	21.40	-88.85	5,098.22	-72.16	8,271.07	8,193.78	77.30	107.005	
19,300.00	6,227.00	6,170.78	6,170.15	234.50	21.40	-88.84	5,098.23	-72.16	8,366.59	8,289.40	77.18	108.402	
19,400.00	6,227.00	6,170.27	6,169.64	236.25	21.39	-88.83	5,098.23	-72.16	8,462.20	8,385.13	77.07	109.797	
19,500.00	6,227.00	6,169.76	6,169.13	237.99	21.39	-88.82	5,098.23	-72.16	8,557.92	8,480.95	76.97	111.191	
19,600.00	6,227.00	6,169.24	6,168.62	239.74	21.39	-88.81	5,098.23	-72.15	8,653.73	8,576.87	76.87	112.583	
19,700.00	6,227.00	6,168.73	6,168.11	241.49	21.39	-88.79	5,098.24	-72.15	8,749.64	8,672.87	76.77	113.973	
19,800.00	6,227.00	6,168.22	6,167.60	243.24	21.39	-88.78	5,098.24	-72.15	8,845.64	8,768.96	76.68	115.362	
19,900.00	6,227.00	6,167.71	6,167.08	244.98	21.39	-88.77	5,098.24	-72.15	8,941.73	8,865.14	76.59	116.749	
20,000.00	6,227.00	6,167.20	6,166.57	246.73	21.38	-88.76	5,098.25	-72.15	9,037.90	8,961.39	76.51	118.133	
20,100.00	6,227.00	6,166.68	6,166.06	248.48	21.38	-88.75	5,098.25	-72.15	9,134.15	9,057.72	76.43	119.516	
20,200.00	6,227.00	6,166.17	6,165.55	250.23	21.38	-88.73	5,098.25	-72.15	9,230.48	9,154.13	76.35	120.896	
20,300.00	6,227.00	6,165.66	6,165.03	251.98	21.38	-88.72	5,098.25	-72.14	9,326.89	9,250.61	76.28	122.274	
20,400.00	6,227.00	6,165.15	6,164.52	253.73	21.38	-88.71	5,098.26	-72.14	9,423.38	9,347.17	76.21	123.650	
20,500.00	6,227.00	6,164.63	6,164.01	255.49	21.37	-88.70	5,098.26	-72.14	9,519.93	9,443.79	76.15	125.024	
20,600.00	6,227.00	6,164.12	6,163.50	257.24	21.37	-88.69	5,098.26	-72.14	9,616.56	9,540.48	76.08	126.395	
20,700.00	6,227.00	6,163.61	6,162.98	258.99	21.37	-88.67	5,098.27	-72.14	9,713.26	9,637.23	76.03	127.764	
20,800.00	6,227.00	6,163.09	6,162.47	260.74	21.37	-88.66	5,098.27	-72.14	9,810.02	9,734.05	75.97	129.130	
20,900.00	6,227.00	6,162.58	6,161.95	262.49	21.37	-88.65	5,098.27	-72.14	9,906.85	9,830.93	75.92	130.494	
21,000.00	6,227.00	6,162.06	6,161.44	264.25	21.37	-88.64	5,098.27	-72.13	10,003.73	9,927.87	75.87	131.855	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-01 - 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						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-96.41	-13.49	-120.11	120.86				
100.00	100.00	100.00	100.00	0.27	0.27	-96.41	-13.49	-120.11	120.86	120.33	0.54	224.778	
200.00	200.00	200.00	200.00	0.63	0.63	-96.41	-13.49	-120.11	120.86	119.61	1.25	96.333	
300.00	300.00	300.00	300.00	0.99	0.99	-96.41	-13.49	-120.11	120.86	118.89	1.97	61.303	
400.00	400.00	400.00	400.00	1.34	1.34	-96.41	-13.49	-120.11	120.86	118.18	2.69	44.956 CC, ES	
500.00	499.98	499.98	499.98	1.70	1.70	-178.47	-13.49	-120.11	122.61	119.21	3.40	36.072	
600.00	599.84	599.84	599.84	2.05	2.06	-178.53	-13.49	-120.11	127.84	123.73	4.11	31.113	
700.00	699.45	699.45	699.45	2.41	2.42	-178.62	-13.49	-120.11	136.55	131.73	4.82	28.315	
800.00	798.70	798.70	798.70	2.79	2.77	-178.73	-13.49	-120.11	148.74	143.20	5.54	26.856	
900.00	897.47	897.29	897.27	3.19	3.13	-178.26	-11.85	-120.35	164.43	158.17	6.25	26.292	
1,000.00	995.62	995.11	994.97	3.62	3.48	-176.86	-6.99	-121.05	183.72	176.75	6.97	26.362	
1,100.00	1,093.06	1,092.36	1,092.03	4.09	3.83	-175.50	-1.17	-121.90	206.59	198.90	7.69	26.873	
1,200.00	1,189.64	1,188.76	1,188.26	4.59	4.18	-174.47	4.61	-122.74	232.90	224.49	8.41	27.700	
1,300.00	1,285.27	1,284.20	1,283.52	5.14	4.52	-173.71	10.33	-123.57	262.60	253.47	9.13	28.761	
1,400.00	1,379.82	1,378.56	1,377.71	5.74	4.86	-173.16	15.98	-124.39	295.61	285.76	9.85	29.998	
1,500.00	1,473.17	1,471.73	1,470.71	6.40	5.20	-172.77	21.56	-125.20	331.89	321.31	10.58	31.373	
1,600.00	1,565.21	1,563.60	1,562.41	7.12	5.54	-172.49	27.07	-126.00	371.38	360.07	11.30	32.855	
1,614.66	1,578.59	1,576.95	1,575.73	7.23	5.59	-172.46	27.87	-126.12	377.43	366.02	11.41	33.065	
1,700.00	1,656.38	1,654.58	1,653.22	7.88	5.87	-172.39	32.52	-126.80	412.88	400.85	12.03	34.331	
1,800.00	1,747.52	1,745.54	1,744.02	8.67	6.21	-172.32	37.97	-127.59	454.42	441.67	12.75	35.646	
1,900.00	1,838.67	1,836.50	1,834.81	9.47	6.54	-172.26	43.42	-128.38	495.95	482.48	13.47	36.806	
2,000.00	1,929.81	1,927.47	1,925.61	10.28	6.87	-172.21	48.87	-129.17	537.49	523.28	14.21	37.834	
2,100.00	2,020.96	2,018.43	2,016.41	11.10	7.21	-172.17	54.32	-129.97	579.03	564.09	14.94	38.752	
2,200.00	2,112.10	2,109.40	2,107.21	11.92	7.54	-172.13	59.77	-130.76	620.57	604.88	15.68	39.575	
2,300.00	2,203.25	2,200.36	2,198.00	12.75	7.88	-172.10	65.22	-131.55	662.10	645.68	16.42	40.316	
2,400.00	2,294.39	2,291.33	2,288.80	13.59	8.21	-172.07	70.67	-132.34	703.64	686.47	17.17	40.988	
2,500.00	2,385.54	2,382.29	2,379.60	14.43	8.55	-172.05	76.12	-133.13	745.18	727.27	17.91	41.598	
2,600.00	2,476.68	2,473.25	2,470.40	15.27	8.88	-172.02	81.57	-133.93	786.72	768.06	18.66	42.155	
2,700.00	2,567.83	2,564.22	2,561.19	16.11	9.22	-172.00	87.02	-134.72	828.26	808.84	19.41	42.666	
2,800.00	2,658.97	2,655.18	2,651.99	16.96	9.55	-171.98	92.47	-135.51	869.80	849.63	20.16	43.135	
2,900.00	2,750.12	2,746.15	2,742.79	17.80	9.89	-171.97	97.92	-136.30	911.33	890.42	20.92	43.568	
3,000.00	2,841.26	2,837.11	2,833.59	18.65	10.22	-171.95	103.37	-137.09	952.87	931.20	21.67	43.968	
3,100.00	2,932.41	2,928.07	2,924.38	19.50	10.56	-171.94	108.82	-137.89	994.41	971.98	22.43	44.339	
3,200.00	3,023.55	3,019.04	3,015.18	20.35	10.89	-171.93	114.27	-138.68	1,035.95	1,012.77	23.18	44.684	
3,300.00	3,114.70	3,110.00	3,105.98	21.21	11.23	-171.91	119.72	-139.47	1,077.49	1,053.55	23.94	45.005	
3,400.00	3,205.84	3,200.97	3,196.77	22.06	11.57	-171.90	125.17	-140.26	1,119.03	1,094.33	24.70	45.305	
3,500.00	3,296.99	3,291.93	3,287.57	22.92	11.90	-171.89	130.62	-141.06	1,160.57	1,135.11	25.46	45.586	
3,600.00	3,388.13	3,382.90	3,378.37	23.77	12.24	-171.88	136.07	-141.85	1,202.11	1,175.89	26.22	45.850	
3,700.00	3,479.28	3,473.86	3,469.17	24.63	12.57	-171.87	141.52	-142.64	1,243.64	1,216.67	26.98	46.097	
3,800.00	3,570.42	3,564.82	3,559.96	25.48	12.91	-171.87	146.97	-143.43	1,285.18	1,257.44	27.74	46.330	
3,900.00	3,661.57	3,655.79	3,650.76	26.34	13.25	-171.86	152.42	-144.22	1,326.72	1,298.22	28.50	46.549	
4,000.00	3,752.71	3,746.75	3,741.56	27.20	13.58	-171.85	157.87	-145.02	1,368.26	1,339.00	29.26	46.756	
4,100.00	3,843.86	3,837.72	3,832.36	28.05	13.92	-171.84	163.32	-145.81	1,409.80	1,379.77	30.03	46.952	
4,200.00	3,935.00	3,928.68	3,923.15	28.91	14.25	-171.84	168.77	-146.60	1,451.34	1,420.55	30.79	47.138	
4,300.00	4,026.15	4,019.64	4,013.95	29.77	14.59	-171.83	174.22	-147.39	1,492.88	1,461.33	31.55	47.313	
4,400.00	4,117.29	4,110.61	4,104.75	30.63	14.93	-171.83	179.67	-148.18	1,534.42	1,502.10	32.32	47.480	
4,500.00	4,208.44	4,201.57	4,195.55	31.49	15.26	-171.82	185.12	-148.98	1,575.96	1,542.88	33.08	47.639	
4,600.00	4,299.58	4,292.54	4,286.34	32.35	15.60	-171.82	190.57	-149.77	1,617.50	1,583.65	33.85	47.790	
4,700.00	4,390.73	4,383.50	4,377.14	33.21	15.93	-171.81	196.02	-150.56	1,659.04	1,624.42	34.61	47.933	
4,800.00	4,481.88	4,474.47	4,467.94	34.07	16.27	-171.81	201.47	-151.35	1,700.57	1,665.20	35.38	48.070	
4,900.00	4,573.02	4,565.43	4,558.73	34.93	16.61	-171.80	206.92	-152.15	1,742.11	1,705.97	36.14	48.201	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-01 - 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		
5,000.00	4,664.17	4,656.39	4,649.53	35.79	16.94	-171.80	212.37	-152.94	1,783.65	1,746.74	36.91	48.326		
5,100.00	4,755.31	4,747.36	4,740.33	36.65	17.28	-171.79	217.82	-153.73	1,825.19	1,787.52	37.68	48.445		
5,200.00	4,846.46	4,838.32	4,831.13	37.51	17.62	-171.79	223.27	-154.52	1,866.73	1,828.29	38.44	48.559		
5,300.00	4,937.60	4,929.29	4,921.92	38.37	17.95	-171.79	228.72	-155.31	1,908.27	1,869.06	39.21	48.669		
5,400.00	5,028.75	5,020.25	5,012.72	39.23	18.29	-171.78	234.17	-156.11	1,949.81	1,909.83	39.98	48.773		
5,500.00	5,119.89	5,111.22	5,103.52	40.09	18.63	-171.78	239.62	-156.90	1,991.35	1,950.60	40.74	48.874		
5,600.00	5,211.04	5,202.18	5,194.32	40.96	18.96	-171.78	245.07	-157.69	2,032.89	1,991.38	41.51	48.970		
5,700.00	5,302.18	5,293.14	5,285.11	41.82	19.30	-171.77	250.52	-158.48	2,074.43	2,032.15	42.28	49.063		
5,800.00	5,393.33	5,384.11	5,375.91	42.68	19.63	-171.77	255.97	-159.27	2,115.97	2,072.92	43.05	49.152		
5,900.00	5,484.47	5,475.07	5,466.71	43.54	19.97	-171.77	261.42	-160.07	2,157.51	2,113.69	43.82	49.238		
6,000.00	5,575.62	5,566.04	5,557.51	44.40	20.31	-171.76	266.87	-160.86	2,199.04	2,154.46	44.59	49.320		
6,100.00	5,666.76	5,657.00	5,648.30	45.26	20.64	-171.76	272.32	-161.65	2,240.58	2,195.23	45.36	49.399		
6,175.79	5,735.84	5,728.98	5,720.08	45.92	20.91	-171.73	277.52	-162.26	2,272.05	2,226.08	45.97	49.425		
6,200.00	5,757.87	5,753.26	5,744.13	46.13	21.01	-165.38	280.83	-162.44	2,282.06	2,235.87	46.18	49.413		
6,250.00	5,803.02	5,803.39	5,793.23	46.56	21.22	-153.08	290.87	-162.76	2,302.56	2,255.92	46.65	49.363		
6,300.00	5,847.42	5,853.56	5,841.30	46.99	21.44	-142.26	305.18	-162.99	2,322.71	2,275.57	47.13	49.279		
6,350.00	5,890.72	5,903.88	5,888.07	47.41	21.68	-133.02	323.69	-163.15	2,342.34	2,294.69	47.65	49.161		
6,400.00	5,932.60	5,954.42	5,933.23	47.83	21.93	-125.22	346.34	-163.22	2,361.31	2,313.12	48.19	49.005		
6,450.00	5,972.74	6,005.24	5,976.45	48.23	22.20	-118.66	373.04	-163.21	2,379.46	2,330.71	48.75	48.808		
6,500.00	6,010.83	6,056.40	6,017.40	48.61	22.48	-113.14	403.68	-163.11	2,396.67	2,347.32	49.35	48.567		
6,550.00	6,046.58	6,107.91	6,055.71	48.98	22.79	-108.48	438.09	-162.93	2,412.78	2,362.81	49.98	48.279		
6,600.00	6,079.73	6,159.79	6,091.01	49.33	23.12	-104.54	476.09	-162.66	2,427.69	2,377.06	50.64	47.943		
6,650.00	6,110.01	6,212.01	6,122.92	49.67	23.48	-101.21	517.39	-162.30	2,441.28	2,389.95	51.33	47.558		
6,700.00	6,137.21	6,264.53	6,151.09	49.98	23.86	-98.41	561.69	-161.86	2,453.43	2,401.37	52.06	47.123		
6,750.00	6,161.10	6,317.27	6,175.19	50.28	24.26	-96.08	608.58	-161.34	2,464.07	2,411.24	52.83	46.641		
6,800.00	6,181.52	6,370.15	6,194.91	50.55	24.69	-94.17	657.62	-160.74	2,473.09	2,419.46	53.63	46.115		
6,850.00	6,198.29	6,423.05	6,210.04	50.81	25.14	-92.63	708.29	-160.07	2,480.45	2,425.99	54.46	45.549		
6,900.00	6,211.31	6,475.87	6,220.42	51.05	25.61	-91.46	760.06	-159.34	2,486.07	2,430.76	55.31	44.950		
6,950.00	6,220.46	6,528.47	6,225.97	51.27	26.09	-90.62	812.34	-158.55	2,489.93	2,433.75	56.18	44.324		
7,000.00	6,225.68	6,579.94	6,227.00	51.47	26.57	-90.12	863.78	-157.73	2,491.99	2,434.95	57.04	43.687		
7,040.67	6,227.00	6,620.58	6,227.00	51.63	26.97	-90.00	904.42	-157.07	2,492.35	2,434.60	57.76	43.152		
7,100.00	6,227.00	6,679.91	6,227.00	51.85	27.57	-90.00	963.74	-156.12	2,492.03	2,433.18	58.84	42.350		
7,200.00	6,227.00	6,779.90	6,227.00	52.25	28.65	-90.00	1,063.72	-154.51	2,491.48	2,430.68	60.80	40.981		
7,300.00	6,227.00	6,879.90	6,227.00	52.70	29.79	-90.00	1,163.71	-152.90	2,490.93	2,428.04	62.89	39.609		
7,400.00	6,227.00	6,979.90	6,227.00	53.18	30.98	-90.00	1,263.69	-151.28	2,490.38	2,425.28	65.10	38.253		
7,500.00	6,227.00	7,079.90	6,227.00	53.71	32.24	-90.00	1,363.68	-149.67	2,489.83	2,422.40	67.43	36.924		
7,600.00	6,227.00	7,179.90	6,227.00	54.28	33.53	-90.00	1,463.66	-148.06	2,489.29	2,419.43	69.86	35.632		
7,700.00	6,227.00	7,279.90	6,227.00	54.89	34.87	-90.00	1,563.65	-146.45	2,488.74	2,416.36	72.38	34.384		
7,800.00	6,227.00	7,379.90	6,227.00	55.55	36.25	-90.00	1,663.63	-144.84	2,488.19	2,413.21	74.98	33.183		
7,900.00	6,227.00	7,479.89	6,227.00	56.25	37.66	-90.00	1,763.62	-143.23	2,487.64	2,409.98	77.66	32.033		
8,000.00	6,227.00	7,579.89	6,227.00	56.99	39.10	-90.00	1,863.61	-141.62	2,487.09	2,406.69	80.40	30.934		
8,100.00	6,227.00	7,679.89	6,227.00	57.78	40.56	-90.00	1,963.59	-140.01	2,486.54	2,403.34	83.20	29.885		
8,200.00	6,227.00	7,779.89	6,227.00	58.62	42.05	-90.00	2,063.58	-138.39	2,486.00	2,399.94	86.06	28.887		
8,300.00	6,227.00	7,879.89	6,227.00	59.49	43.56	-90.00	2,163.56	-136.78	2,485.45	2,396.48	88.96	27.937		
8,400.00	6,227.00	7,979.89	6,227.00	60.41	45.09	-90.00	2,263.55	-135.17	2,484.90	2,392.98	91.91	27.035		
8,500.00	6,227.00	8,079.88	6,227.00	61.37	46.64	-90.00	2,363.53	-133.56	2,484.35	2,389.45	94.90	26.178		
8,600.00	6,227.00	8,179.88	6,227.00	62.37	48.20	-90.00	2,463.52	-131.95	2,483.80	2,385.87	97.93	25.363		
8,700.00	6,227.00	8,279.88	6,227.00	63.41	49.77	-90.00	2,563.50	-130.34	2,483.25	2,382.26	100.99	24.589		
8,800.00	6,227.00	8,379.88	6,227.00	64.49	51.36	-90.00	2,663.49	-128.73	2,482.71	2,378.63	104.08	23.854		
8,900.00	6,227.00	8,479.88	6,227.00	65.60	52.96	-90.00	2,763.48	-127.12	2,482.16	2,374.96	107.20	23.155		
9,000.00	6,227.00	8,579.88	6,227.00	66.74	54.57	-90.00	2,863.46	-125.51	2,481.61	2,371.27	110.34	22.491		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,100.00	6,227.00	8,679.88	6,227.00	67.92	56.19	-90.00	2,963.45	-123.89	2,481.06	2,367.55	113.51	21.859	
9,200.00	6,227.00	8,779.87	6,227.00	69.13	57.81	-90.00	3,063.43	-122.28	2,480.51	2,363.82	116.69	21.257	
9,300.00	6,227.00	8,879.87	6,227.00	70.37	59.45	-90.00	3,163.42	-120.67	2,479.96	2,360.06	119.90	20.684	
9,400.00	6,227.00	8,979.87	6,227.00	71.63	61.09	-90.00	3,263.40	-119.06	2,479.41	2,356.29	123.13	20.137	
9,500.00	6,227.00	9,079.87	6,227.00	72.92	62.74	-90.00	3,363.39	-117.45	2,478.87	2,352.50	126.37	19.616	
9,600.00	6,227.00	9,179.87	6,227.00	74.23	64.40	-90.00	3,463.37	-115.84	2,478.32	2,348.69	129.63	19.119	
9,700.00	6,227.00	9,279.87	6,227.00	75.57	66.06	-90.00	3,563.36	-114.23	2,477.77	2,344.87	132.90	18.644	
9,800.00	6,227.00	9,379.87	6,227.00	76.93	67.73	-90.00	3,663.34	-112.62	2,477.22	2,341.04	136.18	18.190	
9,900.00	6,227.00	9,479.86	6,227.00	78.31	69.40	-90.00	3,763.33	-111.00	2,476.67	2,337.19	139.48	17.756	
10,000.00	6,227.00	9,579.86	6,227.00	79.71	71.08	-90.00	3,863.32	-109.39	2,476.12	2,333.33	142.79	17.341	
10,100.00	6,227.00	9,679.86	6,227.00	81.12	72.76	-90.00	3,963.30	-107.78	2,475.58	2,329.46	146.11	16.943	
10,200.00	6,227.00	9,779.86	6,227.00	82.55	74.45	-90.00	4,063.29	-106.17	2,475.03	2,325.59	149.44	16.562	
10,300.00	6,227.00	9,879.86	6,227.00	84.00	76.14	-90.00	4,163.27	-104.56	2,474.48	2,321.70	152.78	16.196	
10,400.00	6,227.00	9,979.86	6,227.00	85.46	77.83	-90.00	4,263.26	-102.95	2,473.93	2,317.80	156.13	15.845	
10,500.00	6,227.00	10,079.85	6,227.00	86.94	79.53	-90.00	4,363.24	-101.34	2,473.38	2,313.89	159.49	15.508	
10,600.00	6,227.00	10,179.85	6,227.00	88.43	81.23	-90.00	4,463.23	-99.73	2,472.83	2,309.98	162.85	15.184	
10,700.00	6,227.00	10,279.85	6,227.00	89.93	82.93	-90.00	4,563.21	-98.11	2,472.29	2,306.06	166.22	14.873	
10,800.00	6,227.00	10,379.85	6,227.00	91.44	84.63	-90.00	4,663.20	-96.50	2,471.74	2,302.13	169.60	14.574	
10,900.00	6,227.00	10,479.85	6,227.00	92.96	86.34	-90.00	4,763.19	-94.89	2,471.19	2,298.20	172.99	14.285	
11,000.00	6,227.00	10,579.85	6,227.00	94.50	88.05	-90.00	4,863.17	-93.28	2,470.64	2,294.26	176.38	14.007	
11,100.00	6,227.00	10,679.85	6,227.00	96.04	89.76	-90.00	4,963.16	-91.67	2,470.09	2,290.31	179.78	13.740	
11,200.00	6,227.00	10,779.84	6,227.00	97.59	91.48	-90.00	5,063.14	-90.06	2,469.54	2,286.36	183.18	13.482	
11,300.00	6,227.00	10,879.84	6,227.00	99.15	93.20	-90.00	5,163.13	-88.45	2,469.00	2,282.41	186.59	13.232	
11,400.00	6,227.00	10,974.09	6,227.00	100.72	94.82	-90.00	5,257.36	-86.93	2,468.45	2,278.62	189.83	13.003	
11,407.78	6,227.00	10,974.09	6,227.00	100.84	94.82	-90.00	5,257.36	-86.93	2,468.44	2,278.57	189.87	13.001	
11,500.00	6,227.00	10,974.09	6,227.00	102.30	94.82	-90.00	5,257.36	-86.93	2,470.16	2,280.00	190.17	12.989 SF	
11,600.00	6,227.00	10,974.09	6,227.00	103.88	94.82	-90.00	5,257.36	-86.93	2,475.91	2,285.69	190.23	13.015	
11,700.00	6,227.00	10,974.09	6,227.00	105.47	94.82	-90.00	5,257.36	-86.93	2,485.68	2,295.66	190.02	13.081	
11,743.45	6,227.00	10,974.09	6,227.00	106.17	94.82	-90.00	5,257.36	-86.93	2,491.16	2,301.31	189.85	13.122	
11,808.25	6,227.00	10,974.09	6,227.00	107.20	94.82	-90.00	5,257.36	-86.93	2,499.99	2,310.49	189.50	13.193	
11,900.00	6,227.00	10,974.09	6,227.00	108.66	94.82	-90.00	5,257.36	-86.93	2,514.28	2,325.45	188.83	13.315	
12,000.00	6,227.00	10,974.09	6,227.00	110.26	94.82	-90.00	5,257.36	-86.93	2,533.55	2,345.68	187.87	13.486	
12,100.00	6,227.00	10,974.09	6,227.00	111.86	94.82	-90.00	5,257.36	-86.93	2,556.58	2,369.90	186.68	13.695	
12,200.00	6,227.00	10,974.09	6,227.00	113.47	94.82	-90.00	5,257.36	-86.93	2,583.29	2,398.00	185.29	13.942	
12,300.00	6,227.00	10,974.09	6,227.00	115.08	94.82	-90.00	5,257.36	-86.93	2,613.55	2,429.84	183.71	14.226	
12,400.00	6,227.00	10,974.09	6,227.00	116.70	94.82	-90.00	5,257.36	-86.93	2,647.24	2,465.28	181.97	14.548	
12,500.00	6,227.00	10,974.09	6,227.00	118.33	94.82	-90.00	5,257.36	-86.93	2,684.24	2,504.16	180.08	14.906	
12,600.00	6,227.00	10,974.09	6,227.00	119.96	94.82	-90.00	5,257.36	-86.93	2,724.41	2,546.35	178.06	15.300	
12,700.00	6,227.00	10,974.09	6,227.00	121.60	94.82	-90.00	5,257.36	-86.93	2,767.61	2,591.66	175.95	15.730	
12,800.00	6,227.00	10,974.09	6,227.00	123.24	94.82	-90.00	5,257.36	-86.93	2,813.70	2,639.95	173.75	16.194	
12,900.00	6,227.00	10,974.09	6,227.00	124.88	94.82	-90.00	5,257.36	-86.93	2,862.55	2,691.06	171.49	16.692	
13,000.00	6,227.00	10,974.09	6,227.00	126.53	94.82	-90.00	5,257.36	-86.93	2,914.01	2,744.83	169.18	17.224	
13,100.00	6,227.00	10,974.09	6,227.00	128.18	94.82	-90.00	5,257.36	-86.93	2,967.95	2,801.11	166.84	17.789	
13,200.00	6,227.00	10,974.09	6,227.00	129.84	94.82	-90.00	5,257.36	-86.93	3,024.23	2,859.75	164.48	18.386	
13,300.00	6,227.00	10,974.09	6,227.00	131.50	94.82	-90.00	5,257.36	-86.93	3,082.73	2,920.61	162.12	19.015	
13,400.00	6,227.00	10,974.09	6,227.00	133.16	94.82	-90.00	5,257.36	-86.93	3,143.32	2,983.56	159.77	19.674	
13,500.00	6,227.00	10,974.09	6,227.00	134.83	94.82	-90.00	5,257.36	-86.93	3,205.89	3,048.46	157.43	20.364	
13,600.00	6,227.00	10,974.09	6,227.00	136.50	94.82	-90.00	5,257.36	-86.93	3,270.32	3,115.20	155.12	21.083	
13,700.00	6,227.00	10,974.09	6,227.00	138.17	94.82	-90.00	5,257.36	-86.93	3,336.51	3,183.67	152.84	21.830	
13,800.00	6,227.00	10,974.09	6,227.00	139.85	94.82	-90.00	5,257.36	-86.93	3,404.34	3,253.74	150.60	22.605	
13,900.00	6,227.00	10,974.09	6,227.00	141.53	94.82	-90.00	5,257.36	-86.93	3,473.73	3,325.33	148.40	23.408	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-01 - 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	
14,000.00	6,227.00	10,974.09	6,227.00	143.21	94.82	-90.00	5,257.36	-86.93	3,544.58	3,398.33	146.25	24.236	
14,100.00	6,227.00	10,974.09	6,227.00	144.89	94.82	-90.00	5,257.36	-86.93	3,616.81	3,472.66	144.15	25.091	
14,200.00	6,227.00	10,974.09	6,227.00	146.58	94.82	-90.00	5,257.36	-86.93	3,690.33	3,548.23	142.10	25.970	
14,300.00	6,227.00	10,974.09	6,227.00	148.26	94.82	-90.00	5,257.36	-86.93	3,765.08	3,624.97	140.11	26.873	
14,400.00	6,227.00	10,974.09	6,227.00	149.96	94.82	-90.00	5,257.36	-86.93	3,840.97	3,702.81	138.17	27.800	
14,500.00	6,227.00	10,974.09	6,227.00	151.65	94.82	-90.00	5,257.36	-86.93	3,917.95	3,781.67	136.28	28.749	
14,600.00	6,227.00	10,974.09	6,227.00	153.34	94.82	-90.00	5,257.36	-86.93	3,995.95	3,861.50	134.45	29.720	
14,700.00	6,227.00	10,974.09	6,227.00	155.04	94.82	-90.00	5,257.36	-86.93	4,074.91	3,942.23	132.68	30.713	
14,800.00	6,227.00	10,974.09	6,227.00	156.74	94.82	-90.00	5,257.36	-86.93	4,154.77	4,023.81	130.96	31.726	
14,900.00	6,227.00	10,974.09	6,227.00	158.44	94.82	-90.00	5,257.36	-86.93	4,235.49	4,106.20	129.29	32.759	
15,000.00	6,227.00	10,974.09	6,227.00	160.14	94.82	-90.00	5,257.36	-86.93	4,317.02	4,189.34	127.68	33.810	
15,100.00	6,227.00	10,974.09	6,227.00	161.85	94.82	-90.00	5,257.36	-86.93	4,399.31	4,273.18	126.12	34.881	
15,200.00	6,227.00	10,974.09	6,227.00	163.56	94.82	-90.00	5,257.36	-86.93	4,482.32	4,357.70	124.62	35.969	
15,300.00	6,227.00	10,974.09	6,227.00	165.26	94.82	-90.00	5,257.36	-86.93	4,566.01	4,442.85	123.16	37.074	
15,400.00	6,227.00	10,974.09	6,227.00	166.97	94.82	-90.00	5,257.36	-86.93	4,650.34	4,528.59	121.75	38.195	
15,500.00	6,227.00	10,974.09	6,227.00	168.68	94.82	-90.00	5,257.36	-86.93	4,735.29	4,614.90	120.39	39.332	
15,600.00	6,227.00	10,974.09	6,227.00	170.40	94.82	-90.00	5,257.36	-86.93	4,820.81	4,701.73	119.08	40.485	
15,700.00	6,227.00	10,974.09	6,227.00	172.11	94.82	-90.00	5,257.36	-86.93	4,906.88	4,789.07	117.81	41.652	
15,800.00	6,227.00	10,974.09	6,227.00	173.83	94.82	-90.00	5,257.36	-86.93	4,993.47	4,876.89	116.58	42.833	
15,900.00	6,227.00	10,974.09	6,227.00	175.54	94.82	-90.00	5,257.36	-86.93	5,080.55	4,965.15	115.40	44.027	
16,000.00	6,227.00	10,974.09	6,227.00	177.26	94.82	-90.00	5,257.36	-86.93	5,168.10	5,053.85	114.25	45.234	
16,100.00	6,227.00	10,974.09	6,227.00	178.98	94.82	-90.00	5,257.36	-86.93	5,256.09	5,142.94	113.15	46.453	
16,200.00	6,227.00	10,974.09	6,227.00	180.70	94.82	-90.00	5,257.36	-86.93	5,344.51	5,232.43	112.08	47.684	
16,300.00	6,227.00	10,974.09	6,227.00	182.42	94.82	-90.00	5,257.36	-86.93	5,433.32	5,322.27	111.05	48.926	
16,400.00	6,227.00	10,974.09	6,227.00	184.15	94.82	-90.00	5,257.36	-86.93	5,522.52	5,412.47	110.06	50.179	
16,500.00	6,227.00	10,974.09	6,227.00	185.87	94.82	-90.00	5,257.36	-86.93	5,612.09	5,502.99	109.10	51.441	
16,600.00	6,227.00	10,974.09	6,227.00	187.60	94.82	-90.00	5,257.36	-86.93	5,702.00	5,593.83	108.17	52.714	
16,700.00	6,227.00	10,974.09	6,227.00	189.32	94.82	-90.00	5,257.36	-86.93	5,792.24	5,684.97	107.27	53.995	
16,800.00	6,227.00	10,974.09	6,227.00	191.05	94.82	-90.00	5,257.36	-86.93	5,882.80	5,776.39	106.41	55.286	
16,900.00	6,227.00	10,974.09	6,227.00	192.78	94.82	-90.00	5,257.36	-86.93	5,973.66	5,868.09	105.57	56.584	
17,000.00	6,227.00	10,974.09	6,227.00	194.51	94.82	-90.00	5,257.36	-86.93	6,064.80	5,960.04	104.76	57.890	
17,100.00	6,227.00	10,974.09	6,227.00	196.24	94.82	-90.00	5,257.36	-86.93	6,156.22	6,052.24	103.98	59.204	
17,200.00	6,227.00	10,974.09	6,227.00	197.97	94.82	-90.00	5,257.36	-86.93	6,247.91	6,144.68	103.23	60.525	
17,300.00	6,227.00	10,974.09	6,227.00	199.70	94.82	-90.00	5,257.36	-86.93	6,339.84	6,237.34	102.50	61.852	
17,400.00	6,227.00	10,974.09	6,227.00	201.44	94.82	-90.00	5,257.36	-86.93	6,432.02	6,330.22	101.80	63.185	
17,500.00	6,227.00	10,974.09	6,227.00	203.17	94.82	-90.00	5,257.36	-86.93	6,524.43	6,423.31	101.12	64.525	
17,600.00	6,227.00	10,974.09	6,227.00	204.90	94.82	-90.00	5,257.36	-86.93	6,617.05	6,516.60	100.46	65.869	
17,700.00	6,227.00	10,974.09	6,227.00	206.64	94.82	-90.00	5,257.36	-86.93	6,709.89	6,610.07	99.82	67.219	
17,800.00	6,227.00	10,974.09	6,227.00	208.38	94.82	-90.00	5,257.36	-86.93	6,802.93	6,703.73	99.21	68.574	
17,900.00	6,227.00	10,974.09	6,227.00	210.11	94.82	-90.00	5,257.36	-86.93	6,896.17	6,797.56	98.61	69.932	
18,000.00	6,227.00	10,974.09	6,227.00	211.85	94.82	-90.00	5,257.36	-86.93	6,989.59	6,891.56	98.04	71.295	
18,100.00	6,227.00	10,974.09	6,227.00	213.59	94.82	-90.00	5,257.36	-86.93	7,083.20	6,985.72	97.48	72.662	
18,200.00	6,227.00	10,974.09	6,227.00	215.33	94.82	-90.00	5,257.36	-86.93	7,176.97	7,080.03	96.94	74.033	
18,300.00	6,227.00	10,974.09	6,227.00	217.07	94.82	-90.00	5,257.36	-86.93	7,270.92	7,174.49	96.42	75.406	
18,400.00	6,227.00	10,974.09	6,227.00	218.81	94.82	-90.00	5,257.36	-86.93	7,365.02	7,269.10	95.92	76.783	
18,500.00	6,227.00	10,974.09	6,227.00	220.55	94.82	-90.00	5,257.36	-86.93	7,459.27	7,363.84	95.43	78.162	
18,600.00	6,227.00	10,974.09	6,227.00	222.29	94.82	-90.00	5,257.36	-86.93	7,553.67	7,458.71	94.96	79.543	
18,700.00	6,227.00	10,974.09	6,227.00	224.03	94.82	-90.00	5,257.36	-86.93	7,648.22	7,553.71	94.51	80.927	
18,800.00	6,227.00	10,974.09	6,227.00	225.78	94.82	-90.00	5,257.36	-86.93	7,742.90	7,648.83	94.07	82.313	
18,900.00	6,227.00	10,974.09	6,227.00	227.52	94.82	-90.00	5,257.36	-86.93	7,837.71	7,744.07	93.64	83.700	
19,000.00	6,227.00	10,974.09	6,227.00	229.26	94.82	-90.00	5,257.36	-86.93	7,932.66	7,839.43	93.23	85.089	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-01 - 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		
19,100.00	6,227.00	10,974.09	6,227.00	231.01	94.82	-90.00	5,257.36	-86.93	8,027.72	7,934.89	92.83	86.479		
19,200.00	6,227.00	10,974.09	6,227.00	232.75	94.82	-90.00	5,257.36	-86.93	8,122.90	8,030.46	92.44	87.870		
19,300.00	6,227.00	10,974.09	6,227.00	234.50	94.82	-90.00	5,257.36	-86.93	8,218.20	8,126.13	92.07	89.262		
19,400.00	6,227.00	10,974.09	6,227.00	236.25	94.82	-90.00	5,257.36	-86.93	8,313.61	8,221.90	91.71	90.654		
19,500.00	6,227.00	10,974.09	6,227.00	237.99	94.82	-90.00	5,257.36	-86.93	8,409.12	8,317.76	91.36	92.047		
19,600.00	6,227.00	10,974.09	6,227.00	239.74	94.82	-90.00	5,257.36	-86.93	8,504.74	8,413.72	91.02	93.440		
19,700.00	6,227.00	10,974.09	6,227.00	241.49	94.82	-90.00	5,257.36	-86.93	8,600.46	8,509.77	90.69	94.833		
19,800.00	6,227.00	10,974.09	6,227.00	243.24	94.82	-90.00	5,257.36	-86.93	8,696.27	8,605.90	90.37	96.227		
19,900.00	6,227.00	10,974.09	6,227.00	244.98	94.82	-90.00	5,257.36	-86.93	8,792.18	8,702.11	90.07	97.620		
20,000.00	6,227.00	10,974.09	6,227.00	246.73	94.82	-90.00	5,257.36	-86.93	8,888.17	8,798.40	89.77	99.012		
20,100.00	6,227.00	10,974.09	6,227.00	248.48	94.82	-90.00	5,257.36	-86.93	8,984.26	8,894.78	89.48	100.404		
20,200.00	6,227.00	10,974.09	6,227.00	250.23	94.82	-90.00	5,257.36	-86.93	9,080.43	8,991.22	89.20	101.796		
20,300.00	6,227.00	10,974.09	6,227.00	251.98	94.82	-90.00	5,257.36	-86.93	9,176.68	9,087.74	88.93	103.186		
20,400.00	6,227.00	10,974.09	6,227.00	253.73	94.82	-90.00	5,257.36	-86.93	9,273.01	9,184.33	88.67	104.576		
20,500.00	6,227.00	10,974.09	6,227.00	255.49	94.82	-90.00	5,257.36	-86.93	9,369.41	9,280.99	88.42	105.965		
20,600.00	6,227.00	10,974.09	6,227.00	257.24	94.82	-90.00	5,257.36	-86.93	9,465.90	9,377.72	88.18	107.352		
20,700.00	6,227.00	10,974.09	6,227.00	258.99	94.82	-90.00	5,257.36	-86.93	9,562.45	9,474.51	87.94	108.738		
20,800.00	6,227.00	10,974.09	6,227.00	260.74	94.82	-90.00	5,257.36	-86.93	9,659.07	9,571.36	87.71	110.123		
20,900.00	6,227.00	10,974.09	6,227.00	262.49	94.82	-90.00	5,257.36	-86.93	9,755.77	9,668.27	87.49	111.506		
21,000.00	6,227.00	10,974.09	6,227.00	264.25	94.82	-90.00	5,257.36	-86.93	9,852.52	9,765.25	87.28	112.887		
21,100.00	6,227.00	10,974.09	6,227.00	266.00	94.82	-90.00	5,257.36	-86.93	9,949.35	9,862.27	87.07	114.267		
21,200.00	6,227.00	10,974.09	6,227.00	267.75	94.82	-90.00	5,257.36	-86.93	10,046.23	9,959.36	86.87	115.645		

