

# **BONANZA CREEK ENERGY**

**WELD COUNTY**

**SEC 36-T5N-R63W**

**STATE NORTH PLATTE F-36 FED 25N-20-07**

**OWB**

**PROPOSAL 1**

## **Anticollision Report**

**03 January, 2024**

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PROPOSAL 1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	Stations	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Unknown AC limit!	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	1/2/2024		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	17,348.07	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 24-T5N-R63W						
ABND VERT MONAHAN FARR 1 - OWB - Design #1	16,593.87	6,265.00	115.62	-80.41	0.590	Level 1, CC, ES, SF
ABND VERT MONAHAN FEDERAL 24 (GYRO) - OWB -	16,600.00	6,100.00	887.37	693.28	4.572	ES, SF
ABND VERT MONAHAN FEDERAL 24 (GYRO) - OWB -	16,655.96	6,100.00	885.61	693.34	4.606	CC
EXIST HZ NORTH PLATTE 24-21-24HZ - OWB - FINAL	12,944.00	6,659.43	2,579.90	2,444.80	19.097	CC
EXIST HZ NORTH PLATTE 24-21-24HZ - OWB - FINAL	13,000.00	6,682.58	2,580.23	2,444.70	19.039	ES
EXIST HZ NORTH PLATTE 24-21-24HZ - OWB - FINAL	17,171.35	10,898.00	2,759.82	2,491.45	10.284	SF
EXIST HZ NORTH PLATTE E-A-24HNA - OWB - FINAL	12,300.00	5,962.00	3,971.23	3,849.47	32.615	ES
EXIST HZ NORTH PLATTE E-A-24HNA - OWB - FINAL	12,556.84	4,725.84	3,965.26	3,857.06	36.648	CC
EXIST HZ NORTH PLATTE E-A-24HNA - OWB - FINAL	17,348.07	11,042.31	4,307.85	4,039.00	16.023	SF
EXIST HZ NORTH PLATTE E-A-24HNC - OWB - FINAL	12,615.90	4,244.56	4,039.32	3,937.90	39.828	CC, ES
EXIST HZ NORTH PLATTE E-A-24HNC - OWB - FINAL	17,348.07	11,077.00	4,475.01	4,210.17	16.897	SF
EXIST HZ NORTH PLATTE J-F-24HZ - OWB - FINAL SU	12,357.69	6,368.47	3,291.59	3,165.78	26.163	CC
EXIST HZ NORTH PLATTE J-F-24HZ - OWB - FINAL SU	12,400.00	6,387.00	3,291.83	3,165.73	26.104	ES
EXIST HZ NORTH PLATTE J-F-24HZ - OWB - FINAL SU	17,348.07	11,081.00	3,528.35	3,264.10	13.353	SF
EXIST HZ NORTH PLATTE O-K-24HC - OWB - FINAL S	12,472.98	6,354.72	1,778.07	1,651.57	14.056	CC
EXIST HZ NORTH PLATTE O-K-24HC - OWB - FINAL S	16,000.00	9,964.00	1,877.60	1,651.53	8.306	ES
EXIST HZ NORTH PLATTE O-K-24HC - OWB - FINAL S	16,300.00	10,207.39	1,889.97	1,656.68	8.101	SF
EXIST HZ NORTH PLATTE O-K-24HNB - OWB - FINAL	12,500.00	6,547.00	1,637.64	1,506.92	12.528	SF
EXIST HZ NORTH PLATTE O-K-24HNB - OWB - FINAL	12,586.84	6,547.00	1,635.34	1,505.37	12.583	CC, ES
EXIST HZ NORTH PLATTE O-K-24HNB - STK 1 - FINAL	12,700.00	6,474.00	1,654.33	1,524.35	12.728	ES
EXIST HZ NORTH PLATTE O-K-24HNB - STK 1 - FINAL	12,706.44	6,474.00	1,654.31	1,524.41	12.735	CC
EXIST HZ NORTH PLATTE O-K-24HNB - STK 1 - FINAL	17,200.00	11,000.00	1,824.81	1,556.09	6.791	SF

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<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

### Summary

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
SEC 36-T5N-R63W						
ABND VERT 70 RANCH USX BB 25-07P - OWB - Desig	10,200.00	6,257.00	947.77	749.02	4.769	SF
ABND VERT 70 RANCH USX BB 25-07P - OWB - Desig	10,300.00	6,257.00	938.15	742.78	4.802	ES
ABND VERT 70 RANCH USX BB 25-07P - OWB - Desig	10,340.72	6,257.00	937.27	743.34	4.833	CC
EXIST HZ SI 70 RANCH USX BB 25-99HZ - OWB - FIN	8,389.90	10,225.19	143.16	80.77	2.295	CC
EXIST HZ SI 70 RANCH USX BB 25-99HZ - OWB - FIN	8,500.00	10,153.30	165.70	64.77	1.642	ES, SF
EXIST HZ SI 70 RANCH USX BB25-68HN - OWB - FINA	11,854.48	9,739.11	99.71	15.33	1.182	Level 2, CC
EXIST HZ SI 70 RANCH USX BB25-68HN - OWB - FINA	11,900.00	9,737.46	109.60	-1.70	0.985	Level 1, ES, SF
EXIST HZ SI 70 RANCH USX BB25-96-1HN - OWB - FIN	7,799.37	11,197.00	470.05	338.02	3.560	CC
EXIST HZ SI 70 RANCH USX BB25-96-1HN - OWB - FIN	7,900.00	11,197.00	480.70	337.84	3.365	ES
EXIST HZ SI 70 RANCH USX BB25-96-1HN - OWB - FIN	8,000.00	11,197.00	511.08	357.30	3.323	SF
EXIST HZ STATE NORTH PLATTE 11-36-1XRLC - OWB	100.00	90.45	120.07	119.65	286.423	CC
EXIST HZ STATE NORTH PLATTE 11-36-1XRLC - OWB	527.44	517.79	120.62	117.38	37.165	ES
EXIST HZ STATE NORTH PLATTE 11-36-1XRLC - OWB	1,000.00	974.98	157.61	150.71	22.852	SF
EXIST HZ STATE NORTH PLATTE 11-36-1XRNLB - OW	209.19	200.55	148.80	147.79	147.662	CC, ES
EXIST HZ STATE NORTH PLATTE 11-36-1XRNLB - OW	1,100.00	1,079.10	263.65	256.74	38.166	SF
EXIST HZ STATE NORTH PLATTE 34-31-36HNB - OWB	6,811.77	10,874.00	1,041.87	938.34	10.064	CC
EXIST HZ STATE NORTH PLATTE 34-31-36HNB - OWB	6,850.00	10,874.00	1,042.62	937.46	9.915	ES
EXIST HZ STATE NORTH PLATTE 34-31-36HNB - OWB	7,000.00	10,874.00	1,066.60	956.01	9.645	SF
EXIST HZ STATE NORTH PLATTE 44-41-36HNB - OWB	7,193.73	10,752.00	659.98	541.78	5.584	CC
EXIST HZ STATE NORTH PLATTE 44-41-36HNB - OWB	7,200.00	10,752.00	660.04	541.65	5.575	ES
EXIST HZ STATE NORTH PLATTE 44-41-36HNB - OWB	7,250.00	10,752.00	665.04	545.46	5.562	SF
EXIST HZ STATE NORTH PLATTE F11-J14-36HNC - OW	541.38	532.58	97.53	94.03	27.896	CC
EXIST HZ STATE NORTH PLATTE F11-J14-36HNC - OW	600.00	590.60	97.88	93.95	24.917	ES
EXIST HZ STATE NORTH PLATTE F11-J14-36HNC - OW	1,000.00	983.02	137.45	130.44	19.599	SF
EXIST HZ STATE NORTH PLATTE F21-J24-36HNC - OW	463.47	454.42	77.48	74.55	26.393	CC
EXIST HZ STATE NORTH PLATTE F21-J24-36HNC - OW	500.00	490.65	77.61	74.42	24.274	ES
EXIST HZ STATE NORTH PLATTE F21-J24-36HNC - OW	1,000.00	990.26	106.82	99.81	15.228	SF
EXIST HZ STATE NORTH PLATTE F-J-36HNB - OWB -	100.00	88.75	129.84	129.44	321.228	CC
EXIST HZ STATE NORTH PLATTE F-J-36HNB - OWB -	200.00	188.71	130.05	128.93	116.036	ES
EXIST HZ STATE NORTH PLATTE F-J-36HNB - OWB -	1,000.00	982.21	229.37	222.48	33.303	SF
EXIST HZ STATE NORTH PLATTE K21-O24-36HNB - O	408.31	399.23	57.80	55.44	24.466	CC, ES
EXIST HZ STATE NORTH PLATTE K21-O24-36HNB - O	1,100.00	1,091.84	97.46	89.63	12.450	SF
EXIST HZ STATE NORTH PLATTE K-35-36MRLNB - OW	7,287.47	13,583.85	238.79	63.30	1.361	Level 3, CC
EXIST HZ STATE NORTH PLATTE K-35-36MRLNB - OW	7,400.00	13,626.21	269.39	27.48	1.114	Level 2, ES, SF
EXIST HZ STATE NORTH PLATTE K-O-36HC - OWB - F	100.00	88.70	136.98	136.58	340.727	CC
EXIST HZ STATE NORTH PLATTE K-O-36HC - OWB - F	200.00	188.67	137.23	136.12	123.476	ES
EXIST HZ STATE NORTH PLATTE K-O-36HC - OWB - F	4,100.00	4,160.13	485.44	443.78	11.652	SF
EXIST HZ STATE NORTH PLATTE T34-P31-36HNC - O	6,946.46	10,915.00	800.52	698.95	7.881	CC
EXIST HZ STATE NORTH PLATTE T34-P31-36HNC - O	6,950.00	10,915.00	800.54	698.74	7.864	ES
EXIST HZ STATE NORTH PLATTE T34-P31-36HNC - O	7,100.00	10,915.00	825.16	715.49	7.524	SF
EXIST HZ STATE NORTH PLATTE T44-P41-36HNC - O	7,136.24	10,862.00	572.91	478.89	6.094	CC
EXIST HZ STATE NORTH PLATTE T44-P41-36HNC - O	7,150.00	10,862.00	573.23	478.80	6.071	ES
EXIST HZ STATE NORTH PLATTE T44-P41-36HNC - O	7,200.00	10,862.00	579.83	484.04	6.053	SF
EXIST HZ STATE NORTH PLATTE T-P-36HNB - OWB -	7,013.45	10,816.00	602.52	504.95	6.175	CC
EXIST HZ STATE NORTH PLATTE T-P-36HNB - OWB -	7,050.00	10,816.00	604.48	504.04	6.018	ES
EXIST HZ STATE NORTH PLATTE T-P-36HNB - OWB -	7,150.00	10,816.00	629.19	522.42	5.893	SF
EXIST HZ STATE NORTH PLATTE Y44-U41-36HNC - O	7,272.00	10,918.00	872.61	746.84	6.938	CC
EXIST HZ STATE NORTH PLATTE Y44-U41-36HNC - O	7,300.00	10,918.00	873.66	746.73	6.883	ES
EXIST HZ STATE NORTH PLATTE Y44-U41-36HNC - O	7,350.00	10,918.00	880.83	752.17	6.847	SF
EXIST HZ STATE NORTH PLATTE Y-U-36HC - OWB - F	7,340.44	10,918.00	1,141.15	1,014.80	9.032	CC
EXIST HZ STATE NORTH PLATTE Y-U-36HC - OWB - F	7,350.00	10,918.00	1,141.26	1,014.45	9.000	ES
EXIST HZ STATE NORTH PLATTE Y-U-36HC - OWB - F	7,450.00	10,918.00	1,155.43	1,024.47	8.823	SF

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 36-T5N-R63W						
SI VERT 70 RANCH USX BB 25-04 (GYRO) - OWB - GY	11,913.04	6,200.00	3,786.18	3,670.75	32.801	CC, ES
SI VERT 70 RANCH USX BB 25-04 (GYRO) - OWB - GY	12,300.00	6,200.00	3,805.90	3,689.24	32.622	SF
STATE NORTH PLATTE F-36 FED 25N-10-01 - OWB - P	200.00	200.00	122.67	121.41	97.769	CC, ES
STATE NORTH PLATTE F-36 FED 25N-10-01 - OWB - P	12,200.00	10,974.09	3,803.50	3,611.58	19.817	SF
STATE NORTH PLATTE F-36 FED 25N-10-02 - OWB - P	200.00	200.00	119.99	118.74	95.637	CC, ES
STATE NORTH PLATTE F-36 FED 25N-10-02 - OWB - P	12,076.61	10,999.56	3,191.47	2,999.70	16.642	SF
STATE NORTH PLATTE F-36 FED 25N-10-03 - OWB - P	200.00	200.00	120.63	119.37	96.145	CC, ES
STATE NORTH PLATTE F-36 FED 25N-10-03 - OWB - P	12,081.47	11,097.28	2,552.34	2,360.07	13.275	SF
STATE NORTH PLATTE F-36 FED 25N-10-04 - OWB - P	200.00	200.00	124.80	123.54	99.469	CC, ES
STATE NORTH PLATTE F-36 FED 25N-10-04 - OWB - P	12,086.26	11,265.65	1,914.32	1,721.36	9.921	SF
STATE NORTH PLATTE F-36 FED 25N-20-06 - OWB - P	306.40	306.37	19.57	17.56	9.731	CC
STATE NORTH PLATTE F-36 FED 25N-20-06 - OWB - P	400.00	399.96	19.86	17.19	7.430	ES
STATE NORTH PLATTE F-36 FED 25N-20-06 - OWB - P	17,348.07	16,997.45	682.21	307.60	1.821	SF
STATE NORTH PLATTE F-36 FED 25N-20-08 - OWB - P	204.45	204.47	19.95	18.67	15.567	CC
STATE NORTH PLATTE F-36 FED 25N-20-08 - OWB - P	300.00	299.91	20.25	18.28	10.321	ES
STATE NORTH PLATTE F-36 FED 25N-20-08 - OWB - P	17,348.07	17,677.76	581.93	206.07	1.548	SF
STATE NORTH PLATTE F-36 FED 25N-30-05 - OWB - P	356.74	356.66	39.47	37.10	16.651	CC
STATE NORTH PLATTE F-36 FED 25N-30-05 - OWB - P	400.00	399.84	39.57	36.89	14.767	ES
STATE NORTH PLATTE F-36 FED 25N-30-05 - OWB - P	17,348.07	16,679.91	1,406.58	1,033.89	3.774	SF