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-105.59	-33.51	-120.11	124.70				
100.00	100.00	100.00	100.00	0.27	0.27	-105.59	-33.51	-120.11	124.70	124.16	0.54	231.906	
200.00	200.00	200.00	200.00	0.63	0.63	-105.59	-33.51	-120.11	124.70	123.44	1.25	99.388	
300.00	300.00	300.00	300.00	0.99	0.99	-105.59	-33.51	-120.11	124.70	122.73	1.97	63.247	
400.00	400.00	400.00	400.00	1.34	1.34	-105.59	-33.51	-120.11	124.70	122.01	2.69	46.381	CC, ES
500.00	499.98	499.98	499.98	1.70	1.70	172.46	-33.51	-120.11	126.43	123.03	3.40	37.195	
600.00	599.84	599.84	599.84	2.05	2.06	172.75	-33.51	-120.11	131.62	127.51	4.11	32.030	
700.00	699.45	699.45	699.45	2.41	2.42	173.18	-33.51	-120.11	140.27	135.44	4.82	29.082	
800.00	798.70	803.87	803.85	2.79	2.79	173.96	-32.47	-118.54	150.69	145.14	5.55	27.162	
900.00	897.47	908.61	908.43	3.19	3.16	175.24	-29.32	-113.78	161.19	154.92	6.27	25.707	
1,000.00	995.62	1,013.61	1,012.98	3.62	3.54	176.92	-24.04	-105.81	171.85	164.86	6.99	24.568	
1,100.00	1,093.06	1,113.97	1,112.67	4.09	3.91	178.70	-17.61	-96.10	183.81	176.08	7.72	23.803	
1,200.00	1,189.64	1,212.63	1,210.65	4.59	4.28	-179.75	-11.23	-86.49	199.30	190.84	8.46	23.571	
1,300.00	1,285.27	1,310.68	1,308.03	5.14	4.66	-178.45	-4.90	-76.93	218.35	209.15	9.19	23.750	
1,400.00	1,379.82	1,408.02	1,404.69	5.74	5.04	-177.37	1.39	-67.44	240.90	230.96	9.94	24.241	
1,500.00	1,473.17	1,504.51	1,500.52	6.40	5.41	-176.52	7.62	-58.03	266.89	256.20	10.69	24.974	
1,600.00	1,565.21	1,600.04	1,595.40	7.12	5.78	-175.85	13.79	-48.72	296.27	284.83	11.44	25.898	
1,614.66	1,578.59	1,613.96	1,609.23	7.23	5.84	-175.76	14.69	-47.36	300.86	289.30	11.55	26.038	
1,700.00	1,656.38	1,694.91	1,689.62	7.88	6.16	-175.36	19.91	-39.47	327.78	315.59	12.19	26.880	
1,800.00	1,747.52	1,789.77	1,783.83	8.67	6.53	-174.96	26.04	-30.23	359.35	346.40	12.95	27.749	
1,900.00	1,838.67	1,884.63	1,878.04	9.47	6.91	-174.62	32.17	-20.98	390.93	377.22	13.71	28.510	
2,000.00	1,929.81	1,979.49	1,972.25	10.28	7.28	-174.34	38.29	-11.73	422.53	408.05	14.48	29.180	
2,100.00	2,020.96	2,074.35	2,066.46	11.10	7.66	-174.09	44.42	-2.49	454.13	438.88	15.25	29.776	
2,200.00	2,112.10	2,169.21	2,160.67	11.92	8.04	-173.88	50.55	6.76	485.73	469.71	16.03	30.307	
2,300.00	2,203.25	2,264.07	2,254.88	12.75	8.42	-173.69	56.67	16.01	517.35	500.54	16.81	30.783	
2,400.00	2,294.39	2,358.93	2,349.08	13.59	8.80	-173.53	62.80	25.25	548.96	531.37	17.59	31.212	
2,500.00	2,385.54	2,453.79	2,443.29	14.43	9.18	-173.38	68.93	34.50	580.58	562.21	18.37	31.600	
2,600.00	2,476.68	2,548.65	2,537.50	15.27	9.56	-173.25	75.05	43.75	612.20	593.05	19.16	31.953	
2,700.00	2,567.83	2,643.51	2,631.71	16.11	9.94	-173.13	81.18	52.99	643.83	623.88	19.95	32.275	
2,800.00	2,658.97	2,738.37	2,725.92	16.96	10.32	-173.02	87.31	62.24	675.46	654.72	20.74	32.570	
2,900.00	2,750.12	2,833.23	2,820.13	17.80	10.70	-172.92	93.43	71.49	707.09	685.56	21.53	32.841	
3,000.00	2,841.26	2,928.08	2,914.34	18.65	11.09	-172.83	99.56	80.73	738.72	716.40	22.32	33.091	
3,100.00	2,932.41	3,022.94	3,008.54	19.50	11.47	-172.75	105.68	89.98	770.35	747.23	23.12	33.322	
3,200.00	3,023.55	3,117.80	3,102.75	20.35	11.85	-172.67	111.81	99.23	801.99	778.07	23.91	33.536	
3,300.00	3,114.70	3,212.66	3,196.96	21.21	12.23	-172.60	117.94	108.47	833.62	808.91	24.71	33.735	
3,400.00	3,205.84	3,307.52	3,291.17	22.06	12.62	-172.54	124.06	117.72	865.26	839.75	25.51	33.920	
3,500.00	3,296.99	3,402.38	3,385.38	22.92	13.00	-172.48	130.19	126.97	896.90	870.59	26.31	34.093	
3,600.00	3,388.13	3,497.24	3,479.59	23.77	13.38	-172.42	136.32	136.21	928.54	901.43	27.11	34.255	
3,700.00	3,479.28	3,592.10	3,573.80	24.63	13.76	-172.37	142.44	145.46	960.17	932.27	27.91	34.406	
3,800.00	3,570.42	3,686.96	3,668.00	25.48	14.15	-172.32	148.57	154.71	991.81	963.11	28.71	34.549	
3,900.00	3,661.57	3,781.82	3,762.21	26.34	14.53	-172.27	154.70	163.95	1,023.46	993.95	29.51	34.683	
4,000.00	3,752.71	3,876.68	3,856.42	27.20	14.91	-172.23	160.82	173.20	1,055.10	1,024.79	30.31	34.809	
4,100.00	3,843.86	3,971.54	3,950.63	28.05	15.30	-172.19	166.95	182.45	1,086.74	1,055.62	31.11	34.928	
4,200.00	3,935.00	4,066.40	4,044.84	28.91	15.68	-172.15	173.08	191.69	1,118.38	1,086.46	31.92	35.041	
4,300.00	4,026.15	4,161.26	4,139.05	29.77	16.07	-172.11	179.20	200.94	1,150.02	1,117.30	32.72	35.147	
4,400.00	4,117.29	4,256.11	4,233.25	30.63	16.45	-172.08	185.33	210.19	1,181.67	1,148.14	33.52	35.248	
4,500.00	4,208.44	4,350.97	4,327.46	31.49	16.83	-172.05	191.46	219.43	1,213.31	1,178.98	34.33	35.344	
4,600.00	4,299.58	4,445.83	4,421.67	32.35	17.22	-172.02	197.58	228.68	1,244.95	1,209.82	35.13	35.435	
4,700.00	4,390.73	4,540.69	4,515.88	33.21	17.60	-171.99	203.71	237.93	1,276.60	1,240.66	35.94	35.522	
4,800.00	4,481.88	4,635.55	4,610.09	34.07	17.99	-171.96	209.83	247.17	1,308.24	1,271.50	36.74	35.605	
4,900.00	4,573.02	4,730.41	4,704.30	34.93	18.37	-171.93	215.96	256.42	1,339.89	1,302.34	37.55	35.683	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-02 - 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	
5,000.00	4,664.17	4,825.27	4,798.51	35.79	18.75	-171.91	222.09	265.67	1,371.53	1,333.17	38.36	35.759	
5,100.00	4,755.31	4,920.13	4,892.71	36.65	19.14	-171.88	228.21	274.91	1,403.17	1,364.01	39.16	35.830	
5,200.00	4,846.46	5,014.99	4,986.92	37.51	19.52	-171.86	234.34	284.16	1,434.82	1,394.85	39.97	35.899	
5,300.00	4,937.60	5,109.85	5,081.13	38.37	19.91	-171.84	240.47	293.41	1,466.47	1,425.69	40.78	35.965	
5,400.00	5,028.75	5,204.71	5,175.34	39.23	20.29	-171.81	246.59	302.65	1,498.11	1,456.53	41.58	36.027	
5,500.00	5,119.89	5,299.57	5,269.55	40.09	20.68	-171.79	252.72	311.90	1,529.76	1,487.37	42.39	36.088	
5,600.00	5,211.04	5,394.43	5,363.76	40.96	21.06	-171.77	258.85	321.15	1,561.40	1,518.20	43.20	36.145	
5,700.00	5,302.18	5,489.29	5,457.97	41.82	21.45	-171.76	264.97	330.39	1,593.05	1,549.04	44.01	36.201	
5,800.00	5,393.33	5,584.14	5,552.17	42.68	21.83	-171.74	271.10	339.64	1,624.69	1,579.88	44.81	36.254	
5,900.00	5,484.47	5,679.00	5,646.38	43.54	22.22	-171.72	277.23	348.89	1,656.34	1,610.72	45.62	36.305	
6,000.00	5,575.62	5,777.31	5,743.81	44.40	22.62	-171.63	285.70	358.50	1,687.94	1,641.47	46.48	36.319	
6,100.00	5,666.76	5,876.32	5,839.43	45.26	23.08	-171.01	308.96	368.29	1,719.29	1,671.84	47.45	36.235	
6,175.79	5,735.84	5,946.14	5,903.74	45.92	23.42	-170.25	335.15	375.12	1,743.12	1,694.90	48.22	36.147	
6,200.00	5,757.87	5,967.39	5,922.63	46.13	23.53	-163.95	344.66	377.17	1,750.78	1,702.30	48.48	36.116	
6,250.00	5,803.02	6,010.59	5,959.88	46.56	23.76	-151.79	366.13	381.28	1,766.55	1,717.55	49.00	36.049	
6,300.00	5,847.42	6,052.97	5,994.74	46.99	23.99	-141.11	389.88	385.21	1,782.15	1,732.61	49.54	35.973	
6,350.00	5,890.72	6,094.65	6,027.23	47.41	24.23	-132.00	415.70	388.96	1,797.43	1,747.34	50.09	35.883	
6,400.00	5,932.60	6,135.73	6,057.34	47.83	24.47	-124.33	443.42	392.52	1,812.25	1,761.60	50.65	35.780	
6,450.00	5,972.74	6,176.32	6,085.06	48.23	24.72	-117.89	472.85	395.90	1,826.49	1,775.28	51.21	35.664	
6,500.00	6,010.83	6,216.47	6,110.37	48.61	24.97	-112.48	503.85	399.08	1,840.02	1,788.24	51.78	35.534	
6,550.00	6,046.58	6,256.25	6,133.25	48.98	25.24	-107.92	536.24	402.06	1,852.73	1,800.37	52.35	35.388	
6,600.00	6,079.73	6,300.00	6,155.76	49.33	25.55	-104.04	573.62	405.12	1,864.51	1,811.50	53.00	35.176	
6,650.00	6,110.01	6,334.89	6,171.64	49.67	25.80	-100.82	604.61	407.38	1,875.25	1,821.74	53.51	35.046	
6,700.00	6,137.21	6,373.83	6,187.09	49.98	26.10	-98.09	640.26	409.72	1,884.88	1,830.79	54.09	34.849	
6,750.00	6,161.10	6,412.54	6,200.03	50.28	26.40	-95.83	676.68	411.83	1,893.32	1,838.65	54.67	34.634	
6,800.00	6,181.52	6,450.00	6,210.19	50.55	26.71	-93.98	712.68	413.67	1,900.48	1,845.26	55.22	34.414	
6,850.00	6,198.29	6,489.38	6,218.32	50.81	27.04	-92.50	751.16	415.36	1,906.33	1,850.50	55.83	34.147	
6,900.00	6,211.31	6,527.53	6,223.67	51.05	27.38	-91.37	788.90	416.77	1,910.80	1,854.39	56.41	33.874	
6,950.00	6,220.46	6,565.51	6,226.50	51.27	27.71	-90.58	826.75	417.94	1,913.87	1,856.88	56.99	33.582	
7,000.00	6,225.68	6,607.75	6,227.00	51.47	28.10	-90.10	868.98	418.99	1,915.48	1,857.81	57.68	33.211	
7,040.67	6,227.00	6,648.40	6,227.00	51.63	28.49	-90.00	909.61	419.95	1,915.54	1,857.14	58.40	32.801	
7,100.00	6,227.00	6,707.72	6,227.00	51.85	29.07	-90.00	968.91	421.36	1,914.76	1,855.28	59.49	32.187	
7,200.00	6,227.00	6,807.71	6,227.00	52.25	30.11	-90.00	1,068.88	423.73	1,913.46	1,852.00	61.46	31.135	
7,300.00	6,227.00	6,907.70	6,227.00	52.70	31.22	-90.00	1,168.84	426.09	1,912.15	1,848.60	63.56	30.084	
7,400.00	6,227.00	7,007.69	6,227.00	53.18	32.38	-90.00	1,268.80	428.46	1,910.85	1,845.06	65.79	29.047	
7,500.00	6,227.00	7,107.69	6,227.00	53.71	33.60	-90.00	1,368.77	430.83	1,909.55	1,841.42	68.12	28.032	
7,600.00	6,227.00	7,207.68	6,227.00	54.28	34.87	-90.00	1,468.73	433.20	1,908.24	1,837.68	70.56	27.046	
7,700.00	6,227.00	7,307.67	6,227.00	54.89	36.18	-90.00	1,568.70	435.56	1,906.94	1,833.85	73.08	26.093	
7,800.00	6,227.00	7,407.66	6,227.00	55.55	37.52	-90.00	1,668.66	437.93	1,905.63	1,829.94	75.69	25.178	
7,900.00	6,227.00	7,507.65	6,227.00	56.25	38.90	-90.00	1,768.62	440.30	1,904.33	1,825.96	78.37	24.301	
8,000.00	6,227.00	7,607.64	6,227.00	56.99	40.31	-90.00	1,868.59	442.66	1,903.02	1,821.91	81.11	23.463	
8,100.00	6,227.00	7,707.63	6,227.00	57.78	41.75	-90.00	1,968.55	445.03	1,901.72	1,817.81	83.91	22.663	
8,200.00	6,227.00	7,807.63	6,227.00	58.62	43.21	-90.00	2,068.51	447.40	1,900.41	1,813.64	86.77	21.902	
8,300.00	6,227.00	7,907.62	6,227.00	59.49	44.70	-90.00	2,168.48	449.77	1,899.11	1,809.43	89.67	21.178	
8,400.00	6,227.00	8,007.61	6,227.00	60.41	46.20	-90.00	2,268.44	452.13	1,897.80	1,805.18	92.62	20.490	
8,500.00	6,227.00	8,107.60	6,227.00	61.37	47.72	-90.00	2,368.40	454.50	1,896.50	1,800.89	95.61	19.836	
8,600.00	6,227.00	8,207.59	6,227.00	62.37	49.26	-90.00	2,468.37	456.87	1,895.19	1,796.56	98.63	19.215	
8,700.00	6,227.00	8,307.58	6,227.00	63.41	50.82	-90.00	2,568.33	459.23	1,893.89	1,792.20	101.69	18.624	
8,800.00	6,227.00	8,407.57	6,227.00	64.49	52.38	-90.00	2,668.29	461.60	1,892.58	1,787.81	104.78	18.063	
8,900.00	6,227.00	8,507.57	6,227.00	65.60	53.96	-90.00	2,768.26	463.97	1,891.28	1,783.39	107.89	17.529	
9,000.00	6,227.00	8,607.56	6,227.00	66.74	55.55	-90.00	2,868.22	466.34	1,889.97	1,778.94	111.03	17.022	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-02 - 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	
9,100.00	6,227.00	8,707.55	6,227.00	67.92	57.15	-90.00	2,968.18	468.70	1,888.67	1,774.47	114.20	16.539	
9,200.00	6,227.00	8,807.54	6,227.00	69.13	58.76	-90.00	3,068.15	471.07	1,887.36	1,769.98	117.38	16.079	
9,300.00	6,227.00	8,907.53	6,227.00	70.37	60.38	-90.00	3,168.11	473.44	1,886.06	1,765.47	120.59	15.641	
9,400.00	6,227.00	9,007.52	6,227.00	71.63	62.01	-90.00	3,268.07	475.81	1,884.76	1,760.95	123.81	15.223	
9,500.00	6,227.00	9,107.51	6,227.00	72.92	63.64	-90.00	3,368.04	478.17	1,883.45	1,756.40	127.05	14.825	
9,600.00	6,227.00	9,207.51	6,227.00	74.23	65.29	-90.00	3,468.00	480.54	1,882.15	1,751.84	130.30	14.444	
9,700.00	6,227.00	9,307.50	6,227.00	75.57	66.93	-90.00	3,567.96	482.91	1,880.84	1,747.27	133.57	14.081	
9,800.00	6,227.00	9,407.49	6,227.00	76.93	68.59	-90.00	3,667.93	485.27	1,879.54	1,742.68	136.85	13.734	
9,900.00	6,227.00	9,507.48	6,227.00	78.31	70.25	-90.00	3,767.89	487.64	1,878.23	1,738.08	140.15	13.402	
10,000.00	6,227.00	9,607.47	6,227.00	79.71	71.91	-90.00	3,867.85	490.01	1,876.93	1,733.47	143.46	13.084	
10,100.00	6,227.00	9,707.46	6,227.00	81.12	73.58	-90.00	3,967.82	492.38	1,875.62	1,728.85	146.77	12.779	
10,200.00	6,227.00	9,807.46	6,227.00	82.55	75.26	-90.00	4,067.78	494.74	1,874.32	1,724.22	150.10	12.487	
10,300.00	6,227.00	9,907.45	6,227.00	84.00	76.93	-90.00	4,167.75	497.11	1,873.01	1,719.58	153.44	12.207	
10,400.00	6,227.00	10,007.44	6,227.00	85.46	78.62	-90.00	4,267.71	499.48	1,871.71	1,714.93	156.78	11.938	
10,500.00	6,227.00	10,107.43	6,227.00	86.94	80.30	-90.00	4,367.67	501.85	1,870.40	1,710.27	160.14	11.680	
10,600.00	6,227.00	10,207.42	6,227.00	88.43	81.99	-90.00	4,467.64	504.21	1,869.10	1,705.60	163.50	11.432	
10,700.00	6,227.00	10,307.41	6,227.00	89.93	83.68	-90.00	4,567.60	506.58	1,867.79	1,700.93	166.87	11.193	
10,800.00	6,227.00	10,407.40	6,227.00	91.44	85.38	-90.00	4,667.56	508.95	1,866.49	1,696.25	170.24	10.964	
10,900.00	6,227.00	10,507.40	6,227.00	92.96	87.08	-90.00	4,767.53	511.31	1,865.18	1,691.56	173.62	10.743	
11,000.00	6,227.00	10,607.39	6,227.00	94.50	88.78	-90.00	4,867.49	513.68	1,863.88	1,686.87	177.01	10.530	
11,100.00	6,227.00	10,707.38	6,227.00	96.04	90.48	-90.00	4,967.45	516.05	1,862.57	1,682.17	180.41	10.324	
11,200.00	6,227.00	10,807.37	6,227.00	97.59	92.18	-90.00	5,067.42	518.42	1,861.27	1,677.46	183.81	10.126	
11,300.00	6,227.00	10,907.36	6,227.00	99.15	93.89	-90.00	5,167.38	520.78	1,859.97	1,672.76	187.21	9.935	
11,400.00	6,227.00	10,999.56	6,227.00	100.72	95.47	-90.00	5,259.55	522.97	1,858.68	1,668.35	190.33	9.766 SF	
11,416.50	6,227.00	10,999.56	6,227.00	100.98	95.47	-90.00	5,259.55	522.97	1,858.60	1,668.34	190.26	9.769	
11,500.00	6,227.00	10,999.56	6,227.00	102.30	95.47	-90.00	5,259.55	522.97	1,860.48	1,670.74	189.74	9.805	
11,600.00	6,227.00	10,999.56	6,227.00	103.88	95.47	-90.00	5,259.55	522.97	1,867.64	1,678.97	188.67	9.899	
11,700.00	6,227.00	10,999.56	6,227.00	105.47	95.47	-90.00	5,259.55	522.97	1,880.11	1,692.95	187.16	10.046	
11,743.45	6,227.00	10,999.56	6,227.00	106.17	95.47	-90.00	5,259.55	522.97	1,887.15	1,700.79	186.36	10.126	
11,808.25	6,227.00	10,999.56	6,227.00	107.20	95.47	-90.00	5,259.55	522.97	1,898.73	1,713.70	185.04	10.261	
11,900.00	6,227.00	10,999.56	6,227.00	108.66	95.47	-90.00	5,259.55	522.97	1,917.75	1,734.87	182.88	10.486	
12,000.00	6,227.00	10,999.56	6,227.00	110.26	95.47	-90.00	5,259.55	522.97	1,943.21	1,762.99	180.21	10.783	
12,100.00	6,227.00	10,999.56	6,227.00	111.86	95.47	-90.00	5,259.55	522.97	1,973.41	1,796.16	177.25	11.134	
12,200.00	6,227.00	10,999.56	6,227.00	113.47	95.47	-90.00	5,259.55	522.97	2,008.14	1,834.09	174.05	11.538	
12,300.00	6,227.00	10,999.56	6,227.00	115.08	95.47	-90.00	5,259.55	522.97	2,047.17	1,876.51	170.66	11.996	
12,400.00	6,227.00	10,999.56	6,227.00	116.70	95.47	-90.00	5,259.55	522.97	2,090.26	1,923.13	167.13	12.507	
12,500.00	6,227.00	10,999.56	6,227.00	118.33	95.47	-90.00	5,259.55	522.97	2,137.16	1,973.64	163.52	13.070	
12,600.00	6,227.00	10,999.56	6,227.00	119.96	95.47	-90.00	5,259.55	522.97	2,187.64	2,027.77	159.86	13.685	
12,700.00	6,227.00	10,999.56	6,227.00	121.60	95.47	-90.00	5,259.55	522.97	2,241.44	2,085.24	156.19	14.350	
12,800.00	6,227.00	10,999.56	6,227.00	123.24	95.47	-90.00	5,259.55	522.97	2,298.33	2,145.78	152.55	15.066	
12,900.00	6,227.00	10,999.56	6,227.00	124.88	95.47	-90.00	5,259.55	522.97	2,358.09	2,209.14	148.95	15.831	
13,000.00	6,227.00	10,999.56	6,227.00	126.53	95.47	-90.00	5,259.55	522.97	2,420.51	2,275.08	145.43	16.644	
13,100.00	6,227.00	10,999.56	6,227.00	128.18	95.47	-90.00	5,259.55	522.97	2,485.39	2,343.40	141.99	17.504	
13,200.00	6,227.00	10,999.56	6,227.00	129.84	95.47	-90.00	5,259.55	522.97	2,552.54	2,413.88	138.66	18.409	
13,300.00	6,227.00	10,999.56	6,227.00	131.50	95.47	-90.00	5,259.55	522.97	2,621.78	2,486.35	135.44	19.358	
13,400.00	6,227.00	10,999.56	6,227.00	133.16	95.47	-90.00	5,259.55	522.97	2,692.96	2,560.63	132.33	20.351	
13,500.00	6,227.00	10,999.56	6,227.00	134.83	95.47	-90.00	5,259.55	522.97	2,765.92	2,636.58	129.34	21.384	
13,600.00	6,227.00	10,999.56	6,227.00	136.50	95.47	-90.00	5,259.55	522.97	2,840.53	2,714.05	126.48	22.458	
13,700.00	6,227.00	10,999.56	6,227.00	138.17	95.47	-90.00	5,259.55	522.97	2,916.65	2,792.91	123.74	23.570	
13,800.00	6,227.00	10,999.56	6,227.00	139.85	95.47	-90.00	5,259.55	522.97	2,994.19	2,873.06	121.13	24.720	
13,900.00	6,227.00	10,999.56	6,227.00	141.53	95.47	-90.00	5,259.55	522.97	3,073.02	2,954.39	118.63	25.904	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-02 - 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	
14,000.00	6,227.00	10,999.56	6,227.00	143.21	95.47	-90.00	5,259.55	522.97	3,153.05	3,036.80	116.25	27.123	
14,100.00	6,227.00	10,999.56	6,227.00	144.89	95.47	-90.00	5,259.55	522.97	3,234.19	3,120.21	113.99	28.373	
14,200.00	6,227.00	10,999.56	6,227.00	146.58	95.47	-90.00	5,259.55	522.97	3,316.37	3,204.53	111.83	29.654	
14,300.00	6,227.00	10,999.56	6,227.00	148.26	95.47	-90.00	5,259.55	522.97	3,399.50	3,289.71	109.79	30.964	
14,400.00	6,227.00	10,999.56	6,227.00	149.96	95.47	-90.00	5,259.55	522.97	3,483.51	3,375.67	107.84	32.302	
14,500.00	6,227.00	10,999.56	6,227.00	151.65	95.47	-90.00	5,259.55	522.97	3,568.35	3,462.36	105.99	33.666	
14,600.00	6,227.00	10,999.56	6,227.00	153.34	95.47	-90.00	5,259.55	522.97	3,653.96	3,549.72	104.24	35.053	
14,700.00	6,227.00	10,999.56	6,227.00	155.04	95.47	-90.00	5,259.55	522.97	3,740.28	3,637.71	102.57	36.464	
14,800.00	6,227.00	10,999.56	6,227.00	156.74	95.47	-90.00	5,259.55	522.97	3,827.27	3,726.28	100.99	37.896	
14,900.00	6,227.00	10,999.56	6,227.00	158.44	95.47	-90.00	5,259.55	522.97	3,914.88	3,815.38	99.49	39.348	
15,000.00	6,227.00	10,999.56	6,227.00	160.14	95.47	-90.00	5,259.55	522.97	4,003.07	3,905.00	98.07	40.818	
15,100.00	6,227.00	10,999.56	6,227.00	161.85	95.47	-90.00	5,259.55	522.97	4,091.80	3,995.08	96.72	42.305	
15,200.00	6,227.00	10,999.56	6,227.00	163.56	95.47	-90.00	5,259.55	522.97	4,181.04	4,085.61	95.44	43.808	
15,300.00	6,227.00	10,999.56	6,227.00	165.26	95.47	-90.00	5,259.55	522.97	4,270.76	4,176.54	94.22	45.326	
15,400.00	6,227.00	10,999.56	6,227.00	166.97	95.47	-90.00	5,259.55	522.97	4,360.93	4,267.86	93.07	46.857	
15,500.00	6,227.00	10,999.56	6,227.00	168.68	95.47	-90.00	5,259.55	522.97	4,451.51	4,359.54	91.97	48.400	
15,600.00	6,227.00	10,999.56	6,227.00	170.40	95.47	-90.00	5,259.55	522.97	4,542.50	4,451.56	90.93	49.953	
15,700.00	6,227.00	10,999.56	6,227.00	172.11	95.47	-90.00	5,259.55	522.97	4,633.85	4,543.90	89.95	51.517	
15,800.00	6,227.00	10,999.56	6,227.00	173.83	95.47	-90.00	5,259.55	522.97	4,725.55	4,636.54	89.01	53.089	
15,900.00	6,227.00	10,999.56	6,227.00	175.54	95.47	-90.00	5,259.55	522.97	4,817.58	4,729.46	88.12	54.669	
16,000.00	6,227.00	10,999.56	6,227.00	177.26	95.47	-90.00	5,259.55	522.97	4,909.93	4,822.65	87.28	56.255	
16,100.00	6,227.00	10,999.56	6,227.00	178.98	95.47	-90.00	5,259.55	522.97	5,002.57	4,916.09	86.48	57.847	
16,200.00	6,227.00	10,999.56	6,227.00	180.70	95.47	-90.00	5,259.55	522.97	5,095.49	5,009.77	85.72	59.445	
16,300.00	6,227.00	10,999.56	6,227.00	182.42	95.47	-90.00	5,259.55	522.97	5,188.67	5,103.67	85.00	61.046	
16,400.00	6,227.00	10,999.56	6,227.00	184.15	95.47	-90.00	5,259.55	522.97	5,282.10	5,197.79	84.31	62.651	
16,500.00	6,227.00	10,999.56	6,227.00	185.87	95.47	-90.00	5,259.55	522.97	5,375.76	5,292.10	83.66	64.258	
16,600.00	6,227.00	10,999.56	6,227.00	187.60	95.47	-90.00	5,259.55	522.97	5,469.65	5,386.61	83.04	65.867	
16,700.00	6,227.00	10,999.56	6,227.00	189.32	95.47	-90.00	5,259.55	522.97	5,563.76	5,481.30	82.45	67.478	
16,800.00	6,227.00	10,999.56	6,227.00	191.05	95.47	-90.00	5,259.55	522.97	5,658.06	5,576.17	81.90	69.089	
16,900.00	6,227.00	10,999.56	6,227.00	192.78	95.47	-90.00	5,259.55	522.97	5,752.56	5,671.20	81.37	70.700	
17,000.00	6,227.00	10,999.56	6,227.00	194.51	95.47	-90.00	5,259.55	522.97	5,847.24	5,766.38	80.86	72.311	
17,100.00	6,227.00	10,999.56	6,227.00	196.24	95.47	-90.00	5,259.55	522.97	5,942.10	5,861.71	80.38	73.921	
17,200.00	6,227.00	10,999.56	6,227.00	197.97	95.47	-90.00	5,259.55	522.97	6,037.12	5,957.19	79.93	75.530	
17,300.00	6,227.00	10,999.56	6,227.00	199.70	95.47	-90.00	5,259.55	522.97	6,132.30	6,052.80	79.50	77.136	
17,400.00	6,227.00	10,999.56	6,227.00	201.44	95.47	-90.00	5,259.55	522.97	6,227.63	6,148.54	79.09	78.741	
17,500.00	6,227.00	10,999.56	6,227.00	203.17	95.47	-90.00	5,259.55	522.97	6,323.11	6,244.40	78.70	80.342	
17,600.00	6,227.00	10,999.56	6,227.00	204.90	95.47	-90.00	5,259.55	522.97	6,418.72	6,340.38	78.33	81.941	
17,700.00	6,227.00	10,999.56	6,227.00	206.64	95.47	-90.00	5,259.55	522.97	6,514.46	6,436.48	77.98	83.537	
17,800.00	6,227.00	10,999.56	6,227.00	208.38	95.47	-90.00	5,259.55	522.97	6,610.33	6,532.68	77.65	85.128	
17,900.00	6,227.00	10,999.56	6,227.00	210.11	95.47	-90.00	5,259.55	522.97	6,706.32	6,628.99	77.34	86.716	
18,000.00	6,227.00	10,999.56	6,227.00	211.85	95.47	-90.00	5,259.55	522.97	6,802.43	6,725.39	77.04	88.300	
18,100.00	6,227.00	10,999.56	6,227.00	213.59	95.47	-90.00	5,259.55	522.97	6,898.65	6,821.90	76.75	89.880	
18,200.00	6,227.00	10,999.56	6,227.00	215.33	95.47	-90.00	5,259.55	522.97	6,994.97	6,918.49	76.49	91.455	
18,300.00	6,227.00	10,999.56	6,227.00	217.07	95.47	-90.00	5,259.55	522.97	7,091.40	7,015.17	76.23	93.025	
18,400.00	6,227.00	10,999.56	6,227.00	218.81	95.47	-90.00	5,259.55	522.97	7,187.92	7,111.93	75.99	94.591	
18,500.00	6,227.00	10,999.56	6,227.00	220.55	95.47	-90.00	5,259.55	522.97	7,284.54	7,208.78	75.76	96.151	
18,600.00	6,227.00	10,999.56	6,227.00	222.29	95.47	-90.00	5,259.55	522.97	7,381.25	7,305.70	75.55	97.706	
18,700.00	6,227.00	10,999.56	6,227.00	224.03	95.47	-90.00	5,259.55	522.97	7,478.04	7,402.70	75.34	99.256	
18,800.00	6,227.00	10,999.56	6,227.00	225.78	95.47	-90.00	5,259.55	522.97	7,574.92	7,499.77	75.15	100.800	
18,900.00	6,227.00	10,999.56	6,227.00	227.52	95.47	-90.00	5,259.55	522.97	7,671.87	7,596.91	74.97	102.339	
19,000.00	6,227.00	10,999.56	6,227.00	229.26	95.47	-90.00	5,259.55	522.97	7,768.91	7,694.11	74.79	103.872	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-02 - 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	
19,100.00	6,227.00	10,999.56	6,227.00	231.01	95.47	-90.00	5,259.55	522.97	7,866.02	7,791.39	74.63	105.400	
19,200.00	6,227.00	10,999.56	6,227.00	232.75	95.47	-90.00	5,259.55	522.97	7,963.20	7,888.72	74.48	106.921	
19,300.00	6,227.00	10,999.56	6,227.00	234.50	95.47	-90.00	5,259.55	522.97	8,060.44	7,986.11	74.33	108.437	
19,400.00	6,227.00	10,999.56	6,227.00	236.25	95.47	-90.00	5,259.55	522.97	8,157.76	8,083.56	74.20	109.947	
19,500.00	6,227.00	10,999.56	6,227.00	237.99	95.47	-90.00	5,259.55	522.97	8,255.14	8,181.07	74.07	111.451	
19,600.00	6,227.00	10,999.56	6,227.00	239.74	95.47	-90.00	5,259.55	522.97	8,352.58	8,278.63	73.95	112.949	
19,700.00	6,227.00	10,999.56	6,227.00	241.49	95.47	-90.00	5,259.55	522.97	8,450.08	8,376.25	73.84	114.441	
19,800.00	6,227.00	10,999.56	6,227.00	243.24	95.47	-90.00	5,259.55	522.97	8,547.64	8,473.91	73.73	115.927	
19,900.00	6,227.00	10,999.56	6,227.00	244.98	95.47	-90.00	5,259.55	522.97	8,645.26	8,571.62	73.64	117.407	
20,000.00	6,227.00	10,999.56	6,227.00	246.73	95.47	-90.00	5,259.55	522.97	8,742.93	8,669.38	73.54	118.881	
20,100.00	6,227.00	10,999.56	6,227.00	248.48	95.47	-90.00	5,259.55	522.97	8,840.65	8,767.19	73.46	120.348	
20,200.00	6,227.00	10,999.56	6,227.00	250.23	95.47	-90.00	5,259.55	522.97	8,938.42	8,865.04	73.38	121.810	
20,300.00	6,227.00	10,999.56	6,227.00	251.98	95.47	-90.00	5,259.55	522.97	9,036.24	8,962.93	73.31	123.266	
20,400.00	6,227.00	10,999.56	6,227.00	253.73	95.47	-90.00	5,259.55	522.97	9,134.11	9,060.87	73.24	124.715	
20,500.00	6,227.00	10,999.56	6,227.00	255.49	95.47	-90.00	5,259.55	522.97	9,232.02	9,158.84	73.18	126.159	
20,600.00	6,227.00	10,999.56	6,227.00	257.24	95.47	-90.00	5,259.55	522.97	9,329.98	9,256.86	73.12	127.596	
20,700.00	6,227.00	10,999.56	6,227.00	258.99	95.47	-90.00	5,259.55	522.97	9,427.98	9,354.91	73.07	129.027	
20,800.00	6,227.00	10,999.56	6,227.00	260.74	95.47	-90.00	5,259.55	522.97	9,526.02	9,453.00	73.02	130.453	
20,900.00	6,227.00	10,999.56	6,227.00	262.49	95.47	-90.00	5,259.55	522.97	9,624.10	9,551.12	72.98	131.872	
21,000.00	6,227.00	10,999.56	6,227.00	264.25	95.47	-90.00	5,259.55	522.97	9,722.22	9,649.28	72.94	133.286	
21,100.00	6,227.00	10,999.56	6,227.00	266.00	95.47	-90.00	5,259.55	522.97	9,820.38	9,747.47	72.91	134.693	
21,200.00	6,227.00	10,999.56	6,227.00	267.75	95.47	-90.00	5,259.55	522.97	9,918.58	9,845.70	72.88	136.095	
21,300.00	6,227.00	10,999.56	6,227.00	269.51	95.47	-90.00	5,259.55	522.97	10,016.81	9,943.95	72.85	137.490	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-03 - 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						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-114.03	-53.55	-120.11	131.51				
100.00	100.00	100.00	100.00	0.27	0.27	-114.03	-53.55	-120.11	131.51	130.97	0.54	244.569	
200.00	200.00	200.00	200.00	0.63	0.63	-114.03	-53.55	-120.11	131.51	130.25	1.25	104.815	
300.00	300.00	300.00	300.00	0.99	0.99	-114.03	-53.55	-120.11	131.51	129.53	1.97	66.701	
400.00	400.00	400.00	400.00	1.34	1.34	-114.03	-53.55	-120.11	131.51	128.82	2.69	48.914	CC, ES
500.00	499.98	499.98	499.98	1.70	1.70	164.12	-53.55	-120.11	133.18	129.79	3.40	39.182	
600.00	599.84	599.84	599.84	2.05	2.06	164.69	-53.55	-120.11	138.23	134.12	4.11	33.636	
700.00	699.45	704.75	704.73	2.41	2.43	165.54	-52.96	-118.29	144.84	140.01	4.83	29.980	
800.00	798.70	809.94	809.75	2.79	2.80	166.56	-51.18	-112.80	151.21	145.66	5.55	27.244	
900.00	897.47	915.38	914.74	3.19	3.18	167.72	-48.21	-103.61	157.37	151.10	6.27	25.090	
1,000.00	995.62	1,021.05	1,019.54	3.62	3.58	169.02	-44.03	-90.73	163.32	156.33	7.00	23.346	
1,100.00	1,093.06	1,126.95	1,123.98	4.09	4.00	170.44	-38.66	-74.13	169.10	161.38	7.72	21.900	
1,200.00	1,189.64	1,233.06	1,227.92	4.59	4.45	171.98	-32.08	-53.84	174.72	166.28	8.45	20.682	
1,300.00	1,285.27	1,333.78	1,326.06	5.14	4.91	173.52	-25.11	-32.32	181.52	172.32	9.20	19.740	
1,400.00	1,379.82	1,433.11	1,422.85	5.74	5.37	175.02	-18.22	-11.04	191.85	181.89	9.96	19.266	
1,500.00	1,473.17	1,532.02	1,519.21	6.40	5.84	176.43	-11.36	10.14	205.75	195.02	10.73	19.178	
1,600.00	1,565.21	1,630.36	1,615.04	7.12	6.32	177.69	-4.54	31.20	223.21	211.70	11.51	19.396	
1,614.66	1,578.59	1,644.73	1,629.03	7.23	6.39	177.87	-3.55	34.28	226.07	214.44	11.63	19.446	
1,700.00	1,656.38	1,728.30	1,710.46	7.88	6.80	178.80	2.25	52.17	242.95	230.65	12.29	19.761	
1,800.00	1,747.52	1,826.22	1,805.87	8.67	7.29	179.74	9.04	73.15	262.79	249.71	13.08	20.084	
1,900.00	1,838.67	1,924.15	1,901.28	9.47	7.78	-179.45	15.84	94.12	282.69	268.81	13.88	20.363	
2,000.00	1,929.81	2,022.08	1,996.69	10.28	8.27	-178.75	22.63	115.09	302.64	287.96	14.69	20.606	
2,100.00	2,020.96	2,120.00	2,092.11	11.10	8.77	-178.13	29.42	136.06	322.63	307.13	15.50	20.818	
2,200.00	2,112.10	2,217.93	2,187.52	11.92	9.27	-177.59	36.21	157.04	342.65	326.34	16.31	21.004	
2,300.00	2,203.25	2,315.85	2,282.93	12.75	9.77	-177.10	43.01	178.01	362.70	345.56	17.13	21.168	
2,400.00	2,294.39	2,413.78	2,378.35	13.59	10.27	-176.67	49.80	198.98	382.77	364.81	17.96	21.314	
2,500.00	2,385.54	2,511.71	2,473.76	14.43	10.77	-176.28	56.59	219.95	402.85	384.07	18.79	21.444	
2,600.00	2,476.68	2,609.63	2,569.17	15.27	11.28	-175.93	63.38	240.92	422.96	403.34	19.62	21.559	
2,700.00	2,567.83	2,707.56	2,664.59	16.11	11.78	-175.60	70.18	261.90	443.08	422.62	20.45	21.664	
2,800.00	2,658.97	2,805.49	2,760.00	16.96	12.29	-175.31	76.97	282.87	463.21	441.92	21.29	21.757	
2,900.00	2,750.12	2,903.41	2,855.41	17.80	12.80	-175.04	83.76	303.84	483.35	461.22	22.13	21.842	
3,000.00	2,841.26	3,001.34	2,950.82	18.65	13.31	-174.79	90.55	324.81	503.50	480.53	22.97	21.919	
3,100.00	2,932.41	3,099.27	3,046.24	19.50	13.82	-174.57	97.35	345.78	523.66	499.84	23.81	21.989	
3,200.00	3,023.55	3,197.19	3,141.65	20.35	14.33	-174.36	104.14	366.76	543.82	519.16	24.66	22.053	
3,300.00	3,114.70	3,295.12	3,237.06	21.21	14.84	-174.16	110.93	387.73	564.00	538.49	25.51	22.112	
3,400.00	3,205.84	3,393.05	3,332.48	22.06	15.35	-173.98	117.72	408.70	584.17	557.82	26.35	22.166	
3,500.00	3,296.99	3,490.97	3,427.89	22.92	15.86	-173.81	124.52	429.67	604.36	577.15	27.20	22.215	
3,600.00	3,388.13	3,588.90	3,523.30	23.77	16.38	-173.65	131.31	450.65	624.55	596.49	28.06	22.261	
3,700.00	3,479.28	3,686.83	3,618.72	24.63	16.89	-173.50	138.10	471.62	644.74	615.83	28.91	22.304	
3,800.00	3,570.42	3,784.75	3,714.13	25.48	17.40	-173.36	144.89	492.59	664.94	635.18	29.76	22.343	
3,900.00	3,661.57	3,882.68	3,809.54	26.34	17.91	-173.22	151.69	513.56	685.14	654.52	30.61	22.379	
4,000.00	3,752.71	3,980.61	3,904.95	27.20	18.43	-173.10	158.48	534.53	705.34	673.87	31.47	22.413	
4,100.00	3,843.86	4,078.53	4,000.37	28.05	18.94	-172.98	165.27	555.51	725.55	693.22	32.33	22.445	
4,200.00	3,935.00	4,176.46	4,095.78	28.91	19.45	-172.87	172.07	576.48	745.76	712.58	33.18	22.475	
4,300.00	4,026.15	4,274.39	4,191.19	29.77	19.97	-172.77	178.86	597.45	765.97	731.93	34.04	22.502	
4,400.00	4,117.29	4,372.31	4,286.61	30.63	20.48	-172.67	185.65	618.42	786.19	751.29	34.90	22.528	
4,500.00	4,208.44	4,470.24	4,382.02	31.49	21.00	-172.57	192.44	639.39	806.40	770.65	35.76	22.553	
4,600.00	4,299.58	4,568.17	4,477.43	32.35	21.51	-172.48	199.24	660.37	826.62	790.01	36.62	22.576	
4,700.00	4,390.73	4,666.09	4,572.85	33.21	22.03	-172.39	206.03	681.34	846.84	809.37	37.48	22.597	
4,800.00	4,481.88	4,764.02	4,668.26	34.07	22.54	-172.31	212.82	702.31	867.06	828.73	38.34	22.618	
4,900.00	4,573.02	4,861.95	4,763.67	34.93	23.06	-172.23	219.61	723.28	887.29	848.09	39.20	22.637	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-03 - 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	
5,000.00	4,664.17	4,959.87	4,859.08	35.79	23.57	-172.16	226.41	744.26	907.51	867.46	40.06	22.655	
5,100.00	4,755.31	5,057.80	4,954.50	36.65	24.09	-172.09	233.20	765.23	927.74	886.82	40.92	22.672	
5,200.00	4,846.46	5,155.72	5,049.91	37.51	24.60	-172.02	239.99	786.20	947.97	906.19	41.78	22.688	
5,300.00	4,937.60	5,253.65	5,145.32	38.37	25.12	-171.95	246.78	807.17	968.20	925.55	42.64	22.704	
5,400.00	5,028.75	5,351.58	5,240.74	39.23	25.63	-171.89	253.58	828.14	988.43	944.92	43.51	22.719	
5,500.00	5,119.89	5,449.50	5,336.15	40.09	26.15	-171.83	260.37	849.12	1,008.66	964.29	44.37	22.733	
5,600.00	5,211.04	5,547.43	5,431.56	40.96	26.66	-171.77	267.16	870.09	1,028.89	983.66	45.23	22.746	
5,700.00	5,302.18	5,645.36	5,526.98	41.82	27.18	-171.72	273.95	891.06	1,049.13	1,003.03	46.10	22.758	
5,800.00	5,393.33	5,743.28	5,622.39	42.68	27.70	-171.66	280.75	912.03	1,069.36	1,022.40	46.96	22.770	
5,900.00	5,484.47	5,841.49	5,718.07	43.54	28.21	-171.61	287.64	933.06	1,089.60	1,041.77	47.83	22.780	
6,000.00	5,575.62	5,940.92	5,813.56	44.40	28.77	-171.02	304.70	954.30	1,109.73	1,060.89	48.84	22.722	
6,100.00	5,666.76	6,033.98	5,899.01	45.26	29.31	-169.69	335.75	973.67	1,130.16	1,080.14	50.02	22.595	
6,175.79	5,735.84	6,097.93	5,954.33	45.92	29.69	-168.38	365.13	986.43	1,146.44	1,095.46	50.98	22.487	
6,200.00	5,757.87	6,117.22	5,970.34	46.13	29.80	-162.17	375.21	990.17	1,151.85	1,100.55	51.30	22.455	
6,250.00	5,803.02	6,156.38	6,001.77	46.56	30.04	-150.19	397.36	997.55	1,163.13	1,111.20	51.94	22.394	
6,300.00	5,847.42	6,194.72	6,031.04	46.99	30.27	-139.69	421.13	1,004.50	1,174.48	1,121.91	52.57	22.340	
6,350.00	5,890.72	6,232.37	6,058.19	47.41	30.51	-130.75	446.37	1,011.02	1,185.76	1,132.57	53.19	22.293	
6,400.00	5,932.60	6,269.42	6,083.26	47.83	30.74	-123.25	472.95	1,017.12	1,196.83	1,143.04	53.78	22.253	
6,450.00	5,972.74	6,305.95	6,106.27	48.23	30.96	-116.98	500.73	1,022.79	1,207.57	1,153.22	54.35	22.219	
6,500.00	6,010.83	6,342.03	6,127.26	48.61	31.19	-111.71	529.60	1,028.06	1,217.86	1,162.98	54.88	22.190	
6,550.00	6,046.58	6,377.73	6,146.22	48.98	31.42	-107.29	559.44	1,032.90	1,227.61	1,172.22	55.39	22.163	
6,600.00	6,079.73	6,413.09	6,163.18	49.33	31.65	-103.56	590.15	1,037.33	1,236.69	1,180.83	55.86	22.139	
6,650.00	6,110.01	6,450.00	6,178.86	49.67	31.89	-100.41	623.29	1,041.54	1,245.04	1,188.68	56.35	22.094	
6,700.00	6,137.21	6,482.98	6,191.08	49.98	32.11	-97.79	653.73	1,044.92	1,252.55	1,195.84	56.71	22.086	
6,750.00	6,161.10	6,517.58	6,202.03	50.28	32.34	-95.61	686.40	1,048.09	1,259.16	1,202.06	57.10	22.053	
6,800.00	6,181.52	6,550.00	6,210.52	50.55	32.56	-93.84	717.57	1,050.68	1,264.80	1,207.41	57.39	22.037	
6,850.00	6,198.29	6,586.26	6,217.96	50.81	32.81	-92.41	752.97	1,053.14	1,269.43	1,211.63	57.80	21.962	
6,900.00	6,211.31	6,620.39	6,222.95	51.05	33.05	-91.33	786.67	1,055.03	1,272.99	1,214.85	58.13	21.897	
6,950.00	6,220.46	6,650.00	6,225.68	51.27	33.26	-90.58	816.13	1,056.32	1,275.46	1,217.14	58.32	21.869	
7,000.00	6,225.68	6,689.35	6,227.00	51.47	33.55	-90.11	855.43	1,057.54	1,276.79	1,217.97	58.82	21.708	
7,040.67	6,227.00	6,728.48	6,227.00	51.63	33.84	-90.00	894.55	1,058.47	1,276.84	1,217.37	59.47	21.470	
7,100.00	6,227.00	6,787.81	6,227.00	51.85	34.29	-90.00	953.86	1,059.88	1,276.07	1,215.53	60.54	21.078	
7,200.00	6,227.00	6,887.80	6,227.00	52.25	35.13	-90.00	1,053.82	1,062.25	1,274.76	1,212.29	62.47	20.407	
7,300.00	6,227.00	6,987.79	6,227.00	52.70	36.03	-90.00	1,153.78	1,064.62	1,273.45	1,208.91	64.53	19.733	
7,400.00	6,227.00	7,087.78	6,227.00	53.18	37.00	-90.00	1,253.75	1,067.00	1,272.14	1,205.42	66.72	19.067	
7,500.00	6,227.00	7,187.77	6,227.00	53.71	38.03	-90.00	1,353.71	1,069.37	1,270.83	1,201.81	69.02	18.413	
7,600.00	6,227.00	7,287.76	6,227.00	54.28	39.11	-90.00	1,453.67	1,071.74	1,269.52	1,198.10	71.42	17.776	
7,700.00	6,227.00	7,387.75	6,227.00	54.89	40.25	-90.00	1,553.64	1,074.11	1,268.21	1,194.30	73.91	17.159	
7,800.00	6,227.00	7,487.75	6,227.00	55.55	41.43	-90.00	1,653.60	1,076.48	1,266.90	1,190.41	76.48	16.564	
7,900.00	6,227.00	7,587.74	6,227.00	56.25	42.66	-90.00	1,753.56	1,078.86	1,265.59	1,186.46	79.13	15.993	
8,000.00	6,227.00	7,687.73	6,227.00	56.99	43.92	-90.00	1,853.53	1,081.23	1,264.28	1,182.43	81.85	15.447	
8,100.00	6,227.00	7,787.72	6,227.00	57.78	45.22	-90.00	1,953.49	1,083.60	1,262.97	1,178.35	84.62	14.925	
8,200.00	6,227.00	7,887.71	6,227.00	58.62	46.56	-90.00	2,053.45	1,085.97	1,261.66	1,174.21	87.45	14.427	
8,300.00	6,227.00	7,987.70	6,227.00	59.49	47.92	-90.00	2,153.42	1,088.35	1,260.35	1,170.02	90.33	13.952	
8,400.00	6,227.00	8,087.69	6,227.00	60.41	49.31	-90.00	2,253.38	1,090.72	1,259.04	1,165.78	93.26	13.501	
8,500.00	6,227.00	8,187.69	6,227.00	61.37	50.73	-90.00	2,353.34	1,093.09	1,257.73	1,161.51	96.22	13.071	
8,600.00	6,227.00	8,287.68	6,227.00	62.37	52.16	-90.00	2,453.31	1,095.46	1,256.42	1,157.19	99.23	12.662	
8,700.00	6,227.00	8,387.67	6,227.00	63.41	53.62	-90.00	2,553.27	1,097.83	1,255.11	1,152.85	102.27	12.273	
8,800.00	6,227.00	8,487.66	6,227.00	64.49	55.10	-90.00	2,653.23	1,100.21	1,253.80	1,148.47	105.33	11.903	
8,900.00	6,227.00	8,587.65	6,227.00	65.60	56.59	-90.00	2,753.20	1,102.58	1,252.49	1,144.06	108.43	11.551	
9,000.00	6,227.00	8,687.64	6,227.00	66.74	58.10	-90.00	2,853.16	1,104.95	1,251.18	1,139.63	111.56	11.216	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-03 - 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	
9,100.00	6,227.00	8,787.63	6,227.00	67.92	59.63	-90.00	2,953.12	1,107.32	1,249.87	1,135.17	114.70	10.897	
9,200.00	6,227.00	8,887.63	6,227.00	69.13	61.16	-90.00	3,053.09	1,109.69	1,248.56	1,130.69	117.87	10.592	
9,300.00	6,227.00	8,987.62	6,227.00	70.37	62.71	-90.00	3,153.05	1,112.07	1,247.25	1,126.19	121.06	10.302	
9,400.00	6,227.00	9,087.61	6,227.00	71.63	64.28	-90.00	3,253.01	1,114.44	1,245.94	1,121.67	124.27	10.026	
9,500.00	6,227.00	9,187.60	6,227.00	72.92	65.85	-90.00	3,352.97	1,116.81	1,244.63	1,117.14	127.50	9.762	
9,600.00	6,227.00	9,287.59	6,227.00	74.23	67.43	-90.00	3,452.94	1,119.18	1,243.32	1,112.58	130.74	9.510	
9,700.00	6,227.00	9,387.58	6,227.00	75.57	69.02	-90.00	3,552.90	1,121.56	1,242.02	1,108.02	134.00	9.269	
9,800.00	6,227.00	9,487.57	6,227.00	76.93	70.62	-90.00	3,652.86	1,123.93	1,240.71	1,103.44	137.27	9.038	
9,900.00	6,227.00	9,587.57	6,227.00	78.31	72.23	-90.00	3,752.83	1,126.30	1,239.40	1,098.84	140.55	8.818	
10,000.00	6,227.00	9,687.56	6,227.00	79.71	73.85	-90.00	3,852.79	1,128.67	1,238.09	1,094.24	143.85	8.607	
10,100.00	6,227.00	9,787.55	6,227.00	81.12	75.47	-90.00	3,952.75	1,131.04	1,236.78	1,089.62	147.16	8.404	
10,200.00	6,227.00	9,887.54	6,227.00	82.55	77.10	-90.00	4,052.72	1,133.42	1,235.47	1,084.99	150.48	8.210	
10,300.00	6,227.00	9,987.53	6,227.00	84.00	78.74	-90.00	4,152.68	1,135.79	1,234.16	1,080.35	153.80	8.024	
10,400.00	6,227.00	10,087.52	6,227.00	85.46	80.38	-90.00	4,252.64	1,138.16	1,232.85	1,075.71	157.14	7.846	
10,500.00	6,227.00	10,187.51	6,227.00	86.94	82.02	-90.00	4,352.61	1,140.53	1,231.54	1,071.05	160.48	7.674	
10,600.00	6,227.00	10,287.51	6,227.00	88.43	83.68	-90.00	4,452.57	1,142.90	1,230.23	1,066.39	163.84	7.509	
10,700.00	6,227.00	10,387.50	6,227.00	89.93	85.33	-90.00	4,552.53	1,145.28	1,228.92	1,061.72	167.20	7.350	
10,800.00	6,227.00	10,487.49	6,227.00	91.44	86.99	-90.00	4,652.50	1,147.65	1,227.61	1,057.04	170.57	7.197	
10,900.00	6,227.00	10,587.48	6,227.00	92.96	88.66	-90.00	4,752.46	1,150.02	1,226.30	1,052.36	173.94	7.050	
11,000.00	6,227.00	10,687.47	6,227.00	94.50	90.33	-90.00	4,852.42	1,152.39	1,224.99	1,047.67	177.32	6.908	
11,100.00	6,227.00	10,787.46	6,227.00	96.04	92.00	-90.00	4,952.39	1,154.77	1,223.68	1,042.97	180.71	6.771	
11,200.00	6,227.00	10,887.45	6,227.00	97.59	93.67	-90.00	5,052.35	1,157.14	1,222.37	1,038.27	184.10	6.640	
11,300.00	6,227.00	10,987.45	6,227.00	99.15	95.35	-90.00	5,152.31	1,159.51	1,221.06	1,033.56	187.50	6.512	
11,400.00	6,227.00	11,087.44	6,227.00	100.72	97.04	-90.00	5,252.28	1,161.88	1,219.75	1,028.85	190.91	6.389	
11,425.82	6,227.00	11,097.28	6,227.00	101.13	97.20	-90.00	5,262.12	1,162.12	1,219.52	1,028.62	190.90	6.388 SF	
11,500.00	6,227.00	11,097.28	6,227.00	102.30	97.20	-90.00	5,262.12	1,162.12	1,221.77	1,032.85	188.92	6.467	
11,600.00	6,227.00	11,097.28	6,227.00	103.88	97.20	-90.00	5,262.12	1,162.12	1,231.89	1,046.55	185.34	6.647	
11,700.00	6,227.00	11,097.28	6,227.00	105.47	97.20	-90.00	5,262.12	1,162.12	1,249.96	1,069.13	180.83	6.912	
11,743.45	6,227.00	11,097.28	6,227.00	106.17	97.20	-90.00	5,262.12	1,162.12	1,260.20	1,081.58	178.62	7.055	
11,808.25	6,227.00	11,097.28	6,227.00	107.20	97.20	-90.00	5,262.12	1,162.12	1,277.37	1,102.28	175.09	7.295	
11,900.00	6,227.00	11,097.28	6,227.00	108.66	97.20	-90.00	5,262.12	1,162.12	1,305.83	1,136.14	169.69	7.695	
12,000.00	6,227.00	11,097.28	6,227.00	110.26	97.20	-90.00	5,262.12	1,162.12	1,343.32	1,179.88	163.44	8.219	
12,100.00	6,227.00	11,097.28	6,227.00	111.86	97.20	-90.00	5,262.12	1,162.12	1,387.01	1,230.02	157.00	8.835	
12,200.00	6,227.00	11,097.28	6,227.00	113.47	97.20	-90.00	5,262.12	1,162.12	1,436.35	1,285.83	150.53	9.542	
12,300.00	6,227.00	11,097.28	6,227.00	115.08	97.20	-90.00	5,262.12	1,162.12	1,490.77	1,346.62	144.16	10.341	
12,400.00	6,227.00	11,097.28	6,227.00	116.70	97.20	-90.00	5,262.12	1,162.12	1,549.75	1,411.75	138.00	11.230	
12,500.00	6,227.00	11,097.28	6,227.00	118.33	97.20	-90.00	5,262.12	1,162.12	1,612.77	1,480.65	132.12	12.207	
12,600.00	6,227.00	11,097.28	6,227.00	119.96	97.20	-90.00	5,262.12	1,162.12	1,679.38	1,552.81	126.56	13.269	
12,700.00	6,227.00	11,097.28	6,227.00	121.60	97.20	-90.00	5,262.12	1,162.12	1,749.18	1,627.81	121.36	14.413	
12,800.00	6,227.00	11,097.28	6,227.00	123.24	97.20	-90.00	5,262.12	1,162.12	1,821.79	1,705.27	116.52	15.634	
12,900.00	6,227.00	11,097.28	6,227.00	124.88	97.20	-90.00	5,262.12	1,162.12	1,896.90	1,784.85	112.05	16.929	
13,000.00	6,227.00	11,097.28	6,227.00	126.53	97.20	-90.00	5,262.12	1,162.12	1,974.21	1,866.29	107.93	18.292	
13,100.00	6,227.00	11,097.28	6,227.00	128.18	97.20	-90.00	5,262.12	1,162.12	2,053.49	1,949.35	104.14	19.718	
13,200.00	6,227.00	11,097.28	6,227.00	129.84	97.20	-90.00	5,262.12	1,162.12	2,134.51	2,033.83	100.68	21.201	
13,300.00	6,227.00	11,097.28	6,227.00	131.50	97.20	-90.00	5,262.12	1,162.12	2,217.08	2,119.56	97.51	22.736	
13,400.00	6,227.00	11,097.28	6,227.00	133.16	97.20	-90.00	5,262.12	1,162.12	2,301.03	2,206.40	94.63	24.316	
13,500.00	6,227.00	11,097.28	6,227.00	134.83	97.20	-90.00	5,262.12	1,162.12	2,386.22	2,294.21	92.01	25.935	
13,600.00	6,227.00	11,097.28	6,227.00	136.50	97.20	-90.00	5,262.12	1,162.12	2,472.52	2,382.89	89.62	27.588	
13,700.00	6,227.00	11,097.28	6,227.00	138.17	97.20	-90.00	5,262.12	1,162.12	2,559.81	2,472.36	87.46	29.269	
13,800.00	6,227.00	11,097.28	6,227.00	139.85	97.20	-90.00	5,262.12	1,162.12	2,648.01	2,562.51	85.49	30.973	
13,900.00	6,227.00	11,097.28	6,227.00	141.53	97.20	-90.00	5,262.12	1,162.12	2,737.01	2,653.30	83.71	32.694	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-03 - 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	
14,000.00	6,227.00	11,097.28	6,227.00	143.21	97.20	-90.00	5,262.12	1,162.12	2,826.76	2,744.65	82.10	34.429	
14,100.00	6,227.00	11,097.28	6,227.00	144.89	97.20	-90.00	5,262.12	1,162.12	2,917.16	2,836.52	80.65	36.171	
14,200.00	6,227.00	11,097.28	6,227.00	146.58	97.20	-90.00	5,262.12	1,162.12	3,008.18	2,928.85	79.33	37.918	
14,300.00	6,227.00	11,097.28	6,227.00	148.26	97.20	-90.00	5,262.12	1,162.12	3,099.75	3,021.61	78.14	39.667	
14,400.00	6,227.00	11,097.28	6,227.00	149.96	97.20	-90.00	5,262.12	1,162.12	3,191.83	3,114.75	77.07	41.413	
14,500.00	6,227.00	11,097.28	6,227.00	151.65	97.20	-90.00	5,262.12	1,162.12	3,284.37	3,208.26	76.11	43.154	
14,600.00	6,227.00	11,097.28	6,227.00	153.34	97.20	-90.00	5,262.12	1,162.12	3,377.33	3,302.09	75.24	44.888	
14,700.00	6,227.00	11,097.28	6,227.00	155.04	97.20	-90.00	5,262.12	1,162.12	3,470.69	3,396.23	74.46	46.613	
14,800.00	6,227.00	11,097.28	6,227.00	156.74	97.20	-90.00	5,262.12	1,162.12	3,564.40	3,490.65	73.76	48.327	
14,900.00	6,227.00	11,097.28	6,227.00	158.44	97.20	-90.00	5,262.12	1,162.12	3,658.45	3,585.32	73.13	50.029	
15,000.00	6,227.00	11,097.28	6,227.00	160.14	97.20	-90.00	5,262.12	1,162.12	3,752.81	3,680.24	72.56	51.718	
15,100.00	6,227.00	11,097.28	6,227.00	161.85	97.20	-90.00	5,262.12	1,162.12	3,847.45	3,775.39	72.06	53.392	
15,200.00	6,227.00	11,097.28	6,227.00	163.56	97.20	-90.00	5,262.12	1,162.12	3,942.36	3,870.74	71.61	55.052	
15,300.00	6,227.00	11,097.28	6,227.00	165.26	97.20	-90.00	5,262.12	1,162.12	4,037.51	3,966.30	71.21	56.697	
15,400.00	6,227.00	11,097.28	6,227.00	166.97	97.20	-90.00	5,262.12	1,162.12	4,132.89	4,062.03	70.86	58.326	
15,500.00	6,227.00	11,097.28	6,227.00	168.68	97.20	-90.00	5,262.12	1,162.12	4,228.48	4,157.94	70.55	59.940	
15,600.00	6,227.00	11,097.28	6,227.00	170.40	97.20	-90.00	5,262.12	1,162.12	4,324.28	4,254.01	70.27	61.538	
15,700.00	6,227.00	11,097.28	6,227.00	172.11	97.20	-90.00	5,262.12	1,162.12	4,420.26	4,350.23	70.03	63.121	
15,800.00	6,227.00	11,097.28	6,227.00	173.83	97.20	-90.00	5,262.12	1,162.12	4,516.41	4,446.59	69.82	64.689	
15,900.00	6,227.00	11,097.28	6,227.00	175.54	97.20	-90.00	5,262.12	1,162.12	4,612.73	4,543.10	69.64	66.241	
16,000.00	6,227.00	11,097.28	6,227.00	177.26	97.20	-90.00	5,262.12	1,162.12	4,709.20	4,639.72	69.48	67.779	
16,100.00	6,227.00	11,097.28	6,227.00	178.98	97.20	-90.00	5,262.12	1,162.12	4,805.82	4,736.47	69.35	69.302	
16,200.00	6,227.00	11,097.28	6,227.00	180.70	97.20	-90.00	5,262.12	1,162.12	4,902.57	4,833.34	69.23	70.812	
16,300.00	6,227.00	11,097.28	6,227.00	182.42	97.20	-90.00	5,262.12	1,162.12	4,999.45	4,930.31	69.14	72.308	
16,400.00	6,227.00	11,097.28	6,227.00	184.15	97.20	-90.00	5,262.12	1,162.12	5,096.45	5,027.38	69.07	73.790	
16,500.00	6,227.00	11,097.28	6,227.00	185.87	97.20	-90.00	5,262.12	1,162.12	5,193.56	5,124.55	69.01	75.260	
16,600.00	6,227.00	11,097.28	6,227.00	187.60	97.20	-90.00	5,262.12	1,162.12	5,290.78	5,221.82	68.97	76.717	
16,700.00	6,227.00	11,097.28	6,227.00	189.32	97.20	-90.00	5,262.12	1,162.12	5,388.11	5,319.17	68.94	78.162	
16,800.00	6,227.00	11,097.28	6,227.00	191.05	97.20	-90.00	5,262.12	1,162.12	5,485.53	5,416.61	68.92	79.596	
16,900.00	6,227.00	11,097.28	6,227.00	192.78	97.20	-90.00	5,262.12	1,162.12	5,583.04	5,514.13	68.91	81.018	
17,000.00	6,227.00	11,097.28	6,227.00	194.51	97.20	-90.00	5,262.12	1,162.12	5,680.63	5,611.72	68.92	82.429	
17,100.00	6,227.00	11,097.28	6,227.00	196.24	97.20	-90.00	5,262.12	1,162.12	5,778.31	5,709.38	68.93	83.830	
17,200.00	6,227.00	11,097.28	6,227.00	197.97	97.20	-90.00	5,262.12	1,162.12	5,876.07	5,807.12	68.95	85.221	
17,300.00	6,227.00	11,097.28	6,227.00	199.70	97.20	-90.00	5,262.12	1,162.12	5,973.90	5,904.92	68.98	86.602	
17,400.00	6,227.00	11,097.28	6,227.00	201.44	97.20	-90.00	5,262.12	1,162.12	6,071.80	6,002.79	69.02	87.973	
17,500.00	6,227.00	11,097.28	6,227.00	203.17	97.20	-90.00	5,262.12	1,162.12	6,169.77	6,100.71	69.06	89.336	
17,600.00	6,227.00	11,097.28	6,227.00	204.90	97.20	-90.00	5,262.12	1,162.12	6,267.81	6,198.70	69.11	90.689	
17,700.00	6,227.00	11,097.28	6,227.00	206.64	97.20	-90.00	5,262.12	1,162.12	6,365.90	6,296.73	69.17	92.035	
17,800.00	6,227.00	11,097.28	6,227.00	208.38	97.20	-90.00	5,262.12	1,162.12	6,464.06	6,394.83	69.23	93.371	
17,900.00	6,227.00	11,097.28	6,227.00	210.11	97.20	-90.00	5,262.12	1,162.12	6,562.27	6,492.97	69.30	94.700	
18,000.00	6,227.00	11,097.28	6,227.00	211.85	97.20	-90.00	5,262.12	1,162.12	6,660.53	6,591.16	69.36	96.021	
18,100.00	6,227.00	11,097.28	6,227.00	213.59	97.20	-90.00	5,262.12	1,162.12	6,758.84	6,689.40	69.44	97.335	
18,200.00	6,227.00	11,097.28	6,227.00	215.33	97.20	-90.00	5,262.12	1,162.12	6,857.20	6,787.69	69.52	98.642	
18,300.00	6,227.00	11,097.28	6,227.00	217.07	97.20	-90.00	5,262.12	1,162.12	6,955.61	6,886.01	69.60	99.941	
18,400.00	6,227.00	11,097.28	6,227.00	218.81	97.20	-90.00	5,262.12	1,162.12	7,054.07	6,984.38	69.68	101.234	
18,500.00	6,227.00	11,097.28	6,227.00	220.55	97.20	-90.00	5,262.12	1,162.12	7,152.56	7,082.79	69.77	102.520	
18,600.00	6,227.00	11,097.28	6,227.00	222.29	97.20	-90.00	5,262.12	1,162.12	7,251.10	7,181.24	69.86	103.799	
18,700.00	6,227.00	11,097.28	6,227.00	224.03	97.20	-90.00	5,262.12	1,162.12	7,349.68	7,279.73	69.95	105.072	
18,800.00	6,227.00	11,097.28	6,227.00	225.78	97.20	-90.00	5,262.12	1,162.12	7,448.29	7,378.25	70.04	106.340	
18,900.00	6,227.00	11,097.28	6,227.00	227.52	97.20	-90.00	5,262.12	1,162.12	7,546.94	7,476.80	70.14	107.601	
19,000.00	6,227.00	11,097.28	6,227.00	229.26	97.20	-90.00	5,262.12	1,162.12	7,645.63	7,575.39	70.24	108.857	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-03 - 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	
19,100.00	6,227.00	11,097.28	6,227.00	231.01	97.20	-90.00	5,262.12	1,162.12	7,744.35	7,674.01	70.34	110.106	
19,200.00	6,227.00	11,097.28	6,227.00	232.75	97.20	-90.00	5,262.12	1,162.12	7,843.10	7,772.67	70.44	111.351	
19,300.00	6,227.00	11,097.28	6,227.00	234.50	97.20	-90.00	5,262.12	1,162.12	7,941.89	7,871.35	70.54	112.590	
19,400.00	6,227.00	11,097.28	6,227.00	236.25	97.20	-90.00	5,262.12	1,162.12	8,040.70	7,970.06	70.64	113.824	
19,500.00	6,227.00	11,097.28	6,227.00	237.99	97.20	-90.00	5,262.12	1,162.12	8,139.54	8,068.80	70.75	115.052	
19,600.00	6,227.00	11,097.28	6,227.00	239.74	97.20	-90.00	5,262.12	1,162.12	8,238.41	8,167.56	70.85	116.276	
19,700.00	6,227.00	11,097.28	6,227.00	241.49	97.20	-90.00	5,262.12	1,162.12	8,337.31	8,266.35	70.96	117.495	
19,800.00	6,227.00	11,097.28	6,227.00	243.24	97.20	-90.00	5,262.12	1,162.12	8,436.24	8,365.17	71.07	118.708	
19,900.00	6,227.00	11,097.28	6,227.00	244.98	97.20	-90.00	5,262.12	1,162.12	8,535.18	8,464.01	71.18	119.917	
20,000.00	6,227.00	11,097.28	6,227.00	246.73	97.20	-90.00	5,262.12	1,162.12	8,634.16	8,562.87	71.28	121.122	
20,100.00	6,227.00	11,097.28	6,227.00	248.48	97.20	-90.00	5,262.12	1,162.12	8,733.15	8,661.76	71.39	122.322	
20,200.00	6,227.00	11,097.28	6,227.00	250.23	97.20	-90.00	5,262.12	1,162.12	8,832.17	8,760.67	71.51	123.517	
20,300.00	6,227.00	11,097.28	6,227.00	251.98	97.20	-90.00	5,262.12	1,162.12	8,931.21	8,859.60	71.62	124.708	
20,400.00	6,227.00	11,097.28	6,227.00	253.73	97.20	-90.00	5,262.12	1,162.12	9,030.28	8,958.55	71.73	125.895	
20,500.00	6,227.00	11,097.28	6,227.00	255.49	97.20	-90.00	5,262.12	1,162.12	9,129.36	9,057.52	71.84	127.078	
20,600.00	6,227.00	11,097.28	6,227.00	257.24	97.20	-90.00	5,262.12	1,162.12	9,228.46	9,156.51	71.95	128.256	
20,700.00	6,227.00	11,097.28	6,227.00	258.99	97.20	-90.00	5,262.12	1,162.12	9,327.58	9,255.52	72.07	129.430	
20,800.00	6,227.00	11,097.28	6,227.00	260.74	97.20	-90.00	5,262.12	1,162.12	9,426.72	9,354.54	72.18	130.600	
20,900.00	6,227.00	11,097.28	6,227.00	262.49	97.20	-90.00	5,262.12	1,162.12	9,525.88	9,453.59	72.29	131.766	
21,000.00	6,227.00	11,097.28	6,227.00	264.25	97.20	-90.00	5,262.12	1,162.12	9,625.06	9,552.65	72.41	132.928	
21,100.00	6,227.00	11,097.28	6,227.00	266.00	97.20	-90.00	5,262.12	1,162.12	9,724.25	9,651.73	72.52	134.086	
21,200.00	6,227.00	11,097.28	6,227.00	267.75	97.20	-90.00	5,262.12	1,162.12	9,823.46	9,750.82	72.64	135.240	
21,300.00	6,227.00	11,097.28	6,227.00	269.51	97.20	-90.00	5,262.12	1,162.12	9,922.68	9,849.93	72.75	136.391	