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 Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis			Distance			Minimum Separation (usft)	Separation Factor	Warning	
				Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
2,900.00	2,610.90	2,648.90	2,648.90	23.88	9.10	-73.20	9,805.66	3,614.97	10,024.71	9,992.83	31.88	314.483	
3,000.00	2,691.68	2,729.68	2,729.68	25.16	9.38	-73.47	9,805.66	3,614.97	10,004.23	9,970.82	33.41	299.433	
3,100.00	2,772.46	2,810.46	2,810.46	26.45	9.66	-73.74	9,805.66	3,614.97	9,984.05	9,949.10	34.95	285.661	
3,200.00	2,853.23	2,891.23	2,891.23	27.74	9.94	-74.01	9,805.66	3,614.97	9,964.19	9,927.69	36.50	273.017	
3,300.00	2,934.01	2,972.01	2,972.01	29.03	10.23	-74.27	9,805.66	3,614.97	9,944.63	9,906.58	38.05	261.371	
3,400.00	3,014.79	3,052.79	3,052.79	30.32	10.51	-74.54	9,805.66	3,614.97	9,925.38	9,885.78	39.60	250.612	
3,500.00	3,095.57	3,133.57	3,133.57	31.61	10.79	-74.81	9,805.66	3,614.97	9,906.45	9,865.28	41.17	240.647	
3,600.00	3,176.35	3,214.35	3,214.35	32.91	11.08	-75.09	9,805.66	3,614.97	9,887.83	9,845.10	42.73	231.392	
3,700.00	3,257.13	3,295.13	3,295.13	34.20	11.36	-75.36	9,805.66	3,614.97	9,869.53	9,825.23	44.30	222.776	
3,800.00	3,337.91	3,375.91	3,375.91	35.50	11.64	-75.63	9,805.66	3,614.97	9,851.55	9,805.67	45.88	214.737	
3,900.00	3,418.69	3,456.69	3,456.69	36.80	11.93	-75.90	9,805.66	3,614.97	9,833.89	9,786.43	47.46	207.222	
4,000.00	3,499.47	3,537.47	3,537.47	38.09	12.21	-76.18	9,805.66	3,614.97	9,816.55	9,767.51	49.04	200.181	
4,100.00	3,580.25	3,618.25	3,618.25	39.39	12.49	-76.45	9,805.66	3,614.97	9,799.54	9,748.91	50.62	193.573	
4,200.00	3,661.03	3,699.03	3,699.03	40.69	12.78	-76.72	9,805.66	3,614.97	9,782.85	9,730.63	52.21	187.360	
4,300.00	3,741.81	3,779.81	3,779.81	41.99	13.06	-77.00	9,805.66	3,614.97	9,766.48	9,712.68	53.81	181.509	
4,400.00	3,822.58	3,860.58	3,860.58	43.29	13.34	-77.28	9,805.66	3,614.97	9,750.45	9,695.05	55.40	175.991	
4,500.00	3,903.36	3,941.36	3,941.36	44.59	13.63	-77.55	9,805.66	3,614.97	9,734.75	9,677.74	57.00	170.779	
4,600.00	3,984.14	4,022.14	4,022.14	45.89	13.91	-77.83	9,805.66	3,614.97	9,719.38	9,660.77	58.60	165.848	
4,700.00	4,064.92	4,102.92	4,102.92	47.20	14.19	-78.11	9,805.66	3,614.97	9,704.34	9,644.13	60.21	161.179	
4,800.00	4,145.70	4,183.70	4,183.70	48.50	14.48	-78.39	9,805.66	3,614.97	9,689.64	9,627.82	61.82	156.751	
4,900.00	4,226.48	4,264.48	4,264.48	49.80	14.76	-78.67	9,805.66	3,614.97	9,675.27	9,611.85	63.43	152.546	
5,000.00	4,307.26	4,345.26	4,345.26	51.10	15.04	-78.95	9,805.66	3,614.97	9,661.25	9,596.21	65.04	148.550	
5,100.00	4,388.04	4,426.04	4,426.04	52.40	15.33	-79.23	9,805.66	3,614.97	9,647.56	9,580.91	66.65	144.748	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,200.00	4,468.82	4,506.82	4,506.82	53.71	15.61	-79.51	9,805.66	3,614.97	9,634.21	9,565.95	68.27	141.127		
5,300.00	4,549.60	4,587.60	4,587.60	55.01	15.89	-79.79	9,805.66	3,614.97	9,621.21	9,551.33	69.88	137.674		
5,400.00	4,630.38	4,668.38	4,668.38	56.31	16.18	-80.07	9,805.66	3,614.97	9,608.55	9,537.05	71.50	134.379		
5,500.00	4,711.16	4,749.16	4,749.16	57.62	16.46	-80.35	9,805.66	3,614.97	9,596.24	9,523.11	73.12	131.232		
5,600.00	4,791.93	4,829.93	4,829.93	58.92	16.74	-80.63	9,805.66	3,614.97	9,584.27	9,509.53	74.75	128.224		
5,700.00	4,872.71	4,910.71	4,910.71	60.23	17.03	-80.92	9,805.66	3,614.97	9,572.65	9,496.28	76.37	125.347		
5,800.00	4,953.49	4,991.49	4,991.49	61.53	17.31	-81.20	9,805.66	3,614.97	9,561.38	9,483.39	77.99	122.591		
5,900.00	5,034.27	5,072.27	5,072.27	62.83	17.59	-81.48	9,805.66	3,614.97	9,550.46	9,470.84	79.62	119.952		
6,000.00	5,115.05	5,153.05	5,153.05	64.14	17.88	-81.77	9,805.66	3,614.97	9,539.90	9,458.65	81.25	117.421		
6,100.00	5,195.83	5,233.83	5,233.83	65.44	18.16	-82.05	9,805.66	3,614.97	9,529.68	9,446.81	82.87	114.992		
6,200.00	5,276.61	5,314.61	5,314.61	66.75	18.44	-82.34	9,805.66	3,614.97	9,519.82	9,435.32	84.50	112.661		
6,300.00	5,357.39	5,395.39	5,395.39	68.05	18.73	-82.62	9,805.66	3,614.97	9,510.32	9,424.19	86.13	110.422		
6,400.00	5,438.17	5,476.17	5,476.17	69.36	19.01	-82.91	9,805.66	3,614.97	9,501.17	9,413.41	87.76	108.269		
6,500.00	5,518.95	5,556.95	5,556.95	70.66	19.29	-83.20	9,805.66	3,614.97	9,492.38	9,402.99	89.38	106.199		
6,600.00	5,599.73	5,637.73	5,637.73	71.97	19.58	-83.48	9,805.66	3,614.97	9,483.94	9,392.93	91.01	104.207		
6,700.00	5,680.51	5,718.51	5,718.51	73.27	19.86	-83.77	9,805.66	3,614.97	9,475.87	9,383.23	92.64	102.289		
6,800.00	5,761.29	5,799.29	5,799.29	74.58	20.14	-84.06	9,805.66	3,614.97	9,468.16	9,373.89	94.27	100.441		
6,837.84	5,791.85	5,829.85	5,829.85	75.07	20.25	-84.17	9,805.66	3,614.97	9,465.33	9,370.45	94.88	99.760		
6,850.00	5,801.67	5,839.67	5,839.67	75.23	20.28	-82.54	9,805.66	3,614.97	9,464.30	9,369.23	95.08	99.542		
6,900.00	5,841.80	5,879.80	5,879.80	75.88	20.42	-76.05	9,805.66	3,614.97	9,457.45	9,361.57	95.88	98.638		
6,950.00	5,881.33	5,919.33	5,919.33	76.52	20.56	-69.98	9,805.66	3,614.97	9,446.39	9,349.73	96.66	97.725		
7,000.00	5,919.97	5,957.97	5,957.97	77.14	20.70	-64.47	9,805.66	3,614.97	9,431.22	9,333.80	97.42	96.813		
7,050.00	5,957.41	5,995.41	5,995.41	77.74	20.83	-59.59	9,805.66	3,614.97	9,412.02	9,313.89	98.14	95.909		
7,100.00	5,993.37	6,031.37	6,031.37	78.32	20.96	-55.33	9,805.66	3,614.97	9,388.95	9,290.14	98.81	95.019		
7,150.00	6,027.59	6,065.59	6,065.59	78.86	21.08	-51.68	9,805.66	3,614.97	9,362.17	9,262.73	99.44	94.147		
7,200.00	6,059.79	6,097.79	6,097.79	79.36	21.19	-48.58	9,805.66	3,614.97	9,331.88	9,231.85	100.02	93.298		
7,250.00	6,089.73	6,127.73	6,127.73	79.83	21.29	-45.98	9,805.66	3,614.97	9,298.28	9,197.73	100.55	92.476		
7,300.00	6,117.20	6,155.20	6,155.20	80.25	21.39	-43.84	9,805.66	3,614.97	9,261.63	9,160.62	101.02	91.682		
7,350.00	6,141.96	6,179.96	6,179.96	80.63	21.48	-42.10	9,805.66	3,614.97	9,222.20	9,120.77	101.43	90.920		
7,400.00	6,163.85	6,201.85	6,201.85	80.98	21.55	-40.73	9,805.66	3,614.97	9,180.27	9,078.49	101.79	90.191		
7,450.00	6,182.69	6,220.69	6,220.69	81.28	21.62	-39.73	9,805.66	3,614.97	9,136.15	9,034.07	102.09	89.495		
7,500.00	6,198.33	6,236.33	6,236.33	81.54	21.67	-39.10	9,805.66	3,614.97	9,090.17	8,987.85	102.33	88.835		
7,550.00	6,210.67	6,248.67	6,248.67	81.77	21.72	-38.92	9,805.66	3,614.97	9,042.67	8,940.16	102.51	88.210		
7,600.00	6,219.60	6,257.60	6,257.60	81.96	21.75	-39.48	9,805.66	3,614.97	8,994.00	8,891.35	102.65	87.621		
7,650.00	6,225.05	6,263.05	6,263.05	82.11	21.77	-42.04	9,805.66	3,614.97	8,944.53	8,841.80	102.73	87.069		
7,702.53	6,227.00	6,265.00	6,265.00	82.24	21.77	-90.00	9,805.66	3,614.97	8,892.10	8,789.33	102.76	86.529		
7,800.00	6,227.00	6,265.00	6,265.00	82.45	21.77	-90.00	9,805.66	3,614.97	8,794.63	8,691.85	102.78	85.566		
7,900.00	6,227.00	6,265.00	6,265.00	82.68	21.77	-90.00	9,805.66	3,614.97	8,694.64	8,591.84	102.80	84.578		
8,000.00	6,227.00	6,265.00	6,265.00	82.93	21.77	-90.00	9,805.66	3,614.97	8,594.65	8,491.83	102.82	83.589		
8,100.00	6,227.00	6,265.00	6,265.00	83.20	21.77	-90.00	9,805.66	3,614.97	8,494.66	8,391.82	102.84	82.601		
8,200.00	6,227.00	6,265.00	6,265.00	83.49	21.77	-90.00	9,805.66	3,614.97	8,394.67	8,291.80	102.86	81.612		
8,300.00	6,227.00	6,265.00	6,265.00	83.80	21.77	-90.00	9,805.66	3,614.97	8,294.68	8,191.79	102.88	80.623		
8,400.00	6,227.00	6,265.00	6,265.00	84.12	21.77	-90.00	9,805.66	3,614.97	8,194.69	8,091.78	102.90	79.634		
8,500.00	6,227.00	6,265.00	6,265.00	84.47	21.77	-90.00	9,805.66	3,614.97	8,094.70	7,991.77	102.93	78.645		
8,600.00	6,227.00	6,265.00	6,265.00	84.83	21.77	-90.00	9,805.66	3,614.97	7,994.71	7,891.76	102.95	77.656		
8,700.00	6,227.00	6,265.00	6,265.00	85.22	21.77	-90.00	9,805.66	3,614.97	7,894.72	7,791.74	102.97	76.667		
8,800.00	6,227.00	6,265.00	6,265.00	85.62	21.77	-90.00	9,805.66	3,614.97	7,794.73	7,691.73	103.00	75.677		
8,900.00	6,227.00	6,265.00	6,265.00	86.05	21.77	-90.00	9,805.66	3,614.97	7,694.74	7,591.71	103.03	74.688		
9,000.00	6,227.00	6,265.00	6,265.00	86.51	21.77	-90.00	9,805.66	3,614.97	7,594.75	7,491.70	103.05	73.698		
9,100.00	6,227.00	6,265.00	6,265.00	86.98	21.77	-90.00	9,805.66	3,614.97	7,494.76	7,391.68	103.08	72.709		
9,200.00	6,227.00	6,265.00	6,265.00	87.49	21.77	-90.00	9,805.66	3,614.97	7,394.77	7,291.67	103.11	71.719		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,300.00	6,227.00	6,265.00	6,265.00	88.01	21.77	-90.00	9,805.66	3,614.97	7,294.79	7,191.65	103.14	70.729	
9,400.00	6,227.00	6,265.00	6,265.00	88.56	21.77	-90.00	9,805.66	3,614.97	7,194.80	7,091.63	103.17	69.740	
9,500.00	6,227.00	6,265.00	6,265.00	89.14	21.77	-90.00	9,805.66	3,614.97	7,094.81	6,991.61	103.20	68.750	
9,600.00	6,227.00	6,265.00	6,265.00	89.75	21.77	-90.00	9,805.66	3,614.97	6,994.83	6,891.60	103.23	67.760	