21,400.00	6,227.00	11,097.28	6,227.00	271.26	97.20	-90.00	5,262.12	1,162.12	10,021.92	9,949.05	72.87	137.537	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												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	-121.44	-73.59	-120.39	141.10				
100.00	100.00	100.00	100.00	0.27	0.27	-121.44	-73.59	-120.39	141.10	140.56	0.54	262.409	
200.00	200.00	200.00	200.00	0.63	0.63	-121.44	-73.59	-120.39	141.10	139.84	1.25	112.461	
300.00	300.00	300.00	300.00	0.99	0.99	-121.44	-73.59	-120.39	141.10	139.13	1.97	71.566	
400.00	400.00	400.00	400.00	1.34	1.34	-121.44	-73.59	-120.39	141.10	138.41	2.69	52.482 CC, ES	
500.00	499.98	499.98	499.98	1.70	1.70	156.78	-73.59	-120.39	142.70	139.30	3.40	41.982	
600.00	599.84	604.94	604.92	2.05	2.07	157.37	-73.17	-118.51	145.78	141.67	4.12	35.406	
700.00	699.45	710.04	709.85	2.41	2.44	158.02	-71.90	-112.88	148.62	143.78	4.84	30.738	
800.00	798.70	815.25	814.62	2.79	2.83	158.74	-69.79	-103.48	151.21	145.65	5.56	27.207	
900.00	897.47	920.59	919.08	3.19	3.23	159.53	-66.84	-90.32	153.55	147.26	6.29	24.428	
1,000.00	995.62	1,026.03	1,023.08	3.62	3.65	160.37	-63.04	-73.40	155.65	148.63	7.02	22.173	
1,100.00	1,093.06	1,131.56	1,126.46	4.09	4.11	161.28	-58.40	-52.74	157.52	149.76	7.76	20.292	
1,200.00	1,189.64	1,237.19	1,229.08	4.59	4.60	162.26	-52.92	-28.35	159.17	150.66	8.50	18.716	
1,300.00	1,285.27	1,342.90	1,330.79	5.14	5.14	163.31	-46.61	-0.27	160.59	151.33	9.26	17.344	
1,400.00	1,379.82	1,448.68	1,431.43	5.74	5.73	164.42	-39.48	31.47	161.80	151.78	10.02	16.152	
1,500.00	1,473.17	1,549.90	1,526.91	6.40	6.34	165.61	-32.12	64.26	163.91	153.09	10.82	15.155	
1,600.00	1,565.21	1,649.66	1,620.98	7.12	6.96	167.01	-24.84	96.66	169.39	157.76	11.63	14.566	
1,614.66	1,578.59	1,664.26	1,634.75	7.23	7.06	167.23	-23.77	101.41	170.49	158.74	11.75	14.510	
1,700.00	1,656.38	1,749.26	1,714.90	7.88	7.60	168.48	-17.57	129.01	177.15	164.70	12.45	14.234	
1,800.00	1,747.52	1,848.85	1,808.82	8.67	8.25	169.84	-10.31	161.36	185.04	171.78	13.26	13.950	
1,900.00	1,838.67	1,948.45	1,902.73	9.47	8.90	171.09	-3.04	193.71	193.04	178.95	14.09	13.702	
2,000.00	1,929.81	2,048.04	1,996.65	10.28	9.56	172.23	4.23	226.06	201.11	186.20	14.91	13.484	
2,100.00	2,020.96	2,147.64	2,090.56	11.10	10.23	173.29	11.49	258.41	209.26	193.51	15.75	13.290	
2,200.00	2,112.10	2,247.23	2,184.48	11.92	10.90	174.27	18.76	290.75	217.48	200.89	16.58	13.116	
2,300.00	2,203.25	2,346.83	2,278.39	12.75	11.58	175.17	26.02	323.10	225.75	208.33	17.42	12.958	
2,400.00	2,294.39	2,446.43	2,372.31	13.59	12.25	176.01	33.29	355.45	234.07	215.81	18.27	12.814	
2,500.00	2,385.54	2,546.02	2,466.22	14.43	12.93	176.80	40.55	387.80	242.45	223.33	19.12	12.683	
2,600.00	2,476.68	2,645.62	2,560.14	15.27	13.62	177.53	47.82	420.15	250.86	230.89	19.97	12.562	
2,700.00	2,567.83	2,745.21	2,654.06	16.11	14.30	178.21	55.09	452.50	259.31	238.48	20.83	12.450	
2,800.00	2,658.97	2,844.81	2,747.97	16.96	14.99	178.85	62.35	484.84	267.80	246.11	21.69	12.345	
2,900.00	2,750.12	2,944.41	2,841.89	17.80	15.68	179.46	69.62	517.19	276.32	253.76	22.56	12.248	
3,000.00	2,841.26	3,044.00	2,935.80	18.65	16.36	-179.98	76.88	549.54	284.86	261.43	23.43	12.157	
3,100.00	2,932.41	3,143.60	3,029.72	19.50	17.05	-179.45	84.15	581.89	293.43	269.13	24.31	12.071	
3,200.00	3,023.55	3,243.19	3,123.63	20.35	17.74	-178.94	91.41	614.24	302.03	276.84	25.19	11.990	
3,300.00	3,114.70	3,342.79	3,217.55	21.21	18.44	-178.47	98.68	646.59	310.65	284.57	26.07	11.914	
3,400.00	3,205.84	3,442.39	3,311.46	22.06	19.13	-178.02	105.95	678.93	319.29	292.32	26.96	11.842	
3,500.00	3,296.99	3,541.98	3,405.38	22.92	19.82	-177.60	113.21	711.28	327.94	300.09	27.85	11.774	
3,600.00	3,388.13	3,641.58	3,499.30	23.77	20.52	-177.19	120.48	743.63	336.62	307.87	28.75	11.709	
3,700.00	3,479.28	3,741.17	3,593.21	24.63	21.21	-176.81	127.74	775.98	345.30	315.66	29.65	11.647	
3,800.00	3,570.42	3,840.77	3,687.13	25.48	21.90	-176.45	135.01	808.33	354.01	323.46	30.55	11.589	
3,900.00	3,661.57	3,940.37	3,781.04	26.34	22.60	-176.10	142.27	840.68	362.73	331.27	31.45	11.533	
4,000.00	3,752.71	4,039.96	3,874.96	27.20	23.29	-175.77	149.54	873.02	371.45	339.10	32.36	11.479	
4,100.00	3,843.86	4,139.56	3,968.87	28.05	23.99	-175.45	156.81	905.37	380.20	346.93	33.27	11.428	
4,200.00	3,935.00	4,239.15	4,062.79	28.91	24.69	-175.15	164.07	937.72	388.95	354.77	34.18	11.379	
4,300.00	4,026.15	4,338.75	4,156.71	29.77	25.38	-174.86	171.34	970.07	397.71	362.62	35.10	11.332	
4,400.00	4,117.29	4,438.34	4,250.62	30.63	26.08	-174.59	178.60	1,002.42	406.48	370.47	36.01	11.287	
4,500.00	4,208.44	4,537.94	4,344.54	31.49	26.78	-174.33	185.87	1,034.77	415.26	378.33	36.93	11.244	
4,600.00	4,299.58	4,637.54	4,438.45	32.35	27.48	-174.07	193.13	1,067.11	424.05	386.20	37.85	11.203	
4,700.00	4,390.73	4,737.13	4,532.37	33.21	28.17	-173.83	200.40	1,099.46	432.85	394.07	38.78	11.163	
4,800.00	4,481.88	4,836.73	4,626.28	34.07	28.87	-173.60	207.67	1,131.81	441.65	401.95	39.70	11.124	
4,900.00	4,573.02	4,936.32	4,720.20	34.93	29.57	-173.37	214.93	1,164.16	450.47	409.84	40.63	11.088	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												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	
5,000.00	4,664.17	5,035.92	4,814.11	35.79	30.27	-173.16	222.20	1,196.51	459.28	417.73	41.56	11.052	
5,100.00	4,755.31	5,135.52	4,908.03	36.65	30.96	-172.95	229.46	1,228.86	468.11	425.62	42.49	11.018	
5,200.00	4,846.46	5,235.11	5,001.95	37.51	31.66	-172.75	236.73	1,261.21	476.94	433.52	43.42	10.985	
5,300.00	4,937.60	5,334.71	5,095.86	38.37	32.36	-172.56	244.00	1,293.55	485.77	441.42	44.35	10.953	
5,400.00	5,028.75	5,434.30	5,189.78	39.23	33.06	-172.37	251.26	1,325.90	494.61	449.33	45.29	10.922	
5,500.00	5,119.89	5,533.90	5,283.69	40.09	33.76	-172.19	258.53	1,358.25	503.46	457.24	46.22	10.892	
5,600.00	5,211.04	5,633.50	5,377.61	40.96	34.46	-172.02	265.79	1,390.60	512.31	465.15	47.16	10.863	
5,700.00	5,302.18	5,733.09	5,471.52	41.82	35.16	-171.86	273.06	1,422.95	521.17	473.07	48.10	10.835	
5,800.00	5,393.33	5,832.69	5,565.44	42.68	35.86	-171.69	280.32	1,455.30	530.02	480.98	49.04	10.808	
5,900.00	5,484.47	5,932.28	5,659.35	43.54	36.56	-171.54	287.59	1,487.64	538.89	488.91	49.98	10.782	
6,000.00	5,575.62	6,031.96	5,753.29	44.40	37.26	-171.32	295.46	1,520.01	547.75	496.81	50.94	10.753	
6,100.00	5,666.76	6,129.68	5,843.57	45.26	37.97	-169.87	315.23	1,551.41	556.77	504.51	52.26	10.653	
6,175.79	5,735.84	6,200.00	5,905.83	45.92	38.48	-167.82	339.36	1,573.31	564.41	510.79	53.62	10.526	
6,200.00	5,757.87	6,220.41	5,923.31	46.13	38.63	-161.63	347.86	1,579.51	567.10	513.02	54.08	10.486	
6,250.00	5,803.02	6,263.52	5,959.24	46.56	38.94	-149.64	367.96	1,592.29	572.92	517.85	55.07	10.404	
6,300.00	5,847.42	6,305.74	5,992.91	46.99	39.24	-139.15	390.36	1,604.36	578.98	522.95	56.03	10.333	
6,350.00	5,890.72	6,350.00	6,026.42	47.41	39.55	-130.17	416.61	1,616.46	585.18	528.14	57.05	10.258	
6,400.00	5,932.60	6,387.86	6,053.47	47.83	39.81	-122.79	441.19	1,626.31	591.41	533.64	57.78	10.236	
6,450.00	5,972.74	6,427.95	6,080.36	48.23	40.08	-116.56	469.22	1,636.19	597.59	539.07	58.52	10.212	
6,500.00	6,010.83	6,467.47	6,104.97	48.61	40.35	-111.35	498.75	1,645.32	603.61	544.45	59.16	10.203	
6,550.00	6,046.58	6,506.50	6,127.32	48.98	40.60	-106.98	529.63	1,653.71	609.39	549.69	59.70	10.208	
6,600.00	6,079.73	6,550.00	6,149.81	49.33	40.89	-103.22	565.85	1,662.27	614.86	554.45	60.41	10.178	
6,650.00	6,110.01	6,583.33	6,165.23	49.67	41.09	-100.22	594.78	1,668.24	619.87	559.43	60.45	10.255	
6,700.00	6,137.21	6,621.22	6,180.79	49.98	41.33	-97.64	628.78	1,674.38	624.44	563.77	60.68	10.292	
6,750.00	6,161.10	6,658.84	6,194.08	50.28	41.56	-95.50	663.54	1,679.76	628.47	567.65	60.82	10.334	
6,800.00	6,181.52	6,700.00	6,206.12	50.55	41.80	-93.72	702.57	1,684.81	631.93	570.79	61.14	10.335	
6,850.00	6,198.29	6,733.38	6,213.91	50.81	41.99	-92.37	734.84	1,688.24	634.72	573.81	60.91	10.420	
6,900.00	6,211.31	6,770.38	6,220.45	51.05	42.20	-91.31	771.12	1,691.35	636.86	575.96	60.90	10.458	
6,950.00	6,220.46	6,807.26	6,224.75	51.27	42.41	-90.57	807.67	1,693.68	638.30	577.43	60.86	10.487	
7,000.00	6,225.68	6,850.00	6,226.93	51.47	42.65	-90.10	850.31	1,695.44	639.05	577.85	61.21	10.441	
7,040.67	6,227.00	6,879.11	6,227.00	51.63	42.80	-90.00	879.41	1,696.16	638.98	577.84	61.14	10.451	
7,100.00	6,227.00	6,938.43	6,227.00	51.85	43.14	-90.00	938.71	1,697.56	638.20	576.01	62.19	10.262	
7,200.00	6,227.00	7,038.42	6,227.00	52.25	43.74	-90.00	1,038.68	1,699.93	636.89	572.83	64.06	9.942	
7,300.00	6,227.00	7,138.42	6,227.00	52.70	44.41	-90.00	1,138.64	1,702.30	635.59	569.52	66.07	9.620	
7,400.00	6,227.00	7,238.41	6,227.00	53.18	45.12	-90.00	1,238.60	1,704.67	634.28	566.08	68.20	9.300	
7,500.00	6,227.00	7,338.40	6,227.00	53.71	45.89	-90.00	1,338.57	1,707.05	632.97	562.52	70.45	8.985	
7,600.00	6,227.00	7,438.39	6,227.00	54.28	46.71	-90.00	1,438.53	1,709.42	631.66	558.87	72.79	8.677	
7,700.00	6,227.00	7,538.38	6,227.00	54.89	47.59	-90.00	1,538.49	1,711.79	630.35	555.12	75.24	8.378	
7,800.00	6,227.00	7,638.37	6,227.00	55.55	48.51	-90.00	1,638.46	1,714.16	629.05	551.29	77.76	8.090	
7,900.00	6,227.00	7,738.36	6,227.00	56.25	49.49	-90.00	1,738.42	1,716.53	627.74	547.38	80.36	7.811	
8,000.00	6,227.00	7,838.36	6,227.00	56.99	50.50	-90.00	1,838.38	1,718.90	626.43	543.40	83.03	7.544	
8,100.00	6,227.00	7,938.35	6,227.00	57.78	51.57	-90.00	1,938.35	1,721.27	625.12	539.35	85.77	7.289	
8,200.00	6,227.00	8,038.34	6,227.00	58.62	52.67	-90.00	2,038.31	1,723.64	623.81	535.26	88.56	7.044	
8,300.00	6,227.00	8,138.33	6,227.00	59.49	53.82	-90.00	2,138.27	1,726.01	622.51	531.11	91.40	6.811	
8,400.00	6,227.00	8,238.32	6,227.00	60.41	55.00	-90.00	2,238.24	1,728.38	621.20	526.91	94.29	6.588	
8,500.00	6,227.00	8,338.31	6,227.00	61.37	56.21	-90.00	2,338.20	1,730.75	619.89	522.67	97.22	6.376	
8,600.00	6,227.00	8,438.30	6,227.00	62.37	57.46	-90.00	2,438.16	1,733.12	618.58	518.39	100.19	6.174	
8,700.00	6,227.00	8,538.30	6,227.00	63.41	58.73	-90.00	2,538.13	1,735.49	617.27	514.07	103.20	5.981	
8,800.00	6,227.00	8,638.29	6,227.00	64.49	60.04	-90.00	2,638.09	1,737.86	615.97	509.72	106.24	5.798	
8,900.00	6,227.00	8,738.28	6,227.00	65.60	61.37	-90.00	2,738.05	1,740.23	614.66	505.35	109.31	5.623	
9,000.00	6,227.00	8,838.27	6,227.00	66.74	62.73	-90.00	2,838.02	1,742.60	613.35	500.94	112.41	5.456	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-04 - 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	
9,100.00	6,227.00	8,938.26	6,227.00	67.92	64.11	-90.00	2,937.98	1,744.97	612.04	496.51	115.53	5.298	
9,200.00	6,227.00	9,038.25	6,227.00	69.13	65.50	-90.00	3,037.94	1,747.34	610.73	492.06	118.68	5.146	
9,300.00	6,227.00	9,138.24	6,227.00	70.37	66.92	-90.00	3,137.91	1,749.72	609.43	487.58	121.84	5.002	
9,400.00	6,227.00	9,238.24	6,227.00	71.63	68.36	-90.00	3,237.87	1,752.09	608.12	483.09	125.03	4.864	
9,500.00	6,227.00	9,338.23	6,227.00	72.92	69.81	-90.00	3,337.83	1,754.46	606.81	478.57	128.24	4.732	
9,600.00	6,227.00	9,438.22	6,227.00	74.23	71.28	-90.00	3,437.80	1,756.83	605.50	474.04	131.46	4.606	
9,700.00	6,227.00	9,538.21	6,227.00	75.57	72.77	-90.00	3,537.76	1,759.20	604.19	469.49	134.70	4.486	
9,800.00	6,227.00	9,638.20	6,227.00	76.93	74.27	-90.00	3,637.72	1,761.57	602.89	464.93	137.95	4.370	
9,900.00	6,227.00	9,738.19	6,227.00	78.31	75.78	-90.00	3,737.69	1,763.94	601.58	460.36	141.22	4.260	
10,000.00	6,227.00	9,838.18	6,227.00	79.71	77.30	-90.00	3,837.65	1,766.31	600.27	455.77	144.50	4.154	
10,100.00	6,227.00	9,938.18	6,227.00	81.12	78.84	-90.00	3,937.61	1,768.68	598.96	451.17	147.79	4.053	
10,200.00	6,227.00	10,038.17	6,227.00	82.55	80.38	-90.00	4,037.58	1,771.05	597.65	446.56	151.09	3.956	
10,300.00	6,227.00	10,138.16	6,227.00	84.00	81.94	-90.00	4,137.54	1,773.42	596.35	441.94	154.41	3.862	
10,400.00	6,227.00	10,238.15	6,227.00	85.46	83.50	-90.00	4,237.50	1,775.79	595.04	437.31	157.73	3.773	
10,500.00	6,227.00	10,338.14	6,227.00	86.94	85.07	-90.00	4,337.47	1,778.16	593.73	432.67	161.06	3.686	
10,600.00	6,227.00	10,438.13	6,227.00	88.43	86.65	-90.00	4,437.43	1,780.53	592.42	428.02	164.40	3.603	
10,700.00	6,227.00	10,538.12	6,227.00	89.93	88.24	-90.00	4,537.39	1,782.90	591.11	423.36	167.75	3.524	
10,800.00	6,227.00	10,638.12	6,227.00	91.44	89.84	-90.00	4,637.36	1,785.27	589.81	418.70	171.11	3.447	
10,900.00	6,227.00	10,738.11	6,227.00	92.96	91.44	-90.00	4,737.32	1,787.64	588.50	414.03	174.47	3.373	
11,000.00	6,227.00	10,838.10	6,227.00	94.50	93.05	-90.00	4,837.28	1,790.01	587.19	409.35	177.84	3.302	
11,100.00	6,227.00	10,938.09	6,227.00	96.04	94.66	-90.00	4,937.25	1,792.39	585.88	404.66	181.22	3.233	
11,200.00	6,227.00	11,038.08	6,227.00	97.59	96.29	-90.00	5,037.21	1,794.76	584.57	399.97	184.60	3.167	
11,300.00	6,227.00	11,138.07	6,227.00	99.15	97.91	-90.00	5,137.17	1,797.13	583.26	395.28	187.99	3.103	
11,400.00	6,227.00	11,238.06	6,227.00	100.72	99.54	-90.00	5,237.14	1,799.50	581.96	390.57	191.38	3.041	
11,435.19	6,227.00	11,265.65	6,227.00	101.28	99.99	-90.00	5,264.71	1,800.15	581.55	389.83	191.72	3.033 SF	
11,500.00	6,227.00	11,265.65	6,227.00	102.30	99.99	-90.00	5,264.71	1,800.15	585.15	399.63	185.52	3.154	
11,600.00	6,227.00	11,265.65	6,227.00	103.88	99.99	-90.00	5,264.71	1,800.15	604.45	431.64	172.80	3.498	
11,700.00	6,227.00	11,265.65	6,227.00	105.47	99.99	-90.00	5,264.71	1,800.15	639.00	481.07	157.93	4.046	
11,743.45	6,227.00	11,265.65	6,227.00	106.17	99.99	-90.00	5,264.71	1,800.15	658.20	506.91	151.29	4.351	
11,808.25	6,227.00	11,265.65	6,227.00	107.20	99.99	-90.00	5,264.71	1,800.15	690.30	548.80	141.50	4.879	
11,900.00	6,227.00	11,265.65	6,227.00	108.66	99.99	-90.00	5,264.71	1,800.15	742.27	613.86	128.41	5.780	
12,000.00	6,227.00	11,265.65	6,227.00	110.26	99.99	-90.00	5,264.71	1,800.15	807.01	691.18	115.84	6.967	
12,100.00	6,227.00	11,265.65	6,227.00	111.86	99.99	-90.00	5,264.71	1,800.15	878.40	773.13	105.27	8.344	
12,200.00	6,227.00	11,265.65	6,227.00	113.47	99.99	-90.00	5,264.71	1,800.15	954.94	858.27	96.66	9.879	
12,300.00	6,227.00	11,265.65	6,227.00	115.08	99.99	-90.00	5,264.71	1,800.15	1,035.48	945.67	89.81	11.530	
12,400.00	6,227.00	11,265.65	6,227.00	116.70	99.99	-90.00	5,264.71	1,800.15	1,119.16	1,034.71	84.46	13.251	
12,500.00	6,227.00	11,265.65	6,227.00	118.33	99.99	-90.00	5,264.71	1,800.15	1,205.34	1,124.98	80.36	15.000	
12,600.00	6,227.00	11,265.65	6,227.00	119.96	99.99	-90.00	5,264.71	1,800.15	1,293.51	1,216.24	77.26	16.742	
12,700.00	6,227.00	11,265.65	6,227.00	121.60	99.99	-90.00	5,264.71	1,800.15	1,383.28	1,308.31	74.98	18.450	
12,800.00	6,227.00	11,265.65	6,227.00	123.24	99.99	-90.00	5,264.71	1,800.15	1,474.38	1,401.05	73.32	20.107	
12,900.00	6,227.00	11,265.65	6,227.00	124.88	99.99	-90.00	5,264.71	1,800.15	1,566.56	1,494.39	72.17	21.707	
13,000.00	6,227.00	11,265.65	6,227.00	126.53	99.99	-90.00	5,264.71	1,800.15	1,659.64	1,588.25	71.39	23.247	
13,100.00	6,227.00	11,265.65	6,227.00	128.18	99.99	-90.00	5,264.71	1,800.15	1,753.49	1,682.58	70.91	24.728	
13,200.00	6,227.00	11,265.65	6,227.00	129.84	99.99	-90.00	5,264.71	1,800.15	1,847.98	1,777.33	70.65	26.156	
13,300.00	6,227.00	11,265.65	6,227.00	131.50	99.99	-90.00	5,264.71	1,800.15	1,943.03	1,872.47	70.56	27.536	
13,400.00	6,227.00	11,265.65	6,227.00	133.16	99.99	-90.00	5,264.71	1,800.15	2,038.55	1,967.95	70.60	28.874	
13,500.00	6,227.00	11,265.65	6,227.00	134.83	99.99	-90.00	5,264.71	1,800.15	2,134.48	2,063.74	70.74	30.176	
13,600.00	6,227.00	11,265.65	6,227.00	136.50	99.99	-90.00	5,264.71	1,800.15	2,230.76	2,159.82	70.94	31.446	
13,700.00	6,227.00	11,265.65	6,227.00	138.17	99.99	-90.00	5,264.71	1,800.15	2,327.36	2,256.16	71.20	32.689	
13,800.00	6,227.00	11,265.65	6,227.00	139.85	99.99	-90.00	5,264.71	1,800.15	2,424.24	2,352.74	71.49	33.909	
13,900.00	6,227.00	11,265.65	6,227.00	141.53	99.99	-90.00	5,264.71	1,800.15	2,521.36	2,449.54	71.82	35.109	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-04 - 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	
14,000.00	6,227.00	11,265.65	6,227.00	143.21	99.99	-90.00	5,264.71	1,800.15	2,618.69	2,546.54	72.16	36.292	
14,100.00	6,227.00	11,265.65	6,227.00	144.89	99.99	-90.00	5,264.71	1,800.15	2,716.22	2,643.72	72.51	37.461	
14,200.00	6,227.00	11,265.65	6,227.00	146.58	99.99	-90.00	5,264.71	1,800.15	2,813.93	2,741.06	72.87	38.618	
14,300.00	6,227.00	11,265.65	6,227.00	148.26	99.99	-90.00	5,264.71	1,800.15	2,911.79	2,838.56	73.23	39.764	
14,400.00	6,227.00	11,265.65	6,227.00	149.96	99.99	-90.00	5,264.71	1,800.15	3,009.79	2,936.20	73.59	40.901	
14,500.00	6,227.00	11,265.65	6,227.00	151.65	99.99	-90.00	5,264.71	1,800.15	3,107.91	3,033.97	73.95	42.030	
14,600.00	6,227.00	11,265.65	6,227.00	153.34	99.99	-90.00	5,264.71	1,800.15	3,206.16	3,131.86	74.30	43.151	
14,700.00	6,227.00	11,265.65	6,227.00	155.04	99.99	-90.00	5,264.71	1,800.15	3,304.51	3,229.86	74.65	44.266	
14,800.00	6,227.00	11,265.65	6,227.00	156.74	99.99	-90.00	5,264.71	1,800.15	3,402.95	3,327.96	74.99	45.376	
14,900.00	6,227.00	11,265.65	6,227.00	158.44	99.99	-90.00	5,264.71	1,800.15	3,501.48	3,426.15	75.33	46.481	
15,000.00	6,227.00	11,265.65	6,227.00	160.14	99.99	-90.00	5,264.71	1,800.15	3,600.10	3,524.44	75.66	47.581	
15,100.00	6,227.00	11,265.65	6,227.00	161.85	99.99	-90.00	5,264.71	1,800.15	3,698.79	3,622.80	75.99	48.678	
15,200.00	6,227.00	11,265.65	6,227.00	163.56	99.99	-90.00	5,264.71	1,800.15	3,797.54	3,721.24	76.30	49.770	
15,300.00	6,227.00	11,265.65	6,227.00	165.26	99.99	-90.00	5,264.71	1,800.15	3,896.36	3,819.75	76.61	50.859	
15,400.00	6,227.00	11,265.65	6,227.00	166.97	99.99	-90.00	5,264.71	1,800.15	3,995.24	3,918.33	76.91	51.946	
15,500.00	6,227.00	11,265.65	6,227.00	168.68	99.99	-90.00	5,264.71	1,800.15	4,094.18	4,016.97	77.21	53.029	
15,600.00	6,227.00	11,265.65	6,227.00	170.40	99.99	-90.00	5,264.71	1,800.15	4,193.16	4,115.67	77.49	54.110	
15,700.00	6,227.00	11,265.65	6,227.00	172.11	99.99	-90.00	5,264.71	1,800.15	4,292.19	4,214.42	77.77	55.188	
15,800.00	6,227.00	11,265.65	6,227.00	173.83	99.99	-90.00	5,264.71	1,800.15	4,391.27	4,313.22	78.05	56.264	
15,900.00	6,227.00	11,265.65	6,227.00	175.54	99.99	-90.00	5,264.71	1,800.15	4,490.38	4,412.07	78.32	57.337	
16,000.00	6,227.00	11,265.65	6,227.00	177.26	99.99	-90.00	5,264.71	1,800.15	4,589.54	4,510.96	78.58	58.409	
16,100.00	6,227.00	11,265.65	6,227.00	178.98	99.99	-90.00	5,264.71	1,800.15	4,688.73	4,609.90	78.83	59.478	
16,200.00	6,227.00	11,265.65	6,227.00	180.70	99.99	-90.00	5,264.71	1,800.15	4,787.95	4,708.87	79.08	60.545	
16,300.00	6,227.00	11,265.65	6,227.00	182.42	99.99	-90.00	5,264.71	1,800.15	4,887.21	4,807.88	79.32	61.611	
16,400.00	6,227.00	11,265.65	6,227.00	184.15	99.99	-90.00	5,264.71	1,800.15	4,986.49	4,906.93	79.56	62.674	
16,500.00	6,227.00	11,265.65	6,227.00	185.87	99.99	-90.00	5,264.71	1,800.15	5,085.81	5,006.01	79.79	63.736	
16,600.00	6,227.00	11,265.65	6,227.00	187.60	99.99	-90.00	5,264.71	1,800.15	5,185.15	5,105.12	80.02	64.796	
16,700.00	6,227.00	11,265.65	6,227.00	189.32	99.99	-90.00	5,264.71	1,800.15	5,284.51	5,204.26	80.25	65.855	
16,800.00	6,227.00	11,265.65	6,227.00	191.05	99.99	-90.00	5,264.71	1,800.15	5,383.90	5,303.43	80.46	66.911	
16,900.00	6,227.00	11,265.65	6,227.00	192.78	99.99	-90.00	5,264.71	1,800.15	5,483.31	5,402.63	80.68	67.966	
17,000.00	6,227.00	11,265.65	6,227.00	194.51	99.99	-90.00	5,264.71	1,800.15	5,582.74	5,501.85	80.89	69.019	
17,100.00	6,227.00	11,265.65	6,227.00	196.24	99.99	-90.00	5,264.71	1,800.15	5,682.19	5,601.10	81.09	70.071	
17,200.00	6,227.00	11,265.65	6,227.00	197.97	99.99	-90.00	5,264.71	1,800.15	5,781.66	5,700.37	81.29	71.121	
17,300.00	6,227.00	11,265.65	6,227.00	199.70	99.99	-90.00	5,264.71	1,800.15	5,881.15	5,799.66	81.49	72.169	
17,400.00	6,227.00	11,265.65	6,227.00	201.44	99.99	-90.00	5,264.71	1,800.15	5,980.66	5,898.97	81.69	73.216	
17,500.00	6,227.00	11,265.65	6,227.00	203.17	99.99	-90.00	5,264.71	1,800.15	6,080.18	5,998.30	81.88	74.261	
17,600.00	6,227.00	11,265.65	6,227.00	204.90	99.99	-90.00	5,264.71	1,800.15	6,179.71	6,097.65	82.06	75.304	
17,700.00	6,227.00	11,265.65	6,227.00	206.64	99.99	-90.00	5,264.71	1,800.15	6,279.27	6,197.02	82.25	76.346	
17,800.00	6,227.00	11,265.65	6,227.00	208.38	99.99	-90.00	5,264.71	1,800.15	6,378.83	6,296.40	82.43	77.387	
17,900.00	6,227.00	11,265.65	6,227.00	210.11	99.99	-90.00	5,264.71	1,800.15	6,478.41	6,395.81	82.61	78.425	
18,000.00	6,227.00	11,265.65	6,227.00	211.85	99.99	-90.00	5,264.71	1,800.15	6,578.00	6,495.22	82.78	79.462	
18,100.00	6,227.00	11,265.65	6,227.00	213.59	99.99	-90.00	5,264.71	1,800.15	6,677.61	6,594.65	82.95	80.498	
18,200.00	6,227.00	11,265.65	6,227.00	215.33	99.99	-90.00	5,264.71	1,800.15	6,777.22	6,694.10	83.12	81.532	
18,300.00	6,227.00	11,265.65	6,227.00	217.07	99.99	-90.00	5,264.71	1,800.15	6,876.85	6,793.56	83.29	82.564	
18,400.00	6,227.00	11,265.65	6,227.00	218.81	99.99	-90.00	5,264.71	1,800.15	6,976.49	6,893.03	83.46	83.595	
18,500.00	6,227.00	11,265.65	6,227.00	220.55	99.99	-90.00	5,264.71	1,800.15	7,076.14	6,992.52	83.62	84.624	
18,600.00	6,227.00	11,265.65	6,227.00	222.29	99.99	-90.00	5,264.71	1,800.15	7,175.79	7,092.01	83.78	85.651	
18,700.00	6,227.00	11,265.65	6,227.00	224.03	99.99	-90.00	5,264.71	1,800.15	7,275.46	7,191.52	83.94	86.677	
18,800.00	6,227.00	11,265.65	6,227.00	225.78	99.99	-90.00	5,264.71	1,800.15	7,375.14	7,291.04	84.09	87.701	
18,900.00	6,227.00	11,265.65	6,227.00	227.52	99.99	-90.00	5,264.71	1,800.15	7,474.82	7,390.57	84.25	88.724	
19,000.00	6,227.00	11,265.65	6,227.00	229.26	99.99	-90.00	5,264.71	1,800.15	7,574.51	7,490.11	84.40	89.745	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-04 - 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		
19,100.00	6,227.00	11,265.65	6,227.00	231.01	99.99	-90.00	5,264.71	1,800.15	7,674.22	7,589.67	84.55	90.764		
19,200.00	6,227.00	11,265.65	6,227.00	232.75	99.99	-90.00	5,264.71	1,800.15	7,773.92	7,689.23	84.70	91.782		
19,300.00	6,227.00	11,265.65	6,227.00	234.50	99.99	-90.00	5,264.71	1,800.15	7,873.64	7,788.79	84.85	92.798		
19,400.00	6,227.00	11,265.65	6,227.00	236.25	99.99	-90.00	5,264.71	1,800.15	7,973.36	7,888.37	84.99	93.813		
19,500.00	6,227.00	11,265.65	6,227.00	237.99	99.99	-90.00	5,264.71	1,800.15	8,073.09	7,987.96	85.14	94.825		
19,600.00	6,227.00	11,265.65	6,227.00	239.74	99.99	-90.00	5,264.71	1,800.15	8,172.83	8,087.55	85.28	95.837		
19,700.00	6,227.00	11,265.65	6,227.00	241.49	99.99	-90.00	5,264.71	1,800.15	8,272.57	8,187.15	85.42	96.846		
19,800.00	6,227.00	11,265.65	6,227.00	243.24	99.99	-90.00	5,264.71	1,800.15	8,372.32	8,286.76	85.56	97.854		
19,900.00	6,227.00	11,265.65	6,227.00	244.98	99.99	-90.00	5,264.71	1,800.15	8,472.08	8,386.38	85.70	98.860		
20,000.00	6,227.00	11,265.65	6,227.00	246.73	99.99	-90.00	5,264.71	1,800.15	8,571.84	8,486.00	85.83	99.864		
20,100.00	6,227.00	11,265.65	6,227.00	248.48	99.99	-90.00	5,264.71	1,800.15	8,671.61	8,585.63	85.97	100.867		
20,200.00	6,227.00	11,265.65	6,227.00	250.23	99.99	-90.00	5,264.71	1,800.15	8,771.38	8,685.27	86.11	101.868		
20,300.00	6,227.00	11,265.65	6,227.00	251.98	99.99	-90.00	5,264.71	1,800.15	8,871.15	8,784.91	86.24	102.867		
20,400.00	6,227.00	11,265.65	6,227.00	253.73	99.99	-90.00	5,264.71	1,800.15	8,970.94	8,884.56	86.37	103.865		
20,500.00	6,227.00	11,265.65	6,227.00	255.49	99.99	-90.00	5,264.71	1,800.15	9,070.72	8,984.22	86.50	104.861		
20,600.00	6,227.00	11,265.65	6,227.00	257.24	99.99	-90.00	5,264.71	1,800.15	9,170.51	9,083.88	86.63	105.855		
20,700.00	6,227.00	11,265.65	6,227.00	258.99	99.99	-90.00	5,264.71	1,800.15	9,270.31	9,183.55	86.76	106.847		
20,800.00	6,227.00	11,265.65	6,227.00	260.74	99.99	-90.00	5,264.71	1,800.15	9,370.11	9,283.22	86.89	107.838		
20,900.00	6,227.00	11,265.65	6,227.00	262.49	99.99	-90.00	5,264.71	1,800.15	9,469.91	9,382.89	87.02	108.827		
21,000.00	6,227.00	11,265.65	6,227.00	264.25	99.99	-90.00	5,264.71	1,800.15	9,569.72	9,482.58	87.14	109.814		
21,100.00	6,227.00	11,265.65	6,227.00	266.00	99.99	-90.00	5,264.71	1,800.15	9,669.53	9,582.26	87.27	110.799		
21,200.00	6,227.00	11,265.65	6,227.00	267.75	99.99	-90.00	5,264.71	1,800.15	9,769.35	9,681.95	87.40	111.783		
21,300.00	6,227.00	11,265.65	6,227.00	269.51	99.99	-90.00	5,264.71	1,800.15	9,869.17	9,781.65	87.52	112.765		
21,400.00	6,227.00	11,265.65	6,227.00	271.26	99.99	-90.00	5,264.71	1,800.15	9,968.99	9,881.35	87.64	113.745		
21,500.00	6,227.00	11,265.65	6,227.00	273.02	99.99	-90.00	5,264.71	1,800.15	10,068.82	9,981.05	87.77	114.724		