9,700.00	6,227.00	6,265.00	6,265.00	90.38	21.77	-90.00	9,805.66	3,614.97	6,894.84	6,791.58	103.26	66.770	
9,800.00	6,227.00	6,265.00	6,265.00	91.04	21.77	-90.00	9,805.66	3,614.97	6,794.85	6,691.56	103.30	65.781	
9,900.00	6,227.00	6,265.00	6,265.00	91.73	21.77	-90.00	9,805.66	3,614.97	6,694.87	6,591.54	103.33	64.791	
10,000.00	6,227.00	6,265.00	6,265.00	92.44	21.77	-90.00	9,805.66	3,614.97	6,594.88	6,491.52	103.37	63.801	
10,100.00	6,227.00	6,265.00	6,265.00	93.19	21.77	-90.00	9,805.66	3,614.97	6,494.90	6,391.50	103.40	62.811	
10,200.00	6,227.00	6,265.00	6,265.00	93.96	21.77	-90.00	9,805.66	3,614.97	6,394.91	6,291.47	103.44	61.822	
10,300.00	6,227.00	6,265.00	6,265.00	94.76	21.77	-90.00	9,805.66	3,614.97	6,294.93	6,191.45	103.48	60.832	
10,400.00	6,227.00	6,265.00	6,265.00	95.59	21.77	-90.00	9,805.66	3,614.97	6,194.95	6,091.43	103.52	59.842	
10,500.00	6,227.00	6,265.00	6,265.00	96.45	21.77	-90.00	9,805.66	3,614.97	6,094.97	5,991.40	103.56	58.853	
10,600.00	6,227.00	6,265.00	6,265.00	97.34	21.77	-90.00	9,805.66	3,614.97	5,994.98	5,891.38	103.61	57.863	
10,700.00	6,227.00	6,265.00	6,265.00	98.26	21.77	-90.00	9,805.66	3,614.97	5,895.00	5,791.35	103.65	56.874	
10,800.00	6,227.00	6,265.00	6,265.00	99.20	21.77	-90.00	9,805.66	3,614.97	5,795.02	5,691.33	103.70	55.885	
10,900.00	6,227.00	6,265.00	6,265.00	100.18	21.77	-90.00	9,805.66	3,614.97	5,695.04	5,591.30	103.74	54.895	
11,000.00	6,227.00	6,265.00	6,265.00	101.18	21.77	-90.00	9,805.66	3,614.97	5,595.06	5,491.27	103.79	53.906	
11,100.00	6,227.00	6,265.00	6,265.00	102.20	21.77	-90.00	9,805.66	3,614.97	5,495.09	5,391.24	103.84	52.917	
11,200.00	6,227.00	6,265.00	6,265.00	103.26	21.77	-90.00	9,805.66	3,614.97	5,395.11	5,291.21	103.90	51.928	
11,300.00	6,227.00	6,265.00	6,265.00	104.33	21.77	-90.00	9,805.66	3,614.97	5,295.13	5,191.18	103.95	50.939	
11,400.00	6,227.00	6,265.00	6,265.00	105.44	21.77	-90.00	9,805.66	3,614.97	5,195.16	5,091.15	104.01	49.951	
11,500.00	6,227.00	6,265.00	6,265.00	106.57	21.77	-90.00	9,805.66	3,614.97	5,095.18	4,991.12	104.06	48.962	
11,600.00	6,227.00	6,265.00	6,265.00	107.72	21.77	-90.00	9,805.66	3,614.97	4,995.21	4,891.08	104.12	47.974	
11,700.00	6,227.00	6,265.00	6,265.00	108.89	21.77	-90.00	9,805.66	3,614.97	4,895.24	4,791.05	104.19	46.985	
11,800.00	6,227.00	6,265.00	6,265.00	110.09	21.77	-90.00	9,805.66	3,614.97	4,795.26	4,691.01	104.25	45.997	
11,900.00	6,227.00	6,265.00	6,265.00	111.31	21.77	-90.00	9,805.66	3,614.97	4,695.29	4,590.97	104.32	45.009	
12,000.00	6,227.00	6,265.00	6,265.00	112.54	21.77	-90.00	9,805.66	3,614.97	4,595.32	4,490.94	104.39	44.021	
12,100.00	6,227.00	6,265.00	6,265.00	113.80	21.77	-90.00	9,805.66	3,614.97	4,495.36	4,390.90	104.46	43.034	
12,200.00	6,227.00	6,265.00	6,265.00	115.08	21.77	-90.00	9,805.66	3,614.97	4,395.39	4,290.85	104.54	42.047	
12,300.00	6,227.00	6,265.00	6,265.00	116.37	21.77	-90.00	9,805.66	3,614.97	4,295.43	4,190.81	104.62	41.059	
12,400.00	6,227.00	6,265.00	6,265.00	117.69	21.77	-90.00	9,805.66	3,614.97	4,195.46	4,090.77	104.70	40.072	
12,500.00	6,227.00	6,265.00	6,265.00	119.02	21.77	-90.00	9,805.66	3,614.97	4,095.50	3,990.72	104.78	39.086	
12,600.00	6,227.00	6,265.00	6,265.00	120.36	21.77	-90.00	9,805.66	3,614.97	3,995.54	3,890.67	104.87	38.099	
12,700.00	6,227.00	6,265.00	6,265.00	121.72	21.77	-90.00	9,805.66	3,614.97	3,895.59	3,790.62	104.97	37.113	
12,800.00	6,227.00	6,265.00	6,265.00	123.10	21.77	-90.00	9,805.66	3,614.97	3,795.63	3,690.57	105.06	36.127	
12,900.00	6,227.00	6,265.00	6,265.00	124.49	21.77	-90.00	9,805.66	3,614.97	3,695.68	3,590.51	105.17	35.141	
13,000.00	6,227.00	6,265.00	6,265.00	125.89	21.77	-90.00	9,805.66	3,614.97	3,595.73	3,490.45	105.27	34.156	
13,100.00	6,227.00	6,265.00	6,265.00	127.31	21.77	-90.00	9,805.66	3,614.97	3,495.78	3,390.39	105.39	33.171	
13,200.00	6,227.00	6,265.00	6,265.00	128.74	21.77	-90.00	9,805.66	3,614.97	3,395.84	3,290.33	105.51	32.186	
13,300.00	6,227.00	6,265.00	6,265.00	130.18	21.77	-90.00	9,805.66	3,614.97	3,295.90	3,190.27	105.63	31.201	
13,400.00	6,227.00	6,265.00	6,265.00	131.63	21.77	-90.00	9,805.66	3,614.97	3,195.96	3,090.20	105.77	30.217	
13,500.00	6,227.00	6,265.00	6,265.00	133.09	21.77	-90.00	9,805.66	3,614.97	3,096.03	2,990.12	105.91	29.233	
13,600.00	6,227.00	6,265.00	6,265.00	134.57	21.77	-90.00	9,805.66	3,614.97	2,996.10	2,890.04	106.06	28.250	
13,700.00	6,227.00	6,265.00	6,265.00	136.05	21.77	-90.00	9,805.66	3,614.97	2,896.18	2,789.96	106.22	27.267	
13,800.00	6,227.00	6,265.00	6,265.00	137.54	21.77	-90.00	9,805.66	3,614.97	2,796.26	2,689.87	106.39	26.284	
13,900.00	6,227.00	6,265.00	6,265.00	139.05	21.77	-90.00	9,805.66	3,614.97	2,696.35	2,589.78	106.57	25.302	
14,000.00	6,227.00	6,265.00	6,265.00	140.56	21.77	-90.00	9,805.66	3,614.97	2,596.45	2,489.68	106.76	24.320	
14,100.00	6,227.00	6,265.00	6,265.00	142.07	21.77	-90.00	9,805.66	3,614.97	2,496.55	2,389.58	106.97	23.338	
14,200.00	6,227.00	6,265.00	6,265.00	143.60	21.77	-90.00	9,805.66	3,614.97	2,396.66	2,289.46	107.20	22.357	
14,300.00	6,227.00	6,265.00	6,265.00	145.14	21.77	-90.00	9,805.66	3,614.97	2,296.78	2,189.34	107.44	21.377	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 24-T5N-R63W - ABND VERT MONAHAN FARR 1 - OWB - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-GYRO-MWD												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,400.00	6,227.00	6,265.00	6,265.00	146.68	21.77	-90.00	9,805.66	3,614.97	2,196.91	2,089.21	107.71	20.397	
14,500.00	6,227.00	6,265.00	6,265.00	148.23	21.77	-90.00	9,805.66	3,614.97	2,097.06	1,989.06	108.00	19.418	
14,600.00	6,227.00	6,265.00	6,265.00	149.78	21.77	-90.00	9,805.66	3,614.97	1,997.22	1,888.90	108.32	18.439	
14,700.00	6,227.00	6,265.00	6,265.00	151.35	21.77	-90.00	9,805.66	3,614.97	1,897.40	1,788.73	108.67	17.461	
14,800.00	6,227.00	6,265.00	6,265.00	152.91	21.77	-90.00	9,805.66	3,614.97	1,797.59	1,688.54	109.06	16.483	
14,900.00	6,227.00	6,265.00	6,265.00	154.49	21.77	-90.00	9,805.66	3,614.97	1,697.81	1,588.32	109.49	15.507	
15,000.00	6,227.00	6,265.00	6,265.00	156.07	21.77	-90.00	9,805.66	3,614.97	1,598.06	1,488.08	109.98	14.531	
15,100.00	6,227.00	6,265.00	6,265.00	157.65	21.77	-90.00	9,805.66	3,614.97	1,498.34	1,387.81	110.53	13.556	
15,200.00	6,227.00	6,265.00	6,265.00	159.24	21.77	-90.00	9,805.66	3,614.97	1,398.66	1,287.50	111.16	12.583	
15,300.00	6,227.00	6,265.00	6,265.00	160.84	21.77	-90.00	9,805.66	3,614.97	1,299.03	1,187.14	111.88	11.610	
15,400.00	6,227.00	6,265.00	6,265.00	162.44	21.77	-90.00	9,805.66	3,614.97	1,199.46	1,086.72	112.73	10.640	
15,500.00	6,227.00	6,265.00	6,265.00	164.05	21.77	-90.00	9,805.66	3,614.97	1,099.96	986.22	113.74	9.671	
15,600.00	6,227.00	6,265.00	6,265.00	165.66	21.77	-90.00	9,805.66	3,614.97	1,000.57	885.63	114.95	8.705	
15,700.00	6,227.00	6,265.00	6,265.00	167.27	21.77	-90.00	9,805.66	3,614.97	901.32	784.89	116.43	7.742	
15,800.00	6,227.00	6,265.00	6,265.00	168.89	21.77	-90.00	9,805.66	3,614.97	802.25	683.97	118.28	6.783	
15,900.00	6,227.00	6,265.00	6,265.00	170.51	21.77	-90.00	9,805.66	3,614.97	703.44	582.77	120.67	5.829	
16,000.00	6,227.00	6,265.00	6,265.00	172.14	21.77	-90.00	9,805.66	3,614.97	605.02	481.17	123.85	4.885	
16,100.00	6,227.00	6,265.00	6,265.00	173.77	21.77	-90.00	9,805.66	3,614.97	507.22	378.94	128.29	3.954	
16,200.00	6,227.00	6,265.00	6,265.00	175.40	21.77	-90.00	9,805.66	3,614.97	410.49	275.67	134.82	3.045	
16,300.00	6,227.00	6,265.00	6,265.00	177.04	21.77	-90.00	9,805.66	3,614.97	315.80	170.66	145.14	2.176	
16,400.00	6,227.00	6,265.00	6,265.00	178.68	21.77	-90.00	9,805.66	3,614.97	225.73	62.98	162.75	1.387	Level 3
16,500.00	6,227.00	6,265.00	6,265.00	180.32	21.77	-90.00	9,805.66	3,614.97	148.93	-42.48	191.41	0.778	Level 1
16,593.87	6,227.00	6,265.00	6,265.00	181.86	21.77	-90.00	9,805.66	3,614.97	115.62	-80.41	196.03	0.590	Level 1, CC, ES, SF
16,600.00	6,227.00	6,265.00	6,265.00	181.96	21.77	-90.00	9,805.66	3,614.97	115.79	-77.59	193.38	0.599	Level 1
16,700.00	6,227.00	6,265.00	6,265.00	183.61	21.77	-90.00	9,805.66	3,614.97	156.95	28.05	128.90	1.218	Level 2
16,800.00	6,227.00	6,265.00	6,265.00	185.27	21.77	-90.00	9,805.66	3,614.97	236.34	141.06	95.28	2.480	
16,900.00	6,227.00	6,265.00	6,265.00	186.92	21.77	-90.00	9,805.66	3,614.97	327.24	240.45	86.79	3.770	
17,000.00	6,227.00	6,265.00	6,265.00	188.58	21.77	-90.00	9,805.66	3,614.97	422.27	336.28	85.99	4.911	
17,100.00	6,227.00	6,265.00	6,265.00	190.24	21.77	-90.00	9,805.66	3,614.97	519.17	432.07	87.10	5.961	
17,200.00	6,227.00	6,265.00	6,265.00	191.90	21.77	-90.00	9,805.66	3,614.97	617.06	528.51	88.55	6.969	
17,300.00	6,227.00	6,265.00	6,265.00	193.57	21.77	-90.00	9,805.66	3,614.97	715.53	625.61	89.92	7.957	
17,348.07	6,227.00	6,265.00	6,265.00	194.37	21.77	-90.00	9,805.66	3,614.97	763.01	672.48	90.53	8.428	



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
2,300.00	2,126.22	2,200.00	2,199.85	16.24	7.54	-75.32	9,863.05	2,867.91	10,022.87	9,999.62	23.25	431.002	
2,400.00	2,207.00	2,269.36	2,269.20	17.50	7.78	-75.55	9,862.79	2,867.34	10,004.23	9,979.50	24.72	404.671	
2,500.00	2,287.78	2,348.85	2,348.69	18.77	8.06	-75.82	9,862.70	2,866.51	9,986.06	9,959.83	26.23	380.648	
2,600.00	2,368.56	2,430.72	2,430.55	20.04	8.34	-76.10	9,862.55	2,865.43	9,968.12	9,940.36	27.76	359.029	
2,700.00	2,449.34	2,500.00	2,499.83	21.31	8.59	-76.34	9,862.55	2,864.52	9,950.64	9,921.38	29.26	340.091	
2,800.00	2,530.12	2,570.67	2,570.49	22.59	8.83	-76.58	9,862.58	2,863.73	9,933.57	9,902.80	30.76	322.887	
2,900.00	2,610.90	2,640.18	2,640.00	23.88	9.07	-76.81	9,862.59	2,863.11	9,916.84	9,884.57	32.27	307.279	
3,000.00	2,691.68	2,702.69	2,702.51	25.16	9.29	-77.03	9,862.73	2,862.49	9,900.59	9,866.82	33.76	293.236	
3,100.00	2,772.46	2,801.43	2,801.24	26.45	9.64	-77.36	9,862.90	2,861.69	9,884.66	9,849.28	35.38	279.367	
3,200.00	2,853.23	2,870.29	2,870.10	27.74	9.88	-77.60	9,863.00	2,861.15	9,869.04	9,832.14	36.90	267.422	
3,300.00	2,934.01	2,959.40	2,959.20	29.03	10.19	-77.90	9,863.20	2,860.22	9,853.80	9,815.30	38.50	255.941	
3,400.00	3,014.79	3,045.12	3,044.93	30.32	10.49	-78.20	9,863.24	2,859.53	9,838.78	9,798.69	40.09	245.425	
3,500.00	3,095.57	3,115.28	3,115.08	31.61	10.73	-78.44	9,863.29	2,859.04	9,824.13	9,782.50	41.63	235.999	
3,600.00	3,176.35	3,174.97	3,174.77	32.91	10.94	-78.64	9,863.42	2,858.73	9,809.96	9,766.82	43.13	227.429	
3,700.00	3,257.13	3,240.71	3,240.51	34.20	11.17	-78.87	9,863.67	2,858.56	9,796.28	9,751.61	44.66	219.332	
3,800.00	3,337.91	3,319.43	3,319.23	35.50	11.44	-79.14	9,864.02	2,858.61	9,783.03	9,736.79	46.24	211.566	
3,900.00	3,418.69	3,431.58	3,431.38	36.80	11.83	-79.52	9,864.25	2,858.90	9,769.93	9,721.99	47.93	203.817	
4,000.00	3,499.47	3,500.00	3,499.80	38.09	12.07	-79.76	9,864.28	2,859.07	9,757.06	9,707.57	49.48	197.179	
4,100.00	3,580.25	3,572.34	3,572.13	39.39	12.32	-80.00	9,864.39	2,859.29	9,744.60	9,693.56	51.05	190.894	
4,200.00	3,661.03	3,640.57	3,640.37	40.69	12.56	-80.24	9,864.64	2,859.56	9,732.67	9,680.07	52.60	185.034	
4,300.00	3,741.81	3,729.30	3,729.09	41.99	12.86	-80.54	9,865.04	2,859.64	9,721.11	9,666.89	54.22	179.278	
4,400.00	3,822.58	3,827.93	3,827.73	43.29	13.21	-80.88	9,865.22	2,859.75	9,709.68	9,653.79	55.88	173.748	
4,500.00	3,903.36	3,900.00	3,899.80	44.59	13.46	-81.13	9,865.44	2,859.85	9,698.69	9,641.23	57.46	168.804	
4,600.00	3,984.14	3,964.36	3,964.16	45.89	13.68	-81.35	9,865.72	2,859.96	9,688.14	9,629.14	59.00	164.199	
4,700.00	4,064.92	4,048.87	4,048.66	47.20	13.97	-81.65	9,866.07	2,860.17	9,677.94	9,617.32	60.62	159.650	
4,800.00	4,145.70	4,140.70	4,140.49	48.50	14.29	-81.96	9,866.38	2,860.41	9,668.03	9,605.77	62.26	155.277	
4,900.00	4,226.48	4,228.46	4,228.25	49.80	14.60	-82.27	9,866.59	2,860.37	9,658.36	9,594.47	63.89	151.161	
5,000.00	4,307.26	4,300.00	4,299.79	51.10	14.85	-82.52	9,866.77	2,860.48	9,649.07	9,583.60	65.47	147.378	
5,100.00	4,388.04	4,355.09	4,354.88	52.40	15.04	-82.71	9,867.01	2,860.55	9,640.28	9,573.29	66.99	143.899	
5,200.00	4,468.82	4,483.38	4,483.17	53.71	15.49	-83.16	9,867.69	2,860.78	9,632.01	9,563.25	68.77	140.070	
5,300.00	4,549.60	4,539.33	4,539.11	55.01	15.68	-83.35	9,867.71	2,861.58	9,623.68	9,553.39	70.29	136.910	
5,400.00	4,630.38	4,600.00	4,599.78	56.31	15.89	-83.56	9,868.10	2,861.97	9,616.07	9,544.24	71.83	133.864	
5,500.00	4,711.16	4,651.64	4,651.42	57.62	16.07	-83.74	9,868.57	2,862.09	9,609.01	9,535.66	73.35	131.010	
5,600.00	4,791.93	4,759.35	4,759.12	58.92	16.45	-84.11	9,869.35	2,862.64	9,602.21	9,527.16	75.05	127.944	
5,700.00	4,872.71	4,896.89	4,896.65	60.23	16.93	-84.59	9,869.52	2,864.27	9,595.21	9,518.35	76.86	124.846	
5,800.00	4,953.49	4,956.34	4,956.10	61.53	17.13	-84.80	9,869.44	2,864.73	9,588.46	9,510.07	78.40	122.309	
5,900.00	5,034.27	5,057.12	5,056.87	62.83	17.49	-85.15	9,869.65	2,864.58	9,582.32	9,502.24	80.08	119.666	
6,000.00	5,115.05	5,178.55	5,178.30	64.14	17.91	-85.58	9,869.20	2,864.79	9,575.97	9,494.15	81.83	117.030	
6,100.00	5,195.83	5,272.76	5,272.52	65.44	18.24	-85.91	9,868.79	2,865.45	9,570.01	9,486.53	83.48	114.636	
6,200.00	5,276.61	5,390.54	5,390.28	66.75	18.65	-86.32	9,867.91	2,865.32	9,564.14	9,478.93	85.22	112.234	
6,300.00	5,357.39	5,432.11	5,431.86	68.05	18.80	-86.47	9,867.57	2,865.13	9,558.62	9,471.92	86.69	110.256	
6,400.00	5,438.17	5,466.90	5,466.64	69.36	18.92	-86.59	9,867.46	2,864.88	9,553.84	9,465.69	88.15	108.385	
6,500.00	5,518.95	5,500.00	5,499.74	70.66	19.03	-86.71	9,867.51	2,864.55	9,549.82	9,460.23	89.59	106.593	
6,600.00	5,599.73	5,552.85	5,552.59	71.97	19.22	-86.90	9,867.79	2,864.09	9,546.47	9,455.37	91.10	104.791	
6,700.00	5,680.51	5,609.29	5,609.03	73.27	19.41	-87.10	9,868.29	2,863.89	9,543.75	9,451.13	92.62	103.043	
6,800.00	5,761.29	5,780.46	5,780.18	74.58	20.01	-87.72	9,869.20	2,861.50	9,541.24	9,446.70	94.54	100.926	
6,837.84	5,791.85	5,788.17	5,787.89	75.07	20.04	-87.75	9,869.15	2,861.33	9,540.17	9,445.11	95.06	100.355	
6,850.00	5,801.67	5,820.46	5,820.17	75.23	20.15	-86.21	9,869.15	2,860.72	9,539.70	9,444.36	95.34	100.064	
6,900.00	5,841.80	5,843.91	5,843.62	75.88	20.23	-79.69	9,869.16	2,860.32	9,535.22	9,439.15	96.07	99.249	
6,950.00	5,881.33	5,867.12	5,866.82	76.52	20.32	-73.63	9,869.21	2,859.99	9,526.58	9,429.79	96.80	98.418	
7,000.00	5,919.97	5,900.00	5,899.70	77.14	20.43	-68.18	9,869.35	2,859.62	9,513.86	9,416.32	97.54	97.542	