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-20-06 - 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	0.00	0.00	0.00	0.00	-179.20	-20.04	-0.28	20.04				
100.00	100.00	100.00	100.00	0.27	0.27	-179.20	-20.04	-0.28	20.04	19.50	0.54	37.267	
200.00	200.00	200.00	200.00	0.63	0.63	-179.20	-20.04	-0.28	20.04	18.78	1.25	15.972	
300.00	300.00	300.00	300.00	0.99	0.99	-179.20	-20.04	-0.28	20.04	18.07	1.97	10.164	
400.00	400.00	400.05	400.03	1.34	1.34	175.80	-19.84	1.46	19.89	17.21	2.68	7.414	
421.28	421.28	421.32	421.28	1.42	1.41	91.61	-19.74	2.27	19.87	17.04	2.83	7.016 CC	
500.00	499.98	500.00	499.84	1.70	1.69	83.75	-19.23	6.65	20.09	16.70	3.39	5.930 ES	
600.00	599.84	599.74	599.20	2.05	2.06	74.31	-18.23	15.28	20.95	16.85	4.10	5.109	
700.00	699.45	699.41	698.12	2.41	2.44	65.92	-16.83	27.33	22.40	17.57	4.83	4.637	
800.00	798.70	798.95	796.44	2.79	2.84	58.82	-15.04	42.77	24.33	18.75	5.58	4.361	
900.00	897.47	898.38	894.04	3.19	3.28	52.96	-12.86	61.57	26.63	20.29	6.34	4.199	
1,000.00	995.62	997.69	990.81	3.62	3.75	48.22	-10.29	83.70	29.20	22.08	7.12	4.101	
1,100.00	1,093.06	1,096.88	1,086.64	4.09	4.26	44.39	-7.34	109.11	31.98	24.06	7.92	4.039	
1,200.00	1,189.64	1,195.95	1,181.42	4.59	4.81	41.31	-4.01	137.76	34.90	26.17	8.73	3.996	
1,300.00	1,285.27	1,294.92	1,275.04	5.14	5.42	38.84	-0.31	169.61	37.93	28.36	9.57	3.962	
1,400.00	1,379.82	1,393.76	1,367.38	5.74	6.08	36.85	3.75	204.62	41.03	30.59	10.44	3.929	
1,500.00	1,473.17	1,492.50	1,458.36	6.40	6.80	35.25	8.18	242.72	44.18	32.84	11.34	3.896	
1,600.00	1,565.21	1,591.13	1,547.86	7.12	7.58	33.96	12.95	283.87	47.37	35.09	12.28	3.858	
1,614.66	1,578.59	1,605.58	1,560.85	7.23	7.70	33.80	13.68	290.15	47.84	35.42	12.42	3.853	
1,700.00	1,656.38	1,689.58	1,635.73	7.88	8.42	32.21	18.08	327.97	51.64	38.45	13.19	3.914	
1,800.00	1,747.52	1,787.63	1,721.67	8.67	9.33	29.14	23.52	374.85	58.92	44.94	13.98	4.215	
1,900.00	1,838.67	1,886.31	1,806.79	9.47	10.31	25.72	29.27	424.43	68.88	54.14	14.74	4.673	
2,000.00	1,929.81	1,985.71	1,892.40	10.28	11.31	23.08	35.10	474.61	79.28	63.72	15.56	5.094	
2,100.00	2,020.96	2,085.11	1,978.01	11.10	12.33	21.05	40.93	524.78	89.81	73.39	16.41	5.471	
2,200.00	2,112.10	2,184.51	2,063.62	11.92	13.36	19.45	46.75	574.96	100.42	83.14	17.28	5.810	
2,300.00	2,203.25	2,283.91	2,149.22	12.75	14.40	18.16	52.58	625.14	111.10	92.93	18.17	6.115	
2,400.00	2,294.39	2,383.31	2,234.83	13.59	15.45	17.09	58.40	675.32	121.83	102.76	19.07	6.389	
2,500.00	2,385.54	2,482.71	2,320.44	14.43	16.50	16.20	64.23	725.49	132.59	112.61	19.97	6.638	
2,600.00	2,476.68	2,582.11	2,406.05	15.27	17.55	15.44	70.06	775.67	143.37	122.49	20.89	6.864	
2,700.00	2,567.83	2,681.51	2,491.65	16.11	18.61	14.79	75.88	825.85	154.18	132.37	21.81	7.070	
2,800.00	2,658.97	2,780.91	2,577.26	16.96	19.67	14.22	81.71	876.03	165.01	142.27	22.73	7.258	
2,900.00	2,750.12	2,880.31	2,662.87	17.80	20.73	13.72	87.53	926.20	175.85	152.18	23.67	7.430	
3,000.00	2,841.26	2,979.71	2,748.48	18.65	21.80	13.28	93.36	976.38	186.70	162.10	24.60	7.589	
3,100.00	2,932.41	3,079.11	2,834.08	19.50	22.86	12.89	99.19	1,026.56	197.56	172.02	25.54	7.736	
3,200.00	3,023.55	3,178.51	2,919.69	20.35	23.93	12.54	105.01	1,076.73	208.43	181.95	26.48	7.871	
3,300.00	3,114.70	3,277.91	3,005.30	21.21	25.00	12.22	110.84	1,126.91	219.30	191.88	27.42	7.997	
3,400.00	3,205.84	3,377.31	3,090.91	22.06	26.07	11.94	116.66	1,177.09	230.18	201.81	28.37	8.114	
3,500.00	3,296.99	3,476.71	3,176.51	22.92	27.15	11.68	122.49	1,227.27	241.07	211.75	29.32	8.223	
3,600.00	3,388.13	3,576.11	3,262.12	23.77	28.22	11.44	128.31	1,277.44	251.96	221.69	30.27	8.324	
3,700.00	3,479.28	3,675.51	3,347.73	24.63	29.29	11.22	134.14	1,327.62	262.86	231.64	31.22	8.419	
3,800.00	3,570.42	3,774.91	3,433.34	25.48	30.37	11.02	139.97	1,377.80	273.75	241.58	32.17	8.509	
3,900.00	3,661.57	3,874.31	3,518.94	26.34	31.44	10.84	145.79	1,427.98	284.66	251.53	33.13	8.593	
4,000.00	3,752.71	3,973.71	3,604.55	27.20	32.52	10.66	151.62	1,478.15	295.56	261.48	34.08	8.672	
4,100.00	3,843.86	4,073.11	3,690.16	28.05	33.59	10.50	157.44	1,528.33	306.47	271.43	35.04	8.746	
4,200.00	3,935.00	4,172.51	3,775.77	28.91	34.67	10.36	163.27	1,578.51	317.38	281.38	36.00	8.816	
4,300.00	4,026.15	4,271.91	3,861.37	29.77	35.75	10.22	169.10	1,628.69	328.29	291.33	36.96	8.883	
4,400.00	4,117.29	4,371.31	3,946.98	30.63	36.83	10.09	174.92	1,678.86	339.20	301.28	37.92	8.946	
4,500.00	4,208.44	4,470.71	4,032.59	31.49	37.91	9.97	180.75	1,729.04	350.11	311.24	38.88	9.006	
4,600.00	4,299.58	4,570.11	4,118.20	32.35	38.98	9.85	186.57	1,779.22	361.03	321.19	39.84	9.062	
4,700.00	4,390.73	4,669.51	4,203.80	33.21	40.06	9.74	192.40	1,829.39	371.95	331.15	40.80	9.116	
4,800.00	4,481.88	4,768.91	4,289.41	34.07	41.14	9.64	198.23	1,879.57	382.87	341.10	41.76	9.168	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-20-06 - 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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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
4,900.00	4,573.02	4,868.31	4,375.02	34.93	42.22	9.55	204.05	1,929.75	393.79	351.06	42.73	9.217	
5,000.00	4,664.17	4,967.71	4,460.63	35.79	43.30	9.46	209.88	1,979.93	404.71	361.02	43.69	9.263	
5,100.00	4,755.31	5,067.11	4,546.23	36.65	44.38	9.37	215.70	2,030.10	415.63	370.97	44.65	9.308	
5,200.00	4,846.46	5,166.51	4,631.84	37.51	45.46	9.29	221.53	2,080.28	426.55	380.93	45.62	9.351	
5,300.00	4,937.60	5,265.91	4,717.45	38.37	46.54	9.21	227.36	2,130.46	437.47	390.89	46.58	9.392	
5,400.00	5,028.75	5,365.31	4,803.06	39.23	47.62	9.14	233.18	2,180.64	448.40	400.85	47.55	9.431	
5,500.00	5,119.89	5,464.71	4,888.66	40.09	48.70	9.07	239.01	2,230.81	459.32	410.81	48.51	9.468	
5,600.00	5,211.04	5,564.11	4,974.27	40.96	49.78	9.00	244.83	2,280.99	470.25	420.77	49.48	9.504	
5,700.00	5,302.18	5,663.51	5,059.88	41.82	50.86	8.94	250.66	2,331.17	481.17	430.73	50.44	9.539	
5,800.00	5,393.33	5,762.91	5,145.49	42.68	51.95	8.88	256.48	2,381.35	492.10	440.69	51.41	9.572	
5,900.00	5,484.47	5,862.31	5,231.09	43.54	53.03	8.82	262.31	2,431.52	503.03	450.65	52.38	9.604	
6,000.00	5,575.62	5,961.71	5,316.70	44.40	54.11	8.76	268.14	2,481.70	513.95	460.61	53.35	9.634	
6,100.00	5,666.76	6,061.11	5,402.31	45.26	55.19	8.71	273.96	2,531.88	524.88	470.57	54.31	9.664	
6,175.79	5,735.84	6,136.45	5,467.19	45.92	56.01	8.67	278.38	2,569.91	533.16	478.12	55.05	9.686	
6,200.00	5,757.87	6,160.50	5,487.91	46.13	56.27	13.67	279.79	2,582.05	535.82	480.52	55.30	9.690	
6,250.00	5,803.02	6,210.02	5,530.56	46.56	56.81	23.53	282.69	2,607.05	541.34	485.41	55.93	9.678	
6,300.00	5,847.42	6,258.99	5,572.73	46.99	57.34	32.40	285.56	2,631.77	546.98	490.23	56.75	9.639	
6,350.00	5,890.72	6,307.03	5,614.11	47.41	57.87	40.15	288.38	2,656.02	552.89	495.11	57.78	9.569	
6,400.00	5,932.60	6,353.80	5,654.39	47.83	58.38	46.85	291.12	2,679.63	559.29	500.19	59.10	9.464	
6,450.00	5,972.74	6,398.92	5,693.25	48.23	58.87	52.64	293.76	2,702.41	566.48	505.73	60.75	9.324	
6,500.00	6,010.83	6,442.06	5,730.40	48.61	59.34	57.63	296.29	2,724.18	574.81	512.01	62.80	9.153	
6,550.00	6,046.58	6,483.96	5,766.48	48.98	59.79	61.96	298.76	2,745.33	584.64	519.36	65.27	8.957	
6,600.00	6,079.73	6,537.66	5,812.49	49.33	60.38	66.32	304.85	2,772.31	595.75	527.60	68.15	8.742	
6,650.00	6,110.01	6,595.87	5,861.56	49.67	61.00	70.26	317.05	2,801.10	607.68	536.69	70.99	8.560	
6,700.00	6,137.21	6,659.61	5,913.75	49.98	61.67	73.88	336.95	2,831.75	620.16	546.62	73.54	8.433	
6,750.00	6,161.10	6,730.11	5,968.84	50.28	62.37	77.25	366.63	2,864.13	632.86	557.33	75.53	8.379	
6,800.00	6,181.52	6,808.77	6,026.05	50.55	63.10	80.40	408.72	2,897.79	645.33	568.74	76.59	8.426	
6,850.00	6,198.29	6,897.00	6,083.61	50.81	63.83	83.31	466.22	2,931.71	657.03	580.62	76.41	8.599	
6,900.00	6,211.31	6,995.91	6,138.19	51.05	64.55	85.91	541.97	2,963.96	667.28	592.57	74.71	8.932	
6,950.00	6,220.46	7,105.63	6,184.59	51.27	65.20	88.02	637.33	2,991.47	675.34	603.84	71.50	9.445	
7,000.00	6,225.68	7,224.62	6,216.18	51.47	65.74	89.45	750.25	3,010.38	680.48	613.16	67.32	10.108	
7,040.67	6,227.00	7,325.75	6,226.73	51.63	66.08	89.98	850.48	3,016.91	682.09	618.11	63.98	10.661	
7,100.00	6,227.00	7,396.48	6,227.00	51.85	66.28	90.00	921.21	3,017.31	681.73	617.49	64.24	10.613	
7,200.00	6,227.00	7,496.48	6,227.00	52.25	66.57	90.00	1,021.21	3,017.66	681.02	615.11	65.91	10.332	
7,300.00	6,227.00	7,596.47	6,227.00	52.70	66.89	90.00	1,121.20	3,018.01	680.30	612.57	67.73	10.044	
7,400.00	6,227.00	7,696.47	6,227.00	53.18	67.23	90.00	1,221.20	3,018.36	679.59	609.91	69.68	9.753	
7,500.00	6,227.00	7,796.47	6,227.00	53.71	67.59	90.00	1,321.20	3,018.71	678.87	607.12	71.75	9.461	
7,600.00	6,227.00	7,896.47	6,227.00	54.28	67.99	90.00	1,421.19	3,019.06	678.16	604.22	73.94	9.172	
7,700.00	6,227.00	7,996.46	6,227.00	54.89	68.41	90.00	1,521.19	3,019.40	677.44	601.22	76.23	8.887	
7,800.00	6,227.00	8,096.46	6,227.00	55.55	68.86	90.00	1,621.19	3,019.75	676.73	598.12	78.61	8.609	
7,900.00	6,227.00	8,196.46	6,227.00	56.25	69.35	90.00	1,721.18	3,020.10	676.02	594.94	81.07	8.339	
8,000.00	6,227.00	8,296.46	6,227.00	56.99	69.86	90.00	1,821.18	3,020.45	675.30	591.69	83.61	8.076	
8,100.00	6,227.00	8,396.45	6,227.00	57.78	70.41	90.00	1,921.18	3,020.80	674.59	588.36	86.23	7.823	
8,200.00	6,227.00	8,496.45	6,227.00	58.62	70.98	90.00	2,021.17	3,021.15	673.87	584.97	88.91	7.580	
8,300.00	6,227.00	8,596.45	6,227.00	59.49	71.59	90.00	2,121.17	3,021.49	673.16	581.52	91.64	7.346	
8,400.00	6,227.00	8,696.45	6,227.00	60.41	72.24	90.00	2,221.17	3,021.84	672.44	578.01	94.43	7.121	
8,500.00	6,227.00	8,796.44	6,227.00	61.37	72.92	90.00	2,321.16	3,022.19	671.73	574.46	97.27	6.906	
8,600.00	6,227.00	8,896.44	6,227.00	62.37	73.63	90.00	2,421.16	3,022.54	671.01	570.86	100.16	6.700	
8,700.00	6,227.00	8,996.44	6,227.00	63.41	74.38	90.00	2,521.16	3,022.89	670.30	567.22	103.08	6.503	
8,800.00	6,227.00	9,096.44	6,227.00	64.49	75.16	90.00	2,621.15	3,023.24	669.59	563.54	106.04	6.314	
8,900.00	6,227.00	9,196.43	6,227.00	65.60	75.98	90.00	2,721.15	3,023.58	668.87	559.83	109.04	6.134	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	9,296.43	6,227.00	66.74	76.83	90.00	2,821.15	3,023.93	668.16	556.08	112.07	5.962	
9,100.00	6,227.00	9,396.43	6,227.00	67.92	77.72	90.00	2,921.15	3,024.28	667.44	552.31	115.13	5.797	
9,200.00	6,227.00	9,496.43	6,227.00	69.13	78.64	90.00	3,021.14	3,024.63	666.73	548.51	118.22	5.640	
9,300.00	6,227.00	9,596.42	6,227.00	70.37	79.60	90.00	3,121.14	3,024.98	666.01	544.69	121.33	5.489	
9,400.00	6,227.00	9,696.42	6,227.00	71.63	80.58	90.00	3,221.14	3,025.33	665.30	540.84	124.46	5.345	
9,500.00	6,227.00	9,796.42	6,227.00	72.92	81.60	90.00	3,321.13	3,025.68	664.58	536.97	127.62	5.208	
9,600.00	6,227.00	9,896.42	6,227.00	74.23	82.65	90.00	3,421.13	3,026.02	663.87	533.08	130.79	5.076	
9,700.00	6,227.00	9,996.41	6,227.00	75.57	83.73	90.00	3,521.13	3,026.37	663.15	529.17	133.99	4.949	
9,800.00	6,227.00	10,096.41	6,227.00	76.93	84.84	90.00	3,621.12	3,026.72	662.44	525.24	137.20	4.828	
9,900.00	6,227.00	10,196.41	6,227.00	78.31	85.98	90.00	3,721.12	3,027.07	661.73	521.30	140.42	4.712	
10,000.00	6,227.00	10,296.41	6,227.00	79.71	87.15	90.00	3,821.12	3,027.42	661.01	517.34	143.67	4.601	
10,100.00	6,227.00	10,396.40	6,227.00	81.12	88.34	90.00	3,921.11	3,027.77	660.30	513.37	146.92	4.494	
10,200.00	6,227.00	10,496.40	6,227.00	82.55	89.56	90.00	4,021.11	3,028.11	659.58	509.39	150.19	4.392	
10,300.00	6,227.00	10,596.40	6,227.00	84.00	90.80	90.00	4,121.11	3,028.46	658.87	505.39	153.47	4.293	
10,400.00	6,227.00	10,696.39	6,227.00	85.46	92.06	90.00	4,221.10	3,028.81	658.15	501.39	156.77	4.198	
10,500.00	6,227.00	10,796.39	6,227.00	86.94	93.35	90.00	4,321.10	3,029.16	657.44	497.37	160.07	4.107	
10,600.00	6,227.00	10,896.39	6,227.00	88.43	94.65	90.00	4,421.10	3,029.51	656.72	493.34	163.38	4.020	
10,700.00	6,227.00	10,996.39	6,227.00	89.93	95.98	90.00	4,521.09	3,029.86	656.01	489.30	166.71	3.935	
10,800.00	6,227.00	11,096.38	6,227.00	91.44	97.32	90.00	4,621.09	3,030.20	655.30	485.26	170.04	3.854	
10,900.00	6,227.00	11,196.38	6,227.00	92.96	98.69	90.00	4,721.09	3,030.55	654.58	481.20	173.38	3.775	
11,000.00	6,227.00	11,296.38	6,227.00	94.50	100.07	90.00	4,821.09	3,030.90	653.87	477.14	176.73	3.700	
11,100.00	6,227.00	11,396.38	6,227.00	96.04	101.46	90.00	4,921.08	3,031.25	653.15	473.07	180.08	3.627	
11,200.00	6,227.00	11,496.37	6,227.00	97.59	102.87	90.00	5,021.08	3,031.60	652.44	468.99	183.44	3.557	
11,300.00	6,227.00	11,596.37	6,227.00	99.15	104.30	90.00	5,121.08	3,031.95	651.72	464.91	186.81	3.489	
11,400.00	6,227.00	11,696.37	6,227.00	100.72	105.74	90.00	5,221.07	3,032.29	651.01	460.82	190.19	3.423	
11,500.00	6,227.00	11,796.37	6,227.00	102.30	107.19	90.00	5,321.07	3,032.64	650.29	456.72	193.57	3.359	
11,600.00	6,227.00	11,896.36	6,227.00	103.88	108.66	90.00	5,421.07	3,032.99	649.58	452.62	196.96	3.298	
11,700.00	6,227.00	11,996.36	6,227.00	105.47	110.13	90.00	5,521.06	3,033.34	648.86	448.51	200.35	3.239	
11,743.45	6,227.00	12,039.81	6,227.00	106.17	110.78	90.00	5,564.51	3,033.49	648.55	446.73	201.83	3.213	
11,763.93	6,227.00	12,060.29	6,227.00	106.49	111.08	90.00	5,584.99	3,033.56	648.48	445.96	202.52	3.202	
11,808.25	6,227.00	12,104.61	6,227.00	107.20	111.74	90.00	5,629.31	3,033.72	648.82	444.79	204.03	3.180	
11,900.00	6,227.00	12,196.35	6,227.00	108.66	113.12	90.00	5,721.05	3,034.04	650.24	443.09	207.16	3.139	
12,000.00	6,227.00	12,296.34	6,227.00	110.26	114.63	90.00	5,821.04	3,034.38	651.79	441.22	210.57	3.095	
12,100.00	6,227.00	12,396.32	6,227.00	111.86	116.15	90.00	5,921.02	3,034.73	653.34	439.35	213.98	3.053	
12,200.00	6,227.00	12,496.31	6,227.00	113.47	117.67	90.00	6,021.01	3,035.08	654.89	437.48	217.40	3.012	
12,300.00	6,227.00	12,596.30	6,227.00	115.08	119.21	90.00	6,121.00	3,035.43	656.43	435.60	220.83	2.973	
12,400.00	6,227.00	12,696.29	6,227.00	116.70	120.76	90.00	6,220.98	3,035.78	657.98	433.72	224.26	2.934	
12,500.00	6,227.00	12,796.28	6,227.00	118.33	122.31	90.00	6,320.97	3,036.13	659.53	431.84	227.69	2.897	
12,600.00	6,227.00	12,896.26	6,227.00	119.96	123.87	90.00	6,420.96	3,036.47	661.07	429.95	231.12	2.860	
12,700.00	6,227.00	12,996.25	6,227.00	121.60	125.44	90.00	6,520.95	3,036.82	662.62	428.06	234.56	2.825	
12,800.00	6,227.00	13,096.24	6,227.00	123.24	127.01	90.00	6,620.93	3,037.17	664.17	426.16	238.00	2.791	
12,900.00	6,227.00	13,196.23	6,227.00	124.88	128.59	90.00	6,720.92	3,037.52	665.72	424.27	241.45	2.757	
13,000.00	6,227.00	13,296.22	6,227.00	126.53	130.18	90.00	6,820.91	3,037.87	667.26	422.37	244.90	2.725	
13,100.00	6,227.00	13,396.20	6,227.00	128.18	131.77	90.00	6,920.90	3,038.22	668.81	420.46	248.35	2.693	
13,200.00	6,227.00	13,496.19	6,227.00	129.84	133.37	90.00	7,020.88	3,038.56	670.36	418.55	251.80	2.662	
13,300.00	6,227.00	13,596.18	6,227.00	131.50	134.97	90.00	7,120.87	3,038.91	671.91	416.65	255.26	2.632	
13,400.00	6,227.00	13,696.17	6,227.00	133.16	136.58	90.00	7,220.86	3,039.26	673.45	414.73	258.72	2.603	
13,500.00	6,227.00	13,796.16	6,227.00	134.83	138.19	90.00	7,320.85	3,039.61	675.00	412.82	262.18	2.575	
13,600.00	6,227.00	13,896.14	6,227.00	136.50	139.81	90.00	7,420.83	3,039.96	676.55	410.90	265.65	2.547	
13,700.00	6,227.00	13,996.13	6,227.00	138.17	141.43	90.00	7,520.82	3,040.31	678.09	408.98	269.11	2.520	
13,800.00	6,227.00	14,096.12	6,227.00	139.85	143.06	90.00	7,620.81	3,040.65	679.64	407.06	272.58	2.493	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-20-06 - 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		
13,900.00	6,227.00	14,196.11	6,227.00	141.53	144.69	90.00	7,720.80	3,041.00	681.19	405.14	276.05	2.468		
14,000.00	6,227.00	14,296.10	6,227.00	143.21	146.33	90.00	7,820.78	3,041.35	682.74	403.21	279.52	2.442		
14,100.00	6,227.00	14,396.08	6,227.00	144.89	147.97	90.00	7,920.77	3,041.70	684.28	401.29	283.00	2.418		
14,200.00	6,227.00	14,496.07	6,227.00	146.58	149.61	90.00	8,020.76	3,042.05	685.83	399.36	286.48	2.394		
14,300.00	6,227.00	14,596.06	6,227.00	148.26	151.26	90.00	8,120.75	3,042.40	687.38	397.42	289.95	2.371		
14,400.00	6,227.00	14,696.05	6,227.00	149.96	152.91	90.00	8,220.73	3,042.74	688.93	395.49	293.43	2.348		
14,500.00	6,227.00	14,796.04	6,227.00	151.65	154.56	90.00	8,320.72	3,043.09	690.47	393.56	296.92	2.325		
14,600.00	6,227.00	14,896.02	6,227.00	153.34	156.21	90.00	8,420.71	3,043.44	692.02	391.62	300.40	2.304		
14,700.00	6,227.00	14,996.01	6,227.00	155.04	157.87	90.00	8,520.70	3,043.79	693.57	389.68	303.88	2.282		
14,800.00	6,227.00	15,096.00	6,227.00	156.74	159.54	90.00	8,620.68	3,044.14	695.12	387.74	307.37	2.261		
14,900.00	6,227.00	15,195.99	6,227.00	158.44	161.20	90.00	8,720.67	3,044.49	696.66	385.80	310.86	2.241		
15,000.00	6,227.00	15,295.98	6,227.00	160.14	162.87	90.00	8,820.66	3,044.84	698.21	383.86	314.35	2.221		
15,100.00	6,227.00	15,395.96	6,227.00	161.85	164.54	90.00	8,920.65	3,045.18	699.76	381.92	317.84	2.202		
15,200.00	6,227.00	15,495.95	6,227.00	163.56	166.21	90.00	9,020.63	3,045.53	701.30	379.97	321.33	2.182		
15,300.00	6,227.00	15,595.94	6,227.00	165.26	167.89	90.00	9,120.62	3,045.88	702.85	378.03	324.82	2.164		
15,400.00	6,227.00	15,695.93	6,227.00	166.97	169.56	90.00	9,220.61	3,046.23	704.40	376.08	328.32	2.145		
15,500.00	6,227.00	15,795.92	6,227.00	168.68	171.24	90.00	9,320.60	3,046.58	705.95	374.13	331.82	2.128		
15,600.00	6,227.00	15,895.90	6,227.00	170.40	172.92	90.00	9,420.58	3,046.93	707.49	372.18	335.31	2.110		
15,700.00	6,227.00	15,995.89	6,227.00	172.11	174.61	90.00	9,520.57	3,047.27	709.04	370.23	338.81	2.093		
15,800.00	6,227.00	16,095.88	6,227.00	173.83	176.29	90.00	9,620.56	3,047.62	710.59	368.28	342.31	2.076		
15,900.00	6,227.00	16,195.87	6,227.00	175.54	177.98	90.00	9,720.54	3,047.97	712.14	366.33	345.81	2.059		
16,000.00	6,227.00	16,295.86	6,227.00	177.26	179.67	90.00	9,820.53	3,048.32	713.68	364.37	349.31	2.043		
16,100.00	6,227.00	16,395.85	6,227.00	178.98	181.36	90.00	9,920.52	3,048.67	715.23	362.42	352.81	2.027		
16,200.00	6,227.00	16,495.83	6,227.00	180.70	183.06	90.00	10,020.51	3,049.02	716.78	360.46	356.32	2.012		
16,300.00	6,227.00	16,595.82	6,227.00	182.42	184.75	90.00	10,120.49	3,049.36	718.32	358.50	359.82	1.996		
16,400.00	6,227.00	16,695.81	6,227.00	184.15	186.45	90.00	10,220.48	3,049.71	719.87	356.55	363.33	1.981		
16,500.00	6,227.00	16,795.80	6,227.00	185.87	188.15	90.00	10,320.47	3,050.06	721.42	354.59	366.83	1.967		
16,600.00	6,227.00	16,895.79	6,227.00	187.60	189.85	90.00	10,420.46	3,050.41	722.97	352.63	370.34	1.952		
16,700.00	6,227.00	16,995.77	6,227.00	189.32	191.55	90.00	10,520.44	3,050.76	724.51	350.67	373.85	1.938		
16,800.00	6,227.00	17,000.81	6,227.00	191.05	191.63	90.00	10,525.48	3,050.77	732.24	350.48	381.76	1.918 SF		
16,900.00	6,227.00	17,000.81	6,227.00	192.78	191.63	90.00	10,525.48	3,050.77	753.27	369.84	383.43	1.965		
17,000.00	6,227.00	17,000.81	6,227.00	194.51	191.63	90.00	10,525.48	3,050.77	786.54	407.17	379.37	2.073		
17,100.00	6,227.00	17,000.81	6,227.00	196.24	191.63	90.00	10,525.48	3,050.77	830.59	459.51	371.08	2.238		
17,200.00	6,227.00	17,000.81	6,227.00	197.97	191.63	90.00	10,525.48	3,050.77	883.81	523.69	360.12	2.454		
17,300.00	6,227.00	17,000.81	6,227.00	199.70	191.63	90.00	10,525.48	3,050.77	944.65	596.84	347.81	2.716		
17,400.00	6,227.00	17,000.81	6,227.00	201.44	191.63	90.00	10,525.48	3,050.77	1,011.73	676.63	335.10	3.019		
17,500.00	6,227.00	17,000.81	6,227.00	203.17	191.63	90.00	10,525.48	3,050.77	1,083.89	761.28	322.61	3.360		
17,600.00	6,227.00	17,000.81	6,227.00	204.90	191.63	90.00	10,525.48	3,050.77	1,160.20	849.48	310.72	3.734		
17,700.00	6,227.00	17,000.81	6,227.00	206.64	191.63	90.00	10,525.48	3,050.77	1,239.88	940.28	299.59	4.139		
17,800.00	6,227.00	17,000.81	6,227.00	208.38	191.63	90.00	10,525.48	3,050.77	1,322.32	1,033.01	289.31	4.571		
17,900.00	6,227.00	17,000.81	6,227.00	210.11	191.63	90.00	10,525.48	3,050.77	1,407.04	1,127.17	279.87	5.027		
18,000.00	6,227.00	17,000.81	6,227.00	211.85	191.63	90.00	10,525.48	3,050.77	1,493.65	1,222.41	271.24	5.507		
18,100.00	6,227.00	17,000.81	6,227.00	213.59	191.63	90.00	10,525.48	3,050.77	1,581.85	1,318.48	263.37	6.006		
18,200.00	6,227.00	17,000.81	6,227.00	215.33	191.63	90.00	10,525.48	3,050.77	1,671.37	1,415.19	256.18	6.524		
18,300.00	6,227.00	17,000.81	6,227.00	217.07	191.63	90.00	10,525.48	3,050.77	1,762.02	1,512.41	249.61	7.059		
18,400.00	6,227.00	17,000.81	6,227.00	218.81	191.63	90.00	10,525.48	3,050.77	1,853.63	1,610.02	243.61	7.609		
18,500.00	6,227.00	17,000.81	6,227.00	220.55	191.63	90.00	10,525.48	3,050.77	1,946.07	1,707.96	238.11	8.173		
18,600.00	6,227.00	17,000.81	6,227.00	222.29	191.63	90.00	10,525.48	3,050.77	2,039.22	1,806.15	233.07	8.749		
18,700.00	6,227.00	17,000.81	6,227.00	224.03	191.63	90.00	10,525.48	3,050.77	2,132.99	1,904.56	228.43	9.337		
18,800.00	6,227.00	17,000.81	6,227.00	225.78	191.63	90.00	10,525.48	3,050.77	2,227.30	2,003.14	224.17	9.936		
18,900.00	6,227.00	17,000.81	6,227.00	227.52	191.63	90.00	10,525.48	3,050.77	2,322.09	2,101.87	220.23	10.544		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-20-06 - 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	
19,000.00	6,227.00	17,000.81	6,227.00	229.26	191.63	90.00	10,525.48	3,050.77	2,417.30	2,200.72	216.58	11.161	
19,100.00	6,227.00	17,000.81	6,227.00	231.01	191.63	90.00	10,525.48	3,050.77	2,512.88	2,299.68	213.21	11.786	
19,200.00	6,227.00	17,000.81	6,227.00	232.75	191.63	90.00	10,525.48	3,050.77	2,608.80	2,398.73	210.07	12.419	
19,300.00	6,227.00	17,000.81	6,227.00	234.50	191.63	90.00	10,525.48	3,050.77	2,705.01	2,497.85	207.15	13.058	
19,400.00	6,227.00	17,000.81	6,227.00	236.25	191.63	90.00	10,525.48	3,050.77	2,801.48	2,597.05	204.43	13.704	
19,500.00	6,227.00	17,000.81	6,227.00	237.99	191.63	90.00	10,525.48	3,050.77	2,898.19	2,696.30	201.89	14.355	
19,600.00	6,227.00	17,000.81	6,227.00	239.74	191.63	90.00	10,525.48	3,050.77	2,995.12	2,795.61	199.52	15.012	
19,700.00	6,227.00	17,000.81	6,227.00	241.49	191.63	90.00	10,525.48	3,050.77	3,092.25	2,894.96	197.29	15.674	
19,800.00	6,227.00	17,000.81	6,227.00	243.24	191.63	90.00	10,525.48	3,050.77	3,189.55	2,994.35	195.20	16.340	
19,900.00	6,227.00	17,000.81	6,227.00	244.98	191.63	90.00	10,525.48	3,050.77	3,287.02	3,093.78	193.24	17.010	
20,000.00	6,227.00	17,000.81	6,227.00	246.73	191.63	90.00	10,525.48	3,050.77	3,384.63	3,193.24	191.39	17.684	
20,100.00	6,227.00	17,000.81	6,227.00	248.48	191.63	90.00	10,525.48	3,050.77	3,482.38	3,292.72	189.65	18.362	
20,200.00	6,227.00	17,000.81	6,227.00	250.23	191.63	90.00	10,525.48	3,050.77	3,580.25	3,392.24	188.01	19.043	
20,300.00	6,227.00	17,000.81	6,227.00	251.98	191.63	90.00	10,525.48	3,050.77	3,678.23	3,491.78	186.46	19.727	
20,400.00	6,227.00	17,000.81	6,227.00	253.73	191.63	90.00	10,525.48	3,050.77	3,776.33	3,591.34	184.99	20.414	
20,500.00	6,227.00	17,000.81	6,227.00	255.49	191.63	90.00	10,525.48	3,050.77	3,874.52	3,690.92	183.59	21.104	
20,600.00	6,227.00	17,000.81	6,227.00	257.24	191.63	90.00	10,525.48	3,050.77	3,972.80	3,790.52	182.28	21.796	
20,700.00	6,227.00	17,000.81	6,227.00	258.99	191.63	90.00	10,525.48	3,050.77	4,071.16	3,890.14	181.02	22.490	
20,800.00	6,227.00	17,000.81	6,227.00	260.74	191.63	90.00	10,525.48	3,050.77	4,169.60	3,989.77	179.83	23.186	
20,900.00	6,227.00	17,000.81	6,227.00	262.49	191.63	90.00	10,525.48	3,050.77	4,268.12	4,089.42	178.70	23.884	
21,000.00	6,227.00	17,000.81	6,227.00	264.25	191.63	90.00	10,525.48	3,050.77	4,366.70	4,189.08	177.62	24.584	
21,100.00	6,227.00	17,000.81	6,227.00	266.00	191.63	90.00	10,525.48	3,050.77	4,465.34	4,288.75	176.60	25.286	
21,200.00	6,227.00	17,000.81	6,227.00	267.75	191.63	90.00	10,525.48	3,050.77	4,564.05	4,388.43	175.62	25.989	
21,300.00	6,227.00	17,000.81	6,227.00	269.51	191.63	90.00	10,525.48	3,050.77	4,662.81	4,488.12	174.68	26.693	
21,400.00	6,227.00	17,000.81	6,227.00	271.26	191.63	90.00	10,525.48	3,050.77	4,761.62	4,587.83	173.79	27.399	
21,500.00	6,227.00	17,000.81	6,227.00	273.02	191.63	90.00	10,525.48	3,050.77	4,860.48	4,687.54	172.94	28.106	
21,600.00	6,227.00	17,000.81	6,227.00	274.77	191.63	90.00	10,525.48	3,050.77	4,959.38	4,787.26	172.12	28.813	
21,700.00	6,227.00	17,000.81	6,227.00	276.53	191.63	90.00	10,525.48	3,050.77	5,058.33	4,886.99	171.34	29.522	
21,800.00	6,227.00	17,000.81	6,227.00	278.28	191.63	90.00	10,525.48	3,050.77	5,157.32	4,986.73	170.59	30.232	
21,900.00	6,227.00	17,000.81	6,227.00	280.04	191.63	90.00	10,525.48	3,050.77	5,256.35	5,086.47	169.87	30.943	
22,000.00	6,227.00	17,000.81	6,227.00	281.80	191.63	90.00	10,525.48	3,050.77	5,355.41	5,186.22	169.19	31.654	
22,085.16	6,227.00	17,000.81	6,227.00	283.29	191.63	90.00	10,525.48	3,050.77	5,439.79	5,271.17	168.62	32.260	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-20-07 - 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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-179.60	-39.71	-0.28	39.71				
100.00	100.00	100.00	100.00	0.27	0.27	-179.60	-39.71	-0.28	39.71	39.17	0.54	73.844	
200.00	200.00	200.00	200.00	0.63	0.63	-179.60	-39.71	-0.28	39.71	38.45	1.25	31.647	
300.00	300.00	300.11	300.09	0.99	0.98	177.88	-39.53	1.46	39.56	37.59	1.97	20.119	
356.66	356.66	356.74	356.66	1.19	1.18	174.20	-39.27	3.99	39.47	37.10	2.37	16.651 CC	
400.00	400.00	400.00	399.84	1.34	1.34	170.30	-39.00	6.66	39.57	36.89	2.68	14.764 ES	
500.00	499.98	499.52	498.97	1.70	1.70	78.45	-38.13	15.28	40.70	37.31	3.40	11.978	
600.00	599.84	598.82	597.53	2.05	2.09	69.51	-36.91	27.30	43.07	38.95	4.13	10.439	
700.00	699.45	697.88	695.38	2.41	2.50	61.76	-35.35	42.66	46.47	41.60	4.87	9.543	
800.00	798.70	796.71	792.41	2.79	2.94	55.29	-33.45	61.33	50.68	45.05	5.63	9.008	
900.00	897.47	895.31	888.51	3.19	3.41	49.98	-31.23	83.26	55.50	49.10	6.40	8.677	
1,000.00	995.62	993.68	983.57	3.62	3.93	45.66	-28.67	108.41	60.77	53.59	7.18	8.462	
1,100.00	1,093.06	1,091.82	1,077.49	4.09	4.49	42.16	-25.80	136.72	66.36	58.38	7.98	8.316	
1,200.00	1,189.64	1,189.75	1,170.17	4.59	5.10	39.32	-22.61	168.13	72.19	63.39	8.80	8.203	
1,300.00	1,285.27	1,287.45	1,261.52	5.14	5.76	37.01	-19.11	202.61	78.17	68.53	9.64	8.109	
1,400.00	1,379.82	1,384.94	1,351.44	5.74	6.48	35.12	-15.31	240.07	84.26	73.75	10.51	8.020	
1,500.00	1,473.17	1,482.21	1,439.83	6.40	7.26	33.58	-11.21	280.47	90.41	79.01	11.40	7.931	
1,600.00	1,565.21	1,579.28	1,526.61	7.12	8.10	32.32	-6.82	323.73	96.60	84.27	12.33	7.837	
1,614.66	1,578.59	1,593.50	1,539.19	7.23	8.22	32.16	-6.15	330.31	97.50	85.04	12.46	7.824	
1,700.00	1,656.38	1,676.05	1,611.61	7.88	9.00	31.00	-2.15	369.74	103.87	90.62	13.25	7.838	
1,800.00	1,747.52	1,772.23	1,694.48	8.67	9.97	29.10	2.78	418.28	114.14	100.03	14.12	8.086	
1,900.00	1,838.67	1,867.60	1,775.01	9.47	11.00	26.90	7.94	469.12	127.53	112.62	14.91	8.552	
2,000.00	1,929.81	1,961.97	1,852.96	10.28	12.08	24.63	13.31	522.01	144.09	128.44	15.65	9.208	
2,100.00	2,020.96	2,057.78	1,930.56	11.10	13.24	22.44	18.98	577.93	163.44	147.02	16.43	9.950	
2,200.00	2,112.10	2,155.64	2,009.61	11.92	14.44	20.65	24.81	635.32	183.32	166.02	17.29	10.599	
2,300.00	2,203.25	2,253.50	2,088.66	12.75	15.66	19.20	30.63	692.72	203.33	185.15	18.18	11.182	
2,400.00	2,294.39	2,351.36	2,167.71	13.59	16.89	18.01	36.46	750.11	223.44	204.36	19.09	11.707	
2,500.00	2,385.54	2,449.22	2,246.76	14.43	18.13	17.02	42.28	807.50	243.64	223.63	20.00	12.180	
2,600.00	2,476.68	2,547.09	2,325.81	15.27	19.37	16.18	48.11	864.89	263.89	242.96	20.93	12.609	
2,700.00	2,567.83	2,644.95	2,404.87	16.11	20.61	15.47	53.93	922.28	284.19	262.32	21.86	12.999	
2,800.00	2,658.97	2,742.81	2,483.92	16.96	21.86	14.84	59.76	979.67	304.52	281.72	22.80	13.354	
2,900.00	2,750.12	2,840.67	2,562.97	17.80	23.11	14.30	65.58	1,037.06	324.89	301.14	23.75	13.679	
3,000.00	2,841.26	2,938.53	2,642.02	18.65	24.37	13.82	71.41	1,094.45	345.28	320.57	24.70	13.977	
3,100.00	2,932.41	3,036.39	2,721.07	19.50	25.63	13.39	77.23	1,151.84	365.69	340.03	25.66	14.251	
3,200.00	3,023.55	3,134.25	2,800.12	20.35	26.89	13.01	83.06	1,209.23	386.12	359.50	26.62	14.504	
3,300.00	3,114.70	3,232.11	2,879.17	21.21	28.15	12.66	88.88	1,266.62	406.56	378.98	27.59	14.738	
3,400.00	3,205.84	3,329.97	2,958.22	22.06	29.41	12.35	94.71	1,324.01	427.02	398.47	28.55	14.956	
3,500.00	3,296.99	3,427.83	3,037.27	22.92	30.68	12.07	100.53	1,381.40	447.49	417.97	29.52	15.158	
3,600.00	3,388.13	3,525.69	3,116.32	23.77	31.95	11.81	106.36	1,438.79	467.96	437.47	30.49	15.347	
3,700.00	3,479.28	3,623.55	3,195.37	24.63	33.21	11.57	112.18	1,496.18	488.45	456.98	31.47	15.523	
3,800.00	3,570.42	3,721.41	3,274.42	25.48	34.48	11.36	118.01	1,553.57	508.94	476.50	32.44	15.688	
3,900.00	3,661.57	3,819.27	3,353.47	26.34	35.75	11.16	123.83	1,610.97	529.44	496.02	33.42	15.842	
4,000.00	3,752.71	3,917.13	3,432.52	27.20	37.02	10.97	129.66	1,668.36	549.95	515.55	34.40	15.988	
4,100.00	3,843.86	4,014.99	3,511.58	28.05	38.29	10.80	135.48	1,725.75	570.46	535.08	35.38	16.124	
4,200.00	3,935.00	4,112.85	3,590.63	28.91	39.56	10.64	141.31	1,783.14	590.97	554.61	36.36	16.253	
4,300.00	4,026.15	4,210.71	3,669.68	29.77	40.83	10.49	147.13	1,840.53	611.49	574.15	37.34	16.375	
4,400.00	4,117.29	4,308.57	3,748.73	30.63	42.10	10.35	152.96	1,897.92	632.01	593.68	38.33	16.490	
4,500.00	4,208.44	4,406.43	3,827.78	31.49	43.38	10.22	158.78	1,955.31	652.54	613.23	39.31	16.600	
4,600.00	4,299.58	4,504.29	3,906.83	32.35	44.65	10.10	164.61	2,012.70	673.07	632.77	40.30	16.703	
4,700.00	4,390.73	4,602.15	3,985.88	33.21	45.92	9.98	170.43	2,070.09	693.60	652.31	41.28	16.801	
4,800.00	4,481.88	4,700.01	4,064.93	34.07	47.20	9.87	176.26	2,127.48	714.13	671.86	42.27	16.895	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-20-07 - 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		
4,900.00	4,573.02	4,797.87	4,143.98	34.93	48.47	9.77	182.08	2,184.87	734.67	691.41	43.26	16.984		
5,000.00	4,664.17	4,895.73	4,223.03	35.79	49.74	9.67	187.91	2,242.26	755.21	710.96	44.25	17.069		
5,100.00	4,755.31	4,993.59	4,302.08	36.65	51.02	9.58	193.73	2,299.65	775.75	730.51	45.23	17.149		
5,200.00	4,846.46	5,091.45	4,381.13	37.51	52.29	9.49	199.56	2,357.04	796.29	750.06	46.22	17.227		
5,300.00	4,937.60	5,189.31	4,460.18	38.37	53.57	9.41	205.38	2,414.43	816.83	769.62	47.21	17.301		
5,400.00	5,028.75	5,287.17	4,539.24	39.23	54.84	9.33	211.21	2,471.82	837.38	789.17	48.20	17.371		
5,500.00	5,119.89	5,385.03	4,618.29	40.09	56.12	9.25	217.03	2,529.22	857.93	808.73	49.20	17.439		
5,600.00	5,211.04	5,482.89	4,697.34	40.96	57.39	9.18	222.86	2,586.61	878.47	828.29	50.19	17.504		
5,700.00	5,302.18	5,580.75	4,776.39	41.82	58.67	9.11	228.68	2,644.00	899.02	847.84	51.18	17.566		
5,800.00	5,393.33	5,678.61	4,855.44	42.68	59.95	9.05	234.51	2,701.39	919.58	867.40	52.17	17.626		
5,900.00	5,484.47	5,776.47	4,934.49	43.54	61.22	8.99	240.33	2,758.78	940.13	886.96	53.16	17.683		
6,000.00	5,575.62	5,874.33	5,013.54	44.40	62.50	8.93	246.16	2,816.17	960.68	906.52	54.16	17.739		
6,100.00	5,666.76	5,972.19	5,092.59	45.26	63.78	8.87	251.98	2,873.56	981.23	926.08	55.15	17.792		
6,175.79	5,735.84	6,046.36	5,152.50	45.92	64.74	8.83	256.40	2,917.06	996.81	940.91	55.90	17.831		
6,200.00	5,757.87	6,070.05	5,171.64	46.13	65.05	13.56	257.81	2,930.95	1,001.80	945.64	56.16	17.839		
6,250.00	5,803.02	6,118.81	5,211.03	46.56	65.69	22.71	260.71	2,959.54	1,012.12	955.36	56.75	17.834		
6,300.00	5,847.42	6,167.04	5,249.99	46.99	66.32	30.68	263.58	2,987.83	1,022.45	965.00	57.45	17.797		
6,350.00	5,890.72	6,214.38	5,288.23	47.41	66.93	37.38	266.40	3,015.59	1,032.82	974.55	58.27	17.724		
6,400.00	5,932.60	6,260.47	5,325.46	47.83	67.54	42.91	269.14	3,042.62	1,043.30	984.06	59.23	17.613		
6,450.00	5,972.74	6,304.95	5,361.39	48.23	68.12	47.46	271.79	3,068.71	1,053.98	993.62	60.36	17.461		
6,500.00	6,010.83	6,347.49	5,395.75	48.61	68.67	51.19	274.32	3,093.65	1,065.01	1,003.33	61.68	17.266		
6,550.00	6,046.58	6,387.77	5,428.29	48.98	69.20	54.24	276.72	3,117.27	1,076.54	1,013.33	63.21	17.030		
6,600.00	6,079.73	6,425.47	5,458.74	49.33	69.69	56.69	278.96	3,139.38	1,088.74	1,023.77	64.97	16.758		
6,650.00	6,110.01	6,460.31	5,486.89	49.67	70.14	58.60	281.04	3,159.82	1,101.77	1,034.82	66.95	16.456		
6,700.00	6,137.21	6,492.03	5,512.51	49.98	70.56	60.00	282.92	3,178.42	1,115.78	1,046.63	69.15	16.135		
6,750.00	6,161.10	6,520.37	5,535.41	50.28	70.93	60.90	284.61	3,195.04	1,130.90	1,059.35	71.55	15.806		
6,800.00	6,181.52	6,545.14	5,555.41	50.55	71.25	61.29	286.09	3,209.57	1,147.25	1,073.13	74.11	15.480		
6,850.00	6,198.29	6,566.14	5,572.37	50.81	71.52	61.18	287.34	3,221.88	1,164.86	1,088.06	76.80	15.168		
6,900.00	6,211.31	6,583.21	5,586.16	51.05	71.75	60.54	288.35	3,231.89	1,183.77	1,104.21	79.56	14.879		
6,950.00	6,220.46	6,596.21	5,596.67	51.27	71.92	59.39	289.13	3,239.52	1,203.95	1,121.59	82.35	14.619		
7,000.00	6,225.68	6,605.06	5,603.81	51.47	72.03	57.71	289.65	3,244.71	1,225.30	1,140.18	85.12	14.395		
7,040.67	6,227.00	6,609.14	5,607.11	51.63	72.09	55.98	289.90	3,247.10	1,243.45	1,156.12	87.33	14.239		
7,100.00	6,227.00	6,613.04	5,610.26	51.85	72.14	56.18	290.13	3,249.39	1,271.48	1,181.04	90.44	14.059		
7,200.00	6,227.00	6,619.62	5,615.57	52.25	72.22	56.52	290.52	3,253.24	1,323.39	1,228.03	95.36	13.877		
7,300.00	6,227.00	7,947.04	6,227.00	52.70	82.80	90.00	1,118.78	3,699.89	1,362.19	1,292.42	69.77	19.523		
7,400.00	6,227.00	8,047.04	6,227.00	53.18	83.06	90.00	1,218.78	3,700.24	1,361.48	1,289.80	71.67	18.996		
7,500.00	6,227.00	8,147.04	6,227.00	53.71	83.34	90.00	1,318.77	3,700.60	1,360.77	1,287.07	73.70	18.465		
7,600.00	6,227.00	8,247.04	6,227.00	54.28	83.63	90.00	1,418.77	3,700.95	1,360.06	1,284.23	75.83	17.936		
7,700.00	6,227.00	8,347.03	6,227.00	54.89	83.95	90.00	1,518.77	3,701.30	1,359.34	1,281.28	78.07	17.413		
7,800.00	6,227.00	8,447.03	6,227.00	55.55	84.28	90.00	1,618.76	3,701.65	1,358.63	1,278.24	80.40	16.899		
7,900.00	6,227.00	8,547.03	6,227.00	56.25	84.63	90.00	1,718.76	3,702.00	1,357.92	1,275.11	82.81	16.398		
8,000.00	6,227.00	8,647.03	6,227.00	56.99	85.01	90.00	1,818.76	3,702.36	1,357.21	1,271.90	85.31	15.910		
8,100.00	6,227.00	8,747.02	6,227.00	57.78	85.41	90.00	1,918.75	3,702.71	1,356.50	1,268.63	87.87	15.437		
8,200.00	6,227.00	8,847.02	6,227.00	58.62	85.82	90.00	2,018.75	3,703.06	1,355.79	1,265.28	90.51	14.980		
8,300.00	6,227.00	8,947.02	6,227.00	59.49	86.26	90.00	2,118.75	3,703.41	1,355.08	1,261.88	93.20	14.540		
8,400.00	6,227.00	9,047.02	6,227.00	60.41	86.73	90.00	2,218.75	3,703.76	1,354.37	1,258.42	95.95	14.116		
8,500.00	6,227.00	9,147.01	6,227.00	61.37	87.22	90.00	2,318.74	3,704.11	1,353.66	1,254.91	98.75	13.709		
8,600.00	6,227.00	9,247.01	6,227.00	62.37	87.73	90.00	2,418.74	3,704.47	1,352.94	1,251.35	101.59	13.318		
8,700.00	6,227.00	9,347.01	6,227.00	63.41	88.27	90.00	2,518.74	3,704.82	1,352.23	1,247.76	104.48	12.943		
8,800.00	6,227.00	9,447.01	6,227.00	64.49	88.83	90.00	2,618.73	3,705.17	1,351.52	1,244.12	107.40	12.583		
8,900.00	6,227.00	9,547.00	6,227.00	65.60	89.42	90.00	2,718.73	3,705.52	1,350.81	1,240.44	110.37	12.239		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-20-07 - 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	
9,000.00	6,227.00	9,647.00	6,227.00	66.74	90.04	90.00	2,818.73	3,705.87	1,350.10	1,236.74	113.36	11.909	
9,100.00	6,227.00	9,747.00	6,227.00	67.92	90.68	90.00	2,918.72	3,706.22	1,349.39	1,233.00	116.39	11.594	
9,200.00	6,227.00	9,847.00	6,227.00	69.13	91.36	90.00	3,018.72	3,706.58	1,348.68	1,229.23	119.45	11.291	
9,300.00	6,227.00	9,946.99	6,227.00	70.37	92.06	90.00	3,118.72	3,706.93	1,347.97	1,225.44	122.53	11.001	
9,400.00	6,227.00	10,046.99	6,227.00	71.63	92.79	90.00	3,218.71	3,707.28	1,347.26	1,221.62	125.63	10.724	
9,500.00	6,227.00	10,146.99	6,227.00	72.92	93.55	90.00	3,318.71	3,707.63	1,346.54	1,217.78	128.76	10.458	
9,600.00	6,227.00	10,246.99	6,227.00	74.23	94.33	90.00	3,418.71	3,707.98	1,345.83	1,213.92	131.91	10.203	
9,700.00	6,227.00	10,346.98	6,227.00	75.57	95.15	90.00	3,518.70	3,708.34	1,345.12	1,210.04	135.08	9.958	
9,800.00	6,227.00	10,446.98	6,227.00	76.93	95.99	90.00	3,618.70	3,708.69	1,344.41	1,206.15	138.27	9.723	
9,900.00	6,227.00	10,546.98	6,227.00	78.31	96.87	90.00	3,718.70	3,709.04	1,343.70	1,202.23	141.47	9.498	
10,000.00	6,227.00	10,646.98	6,227.00	79.71	97.77	90.00	3,818.69	3,709.39	1,342.99	1,198.30	144.69	9.282	
10,100.00	6,227.00	10,746.97	6,227.00	81.12	98.70	90.00	3,918.69	3,709.74	1,342.28	1,194.35	147.92	9.074	
10,200.00	6,227.00	10,846.97	6,227.00	82.55	99.66	90.00	4,018.69	3,710.09	1,341.57	1,190.39	151.17	8.874	
10,300.00	6,227.00	10,946.97	6,227.00	84.00	100.64	90.00	4,118.69	3,710.45	1,340.86	1,186.42	154.43	8.682	
10,400.00	6,227.00	11,046.97	6,227.00	85.46	101.66	90.00	4,218.68	3,710.80	1,340.14	1,182.44	157.71	8.498	
10,500.00	6,227.00	11,146.96	6,227.00	86.94	102.69	90.00	4,318.68	3,711.15	1,339.43	1,178.44	160.99	8.320	
10,600.00	6,227.00	11,246.96	6,227.00	88.43	103.76	90.00	4,418.68	3,711.50	1,338.72	1,174.43	164.29	8.149	
10,700.00	6,227.00	11,346.96	6,227.00	89.93	104.85	90.00	4,518.67	3,711.85	1,338.01	1,170.42	167.59	7.984	
10,800.00	6,227.00	11,446.96	6,227.00	91.44	105.96	90.00	4,618.67	3,712.21	1,337.30	1,166.39	170.91	7.825	
10,900.00	6,227.00	11,546.95	6,227.00	92.96	107.10	90.00	4,718.67	3,712.56	1,336.59	1,162.36	174.23	7.671	
11,000.00	6,227.00	11,646.95	6,227.00	94.50	108.27	90.00	4,818.66	3,712.91	1,335.88	1,158.31	177.57	7.523	
11,100.00	6,227.00	11,746.95	6,227.00	96.04	109.45	90.00	4,918.66	3,713.26	1,335.17	1,154.26	180.91	7.380	
11,200.00	6,227.00	11,846.95	6,227.00	97.59	110.66	90.00	5,018.66	3,713.61	1,334.46	1,150.20	184.26	7.242	
11,300.00	6,227.00	11,946.94	6,227.00	99.15	111.88	90.00	5,118.65	3,713.96	1,333.75	1,146.13	187.61	7.109	
11,400.00	6,227.00	12,046.94	6,227.00	100.72	113.13	90.00	5,218.65	3,714.32	1,333.03	1,142.06	190.97	6.980	
11,500.00	6,227.00	12,146.94	6,227.00	102.30	114.40	90.00	5,318.65	3,714.67	1,332.32	1,137.98	194.34	6.856	
11,600.00	6,227.00	12,246.94	6,227.00	103.88	115.68	90.00	5,418.64	3,715.02	1,331.61	1,133.89	197.72	6.735	
11,700.00	6,227.00	12,346.93	6,227.00	105.47	116.99	90.00	5,518.64	3,715.37	1,330.90	1,129.80	201.10	6.618	
11,743.45	6,227.00	12,390.38	6,227.00	106.17	117.56	90.00	5,562.09	3,715.52	1,330.59	1,128.02	202.57	6.569	
11,763.80	6,227.00	12,410.73	6,227.00	106.49	117.83	90.00	5,582.44	3,715.60	1,330.52	1,127.26	203.26	6.546	
11,808.25	6,227.00	12,455.18	6,227.00	107.20	118.42	90.00	5,626.89	3,715.75	1,330.86	1,126.10	204.76	6.499	
11,900.00	6,227.00	12,546.92	6,227.00	108.66	119.64	90.00	5,718.63	3,716.08	1,332.29	1,124.41	207.88	6.409	
12,000.00	6,227.00	12,646.91	6,227.00	110.26	121.00	90.00	5,818.61	3,716.43	1,333.84	1,122.56	211.28	6.313	
12,100.00	6,227.00	12,746.89	6,227.00	111.86	122.37	90.00	5,918.60	3,716.78	1,335.39	1,120.70	214.68	6.220	
12,200.00	6,227.00	12,846.88	6,227.00	113.47	123.75	90.00	6,018.59	3,717.13	1,336.94	1,118.84	218.09	6.130	
12,300.00	6,227.00	12,946.87	6,227.00	115.08	125.14	90.00	6,118.58	3,717.48	1,338.49	1,116.98	221.51	6.043	
12,400.00	6,227.00	13,046.86	6,227.00	116.70	126.55	90.00	6,218.56	3,717.83	1,340.04	1,115.11	224.93	5.958	
12,500.00	6,227.00	13,146.85	6,227.00	118.33	127.98	90.00	6,318.55	3,718.19	1,341.59	1,113.24	228.35	5.875	
12,600.00	6,227.00	13,246.83	6,227.00	119.96	129.41	90.00	6,418.54	3,718.54	1,343.14	1,111.37	231.77	5.795	
12,700.00	6,227.00	13,346.82	6,227.00	121.60	130.86	90.00	6,518.53	3,718.89	1,344.69	1,109.49	235.20	5.717	
12,800.00	6,227.00	13,446.81	6,227.00	123.24	132.31	90.00	6,618.51	3,719.24	1,346.24	1,107.60	238.64	5.641	
12,900.00	6,227.00	13,546.80	6,227.00	124.88	133.78	90.00	6,718.50	3,719.59	1,347.79	1,105.72	242.07	5.568	
13,000.00	6,227.00	13,646.79	6,227.00	126.53	135.26	90.00	6,818.49	3,719.94	1,349.34	1,103.83	245.52	5.496	
13,100.00	6,227.00	13,746.77	6,227.00	128.18	136.75	90.00	6,918.47	3,720.30	1,350.90	1,101.94	248.96	5.426	
13,200.00	6,227.00	13,846.76	6,227.00	129.84	138.24	90.00	7,018.46	3,720.65	1,352.45	1,100.04	252.40	5.358	
13,300.00	6,227.00	13,946.75	6,227.00	131.50	139.75	90.00	7,118.45	3,721.00	1,354.00	1,098.14	255.85	5.292	
13,400.00	6,227.00	14,046.74	6,227.00	133.16	141.26	90.00	7,218.44	3,721.35	1,355.55	1,096.24	259.31	5.228	
13,500.00	6,227.00	14,146.73	6,227.00	134.83	142.79	90.00	7,318.42	3,721.70	1,357.10	1,094.34	262.76	5.165	
13,600.00	6,227.00	14,246.71	6,227.00	136.50	144.32	90.00	7,418.41	3,722.05	1,358.65	1,092.43	266.22	5.104	
13,700.00	6,227.00	14,346.70	6,227.00	138.17	145.86	90.00	7,518.40	3,722.41	1,360.20	1,090.52	269.68	5.044	
13,800.00	6,227.00	14,446.69	6,227.00	139.85	147.40	90.00	7,618.39	3,722.76	1,361.75	1,088.61	273.14	4.986	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-20-07 - 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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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
13,900.00	6,227.00	14,546.68	6,227.00	141.53	148.95	90.00	7,718.37	3,723.11	1,363.30	1,086.70	276.60	4.929	
14,000.00	6,227.00	14,646.67	6,227.00	143.21	150.51	90.00	7,818.36	3,723.46	1,364.85	1,084.78	280.07	4.873	
14,100.00	6,227.00	14,746.65	6,227.00	144.89	152.08	90.00	7,918.35	3,723.81	1,366.40	1,082.87	283.54	4.819	
14,200.00	6,227.00	14,846.64	6,227.00	146.58	153.65	90.00	8,018.34	3,724.17	1,367.95	1,080.95	287.01	4.766	
14,300.00	6,227.00	14,946.63	6,227.00	148.26	155.22	90.00	8,118.32	3,724.52	1,369.50	1,079.02	290.48	4.715	
14,400.00	6,227.00	15,046.62	6,227.00	149.96	156.81	90.00	8,218.31	3,724.87	1,371.05	1,077.10	293.95	4.664	
14,500.00	6,227.00	15,146.61	6,227.00	151.65	158.39	90.00	8,318.30	3,725.22	1,372.61	1,075.18	297.43	4.615	
14,600.00	6,227.00	15,246.59	6,227.00	153.34	159.99	90.00	8,418.28	3,725.57	1,374.16	1,073.25	300.91	4.567	
14,700.00	6,227.00	15,346.58	6,227.00	155.04	161.59	90.00	8,518.27	3,725.92	1,375.71	1,071.32	304.39	4.520	
14,800.00	6,227.00	15,446.57	6,227.00	156.74	163.19	90.00	8,618.26	3,726.28	1,377.26	1,069.39	307.87	4.474	
14,900.00	6,227.00	15,546.56	6,227.00	158.44	164.79	90.00	8,718.25	3,726.63	1,378.81	1,067.46	311.35	4.428	
15,000.00	6,227.00	15,646.55	6,227.00	160.14	166.41	90.00	8,818.23	3,726.98	1,380.36	1,065.52	314.84	4.384	
15,100.00	6,227.00	15,746.53	6,227.00	161.85	168.02	90.00	8,918.22	3,727.33	1,381.91	1,063.59	318.32	4.341	
15,200.00	6,227.00	15,846.52	6,227.00	163.56	169.64	90.00	9,018.21	3,727.68	1,383.46	1,061.65	321.81	4.299	
15,300.00	6,227.00	15,946.51	6,227.00	165.26	171.27	90.00	9,118.20	3,728.03	1,385.01	1,059.71	325.30	4.258	
15,400.00	6,227.00	16,046.50	6,227.00	166.97	172.89	90.00	9,218.18	3,728.39	1,386.56	1,057.77	328.79	4.217	
15,500.00	6,227.00	16,146.49	6,227.00	168.68	174.52	90.00	9,318.17	3,728.74	1,388.11	1,055.83	332.28	4.178	
15,600.00	6,227.00	16,246.47	6,227.00	170.40	176.16	90.00	9,418.16	3,729.09	1,389.66	1,053.89	335.77	4.139	
15,700.00	6,227.00	16,346.46	6,227.00	172.11	177.80	90.00	9,518.15	3,729.44	1,391.21	1,051.95	339.26	4.101	
15,800.00	6,227.00	16,446.45	6,227.00	173.83	179.44	90.00	9,618.13	3,729.79	1,392.76	1,050.00	342.76	4.063	
15,900.00	6,227.00	16,546.44	6,227.00	175.54	181.08	90.00	9,718.12	3,730.15	1,394.32	1,048.06	346.26	4.027	
16,000.00	6,227.00	16,646.43	6,227.00	177.26	182.73	90.00	9,818.11	3,730.50	1,395.87	1,046.11	349.75	3.991	
16,100.00	6,227.00	16,746.41	6,227.00	178.98	184.38	90.00	9,918.10	3,730.85	1,397.42	1,044.17	353.25	3.956	
16,200.00	6,227.00	16,846.40	6,227.00	180.70	186.03	90.00	10,018.08	3,731.20	1,398.97	1,042.22	356.75	3.921	
16,300.00	6,227.00	16,946.39	6,227.00	182.42	187.69	90.00	10,118.07	3,731.55	1,400.52	1,040.27	360.25	3.888	
16,400.00	6,227.00	17,046.38	6,227.00	184.15	189.35	90.00	10,218.06	3,731.90	1,402.07	1,038.32	363.75	3.854	
16,500.00	6,227.00	17,146.37	6,227.00	185.87	191.01	90.00	10,318.04	3,732.26	1,403.62	1,036.37	367.25	3.822	
16,600.00	6,227.00	17,246.35	6,227.00	187.60	192.67	90.00	10,418.03	3,732.61	1,405.17	1,034.41	370.76	3.790	
16,700.00	6,227.00	17,346.34	6,227.00	189.32	194.34	90.00	10,518.02	3,732.96	1,406.72	1,032.46	374.26	3.759	
16,800.00	6,227.00	17,348.07	6,227.00	191.05	194.37	90.00	10,519.74	3,732.97	1,411.70	1,031.04	380.66	3.709	
16,900.00	6,227.00	17,348.07	6,227.00	192.78	194.37	90.00	10,519.74	3,732.97	1,423.69	1,038.37	385.32	3.695 SF	
17,000.00	6,227.00	17,348.07	6,227.00	194.51	194.37	90.00	10,519.74	3,732.97	1,442.54	1,054.33	388.21	3.716	
17,100.00	6,227.00	17,348.07	6,227.00	196.24	194.37	90.00	10,519.74	3,732.97	1,467.97	1,078.58	389.40	3.770	
17,200.00	6,227.00	17,348.07	6,227.00	197.97	194.37	90.00	10,519.74	3,732.97	1,499.65	1,110.61	389.04	3.855	
17,300.00	6,227.00	17,348.07	6,227.00	199.70	194.37	90.00	10,519.74	3,732.97	1,537.20	1,149.86	387.33	3.969	
17,400.00	6,227.00	17,348.07	6,227.00	201.44	194.37	90.00	10,519.74	3,732.97	1,580.19	1,195.70	384.49	4.110	
17,500.00	6,227.00	17,348.07	6,227.00	203.17	194.37	90.00	10,519.74	3,732.97	1,628.19	1,247.48	380.71	4.277	
17,600.00	6,227.00	17,348.07	6,227.00	204.90	194.37	90.00	10,519.74	3,732.97	1,680.78	1,304.57	376.21	4.468	
17,700.00	6,227.00	17,348.07	6,227.00	206.64	194.37	90.00	10,519.74	3,732.97	1,737.54	1,366.37	371.17	4.681	
17,800.00	6,227.00	17,348.07	6,227.00	208.38	194.37	90.00	10,519.74	3,732.97	1,798.07	1,432.32	365.75	4.916	
17,900.00	6,227.00	17,348.07	6,227.00	210.11	194.37	90.00	10,519.74	3,732.97	1,862.01	1,501.91	360.10	5.171	
18,000.00	6,227.00	17,348.07	6,227.00	211.85	194.37	90.00	10,519.74	3,732.97	1,929.02	1,574.70	354.32	5.444	
18,100.00	6,227.00	17,348.07	6,227.00	213.59	194.37	90.00	10,519.74	3,732.97	1,998.78	1,650.28	348.50	5.735	
18,200.00	6,227.00	17,348.07	6,227.00	215.33	194.37	90.00	10,519.74	3,732.97	2,071.02	1,728.31	342.72	6.043	
18,300.00	6,227.00	17,348.07	6,227.00	217.07	194.37	90.00	10,519.74	3,732.97	2,145.50	1,808.48	337.02	6.366	
18,400.00	6,227.00	17,348.07	6,227.00	218.81	194.37	90.00	10,519.74	3,732.97	2,221.97	1,890.53	331.45	6.704	
18,500.00	6,227.00	17,348.07	6,227.00	220.55	194.37	90.00	10,519.74	3,732.97	2,300.26	1,974.23	326.03	7.055	
18,600.00	6,227.00	17,348.07	6,227.00	222.29	194.37	90.00	10,519.74	3,732.97	2,380.17	2,059.38	320.79	7.420	
18,700.00	6,227.00	17,348.07	6,227.00	224.03	194.37	90.00	10,519.74	3,732.97	2,461.55	2,145.81	315.73	7.796	
18,800.00	6,227.00	17,348.07	6,227.00	225.78	194.37	90.00	10,519.74	3,732.97	2,544.26	2,233.39	310.87	8.184	
18,900.00	6,227.00	17,348.07	6,227.00	227.52	194.37	90.00	10,519.74	3,732.97	2,628.17	2,321.96	306.20	8.583	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-20-07 - 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	
19,000.00	6,227.00	17,348.07	6,227.00	229.26	194.37	90.00	10,519.74	3,732.97	2,713.17	2,411.44	301.73	8.992	
19,100.00	6,227.00	17,348.07	6,227.00	231.01	194.37	90.00	10,519.74	3,732.97	2,799.16	2,501.72	297.44	9.411	
19,200.00	6,227.00	17,348.07	6,227.00	232.75	194.37	90.00	10,519.74	3,732.97	2,886.06	2,592.71	293.35	9.838	
19,300.00	6,227.00	17,348.07	6,227.00	234.50	194.37	90.00	10,519.74	3,732.97	2,973.77	2,684.34	289.43	10.275	
19,400.00	6,227.00	17,348.07	6,227.00	236.25	194.37	90.00	10,519.74	3,732.97	3,062.25	2,776.56	285.69	10.719	
19,500.00	6,227.00	17,348.07	6,227.00	237.99	194.37	90.00	10,519.74	3,732.97	3,151.41	2,869.29	282.12	11.171	
19,600.00	6,227.00	17,348.07	6,227.00	239.74	194.37	90.00	10,519.74	3,732.97	3,241.20	2,962.50	278.70	11.630	
19,700.00	6,227.00	17,348.07	6,227.00	241.49	194.37	90.00	10,519.74	3,732.97	3,331.58	3,056.14	275.44	12.096	
19,800.00	6,227.00	17,348.07	6,227.00	243.24	194.37	90.00	10,519.74	3,732.97	3,422.49	3,150.17	272.32	12.568	
19,900.00	6,227.00	17,348.07	6,227.00	244.98	194.37	90.00	10,519.74	3,732.97	3,513.89	3,244.55	269.34	13.046	
20,000.00	6,227.00	17,348.07	6,227.00	246.73	194.37	90.00	10,519.74	3,732.97	3,605.75	3,339.26	266.49	13.531	
20,100.00	6,227.00	17,348.07	6,227.00	248.48	194.37	90.00	10,519.74	3,732.97	3,698.04	3,434.27	263.76	14.020	
20,200.00	6,227.00	17,348.07	6,227.00	250.23	194.37	90.00	10,519.74	3,732.97	3,790.71	3,529.56	261.16	14.515	
20,300.00	6,227.00	17,348.07	6,227.00	251.98	194.37	90.00	10,519.74	3,732.97	3,883.75	3,625.09	258.66	15.015	
20,400.00	6,227.00	17,348.07	6,227.00	253.73	194.37	90.00	10,519.74	3,732.97	3,977.13	3,720.86	256.27	15.519	
20,500.00	6,227.00	17,348.07	6,227.00	255.49	194.37	90.00	10,519.74	3,732.97	4,070.82	3,816.84	253.98	16.028	
20,600.00	6,227.00	17,348.07	6,227.00	257.24	194.37	90.00	10,519.74	3,732.97	4,164.80	3,913.02	251.78	16.541	
20,700.00	6,227.00	17,348.07	6,227.00	258.99	194.37	90.00	10,519.74	3,732.97	4,259.06	4,009.38	249.68	17.058	
20,800.00	6,227.00	17,348.07	6,227.00	260.74	194.37	90.00	10,519.74	3,732.97	4,353.57	4,105.92	247.65	17.579	
20,900.00	6,227.00	17,348.07	6,227.00	262.49	194.37	90.00	10,519.74	3,732.97	4,448.33	4,202.61	245.71	18.104	
21,000.00	6,227.00	17,348.07	6,227.00	264.25	194.37	90.00	10,519.74	3,732.97	4,543.31	4,299.46	243.85	18.632	
21,100.00	6,227.00	17,348.07	6,227.00	266.00	194.37	90.00	10,519.74	3,732.97	4,638.50	4,396.44	242.06	19.163	
21,200.00	6,227.00	17,348.07	6,227.00	267.75	194.37	90.00	10,519.74	3,732.97	4,733.89	4,493.55	240.34	19.697	
21,300.00	6,227.00	17,348.07	6,227.00	269.51	194.37	90.00	10,519.74	3,732.97	4,829.46	4,590.78	238.68	20.234	
21,400.00	6,227.00	17,348.07	6,227.00	271.26	194.37	90.00	10,519.74	3,732.97	4,925.21	4,688.13	237.09	20.774	
21,500.00	6,227.00	17,348.07	6,227.00	273.02	194.37	90.00	10,519.74	3,732.97	5,021.13	4,785.58	235.55	21.317	
21,600.00	6,227.00	17,348.07	6,227.00	274.77	194.37	90.00	10,519.74	3,732.97	5,117.20	4,883.13	234.07	21.862	
21,700.00	6,227.00	17,348.07	6,227.00	276.53	194.37	90.00	10,519.74	3,732.97	5,213.42	4,980.77	232.65	22.409	
21,800.00	6,227.00	17,348.07	6,227.00	278.28	194.37	90.00	10,519.74	3,732.97	5,309.78	5,078.51	231.27	22.959	
21,900.00	6,227.00	17,348.07	6,227.00	280.04	194.37	90.00	10,519.74	3,732.97	5,406.27	5,176.33	229.95	23.511	
22,000.00	6,227.00	17,348.07	6,227.00	281.80	194.37	90.00	10,519.74	3,732.97	5,502.89	5,274.22	228.67	24.065	
22,085.16	6,227.00	17,348.07	6,227.00	283.29	194.37	90.00	10,519.74	3,732.97	5,585.26	5,357.65	227.61	24.538	