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
7,050.00	5,957.41	5,923.58	5,923.28	77.74	20.51	-63.37	9,869.49	2,859.40	9,497.09	9,398.87	98.22	96.696	
7,100.00	5,993.37	5,965.13	5,964.83	78.32	20.66	-59.29	9,869.70	2,859.03	9,476.37	9,377.44	98.93	95.791	
7,150.00	6,027.59	6,004.70	6,004.40	78.86	20.80	-55.87	9,869.88	2,858.72	9,451.83	9,352.23	99.60	94.901	
7,200.00	6,059.79	6,030.07	6,029.76	79.36	20.88	-53.00	9,870.00	2,858.53	9,423.67	9,323.49	100.18	94.069	
7,250.00	6,089.73	6,054.97	6,054.66	79.83	20.97	-50.70	9,870.14	2,858.35	9,392.11	9,291.39	100.72	93.253	
7,300.00	6,117.20	6,077.87	6,077.57	80.25	21.05	-48.94	9,870.27	2,858.20	9,357.38	9,256.17	101.20	92.461	
7,350.00	6,141.96	6,100.00	6,099.69	80.63	21.13	-47.72	9,870.42	2,858.06	9,319.72	9,218.08	101.64	91.690	
7,400.00	6,163.85	6,100.00	6,099.69	80.98	21.13	-46.90	9,870.42	2,858.06	9,279.42	9,177.46	101.96	91.010	
7,450.00	6,182.69	6,100.00	6,099.69	81.28	21.13	-46.65	9,870.42	2,858.06	9,236.80	9,134.57	102.23	90.350	
7,500.00	6,198.33	6,100.00	6,099.69	81.54	21.13	-47.13	9,870.42	2,858.06	9,192.14	9,089.68	102.46	89.713	
7,550.00	6,210.67	6,100.00	6,099.69	81.77	21.13	-48.64	9,870.42	2,858.06	9,145.76	9,043.11	102.65	89.098	
7,600.00	6,219.60	6,100.00	6,099.69	81.96	21.13	-51.92	9,870.42	2,858.06	9,097.98	8,995.19	102.79	88.506	
7,650.00	6,225.05	6,100.00	6,099.69	82.11	21.13	-59.12	9,870.42	2,858.06	9,049.15	8,946.25	102.90	87.938	
7,702.53	6,227.00	6,100.00	6,099.69	82.24	21.13	-80.23	9,870.42	2,858.06	8,997.12	8,894.14	102.98	87.367	
7,800.00	6,227.00	6,100.00	6,099.69	82.45	21.13	-80.23	9,870.42	2,858.06	8,900.13	8,797.04	103.09	86.335	
7,900.00	6,227.00	6,100.00	6,099.69	82.68	21.13	-80.23	9,870.42	2,858.06	8,800.63	8,697.43	103.20	85.275	
8,000.00	6,227.00	6,100.00	6,099.69	82.93	21.13	-80.23	9,870.42	2,858.06	8,701.14	8,597.82	103.32	84.216	
8,100.00	6,227.00	6,100.00	6,099.69	83.20	21.13	-80.23	9,870.42	2,858.06	8,601.67	8,498.23	103.44	83.157	
8,200.00	6,227.00	6,100.00	6,099.69	83.49	21.13	-80.23	9,870.42	2,858.06	8,502.21	8,398.64	103.56	82.098	
8,300.00	6,227.00	6,100.00	6,099.69	83.80	21.13	-80.23	9,870.42	2,858.06	8,402.76	8,299.07	103.69	81.038	
8,400.00	6,227.00	6,100.00	6,099.69	84.12	21.13	-80.23	9,870.42	2,858.06	8,303.32	8,199.50	103.82	79.979	
8,500.00	6,227.00	6,100.00	6,099.69	84.47	21.13	-80.23	9,870.42	2,858.06	8,203.90	8,099.95	103.95	78.921	
8,600.00	6,227.00	6,100.00	6,099.69	84.83	21.13	-80.23	9,870.42	2,858.06	8,104.49	8,000.40	104.09	77.862	
8,700.00	6,227.00	6,100.00	6,099.69	85.22	21.13	-80.23	9,870.42	2,858.06	8,005.10	7,900.87	104.23	76.803	
8,800.00	6,227.00	6,100.00	6,099.69	85.62	21.13	-80.23	9,870.42	2,858.06	7,905.72	7,801.34	104.37	75.745	
8,900.00	6,227.00	6,100.00	6,099.69	86.05	21.13	-80.23	9,870.42	2,858.06	7,806.35	7,701.83	104.52	74.687	
9,000.00	6,227.00	6,100.00	6,099.69	86.51	21.13	-80.23	9,870.42	2,858.06	7,707.01	7,602.33	104.67	73.629	
9,100.00	6,227.00	6,100.00	6,099.69	86.98	21.13	-80.23	9,870.42	2,858.06	7,607.68	7,502.85	104.83	72.571	
9,200.00	6,227.00	6,100.00	6,099.69	87.49	21.13	-80.23	9,870.42	2,858.06	7,508.37	7,403.38	104.99	71.513	
9,300.00	6,227.00	6,100.00	6,099.69	88.01	21.13	-80.23	9,870.42	2,858.06	7,409.08	7,303.92	105.16	70.456	
9,400.00	6,227.00	6,100.00	6,099.69	88.56	21.13	-80.23	9,870.42	2,858.06	7,309.80	7,204.47	105.33	69.399	
9,500.00	6,227.00	6,100.00	6,099.69	89.14	21.13	-80.23	9,870.42	2,858.06	7,210.55	7,105.04	105.51	68.342	
9,600.00	6,227.00	6,100.00	6,099.69	89.75	21.13	-80.23	9,870.42	2,858.06	7,111.32	7,005.63	105.69	67.286	
9,700.00	6,227.00	6,100.00	6,099.69	90.38	21.13	-80.23	9,870.42	2,858.06	7,012.11	6,906.23	105.87	66.230	
9,800.00	6,227.00	6,100.00	6,099.69	91.04	21.13	-80.23	9,870.42	2,858.06	6,912.92	6,806.85	106.07	65.175	
9,900.00	6,227.00	6,100.00	6,099.69	91.73	21.13	-80.23	9,870.42	2,858.06	6,813.75	6,707.49	106.27	64.119	
10,000.00	6,227.00	6,100.00	6,099.69	92.44	21.13	-80.23	9,870.42	2,858.06	6,714.62	6,608.14	106.47	63.065	
10,100.00	6,227.00	6,100.00	6,099.69	93.19	21.13	-80.23	9,870.42	2,858.06	6,615.50	6,508.82	106.68	62.011	
10,200.00	6,227.00	6,100.00	6,099.69	93.96	21.13	-80.23	9,870.42	2,858.06	6,516.42	6,409.51	106.90	60.957	
10,300.00	6,227.00	6,100.00	6,099.69	94.76	21.13	-80.23	9,870.42	2,858.06	6,417.36	6,310.23	107.13	59.904	
10,400.00	6,227.00	6,100.00	6,099.69	95.59	21.13	-80.23	9,870.42	2,858.06	6,318.33	6,210.97	107.36	58.852	
10,500.00	6,227.00	6,100.00	6,099.69	96.45	21.13	-80.23	9,870.42	2,858.06	6,219.33	6,111.73	107.60	57.800	
10,600.00	6,227.00	6,100.00	6,099.69	97.34	21.13	-80.23	9,870.42	2,858.06	6,120.37	6,012.52	107.85	56.749	
10,700.00	6,227.00	6,100.00	6,099.69	98.26	21.13	-80.23	9,870.42	2,858.06	6,021.44	5,913.33	108.11	55.698	
10,800.00	6,227.00	6,100.00	6,099.69	99.20	21.13	-80.23	9,870.42	2,858.06	5,922.54	5,814.17	108.38	54.649	
10,900.00	6,227.00	6,100.00	6,099.69	100.18	21.13	-80.23	9,870.42	2,858.06	5,823.69	5,715.04	108.65	53.600	
11,000.00	6,227.00	6,100.00	6,099.69	101.18	21.13	-80.23	9,870.42	2,858.06	5,724.87	5,615.93	108.94	52.552	
11,100.00	6,227.00	6,100.00	6,099.69	102.20	21.13	-80.23	9,870.42	2,858.06	5,626.10	5,516.86	109.24	51.504	
11,200.00	6,227.00	6,100.00	6,099.69	103.26	21.13	-80.23	9,870.42	2,858.06	5,527.37	5,417.82	109.54	50.458	
11,300.00	6,227.00	6,100.00	6,099.69	104.33	21.13	-80.23	9,870.42	2,858.06	5,428.68	5,318.82	109.86	49.413	
11,400.00	6,227.00	6,100.00	6,099.69	105.44	21.13	-80.23	9,870.42	2,858.06	5,330.05	5,219.85	110.20	48.369	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
11,500.00	6,227.00	6,100.00	6,099.69	106.57	21.13	-80.23	9,870.42	2,858.06	5,231.46	5,120.92	110.54	47.326		
11,600.00	6,227.00	6,100.00	6,099.69	107.72	21.13	-80.23	9,870.42	2,858.06	5,132.93	5,022.03	110.90	46.284		
11,700.00	6,227.00	6,100.00	6,099.69	108.89	21.13	-80.23	9,870.42	2,858.06	5,034.46	4,923.19	111.27	45.244		
11,800.00	6,227.00	6,100.00	6,099.69	110.09	21.13	-80.23	9,870.42	2,858.06	4,936.05	4,824.39	111.66	44.205		
11,900.00	6,227.00	6,100.00	6,099.69	111.31	21.13	-80.23	9,870.42	2,858.06	4,837.71	4,725.64	112.07	43.167		
12,000.00	6,227.00	6,100.00	6,099.69	112.54	21.13	-80.23	9,870.42	2,858.06	4,739.43	4,626.94	112.49	42.131		
12,100.00	6,227.00	6,100.00	6,099.69	113.80	21.13	-80.23	9,870.42	2,858.06	4,641.23	4,528.30	112.94	41.096		
12,200.00	6,227.00	6,100.00	6,099.69	115.08	21.13	-80.23	9,870.42	2,858.06	4,543.11	4,429.71	113.40	40.063		
12,300.00	6,227.00	6,100.00	6,099.69	116.37	21.13	-80.23	9,870.42	2,858.06	4,445.07	4,331.19	113.88	39.033		
12,400.00	6,227.00	6,100.00	6,099.69	117.69	21.13	-80.23	9,870.42	2,858.06	4,347.12	4,232.74	114.39	38.004		
12,500.00	6,227.00	6,100.00	6,099.69	119.02	21.13	-80.23	9,870.42	2,858.06	4,249.27	4,134.35	114.92	36.977		
12,600.00	6,227.00	6,100.00	6,099.69	120.36	21.13	-80.23	9,870.42	2,858.06	4,151.52	4,036.04	115.47	35.952		
12,700.00	6,227.00	6,100.00	6,099.69	121.72	21.13	-80.23	9,870.42	2,858.06	4,053.87	3,937.82	116.06	34.930		
12,800.00	6,227.00	6,100.00	6,099.69	123.10	21.13	-80.23	9,870.42	2,858.06	3,956.35	3,839.68	116.67	33.911		
12,900.00	6,227.00	6,100.00	6,099.69	124.49	21.13	-80.23	9,870.42	2,858.06	3,858.95	3,741.64	117.31	32.894		
13,000.00	6,227.00	6,100.00	6,099.69	125.89	21.13	-80.23	9,870.42	2,858.06	3,761.69	3,643.70	117.99	31.881		
13,100.00	6,227.00	6,100.00	6,099.69	127.31	21.13	-80.23	9,870.42	2,858.06	3,664.58	3,545.87	118.71	30.870		
13,200.00	6,227.00	6,100.00	6,099.69	128.74	21.13	-80.23	9,870.42	2,858.06	3,567.62	3,448.16	119.47	29.863		
13,300.00	6,227.00	6,100.00	6,099.69	130.18	21.13	-80.23	9,870.42	2,858.06	3,470.84	3,350.58	120.26	28.860		
13,400.00	6,227.00	6,100.00	6,099.69	131.63	21.13	-80.23	9,870.42	2,858.06	3,374.25	3,253.14	121.11	27.861		
13,500.00	6,227.00	6,100.00	6,099.69	133.09	21.13	-80.23	9,870.42	2,858.06	3,277.86	3,155.85	122.01	26.866		
13,600.00	6,227.00	6,100.00	6,099.69	134.57	21.13	-80.23	9,870.42	2,858.06	3,181.69	3,058.74	122.96	25.876		
13,700.00	6,227.00	6,100.00	6,099.69	136.05	21.13	-80.23	9,870.42	2,858.06	3,085.77	2,961.80	123.97	24.892		
13,800.00	6,227.00	6,100.00	6,099.69	137.54	21.13	-80.23	9,870.42	2,858.06	2,990.12	2,865.07	125.04	23.913		
13,900.00	6,227.00	6,100.00	6,099.69	139.05	21.13	-80.23	9,870.42	2,858.06	2,894.75	2,768.57	126.19	22.940		
14,000.00	6,227.00	6,100.00	6,099.69	140.56	21.13	-80.23	9,870.42	2,858.06	2,799.72	2,672.30	127.41	21.974		
14,100.00	6,227.00	6,100.00	6,099.69	142.07	21.13	-80.23	9,870.42	2,858.06	2,705.04	2,576.32	128.72	21.015		
14,200.00	6,227.00	6,100.00	6,099.69	143.60	21.13	-80.23	9,870.42	2,858.06	2,610.75	2,480.63	130.12	20.064		
14,300.00	6,227.00	6,100.00	6,099.69	145.14	21.13	-80.23	9,870.42	2,858.06	2,516.91	2,385.29	131.62	19.123		
14,400.00	6,227.00	6,100.00	6,099.69	146.68	21.13	-80.23	9,870.42	2,858.06	2,423.56	2,290.33	133.23	18.191		
14,500.00	6,227.00	6,100.00	6,099.69	148.23	21.13	-80.23	9,870.42	2,858.06	2,330.76	2,195.80	134.96	17.269		
14,600.00	6,227.00	6,100.00	6,099.69	149.78	21.13	-80.23	9,870.42	2,858.06	2,238.58	2,101.75	136.83	16.360		
14,700.00	6,227.00	6,100.00	6,099.69	151.35	21.13	-80.23	9,870.42	2,858.06	2,147.11	2,008.26	138.85	15.464		
14,800.00	6,227.00	6,100.00	6,099.69	152.91	21.13	-80.23	9,870.42	2,858.06	2,056.42	1,915.40	141.02	14.582		
14,900.00	6,227.00	6,100.00	6,099.69	154.49	21.13	-80.23	9,870.42	2,858.06	1,966.64	1,823.27	143.37	13.717		
15,000.00	6,227.00	6,100.00	6,099.69	156.07	21.13	-80.23	9,870.42	2,858.06	1,877.90	1,731.98	145.92	12.869		
15,100.00	6,227.00	6,100.00	6,099.69	157.65	21.13	-80.23	9,870.42	2,858.06	1,790.34	1,641.66	148.67	12.042		
15,200.00	6,227.00	6,100.00	6,099.69	159.24	21.13	-80.23	9,870.42	2,858.06	1,704.14	1,552.49	151.65	11.237		
15,300.00	6,227.00	6,100.00	6,099.69	160.84	21.13	-80.23	9,870.42	2,858.06	1,619.54	1,464.67	154.87	10.457		
15,400.00	6,227.00	6,100.00	6,099.69	162.44	21.13	-80.23	9,870.42	2,858.06	1,536.79	1,378.45	158.34	9.705		
15,500.00	6,227.00	6,100.00	6,099.69	164.05	21.13	-80.23	9,870.42	2,858.06	1,456.21	1,294.14	162.07	8.985		
15,600.00	6,227.00	6,100.00	6,099.69	165.66	21.13	-80.23	9,870.42	2,858.06	1,378.17	1,212.12	166.05	8.300		
15,700.00	6,227.00	6,100.00	6,099.69	167.27	21.13	-80.23	9,870.42	2,858.06	1,303.13	1,132.88	170.25	7.654		
15,800.00	6,227.00	6,100.00	6,099.69	168.89	21.13	-80.23	9,870.42	2,858.06	1,231.65	1,057.02	174.63	7.053		
15,900.00	6,227.00	6,100.00	6,099.69	170.51	21.13	-80.23	9,870.42	2,858.06	1,164.37	985.27	179.11	6.501		
16,000.00	6,227.00	6,100.00	6,099.69	172.14	21.13	-80.23	9,870.42	2,858.06	1,102.08	918.54	183.54	6.005		
16,100.00	6,227.00	6,100.00	6,099.69	173.77	21.13	-80.23	9,870.42	2,858.06	1,045.65	857.92	187.73	5.570		
16,200.00	6,227.00	6,100.00	6,099.69	175.40	21.13	-80.23	9,870.42	2,858.06	996.09	804.68	191.41	5.204		
16,300.00	6,227.00	6,100.00	6,099.69	177.04	21.13	-80.23	9,870.42	2,858.06	954.46	760.23	194.24	4.914		
16,400.00	6,227.00	6,100.00	6,099.69	178.68	21.13	-80.23	9,870.42	2,858.06	921.85	726.01	195.84	4.707		
16,500.00	6,227.00	6,100.00	6,099.69	180.32	21.13	-80.23	9,870.42	2,858.06	899.23	703.35	195.88	4.591		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 24-T5N-R63W - ABND VERT MONAHAN FEDERAL 24 (GYRO) - OWB - GYRO													<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 100-GYRO-MWD													<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,600.00	6,227.00	6,100.00	6,099.69	181.96	21.13	-80.23	9,870.42	2,858.06	887.37	693.28	194.09	4.572 ES, SF		
16,655.96	6,227.00	6,100.00	6,099.69	182.89	21.13	-80.23	9,870.42	2,858.06	885.61	693.34	192.26	4.606 CC		