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-179.73	-59.74	-0.28	59.74				
100.00	100.00	100.00	100.00	0.27	0.27	-179.73	-59.74	-0.28	59.74	59.21	0.54	111.107	
200.00	200.00	200.16	200.14	0.63	0.62	178.59	-59.58	1.46	59.60	58.35	1.25	47.662	
282.75	282.75	282.88	282.75	0.92	0.92	174.66	-59.20	5.53	59.46	57.61	1.84	32.229 CC	
300.00	300.00	300.08	299.92	0.99	0.99	173.56	-59.09	6.68	59.47	57.50	1.97	30.209 ES	
400.00	400.00	399.52	398.97	1.34	1.36	165.30	-58.29	15.30	60.27	57.57	2.70	22.327	
500.00	499.98	498.45	497.17	1.70	1.75	73.90	-57.17	27.27	62.90	59.46	3.44	18.303	
600.00	599.84	597.03	594.54	2.05	2.16	65.57	-55.74	42.54	67.18	63.00	4.18	16.070	
700.00	699.45	695.27	691.00	2.41	2.61	58.47	-54.01	61.08	72.81	67.87	4.94	14.748	
800.00	798.70	793.16	786.42	2.79	3.09	52.56	-51.98	82.81	79.47	73.77	5.70	13.933	
900.00	897.47	890.72	880.72	3.19	3.61	47.70	-49.66	107.69	86.90	80.42	6.48	13.407	
1,000.00	995.62	987.95	973.80	3.62	4.18	43.72	-47.04	135.64	94.88	87.61	7.27	13.053	
1,100.00	1,093.06	1,084.85	1,065.57	4.09	4.79	40.47	-44.15	166.62	103.26	95.19	8.07	12.788	
1,200.00	1,189.64	1,181.44	1,155.94	4.59	5.45	37.80	-40.98	200.55	111.92	103.02	8.90	12.580	
1,300.00	1,285.27	1,277.71	1,244.82	5.14	6.17	35.60	-37.54	237.38	120.76	111.02	9.74	12.402	
1,400.00	1,379.82	1,373.68	1,332.13	5.74	6.95	33.79	-33.84	277.02	129.71	119.11	10.60	12.235	
1,500.00	1,473.17	1,469.36	1,417.80	6.40	7.78	32.28	-29.87	319.42	138.72	127.23	11.49	12.072	
1,600.00	1,565.21	1,564.74	1,501.75	7.12	8.68	31.03	-25.66	364.50	147.75	135.34	12.41	11.906	
1,614.66	1,578.59	1,578.70	1,513.91	7.23	8.81	30.86	-25.02	371.33	149.07	136.53	12.55	11.883	
1,700.00	1,656.38	1,659.71	1,583.79	7.88	9.63	29.85	-21.21	412.13	157.85	144.52	13.33	11.838	
1,800.00	1,747.52	1,753.92	1,663.56	8.67	10.65	28.36	-16.55	462.02	170.93	156.71	14.22	12.024	
1,900.00	1,838.67	1,847.18	1,740.87	9.47	11.72	26.69	-11.70	513.96	187.06	172.01	15.05	12.432	
2,000.00	1,929.81	1,939.31	1,815.53	10.28	12.84	24.96	-6.68	567.70	206.27	190.44	15.83	13.031	
2,100.00	2,020.96	2,030.15	1,887.40	11.10	14.01	23.27	-1.51	623.00	228.57	212.00	16.57	13.796	
2,200.00	2,112.10	2,120.13	1,958.83	11.92	15.23	21.65	3.81	679.98	253.93	236.64	17.29	14.690	
2,300.00	2,203.25	2,216.25	2,030.19	12.75	16.58	20.15	9.59	741.81	280.67	262.49	18.18	15.441	
2,400.00	2,294.39	2,312.36	2,103.55	13.59	17.93	18.91	15.37	803.65	307.56	288.48	19.08	16.117	
2,500.00	2,385.54	2,408.48	2,176.91	14.43	19.30	17.87	21.14	865.48	334.57	314.57	20.00	16.726	
2,600.00	2,476.68	2,504.60	2,250.27	15.27	20.67	16.98	26.92	927.32	361.67	340.73	20.93	17.277	
2,700.00	2,567.83	2,600.72	2,323.63	16.11	22.04	16.21	32.70	989.16	388.83	366.96	21.87	17.777	
2,800.00	2,658.97	2,696.84	2,397.00	16.96	23.42	15.55	38.48	1,050.99	416.05	393.23	22.82	18.232	
2,900.00	2,750.12	2,792.96	2,470.36	17.80	24.81	14.97	44.25	1,112.83	443.32	419.54	23.77	18.648	
3,000.00	2,841.26	2,889.08	2,543.72	18.65	26.20	14.45	50.03	1,174.66	470.62	445.89	24.73	19.029	
3,100.00	2,932.41	2,985.20	2,617.08	19.50	27.59	13.99	55.81	1,236.50	497.95	472.26	25.70	19.379	
3,200.00	3,023.55	3,081.32	2,690.44	20.35	28.98	13.58	61.58	1,298.33	525.31	498.65	26.66	19.702	
3,300.00	3,114.70	3,177.44	2,763.80	21.21	30.38	13.21	67.36	1,360.17	552.70	525.06	27.63	20.000	
3,400.00	3,205.84	3,273.56	2,837.16	22.06	31.78	12.88	73.14	1,422.01	580.10	551.49	28.61	20.277	
3,500.00	3,296.99	3,369.68	2,910.52	22.92	33.17	12.57	78.92	1,483.84	607.52	577.93	29.59	20.533	
3,600.00	3,388.13	3,465.80	2,983.89	23.77	34.57	12.29	84.69	1,545.68	634.96	604.39	30.57	20.773	
3,700.00	3,479.28	3,561.91	3,057.25	24.63	35.98	12.04	90.47	1,607.51	662.40	630.85	31.55	20.996	
3,800.00	3,570.42	3,658.03	3,130.61	25.48	37.38	11.80	96.25	1,669.35	689.86	657.33	32.53	21.204	
3,900.00	3,661.57	3,754.15	3,203.97	26.34	38.78	11.58	102.03	1,731.19	717.33	683.81	33.52	21.400	
4,000.00	3,752.71	3,850.27	3,277.33	27.20	40.19	11.38	107.80	1,793.02	744.81	710.30	34.51	21.583	
4,100.00	3,843.86	3,946.39	3,350.69	28.05	41.59	11.19	113.58	1,854.86	772.29	736.79	35.50	21.755	
4,200.00	3,935.00	4,042.51	3,424.05	28.91	43.00	11.02	119.36	1,916.69	799.78	763.29	36.49	21.918	
4,300.00	4,026.15	4,138.63	3,497.41	29.77	44.40	10.86	125.13	1,978.53	827.28	789.80	37.48	22.071	
4,400.00	4,117.29	4,234.75	3,570.77	30.63	45.81	10.71	130.91	2,040.36	854.79	816.31	38.48	22.216	
4,500.00	4,208.44	4,330.87	3,644.14	31.49	47.22	10.56	136.69	2,102.20	882.30	842.82	39.47	22.353	
4,600.00	4,299.58	4,426.99	3,717.50	32.35	48.62	10.43	142.47	2,164.04	909.81	869.34	40.47	22.483	
4,700.00	4,390.73	4,523.11	3,790.86	33.21	50.03	10.30	148.24	2,225.87	937.33	895.86	41.46	22.606	
4,800.00	4,481.88	4,619.23	3,864.22	34.07	51.44	10.18	154.02	2,287.71	964.85	922.39	42.46	22.723	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-20-08 - 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	
4,900.00	4,573.02	4,715.34	3,937.58	34.93	52.85	10.07	159.80	2,349.54	992.38	948.92	43.46	22.834	
5,000.00	4,664.17	4,811.46	4,010.94	35.79	54.26	9.97	165.57	2,411.38	1,019.91	975.45	44.46	22.940	
5,100.00	4,755.31	4,907.58	4,084.30	36.65	55.67	9.86	171.35	2,473.21	1,047.44	1,001.98	45.46	23.041	
5,200.00	4,846.46	5,003.70	4,157.66	37.51	57.08	9.77	177.13	2,535.05	1,074.97	1,028.52	46.46	23.138	
5,300.00	4,937.60	5,099.82	4,231.02	38.37	58.49	9.68	182.91	2,596.89	1,102.51	1,055.05	47.46	23.230	
5,400.00	5,028.75	5,195.94	4,304.39	39.23	59.90	9.59	188.68	2,658.72	1,130.05	1,081.59	48.46	23.318	
5,500.00	5,119.89	5,292.06	4,377.75	40.09	61.31	9.51	194.46	2,720.56	1,157.60	1,108.13	49.47	23.402	
5,600.00	5,211.04	5,388.18	4,451.11	40.96	62.72	9.43	200.24	2,782.39	1,185.14	1,134.67	50.47	23.483	
5,700.00	5,302.18	5,484.30	4,524.47	41.82	64.13	9.36	206.01	2,844.23	1,212.69	1,161.22	51.47	23.560	
5,800.00	5,393.33	5,580.42	4,597.83	42.68	65.54	9.28	211.79	2,906.07	1,240.24	1,187.76	52.48	23.634	
5,900.00	5,484.47	5,676.54	4,671.19	43.54	66.95	9.22	217.57	2,967.90	1,267.79	1,214.31	53.48	23.706	
6,000.00	5,575.62	5,772.66	4,744.55	44.40	68.37	9.15	223.35	3,029.74	1,295.34	1,240.85	54.49	23.774	
6,100.00	5,666.76	5,868.78	4,817.91	45.26	69.78	9.09	229.12	3,091.57	1,322.89	1,267.40	55.49	23.840	
6,175.79	5,735.84	5,941.63	4,873.52	45.92	70.85	9.04	233.50	3,138.44	1,343.78	1,287.52	56.25	23.888	
6,200.00	5,757.87	5,964.89	4,891.27	46.13	71.19	13.58	234.90	3,153.41	1,350.46	1,293.95	56.51	23.899	
6,250.00	5,803.02	6,012.79	4,927.83	46.56	71.89	22.28	237.78	3,184.22	1,364.27	1,307.18	57.09	23.896	
6,300.00	5,847.42	6,060.19	4,964.01	46.99	72.59	29.76	240.63	3,214.71	1,378.06	1,320.30	57.76	23.856	
6,350.00	5,890.72	6,106.72	4,999.52	47.41	73.27	35.91	243.43	3,244.65	1,391.79	1,333.26	58.53	23.778	
6,400.00	5,932.60	6,152.02	5,034.10	47.83	73.94	40.88	246.15	3,273.79	1,405.46	1,346.05	59.41	23.657	
6,450.00	5,972.74	6,195.77	5,067.48	48.23	74.58	44.84	248.78	3,301.93	1,419.11	1,358.70	60.41	23.491	
6,500.00	6,010.83	6,237.61	5,099.42	48.61	75.20	48.00	251.29	3,328.85	1,432.79	1,371.24	61.55	23.279	
6,550.00	6,046.58	6,277.23	5,129.66	48.98	75.78	50.49	253.67	3,354.34	1,446.58	1,383.74	62.84	23.019	
6,600.00	6,079.73	6,314.34	5,157.98	49.33	76.32	52.42	255.90	3,378.21	1,460.56	1,396.26	64.30	22.715	
6,650.00	6,110.01	6,348.64	5,184.16	49.67	76.83	53.87	257.97	3,400.28	1,474.82	1,408.89	65.92	22.371	
6,700.00	6,137.21	6,379.89	5,208.01	49.98	77.29	54.88	259.84	3,420.38	1,489.45	1,421.73	67.72	21.995	
6,750.00	6,161.10	6,407.83	5,229.33	50.28	77.70	55.49	261.52	3,438.36	1,504.53	1,434.85	69.67	21.594	
6,800.00	6,181.52	6,432.26	5,247.98	50.55	78.06	55.70	262.99	3,454.07	1,520.11	1,448.34	71.77	21.180	
6,850.00	6,198.29	6,452.99	5,263.80	50.81	78.36	55.52	264.24	3,467.41	1,536.24	1,462.25	73.99	20.763	
6,900.00	6,211.31	6,469.86	5,276.68	51.05	78.61	54.97	265.25	3,478.27	1,552.93	1,476.63	76.31	20.351	
6,950.00	6,220.46	6,482.75	5,286.52	51.27	78.80	54.03	266.03	3,486.56	1,570.17	1,491.48	78.69	19.955	
7,000.00	6,225.68	6,491.55	5,293.24	51.47	78.93	52.73	266.56	3,492.22	1,587.89	1,506.80	81.10	19.580	
7,040.67	6,227.00	6,495.66	5,296.37	51.63	78.99	51.41	266.80	3,494.86	1,602.63	1,519.57	83.06	19.295	
7,100.00	6,227.00	6,499.63	5,299.40	51.85	79.05	51.56	267.04	3,497.42	1,625.22	1,539.32	85.90	18.921	
7,200.00	6,227.00	6,506.32	5,304.51	52.25	79.14	51.82	267.44	3,501.72	1,667.37	1,576.79	90.58	18.408	
7,300.00	6,227.00	6,513.02	5,309.62	52.70	79.24	52.07	267.85	3,506.03	1,714.30	1,619.23	95.07	18.033	
7,400.00	6,227.00	6,519.71	5,314.73	53.18	79.34	52.33	268.25	3,510.34	1,765.62	1,666.32	99.30	17.781	
7,500.00	6,227.00	6,526.41	5,319.84	53.71	79.44	52.59	268.65	3,514.64	1,820.97	1,717.72	103.25	17.636	
7,600.00	6,227.00	6,533.10	5,324.95	54.28	79.54	52.84	269.05	3,518.95	1,879.99	1,773.08	106.91	17.584	
7,700.00	6,227.00	6,539.79	5,330.06	54.89	79.64	53.09	269.45	3,523.26	1,939.01	1,828.10	110.66	17.532	
7,800.00	6,227.00	6,546.48	5,335.17	55.55	79.74	53.34	269.85	3,527.57	1,998.03	1,877.12	114.41	17.480	
7,900.00	6,227.00	6,553.17	5,340.28	56.25	79.83	53.59	270.25	3,531.88	2,057.05	1,926.14	118.16	17.428	
8,000.00	6,227.00	6,559.86	5,345.39	56.99	79.93	53.84	270.65	3,536.19	2,116.07	1,975.16	121.91	17.376	
8,100.00	6,227.00	6,566.55	5,350.50	57.78	80.03	54.09	271.05	3,540.50	2,175.09	2,024.18	125.66	17.324	
8,200.00	6,227.00	6,573.24	5,355.61	58.62	80.13	54.34	271.45	3,544.81	2,234.11	2,073.20	129.41	17.272	
8,300.00	6,227.00	6,579.93	5,360.72	59.49	80.23	54.59	271.85	3,549.12	2,294.13	2,122.22	133.16	17.220	
8,400.00	6,227.00	6,586.62	5,365.83	60.41	80.33	54.84	272.25	3,553.43	2,354.15	2,171.24	136.91	17.168	
8,500.00	6,227.00	6,593.31	5,370.94	61.37	80.43	55.09	272.65	3,557.74	2,414.17	2,220.26	140.66	17.116	
8,600.00	6,227.00	6,599.99	5,376.05	62.37	80.53	55.34	273.05	3,562.05	2,474.19	2,269.28	144.41	17.064	
8,700.00	6,227.00	6,606.68	5,381.16	63.41	80.63	55.59	273.45	3,566.36	2,534.21	2,318.30	148.16	17.012	
8,800.00	6,227.00	6,613.37	5,386.27	64.49	80.73	55.84	273.85	3,570.67	2,594.23	2,367.32	151.91	16.960	
8,900.00	6,227.00	6,619.99	5,391.38	65.60	80.83	56.09	274.25	3,574.98	2,654.25	2,416.34	155.66	16.908	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-20-08 - 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		
9,000.00	6,227.00	9,979.32	6,227.00	66.74	102.97	90.00	2,816.72	4,287.95	1,932.18	1,817.67	114.51	16.873		
9,100.00	6,227.00	10,079.32	6,227.00	67.92	103.47	90.00	2,916.71	4,288.30	1,931.47	1,813.95	117.51	16.436		
9,200.00	6,227.00	10,179.32	6,227.00	69.13	103.99	90.00	3,016.71	4,288.65	1,930.75	1,810.21	120.54	16.017		
9,300.00	6,227.00	10,279.32	6,227.00	70.37	104.54	90.00	3,116.71	4,289.00	1,930.04	1,806.44	123.60	15.615		
9,400.00	6,227.00	10,379.31	6,227.00	71.63	105.10	90.00	3,216.71	4,289.35	1,929.33	1,802.64	126.68	15.230		
9,500.00	6,227.00	10,479.31	6,227.00	72.92	105.69	90.00	3,316.70	4,289.70	1,928.61	1,798.82	129.79	14.860		
9,600.00	6,227.00	10,579.31	6,227.00	74.23	106.30	90.00	3,416.70	4,290.05	1,927.90	1,794.98	132.92	14.505		
9,700.00	6,227.00	10,679.31	6,227.00	75.57	106.94	90.00	3,516.70	4,290.40	1,927.19	1,791.12	136.06	14.164		
9,800.00	6,227.00	10,779.30	6,227.00	76.93	107.60	90.00	3,616.69	4,290.75	1,926.47	1,787.24	139.23	13.836		
9,900.00	6,227.00	10,879.30	6,227.00	78.31	108.28	90.00	3,716.69	4,291.10	1,925.76	1,783.34	142.42	13.522		
10,000.00	6,227.00	10,979.30	6,227.00	79.71	108.99	90.00	3,816.69	4,291.45	1,925.05	1,779.43	145.62	13.220		
10,100.00	6,227.00	11,079.30	6,227.00	81.12	109.72	90.00	3,916.68	4,291.80	1,924.33	1,775.50	148.84	12.929		
10,200.00	6,227.00	11,179.29	6,227.00	82.55	110.48	90.00	4,016.68	4,292.15	1,923.62	1,771.55	152.07	12.650		
10,300.00	6,227.00	11,279.29	6,227.00	84.00	111.26	90.00	4,116.68	4,292.50	1,922.91	1,767.60	155.31	12.381		
10,400.00	6,227.00	11,379.29	6,227.00	85.46	112.07	90.00	4,216.67	4,292.84	1,922.20	1,763.63	158.57	12.122		
10,500.00	6,227.00	11,479.29	6,227.00	86.94	112.90	90.00	4,316.67	4,293.19	1,921.48	1,759.64	161.84	11.873		
10,600.00	6,227.00	11,579.28	6,227.00	88.43	113.76	90.00	4,416.67	4,293.54	1,920.77	1,755.65	165.12	11.633		
10,700.00	6,227.00	11,679.28	6,227.00	89.93	114.64	90.00	4,516.66	4,293.89	1,920.06	1,751.64	168.41	11.401		
10,800.00	6,227.00	11,779.28	6,227.00	91.44	115.55	90.00	4,616.66	4,294.24	1,919.34	1,747.63	171.71	11.178		
10,900.00	6,227.00	11,879.28	6,227.00	92.96	116.49	90.00	4,716.66	4,294.59	1,918.63	1,743.60	175.03	10.962		
11,000.00	6,227.00	11,979.27	6,227.00	94.50	117.44	90.00	4,816.65	4,294.94	1,917.92	1,739.57	178.35	10.754		
11,100.00	6,227.00	12,079.27	6,227.00	96.04	118.43	90.00	4,916.65	4,295.29	1,917.20	1,735.53	181.67	10.553		
11,200.00	6,227.00	12,179.27	6,227.00	97.59	119.43	90.00	5,016.65	4,295.64	1,916.49	1,731.48	185.01	10.359		
11,300.00	6,227.00	12,279.27	6,227.00	99.15	120.46	90.00	5,116.65	4,295.99	1,915.78	1,727.42	188.35	10.171		
11,400.00	6,227.00	12,379.26	6,227.00	100.72	121.51	90.00	5,216.64	4,296.34	1,915.06	1,723.36	191.71	9.990		
11,500.00	6,227.00	12,479.26	6,227.00	102.30	122.59	90.00	5,316.64	4,296.69	1,914.35	1,719.29	195.06	9.814		
11,600.00	6,227.00	12,579.26	6,227.00	103.88	123.69	90.00	5,416.64	4,297.04	1,913.64	1,715.21	198.43	9.644		
11,700.00	6,227.00	12,679.26	6,227.00	105.47	124.81	90.00	5,516.63	4,297.39	1,912.92	1,711.13	201.80	9.479		
11,743.45	6,227.00	12,722.71	6,227.00	106.17	125.30	90.00	5,560.08	4,297.54	1,912.61	1,709.35	203.26	9.409		
11,763.86	6,227.00	12,743.12	6,227.00	106.49	125.53	90.00	5,580.49	4,297.62	1,912.54	1,708.59	203.95	9.377		
11,808.25	6,227.00	12,787.50	6,227.00	107.20	126.04	90.00	5,624.88	4,297.77	1,912.89	1,707.43	205.45	9.311		
11,900.00	6,227.00	12,879.24	6,227.00	108.66	127.11	90.00	5,716.62	4,298.09	1,914.31	1,705.75	208.56	9.179		
12,000.00	6,227.00	12,979.23	6,227.00	110.26	128.29	90.00	5,816.60	4,298.44	1,915.86	1,703.90	211.95	9.039		
12,100.00	6,227.00	13,079.22	6,227.00	111.86	129.49	90.00	5,916.59	4,298.79	1,917.40	1,702.06	215.35	8.904		
12,200.00	6,227.00	13,179.21	6,227.00	113.47	130.71	90.00	6,016.58	4,299.14	1,918.95	1,700.21	218.75	8.772		
12,300.00	6,227.00	13,279.19	6,227.00	115.08	131.95	90.00	6,116.57	4,299.49	1,920.50	1,698.35	222.15	8.645		
12,400.00	6,227.00	13,379.18	6,227.00	116.70	133.20	90.00	6,216.55	4,299.84	1,922.05	1,696.49	225.56	8.521		
12,500.00	6,227.00	13,479.17	6,227.00	118.33	134.48	90.00	6,316.54	4,300.19	1,923.60	1,694.62	228.98	8.401		
12,600.00	6,227.00	13,579.16	6,227.00	119.96	135.76	90.00	6,416.53	4,300.54	1,925.15	1,692.75	232.39	8.284		
12,700.00	6,227.00	13,679.15	6,227.00	121.60	137.07	90.00	6,516.52	4,300.89	1,926.70	1,690.88	235.82	8.170		
12,800.00	6,227.00	13,779.13	6,227.00	123.24	138.39	90.00	6,616.50	4,301.24	1,928.24	1,689.00	239.24	8.060		
12,900.00	6,227.00	13,879.12	6,227.00	124.88	139.72	90.00	6,716.49	4,301.59	1,929.79	1,687.12	242.67	7.952		
13,000.00	6,227.00	13,979.11	6,227.00	126.53	141.07	90.00	6,816.48	4,301.94	1,931.34	1,685.24	246.11	7.848		
13,100.00	6,227.00	14,079.10	6,227.00	128.18	142.44	90.00	6,916.47	4,302.29	1,932.89	1,683.35	249.54	7.746		
13,200.00	6,227.00	14,179.09	6,227.00	129.84	143.81	90.00	7,016.45	4,302.64	1,934.44	1,681.46	252.98	7.647		
13,300.00	6,227.00	14,279.07	6,227.00	131.50	145.20	90.00	7,116.44	4,302.99	1,935.99	1,679.56	256.42	7.550		
13,400.00	6,227.00	14,379.06	6,227.00	133.16	146.60	90.00	7,216.43	4,303.34	1,937.54	1,677.67	259.87	7.456		
13,500.00	6,227.00	14,479.05	6,227.00	134.83	148.02	90.00	7,316.42	4,303.69	1,939.09	1,675.77	263.32	7.364		
13,600.00	6,227.00	14,579.04	6,227.00	136.50	149.44	90.00	7,416.40	4,304.04	1,940.63	1,673.87	266.77	7.275		
13,700.00	6,227.00	14,679.03	6,227.00	138.17	150.87	90.00	7,516.39	4,304.39	1,942.18	1,671.96	270.22	7.187		
13,800.00	6,227.00	14,779.01	6,227.00	139.85	152.32	90.00	7,616.38	4,304.74	1,943.73	1,670.05	273.68	7.102		

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-20-08 - 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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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
13,900.00	6,227.00	14,879.00	6,227.00	141.53	153.78	90.00	7,716.37	4,305.09	1,945.28	1,668.14	277.14	7.019	
14,000.00	6,227.00	14,978.99	6,227.00	143.21	155.24	90.00	7,816.35	4,305.44	1,946.83	1,666.23	280.60	6.938	
14,100.00	6,227.00	15,078.98	6,227.00	144.89	156.72	90.00	7,916.34	4,305.79	1,948.38	1,664.32	284.06	6.859	
14,200.00	6,227.00	15,178.97	6,227.00	146.58	158.20	90.00	8,016.33	4,306.14	1,949.93	1,662.40	287.53	6.782	
14,300.00	6,227.00	15,278.95	6,227.00	148.26	159.69	90.00	8,116.31	4,306.49	1,951.48	1,660.48	290.99	6.706	
14,400.00	6,227.00	15,378.94	6,227.00	149.96	161.19	90.00	8,216.30	4,306.83	1,953.02	1,658.56	294.46	6.633	
14,500.00	6,227.00	15,478.93	6,227.00	151.65	162.70	90.00	8,316.29	4,307.18	1,954.57	1,656.64	297.93	6.560	
14,600.00	6,227.00	15,578.92	6,227.00	153.34	164.22	90.00	8,416.28	4,307.53	1,956.12	1,654.71	301.41	6.490	
14,700.00	6,227.00	15,678.91	6,227.00	155.04	165.74	90.00	8,516.26	4,307.88	1,957.67	1,652.79	304.88	6.421	
14,800.00	6,227.00	15,778.89	6,227.00	156.74	167.27	90.00	8,616.25	4,308.23	1,959.22	1,650.86	308.36	6.354	
14,900.00	6,227.00	15,878.88	6,227.00	158.44	168.81	90.00	8,716.24	4,308.58	1,960.77	1,648.93	311.84	6.288	
15,000.00	6,227.00	15,978.87	6,227.00	160.14	170.35	90.00	8,816.23	4,308.93	1,962.32	1,647.00	315.32	6.223	
15,100.00	6,227.00	16,078.86	6,227.00	161.85	171.90	90.00	8,916.21	4,309.28	1,963.86	1,645.07	318.80	6.160	
15,200.00	6,227.00	16,178.85	6,227.00	163.56	173.45	90.00	9,016.20	4,309.63	1,965.41	1,643.13	322.28	6.098	
15,300.00	6,227.00	16,278.83	6,227.00	165.26	175.02	90.00	9,116.19	4,309.98	1,966.96	1,641.20	325.77	6.038	
15,400.00	6,227.00	16,378.82	6,227.00	166.97	176.58	90.00	9,216.18	4,310.33	1,968.51	1,639.26	329.25	5.979	
15,500.00	6,227.00	16,478.81	6,227.00	168.68	178.16	90.00	9,316.16	4,310.68	1,970.06	1,637.32	332.74	5.921	
15,600.00	6,227.00	16,578.80	6,227.00	170.40	179.73	90.00	9,416.15	4,311.03	1,971.61	1,635.38	336.23	5.864	
15,700.00	6,227.00	16,678.79	6,227.00	172.11	181.32	90.00	9,516.14	4,311.38	1,973.16	1,633.44	339.72	5.808	
15,800.00	6,227.00	16,778.77	6,227.00	173.83	182.90	90.00	9,616.13	4,311.73	1,974.71	1,631.50	343.21	5.754	
15,900.00	6,227.00	16,878.76	6,227.00	175.54	184.50	90.00	9,716.11	4,312.08	1,976.25	1,629.55	346.70	5.700	
16,000.00	6,227.00	16,978.75	6,227.00	177.26	186.09	90.00	9,816.10	4,312.43	1,977.80	1,627.61	350.19	5.648	
16,100.00	6,227.00	17,078.74	6,227.00	178.98	187.69	90.00	9,916.09	4,312.78	1,979.35	1,625.66	353.69	5.596	
16,200.00	6,227.00	17,178.73	6,227.00	180.70	189.30	90.00	10,016.08	4,313.13	1,980.90	1,623.72	357.19	5.546	
16,300.00	6,227.00	17,278.71	6,227.00	182.42	190.91	90.00	10,116.06	4,313.48	1,982.45	1,621.77	360.68	5.496	
16,400.00	6,227.00	17,378.70	6,227.00	184.15	192.52	90.00	10,216.05	4,313.83	1,984.00	1,619.82	364.18	5.448	
16,500.00	6,227.00	17,478.69	6,227.00	185.87	194.14	90.00	10,316.04	4,314.18	1,985.55	1,617.87	367.68	5.400	
16,600.00	6,227.00	17,578.68	6,227.00	187.60	195.76	90.00	10,416.03	4,314.53	1,987.09	1,615.92	371.18	5.353	
16,700.00	6,227.00	17,677.76	6,227.00	189.32	197.37	90.00	10,515.10	4,314.88	1,988.64	1,613.94	374.70	5.307	
16,800.00	6,227.00	17,677.76	6,227.00	191.05	197.37	90.00	10,515.10	4,314.88	1,992.75	1,612.43	380.32	5.240	
16,900.00	6,227.00	17,677.76	6,227.00	192.78	197.37	90.00	10,515.10	4,314.88	2,001.85	1,616.79	385.06	5.199	
17,000.00	6,227.00	17,677.76	6,227.00	194.51	197.37	90.00	10,515.10	4,314.88	2,015.87	1,626.97	388.90	5.184 SF	
17,100.00	6,227.00	17,677.76	6,227.00	196.24	197.37	90.00	10,515.10	4,314.88	2,034.72	1,642.87	391.84	5.193	
17,200.00	6,227.00	17,677.76	6,227.00	197.97	197.37	90.00	10,515.10	4,314.88	2,058.25	1,664.33	393.92	5.225	
17,300.00	6,227.00	17,677.76	6,227.00	199.70	197.37	90.00	10,515.10	4,314.88	2,086.33	1,691.15	395.18	5.279	
17,400.00	6,227.00	17,677.76	6,227.00	201.44	197.37	90.00	10,515.10	4,314.88	2,118.75	1,723.09	395.66	5.355	
17,500.00	6,227.00	17,677.76	6,227.00	203.17	197.37	90.00	10,515.10	4,314.88	2,155.33	1,759.89	395.44	5.450	
17,600.00	6,227.00	17,677.76	6,227.00	204.90	197.37	90.00	10,515.10	4,314.88	2,195.85	1,801.28	394.58	5.565	
17,700.00	6,227.00	17,677.76	6,227.00	206.64	197.37	90.00	10,515.10	4,314.88	2,240.12	1,846.96	393.16	5.698	
17,800.00	6,227.00	17,677.76	6,227.00	208.38	197.37	90.00	10,515.10	4,314.88	2,287.89	1,896.65	391.25	5.848	
17,900.00	6,227.00	17,677.76	6,227.00	210.11	197.37	90.00	10,515.10	4,314.88	2,338.97	1,950.05	388.92	6.014	
18,000.00	6,227.00	17,677.76	6,227.00	211.85	197.37	90.00	10,515.10	4,314.88	2,393.15	2,006.90	386.25	6.196	
18,100.00	6,227.00	17,677.76	6,227.00	213.59	197.37	90.00	10,515.10	4,314.88	2,450.20	2,066.91	383.29	6.393	
18,200.00	6,227.00	17,677.76	6,227.00	215.33	197.37	90.00	10,515.10	4,314.88	2,509.95	2,129.85	380.10	6.603	
18,300.00	6,227.00	17,677.76	6,227.00	217.07	197.37	90.00	10,515.10	4,314.88	2,572.19	2,195.46	376.73	6.828	
18,400.00	6,227.00	17,677.76	6,227.00	218.81	197.37	90.00	10,515.10	4,314.88	2,636.76	2,263.52	373.24	7.065	
18,500.00	6,227.00	17,677.76	6,227.00	220.55	197.37	90.00	10,515.10	4,314.88	2,703.49	2,333.84	369.65	7.314	
18,600.00	6,227.00	17,677.76	6,227.00	222.29	197.37	90.00	10,515.10	4,314.88	2,772.22	2,406.21	366.00	7.574	
18,700.00	6,227.00	17,677.76	6,227.00	224.03	197.37	90.00	10,515.10	4,314.88	2,842.80	2,480.47	362.33	7.846	
18,800.00	6,227.00	17,677.76	6,227.00	225.78	197.37	90.00	10,515.10	4,314.88	2,915.11	2,556.46	358.65	8.128	
18,900.00	6,227.00	17,677.76	6,227.00	227.52	197.37	90.00	10,515.10	4,314.88	2,989.02	2,634.02	354.99	8.420	