16,700.00	6,227.00	6,100.00	6,099.69	183.61	21.13	-80.23	9,870.42	2,858.06	886.70	696.28	190.42	4.657		
16,800.00	6,227.00	6,100.00	6,099.69	185.27	21.13	-80.23	9,870.42	2,858.06	897.24	712.24	185.00	4.850		
16,900.00	6,227.00	6,100.00	6,099.69	186.92	21.13	-80.23	9,870.42	2,858.06	918.62	740.42	178.20	5.155		
17,000.00	6,227.00	6,100.00	6,099.69	188.58	21.13	-80.23	9,870.42	2,858.06	950.09	779.62	170.46	5.574		
17,100.00	6,227.00	6,100.00	6,099.69	190.24	21.13	-80.23	9,870.42	2,858.06	990.69	828.42	162.27	6.105		
17,200.00	6,227.00	6,100.00	6,099.69	191.90	21.13	-80.23	9,870.42	2,858.06	1,039.37	885.31	154.06	6.747		
17,300.00	6,227.00	6,100.00	6,099.69	193.57	21.13	-80.23	9,870.42	2,858.06	1,095.03	948.90	146.13	7.494		
17,348.07	6,227.00	6,100.00	6,099.69	194.37	21.13	-80.23	9,870.42	2,858.06	1,123.97	981.48	142.49	7.888		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE 24-21-24HZ - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 511-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	15.71	15.71	0.00	0.03	6.75	6,061.75	717.70	6,104.09				
100.00	100.00	120.44	120.44	0.27	0.21	6.75	6,061.69	717.74	6,104.04	6,103.56	0.48	N/A	
200.00	200.00	225.17	225.17	0.63	0.39	6.75	6,061.55	717.85	6,103.91	6,102.89	1.02	5,989.178	
300.00	299.98	329.89	329.88	0.98	0.57	-77.48	6,061.31	718.03	6,103.33	6,101.78	1.55	3,927.266	
400.00	399.84	434.48	434.48	1.34	0.76	-77.55	6,060.98	718.28	6,101.91	6,099.82	2.09	2,916.211	
500.00	499.45	539.78	539.78	1.71	0.99	-77.68	6,060.56	718.58	6,099.67	6,096.97	2.70	2,260.134	
600.00	598.70	636.04	636.03	2.10	1.33	-77.84	6,060.11	718.72	6,096.62	6,093.19	3.43	1,777.761	
700.00	697.47	715.00	715.00	2.51	1.61	-78.02	6,059.96	718.65	6,093.11	6,088.99	4.12	1,480.187	
800.00	795.62	1,289.02	1,288.28	2.95	3.66	-79.15	6,036.97	720.99	6,085.29	6,078.71	6.58	924.397	
900.00	893.06	1,358.00	1,356.95	3.44	3.92	-79.50	6,031.31	724.12	6,073.18	6,065.87	7.31	830.925	
1,000.00	989.64	1,428.65	1,427.22	3.96	4.19	-79.86	6,025.69	728.78	6,060.94	6,052.85	8.08	749.734	
1,100.00	1,085.27	1,613.84	1,611.06	4.54	4.90	-80.48	6,009.81	744.41	6,047.70	6,038.37	9.33	648.506	
1,200.00	1,179.82	1,801.21	1,796.42	5.16	5.65	-81.17	5,990.29	763.55	6,032.15	6,021.50	10.64	566.702	
1,300.00	1,273.17	1,923.26	1,917.02	5.85	6.16	-81.79	5,976.61	776.37	6,015.61	6,003.83	11.78	510.489	
1,400.00	1,365.21	2,049.89	2,042.11	6.59	6.69	-82.49	5,961.62	789.20	5,998.00	5,985.00	13.00	461.249	
1,500.00	1,455.84	2,122.55	2,113.93	7.40	7.00	-83.07	5,953.09	796.08	5,980.20	5,966.12	14.09	424.576	
1,600.00	1,544.94	2,196.00	2,186.58	8.28	7.31	-83.69	5,944.78	803.03	5,962.55	5,947.32	15.24	391.310	
1,700.00	1,632.39	2,266.99	2,256.81	9.23	7.61	-84.32	5,936.98	809.79	5,945.04	5,928.59	16.45	361.351	
1,800.00	1,718.11	2,450.10	2,437.92	10.25	8.39	-85.46	5,915.65	826.28	5,926.90	5,908.75	18.15	326.526	
1,900.00	1,801.97	2,677.75	2,662.68	11.35	9.39	-86.91	5,885.19	845.82	5,907.59	5,887.51	20.08	294.258	
2,005.96	1,888.70	2,754.26	2,738.08	12.60	9.73	-87.74	5,874.04	852.42	5,885.85	5,864.25	21.61	272.417	
2,100.00	1,964.66	2,794.65	2,777.91	13.75	9.91	-87.94	5,868.28	855.89	5,867.14	5,844.22	22.91	256.064	
2,200.00	2,045.44	2,851.00	2,833.56	14.99	10.16	-88.24	5,860.71	860.46	5,848.29	5,823.93	24.37	240.019	
2,300.00	2,126.22	2,885.06	2,867.23	16.24	10.30	-88.42	5,856.36	863.19	5,830.39	5,804.64	25.75	226.381	
2,400.00	2,207.00	2,944.00	2,925.50	17.50	10.56	-88.72	5,849.09	868.22	5,813.44	5,786.20	27.24	213.410	
2,500.00	2,287.78	2,977.72	2,958.85	18.77	10.71	-88.90	5,845.15	871.16	5,797.48	5,768.83	28.65	202.369	
2,600.00	2,368.56	3,038.00	3,018.58	20.04	10.96	-89.21	5,838.71	876.18	5,782.76	5,752.60	30.15	191.775	
2,700.00	2,449.34	3,057.55	3,037.97	21.31	11.05	-89.32	5,836.77	877.76	5,768.97	5,737.44	31.52	183.001	
2,800.00	2,530.12	3,108.68	3,088.70	22.59	11.26	-89.59	5,831.91	881.87	5,756.28	5,723.27	33.01	174.396	
2,900.00	2,610.90	3,169.49	3,149.07	23.88	11.51	-89.91	5,826.45	886.76	5,744.51	5,709.98	34.53	166.382	
3,000.00	2,691.68	3,244.26	3,223.30	25.16	11.82	-90.30	5,819.96	892.98	5,733.46	5,697.37	36.10	158.841	
3,100.00	2,772.46	3,789.00	3,760.25	26.45	14.27	-93.12	5,750.03	949.66	5,717.77	5,678.54	39.22	145.769	
3,200.00	2,853.23	3,850.56	3,820.59	27.74	14.56	-93.44	5,740.01	956.57	5,701.00	5,660.24	40.76	139.867	
3,300.00	2,934.01	3,883.00	3,852.42	29.03	14.72	-93.61	5,734.83	960.06	5,685.15	5,642.94	42.21	134.699	
3,400.00	3,014.79	3,928.53	3,897.18	30.32	14.93	-93.85	5,727.90	964.75	5,670.39	5,626.70	43.69	129.783	
3,500.00	3,095.57	3,976.00	3,943.96	31.61	15.15	-94.11	5,721.31	969.33	5,657.01	5,611.83	45.18	125.205	
3,600.00	3,176.35	3,976.00	3,943.96	32.91	15.15	-94.11	5,721.31	969.33	5,644.82	5,598.30	46.52	121.330	
3,700.00	3,257.13	4,036.78	4,003.99	34.20	15.42	-94.43	5,713.63	975.00	5,633.71	5,585.66	48.05	117.242	
3,800.00	3,337.91	4,070.00	4,036.83	35.50	15.56	-94.61	5,709.73	978.11	5,623.82	5,574.33	49.49	113.632	
3,900.00	3,418.69	4,137.58	4,103.69	36.80	15.86	-94.98	5,702.21	984.48	5,614.89	5,563.85	51.04	110.019	
4,000.00	3,499.47	4,223.92	4,189.14	38.09	16.23	-95.44	5,692.95	992.62	5,606.76	5,554.13	52.64	106.521	
4,100.00	3,580.25	4,369.63	4,333.30	39.39	16.87	-96.23	5,676.17	1,005.61	5,598.50	5,544.09	54.41	102.899	
4,200.00	3,661.03	4,445.00	4,407.85	40.69	17.20	-96.65	5,667.20	1,012.17	5,590.46	5,534.49	55.96	99.894	
4,300.00	3,741.81	4,505.33	4,467.54	41.99	17.46	-96.98	5,660.19	1,017.34	5,583.16	5,525.69	57.47	97.147	
4,400.00	3,822.58	4,565.82	4,527.43	43.29	17.72	-97.31	5,653.31	1,022.33	5,576.65	5,517.68	58.97	94.563	
4,500.00	3,903.36	4,632.00	4,593.03	44.59	18.01	-97.69	5,646.07	1,027.22	5,571.13	5,510.64	60.49	92.107	
4,600.00	3,984.14	4,696.83	4,657.33	45.89	18.28	-98.05	5,639.15	1,031.76	5,566.41	5,504.42	61.99	89.800	
4,700.00	4,064.92	4,814.44	4,773.89	47.20	18.78	-98.71	5,626.14	1,040.50	5,561.81	5,498.18	63.64	87.401	
4,800.00	4,145.70	4,858.47	4,817.52	48.50	18.97	-98.96	5,621.23	1,043.79	5,557.84	5,492.77	65.07	85.417	
4,900.00	4,226.48	4,914.00	4,872.67	49.80	19.20	-99.27	5,615.85	1,047.50	5,555.43	5,488.91	66.52	83.511	
5,000.00	4,307.26	4,914.00	4,872.67	51.10	19.20	-99.27	5,615.85	1,047.50	5,554.02	5,486.22	67.81	81.908	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,028.27	4,330.10	4,914.00	4,872.67	51.47	19.20	-99.27	5,615.85	1,047.50	5,553.95	5,485.78	68.17	81.475	
5,100.00	4,388.04	4,944.98	4,903.48	52.40	19.32	-99.45	5,613.26	1,049.34	5,554.17	5,485.00	69.17	80.299	
5,200.00	4,468.82	4,973.76	4,932.14	53.71	19.43	-99.61	5,611.11	1,050.90	5,555.68	5,485.17	70.51	78.792	
5,300.00	4,549.60	5,008.00	4,966.27	55.01	19.57	-99.81	5,608.89	1,052.56	5,558.56	5,486.71	71.86	77.355	
5,400.00	4,630.38	5,042.64	5,000.82	56.31	19.69	-100.01	5,606.91	1,054.05	5,562.74	5,489.55	73.19	76.003	
5,500.00	4,711.16	5,100.00	5,058.07	57.62	19.91	-100.35	5,603.97	1,056.16	5,568.11	5,493.53	74.59	74.652	
5,600.00	4,791.93	5,125.68	5,083.71	58.92	20.00	-100.50	5,602.81	1,056.96	5,574.59	5,498.72	75.86	73.481	
5,700.00	4,872.71	5,164.54	5,122.52	60.23	20.13	-100.72	5,601.28	1,058.03	5,582.30	5,505.13	77.17	72.336	
5,800.00	4,953.49	5,209.71	5,167.66	61.53	20.29	-100.99	5,599.80	1,059.05	5,591.22	5,512.73	78.49	71.237	
5,900.00	5,034.27	5,270.41	5,228.32	62.83	20.50	-101.34	5,598.00	1,060.16	5,601.10	5,521.25	79.84	70.150	
6,000.00	5,115.05	5,315.48	5,273.37	64.14	20.65	-101.61	5,596.83	1,060.84	5,611.94	5,530.81	81.13	69.169	
6,100.00	5,195.83	5,379.00	5,336.87	65.44	20.86	-101.98	5,595.87	1,061.87	5,624.06	5,541.58	82.48	68.188	
6,200.00	5,276.61	5,405.15	5,363.02	66.75	20.95	-102.13	5,595.67	1,062.34	5,637.12	5,553.45	83.67	67.374	
6,300.00	5,357.39	5,471.00	5,428.85	68.05	21.16	-102.51	5,595.37	1,063.62	5,651.15	5,566.15	85.00	66.485	
6,400.00	5,438.17	5,558.24	5,516.08	69.36	21.44	-103.01	5,595.03	1,065.26	5,665.80	5,579.40	86.40	65.576	
6,500.00	5,518.95	5,565.00	5,522.84	70.66	21.46	-103.05	5,594.99	1,065.38	5,681.44	5,593.97	87.47	64.951	
6,600.00	5,599.73	5,607.93	5,565.76	71.97	21.60	-103.30	5,595.29	1,066.27	5,698.20	5,609.53	88.67	64.264	
6,700.00	5,680.51	5,645.00	5,602.79	73.27	21.71	-103.50	5,596.42	1,067.32	5,716.54	5,626.71	89.83	63.640	
6,800.00	5,761.29	5,645.00	5,602.79	74.58	21.71	-103.50	5,596.42	1,067.32	5,736.12	5,645.32	90.80	63.172	
6,837.84	5,791.85	5,645.00	5,602.79	75.07	21.71	-103.50	5,596.42	1,067.32	5,743.97	5,652.81	91.16	63.008	
6,850.00	5,801.67	5,645.00	5,602.79	75.23	21.71	-101.77	5,596.42	1,067.32	5,746.42	5,655.15	91.28	62.955	
6,900.00	5,841.80	5,660.72	5,618.48	75.88	21.75	-94.98	5,597.23	1,067.88	5,754.08	5,662.25	91.83	62.659	
6,950.00	5,881.33	5,676.00	5,633.71	76.52	21.80	-88.75	5,598.35	1,068.51	5,758.12	5,665.73	92.39	62.322	
7,000.00	5,919.97	5,676.00	5,633.71	77.14	21.80	-83.11	5,598.35	1,068.51	5,758.31	5,665.43	92.88	61.997	
7,050.00	5,957.41	5,676.00	5,633.71	77.74	21.80	-78.20	5,598.35	1,068.51	5,754.79	5,661.43	93.36	61.640	
7,100.00	5,993.37	5,688.42	5,646.07	78.32	21.83	-74.13	5,599.44	1,069.09	5,747.52	5,653.63	93.89	61.215	
7,150.00	6,027.59	5,707.00	5,664.53	78.86	21.88	-70.83	5,601.29	1,070.05	5,736.58	5,642.15	94.44	60.745	
7,200.00	6,059.79	5,707.00	5,664.53	79.36	21.88	-68.09	5,601.29	1,070.05	5,721.94	5,627.08	94.87	60.317	
7,250.00	6,089.73	5,707.00	5,664.53	79.83	21.88	-66.01	5,601.29	1,070.05	5,703.80	5,608.54	95.27	59.871	
7,300.00	6,117.20	5,707.00	5,664.53	80.25	21.88	-64.53	5,601.29	1,070.05	5,682.28	5,586.63	95.64	59.412	
7,350.00	6,141.96	5,707.00	5,664.53	80.63	21.88	-63.65	5,601.29	1,070.05	5,657.49	5,561.50	95.99	58.940	
7,400.00	6,163.85	5,721.55	5,678.95	80.98	21.92	-63.49	5,603.01	1,070.87	5,629.43	5,533.04	96.38	58.407	
7,450.00	6,182.69	5,737.00	5,694.22	81.28	21.96	-63.98	5,605.19	1,071.79	5,598.61	5,501.86	96.76	57.863	
7,500.00	6,198.33	5,737.00	5,694.22	81.54	21.96	-64.98	5,605.19	1,071.79	5,564.88	5,467.87	97.01	57.363	
7,550.00	6,210.67	5,737.00	5,694.22	81.77	21.96	-66.73	5,605.19	1,071.79	5,528.61	5,431.37	97.24	56.857	
7,600.00	6,219.60	5,737.00	5,694.22	81.96	21.96	-69.34	5,605.19	1,071.79	5,490.03	5,392.59	97.44	56.344	
7,650.00	6,225.05	5,737.00	5,694.22	82.11	21.96	-73.01	5,605.19	1,071.79	5,449.39	5,351.78	97.61	55.827	
7,702.53	6,227.00	5,737.00	5,694.22	82.24	21.96	-78.30	5,605.19	1,071.79	5,404.77	5,306.99	97.77	55.278	
7,800.00	6,227.00	5,737.00	5,694.22	82.45	21.96	-78.30	5,605.19	1,071.79	5,320.55	5,222.50	98.06	54.260	
7,900.00	6,227.00	5,737.00	5,694.22	82.68	21.96	-78.30	5,605.19	1,071.79	5,234.63	5,136.28	98.36	53.221	
8,000.00	6,227.00	5,737.00	5,694.22	82.93	21.96	-78.30	5,605.19	1,071.79	5,149.22	5,050.56	98.67	52.189	
8,100.00	6,227.00	5,737.00	5,694.22	83.20	21.96	-78.30	5,605.19	1,071.79	5,064.35	4,965.36	98.99	51.162	
8,200.00	6,227.00	5,737.00	5,694.22	83.49	21.96	-78.30	5,605.19	1,071.79	4,980.03	4,880.71	99.32	50.141	
8,300.00	6,227.00	5,737.00	5,694.22	83.80	21.96	-78.30	5,605.19	1,071.79	4,896.31	4,796.64	99.67	49.127	
8,400.00	6,227.00	5,737.00	5,694.22	84.12	21.96	-78.30	5,605.19	1,071.79	4,813.20	4,713.18	100.02	48.121	
8,500.00	6,227.00	5,752.47	5,709.44	84.47	21.99	-78.61	5,607.77	1,072.78	4,730.58	4,630.08	100.50	47.070	
8,600.00	6,227.00	5,768.00	5,724.64	84.83	22.03	-78.92	5,610.76	1,073.87	4,648.87	4,547.88	101.00	46.030	
8,700.00	6,227.00	5,768.00	5,724.64	85.22	22.03	-78.92	5,610.76	1,073.87	4,567.71	4,466.32	101.40	45.047	
8,800.00	6,227.00	5,768.00	5,724.64	85.62	22.03	-78.92	5,610.76	1,073.87	4,487.32	4,385.50	101.82	44.073	
8,900.00	6,227.00	5,768.00	5,724.64	86.05	22.03	-78.92	5,610.76	1,073.87	4,407.72	4,305.47	102.25	43.109	
9,000.00	6,227.00	5,768.00	5,724.64	86.51	22.03	-78.92	5,610.76	1,073.87	4,328.97	4,226.28	102.69	42.154	