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

Civitas Resources

Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-20-08 - 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	
19,000.00	6,227.00	17,677.76	6,227.00	229.26	197.37	90.00	10,515.10	4,314.88	3,064.40	2,713.04	351.36	8.721	
19,100.00	6,227.00	17,677.76	6,227.00	231.01	197.37	90.00	10,515.10	4,314.88	3,141.16	2,793.38	347.78	9.032	
19,200.00	6,227.00	17,677.76	6,227.00	232.75	197.37	90.00	10,515.10	4,314.88	3,219.20	2,874.94	344.26	9.351	
19,300.00	6,227.00	17,677.76	6,227.00	234.50	197.37	90.00	10,515.10	4,314.88	3,298.42	2,957.63	340.80	9.679	
19,400.00	6,227.00	17,677.76	6,227.00	236.25	197.37	90.00	10,515.10	4,314.88	3,378.75	3,041.34	337.41	10.014	
19,500.00	6,227.00	17,677.76	6,227.00	237.99	197.37	90.00	10,515.10	4,314.88	3,460.10	3,126.00	334.10	10.356	
19,600.00	6,227.00	17,677.76	6,227.00	239.74	197.37	90.00	10,515.10	4,314.88	3,542.40	3,211.53	330.87	10.706	
19,700.00	6,227.00	17,677.76	6,227.00	241.49	197.37	90.00	10,515.10	4,314.88	3,625.60	3,297.87	327.73	11.063	
19,800.00	6,227.00	17,677.76	6,227.00	243.24	197.37	90.00	10,515.10	4,314.88	3,709.62	3,384.96	324.66	11.426	
19,900.00	6,227.00	17,677.76	6,227.00	244.98	197.37	90.00	10,515.10	4,314.88	3,794.42	3,472.73	321.69	11.795	
20,000.00	6,227.00	17,677.76	6,227.00	246.73	197.37	90.00	10,515.10	4,314.88	3,879.94	3,561.15	318.80	12.171	
20,100.00	6,227.00	17,677.76	6,227.00	248.48	197.37	90.00	10,515.10	4,314.88	3,966.15	3,650.16	315.99	12.551	
20,200.00	6,227.00	17,677.76	6,227.00	250.23	197.37	90.00	10,515.10	4,314.88	4,052.98	3,739.72	313.27	12.938	
20,300.00	6,227.00	17,677.76	6,227.00	251.98	197.37	90.00	10,515.10	4,314.88	4,140.41	3,829.79	310.62	13.329	
20,400.00	6,227.00	17,677.76	6,227.00	253.73	197.37	90.00	10,515.10	4,314.88	4,228.40	3,920.34	308.06	13.726	
20,500.00	6,227.00	17,677.76	6,227.00	255.49	197.37	90.00	10,515.10	4,314.88	4,316.91	4,011.33	305.58	14.127	
20,600.00	6,227.00	17,677.76	6,227.00	257.24	197.37	90.00	10,515.10	4,314.88	4,405.91	4,102.74	303.17	14.533	
20,700.00	6,227.00	17,677.76	6,227.00	258.99	197.37	90.00	10,515.10	4,314.88	4,495.37	4,194.53	300.84	14.943	
20,800.00	6,227.00	17,677.76	6,227.00	260.74	197.37	90.00	10,515.10	4,314.88	4,585.27	4,286.70	298.58	15.357	
20,900.00	6,227.00	17,677.76	6,227.00	262.49	197.37	90.00	10,515.10	4,314.88	4,675.58	4,379.20	296.38	15.775	
21,000.00	6,227.00	17,677.76	6,227.00	264.25	197.37	90.00	10,515.10	4,314.88	4,766.28	4,472.02	294.26	16.198	
21,100.00	6,227.00	17,677.76	6,227.00	266.00	197.37	90.00	10,515.10	4,314.88	4,857.34	4,565.14	292.20	16.623	
21,200.00	6,227.00	17,677.76	6,227.00	267.75	197.37	90.00	10,515.10	4,314.88	4,948.74	4,658.54	290.21	17.052	
21,300.00	6,227.00	17,677.76	6,227.00	269.51	197.37	90.00	10,515.10	4,314.88	5,040.48	4,752.20	288.27	17.485	
21,400.00	6,227.00	17,677.76	6,227.00	271.26	197.37	90.00	10,515.10	4,314.88	5,132.52	4,846.12	286.40	17.921	
21,500.00	6,227.00	17,677.76	6,227.00	273.02	197.37	90.00	10,515.10	4,314.88	5,224.85	4,940.27	284.58	18.360	
21,600.00	6,227.00	17,677.76	6,227.00	274.77	197.37	90.00	10,515.10	4,314.88	5,317.47	5,034.65	282.82	18.802	
21,700.00	6,227.00	17,677.76	6,227.00	276.53	197.37	90.00	10,515.10	4,314.88	5,410.34	5,129.23	281.11	19.247	
21,800.00	6,227.00	17,677.76	6,227.00	278.28	197.37	90.00	10,515.10	4,314.88	5,503.46	5,224.02	279.45	19.694	
21,900.00	6,227.00	17,677.76	6,227.00	280.04	197.37	90.00	10,515.10	4,314.88	5,596.83	5,318.99	277.84	20.144	
22,000.00	6,227.00	17,677.76	6,227.00	281.80	197.37	90.00	10,515.10	4,314.88	5,690.41	5,414.14	276.27	20.597	
22,085.16	6,227.00	17,677.76	6,227.00	283.29	197.37	90.00	10,515.10	4,314.88	5,770.28	5,495.30	274.98	20.984	

Civitas Resources

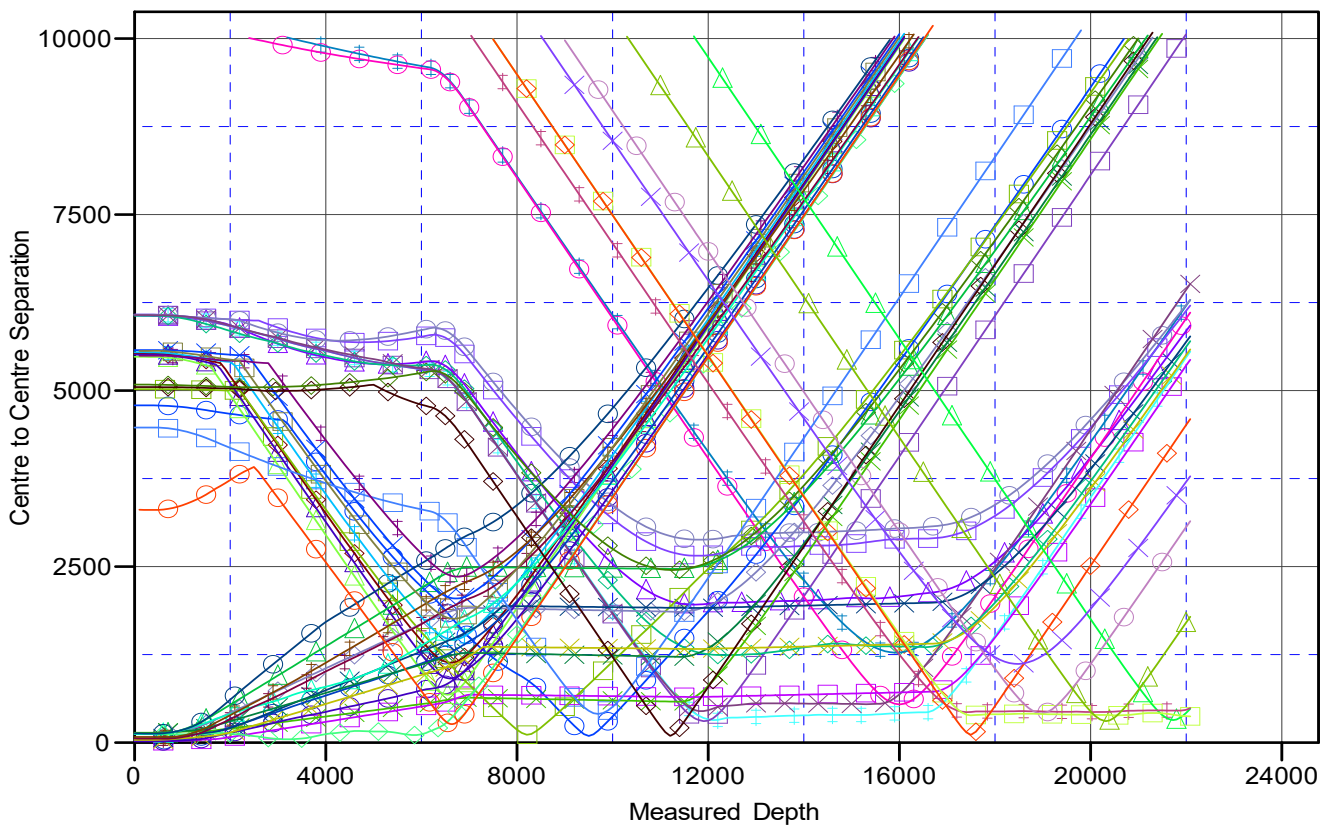
Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 25' @ 4569.00usft
Offset Depths are relative to Offset Datum
Central Meridian is 105.500000°W

Coordinates are relative to: STATE NORTH PLATTE F-36 FED 25N-30-05
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.72°

Ladder Plot



LEGEND

ABND VERT MONAHAN FARR 1, OMB, Design#1 V0	EXIST H2 STATE NORTH PLATTE F21-04-38NC, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE 11-36-1XRNB, OMB, FINAL SURVEY V0
EXIST H2 NORTH PLATTE JF-28HZ, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-10-02, OMB, PROPOSAL 1V0	EXIST H2 STATE NORTH PLATTE 11-36-1XRNC, OMB, FINAL SURVEY V0
EXIST H2 NORTH PLATTE E-A-28HNA, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE Y44-U1-38NC, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE 44-41-38NB, OMB, FINAL SURVEY V0
EXIST H2 NORTH PLATTE OK-24HNB, STK 1 FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-20-06, OMB, PROPOSAL 1V0	EXIST H2 STATE NORTH PLATTE K-35-38RNB, OMB, FINAL SURVEY V0
EXIST H2 NORTH PLATTE OK-24HNB, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE K21-04-38NB, OMB, FINAL SURVEY V0	EXIST H2 SI 70 RANCH USX BB25-04, OMB, FINAL SURVEY V0
ABND VERT MONAHAN FEDERAL 24 (GYRO), OMB, GYRO V0	EXIST H2 STATE NORTH PLATTE K-03-38NC, OMB, FINAL SURVEY V0	SI VERT 70 RANCH USX BB25-04 (GYRO), OMB, GYRO SURVEY V0
EXIST H2 NORTH PLATTE A-28HNC, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-20-08, OMB, PROPOSAL 1V0	ABND VERT 70 RANCH USX BB 13-7 (GYRO), OMB, GYRO V0
EXIST H2 NORTH PLATTE 24-21-24HZ, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE T34-P31-38NC, OMB, FINAL SURVEY V0	NORTH PLATTE T34-P31-13NB, OMB, FINAL SURVEY V0
EXIST H2 NORTH PLATTE K-24HC, OMB, FINAL SURVEY V0	ABND VERT 70 RANCH USX BB 25-07, OMB, Design #1 V0	ABND VERT NORTH PLATTE 33-13 (GYRO), OMB, GYRO V0
EXIST H2 SI 70 RANCH USX BB 25-99HZ, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-10-03, OMB, PROPOSAL 1V0	EXIST H2 NORTH PLATTE K-03-38NC, OMB, FINAL SURVEY V0
EXIST H2 STATE NORTH PLATTE T-P-38HNB, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-20-07, OMB, PROPOSAL 1V0	EXIST H2 NORTH PLATTE 34-13, OMB, FINAL SURVEY V0
STATE NORTH PLATTE F-36 FED 25N-10-04, OMB, PROPOSAL 1V0	EXIST H2 STATE NORTH PLATTE V-03-38NC, OMB, FINAL SURVEY V0	EXIST H2 NORTH PLATTE 13-13, OMB, FINAL SURVEY V0
EXIST H2 STATE NORTH PLATTE 34-13-38NB, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE F-36 FED 25N-10-01, OMB, PROPOSAL 1V0	ABND VERT 70 RANCH - USX BB 13-7 (GYRO), OMB, GYRO V0
EXIST H2 STATE NORTH PLATTE 144-P1-38NC, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE F-36 FED 25N-10-01, OMB, PROPOSAL 1V0	
EXIST H2 SI 70 RANCH USX BB25-96-1H, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE F11-14-38NC, OMB, FINAL SURVEY V0	

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

Civitas Resources

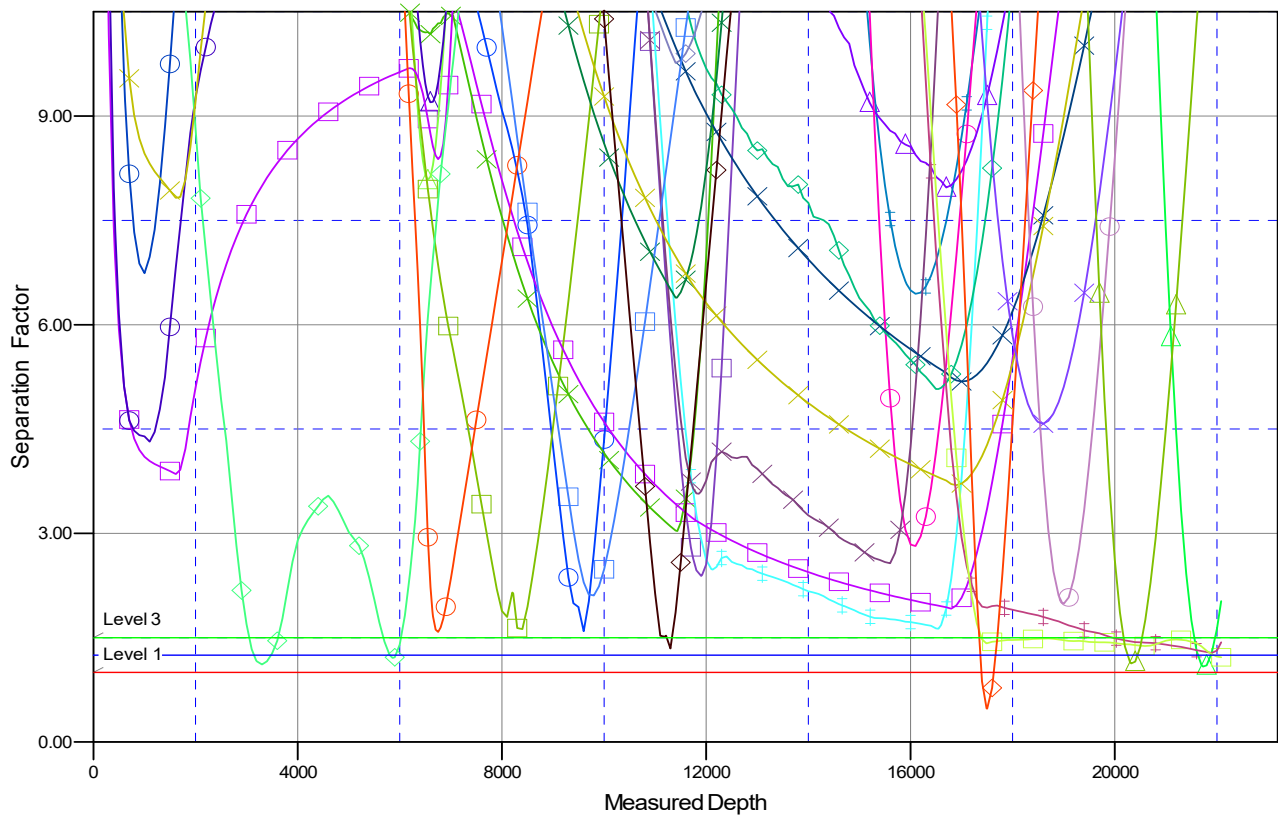
Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-30-05
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4569.00usft
Reference Site:	SEC 36-T5N-R63W	MD Reference:	KB 25' @ 4569.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	STATE NORTH PLATTE F-36 FED 25N-30-05	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 25' @ 4569.00usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 105.500000°W

Coordinates are relative to: STATE NORTH PLATTE F-36 FED 25N-30-05
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.72°

Separation Factor Plot



LEGEND

ABND VERT MONAHAN FARR 1, OMB, Design #1 V0	EXIST H2 STATE NORTH PLATTE F21-24-38NC, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE 11-36-1XRNB, OMB, FINAL SURVEY V0
EXIST H2 NORTH PLATTE JF-24H2, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 22N-10-02, OMB, PROPOSAL 1V0	EXIST H2 STATE NORTH PLATTE 11-36-1XRNB, OMB, FINAL SURVEY V0
EXIST H2 NORTH PLATTE A-24H2A, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE Y44-U1-38NC, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE 44-41-38NB, OMB, FINAL SURVEY V0
EXIST H2 NORTH PLATTE OK-24H2B, STK 1 FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 22N-20-06, OMB, PROPOSAL 1V0	EXIST H2 STATE NORTH PLATTE K-35-38RNB, OMB, FINAL SURVEY V0
EXIST H2 NORTH PLATTE OK-24H2B, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE K21-Q3-38NB, OMB, FINAL SURVEY V0	EXIST H2 SI 70 RANCH USX BB25-04, OMB, FINAL SURVEY V0
ABND VERT MONAHAN FEDERAL 24 (GYRO), OMB, GYRO V0	EXIST H2 STATE NORTH PLATTE K-38NC, OMB, FINAL SURVEY V0	SI VERT 70 RANCH USX BB25-04 (GYRO), OMB, GYRO SURVEY V0
EXIST H2 NORTH PLATTE A-24H2C, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 22N-20-08, OMB, PROPOSAL 1V0	ABND VERT 70 RANCH USX BB 15-02 (GYRO), OMB, GYRO V0
EXIST H2 NORTH PLATTE 24-21-24H2, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE T34-P31-38NC, OMB, FINAL SURVEY V0	NORTH PLATTE T34-P31-13NB, OMB, FINAL SURVEY V0
EXIST H2 NORTH PLATTE K-24H2, OMB, FINAL SURVEY V0	ABND VERT 70 RANCH USX BB 25-07, OMB, Design #1 V0	ABND VERT NORTH PLATTE 33-13 (GYRO), OMB, GYRO V0
EXIST H2 SI 70 RANCH USX BB 25-99H2, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 22N-10-03, OMB, PROPOSAL 1V0	EXIST H2 NORTH PLATTE K-38NC, OMB, FINAL SURVEY V0
EXIST H2 STATE NORTH PLATTE T-P-38NB, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 22N-20-07, OMB, PROPOSAL 1V0	EXIST H2 NORTH PLATTE 34-13, OMB, FINAL SURVEY V0
STATE NORTH PLATTE F-36 FED 22N-10-04, OMB, PROPOSAL 1V0	STATE NORTH PLATTE F-36 FED 22N-10-01, OMB, PROPOSAL 1V0	EXIST H2 NORTH PLATTE 13, OMB, FINAL SURVEY V0
EXIST H2 STATE NORTH PLATTE 9-31-38NB, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE U-38NC, OMB, FINAL SURVEY V0	ABND VERT 70 RANCH - USX BB 13-17 (GYRO), OMB, GYRO V0
EXIST H2 STATE NORTH PLATTE T44-P41-38NC, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE F-36 FED 22N-20-07, OMB, PROPOSAL 1V0	
EXIST H2 SI 70 RANCH USX BB25-06-1H, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE F11-J14-38NC, OMB, FINAL SURVEY V0	

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