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-20-07
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-20-07	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	
9,100.00	6,227.00	5,768.00	5,724.64	86.98	22.03	-78.92	5,610.76	1,073.87	4,251.11	4,147.96	103.15	41.211	
9,200.00	6,227.00	5,779.27	5,735.63	87.49	22.05	-79.15	5,613.13	1,074.71	4,174.15	4,070.43	103.72	40.244	
9,300.00	6,227.00	5,785.53	5,741.72	88.01	22.07	-79.27	5,614.50	1,075.18	4,098.16	3,993.89	104.26	39.305	
9,400.00	6,227.00	5,799.00	5,754.79	88.56	22.10	-79.54	5,617.57	1,076.23	4,023.20	3,918.31	104.89	38.358	
9,500.00	6,227.00	5,799.00	5,754.79	89.14	22.10	-79.54	5,617.57	1,076.23	3,949.28	3,843.86	105.42	37.464	
9,600.00	6,227.00	5,799.00	5,754.79	89.75	22.10	-79.54	5,617.57	1,076.23	3,876.52	3,770.56	105.96	36.585	
9,700.00	6,227.00	5,799.00	5,754.79	90.38	22.10	-79.54	5,617.57	1,076.23	3,805.00	3,698.48	106.52	35.721	
9,800.00	6,227.00	5,816.44	5,771.66	91.04	22.13	-79.89	5,621.80	1,077.59	3,734.62	3,627.37	107.25	34.821	
9,900.00	6,227.00	5,830.00	5,784.71	91.73	22.16	-80.16	5,625.30	1,078.63	3,665.68	3,557.72	107.97	33.951	
10,000.00	6,227.00	5,830.00	5,784.71	92.44	22.16	-80.16	5,625.30	1,078.63	3,598.10	3,489.52	108.58	33.138	
10,100.00	6,227.00	5,830.00	5,784.71	93.19	22.16	-80.16	5,625.30	1,078.63	3,532.05	3,422.85	109.20	32.344	
10,200.00	6,227.00	5,830.00	5,784.71	93.96	22.16	-80.16	5,625.30	1,078.63	3,467.63	3,357.80	109.84	31.571	
10,300.00	6,227.00	5,848.83	5,802.76	94.76	22.19	-80.54	5,630.47	1,079.98	3,404.72	3,294.05	110.67	30.765	
10,400.00	6,227.00	5,862.00	5,815.35	95.59	22.22	-80.80	5,634.28	1,080.85	3,343.66	3,232.20	111.46	29.998	
10,500.00	6,227.00	5,862.00	5,815.35	96.45	22.22	-80.80	5,634.28	1,080.85	3,284.41	3,172.28	112.13	29.291	
10,600.00	6,227.00	5,862.00	5,815.35	97.34	22.22	-80.80	5,634.28	1,080.85	3,227.17	3,114.37	112.80	28.610	
10,700.00	6,227.00	5,878.12	5,830.68	98.26	22.25	-81.12	5,639.14	1,081.79	3,171.89	3,058.24	113.65	27.910	
10,800.00	6,227.00	5,893.00	5,844.80	99.20	22.27	-81.42	5,643.81	1,082.53	3,118.84	3,004.35	114.49	27.241	
10,900.00	6,227.00	5,893.00	5,844.80	100.18	22.27	-81.42	5,643.81	1,082.53	3,067.98	2,952.82	115.16	26.641	
11,000.00	6,227.00	5,908.91	5,859.83	101.18	22.30	-81.74	5,648.98	1,083.23	3,019.49	2,903.48	116.01	26.027	
11,100.00	6,227.00	5,924.00	5,874.03	102.20	22.32	-82.04	5,654.04	1,083.88	2,973.41	2,856.56	116.85	25.447	
11,200.00	6,227.00	5,941.74	5,890.63	103.26	22.35	-82.39	5,660.22	1,084.65	2,929.83	2,812.13	117.70	24.891	
11,300.00	6,227.00	5,955.00	5,902.99	104.33	22.37	-82.66	5,665.01	1,085.25	2,888.83	2,770.34	118.49	24.380	
11,400.00	6,227.00	5,972.67	5,919.34	105.44	22.40	-83.01	5,671.68	1,086.03	2,850.55	2,731.24	119.31	23.891	
11,500.00	6,227.00	5,985.00	5,930.65	106.57	22.42	-83.25	5,676.54	1,086.55	2,815.12	2,695.08	120.04	23.451	
11,600.00	6,227.00	6,017.91	5,960.52	107.72	22.46	-83.89	5,690.27	1,088.03	2,782.48	2,661.46	121.02	22.992	
11,700.00	6,227.00	6,061.06	5,998.84	108.89	22.52	-84.71	5,709.93	1,090.53	2,752.47	2,630.35	122.12	22.540	
11,800.00	6,227.00	6,162.48	6,085.39	110.09	22.64	-86.58	5,761.95	1,099.48	2,724.35	2,600.33	124.02	21.966	
11,900.00	6,227.00	6,245.19	6,151.34	111.31	22.72	-88.01	5,810.60	1,110.28	2,697.57	2,571.89	125.67	21.465	
12,000.00	6,227.00	6,273.40	6,172.24	112.54	22.75	-88.46	5,829.10	1,114.35	2,673.36	2,546.84	126.52	21.130	
12,100.00	6,227.00	6,294.00	6,187.04	113.80	22.76	-88.79	5,843.16	1,117.12	2,652.09	2,524.88	127.21	20.848	
12,200.00	6,227.00	6,326.00	6,209.07	115.08	22.78	-89.27	5,866.03	1,121.08	2,633.79	2,505.75	128.04	20.571	
12,300.00	6,227.00	6,357.00	6,229.16	116.37	22.80	-89.72	5,889.39	1,124.44	2,618.50	2,489.69	128.81	20.329	
12,400.00	6,227.00	6,388.00	6,247.92	117.69	22.81	-90.13	5,913.89	1,127.38	2,606.08	2,476.54	129.53	20.119	
12,500.00	6,227.00	6,420.00	6,265.60	119.02	22.82	-90.52	5,940.40	1,130.19	2,596.23	2,465.99	130.24	19.935	
12,600.00	6,227.00	6,469.49	6,289.21	120.36	22.84	-91.05	5,983.71	1,133.96	2,588.75	2,457.50	131.25	19.724	
12,700.00	6,227.00	6,513.00	6,306.18	121.72	22.87	-91.42	6,023.67	1,136.50	2,583.63	2,451.50	132.12	19.555	
12,800.00	6,227.00	6,544.00	6,316.25	123.10	22.89	-91.65	6,052.96	1,137.63	2,581.02	2,448.32	132.70	19.450	
12,900.00	6,227.00	6,638.00	6,337.93	124.49	23.09	-92.13	6,144.33	1,139.46	2,580.13	2,445.46	134.67	19.159	
12,944.00	6,227.00	6,659.43	6,340.69	125.10	23.16	-92.19	6,165.57	1,139.76	2,579.90	2,444.80	135.09	19.097 CC	
13,000.00	6,227.00	6,682.58	6,342.66	125.89	23.24	-92.24	6,188.64	1,139.79	2,580.23	2,444.70	135.53	19.039 ES	
13,100.00	6,227.00	6,748.50	6,346.16	127.31	23.54	-92.31	6,254.45	1,138.80	2,582.23	2,445.36	136.88	18.865	
13,200.00	6,227.00	6,825.00	6,346.99	128.74	23.96	-92.33	6,330.92	1,136.69	2,585.34	2,446.83	138.52	18.665	
13,300.00	6,227.00	6,907.17	6,346.33	130.18	24.50	-92.31	6,413.04	1,133.80	2,589.18	2,448.81	140.37	18.446	
13,400.00	6,227.00	7,017.00	6,345.43	131.63	25.34	-92.29	6,522.78	1,129.83	2,593.11	2,450.05	143.06	18.126	
13,500.00	6,227.00	7,080.00	6,344.77	133.09	25.87	-92.27	6,585.72	1,127.16	2,597.62	2,453.11	144.51	17.975	
13,600.00	6,227.00	7,205.00	6,344.19	134.57	27.03	-92.25	6,710.60	1,122.04	2,601.98	2,454.12	147.86	17.598	
13,700.00	6,227.00	7,268.00	6,344.25	136.05	27.66	-92.25	6,773.53	1,118.94	2,607.13	2,457.72	149.41	17.449	
13,800.00	6,227.00	7,299.00	6,344.19	137.54	27.98	-92.25	6,804.47	1,117.04	2,613.93	2,463.99	149.94	17.433	
13,900.00	6,227.00	7,341.94	6,344.54	139.05	28.44	-92.25	6,847.22	1,113.14	2,623.32	2,472.50	150.82	17.394	
14,000.00	6,227.00	7,464.23	6,346.77	140.56	29.81	-92.29	6,968.89	1,101.03	2,633.72	2,479.31	154.41	17.056	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
14,100.00	6,227.00	7,555.54	6,349.71	142.07	30.90	-92.35	7,059.76	1,092.49	2,643.53	2,486.51	157.02	16.835		
14,200.00	6,227.00	7,652.25	6,353.48	143.60	32.10	-92.42	7,155.90	1,082.74	2,654.11	2,494.23	159.88	16.600		
14,300.00	6,227.00	7,767.00	6,357.39	145.14	33.59	-92.49	7,270.07	1,072.07	2,663.92	2,500.48	163.44	16.299		
14,400.00	6,227.00	7,861.00	6,357.56	146.68	34.85	-92.49	7,363.67	1,063.41	2,673.48	2,507.19	166.29	16.078		
14,500.00	6,227.00	7,892.00	6,357.67	148.23	35.27	-92.49	7,394.51	1,060.25	2,684.26	2,517.45	166.81	16.092		
14,600.00	6,227.00	7,924.00	6,357.76	149.78	35.72	-92.49	7,426.25	1,056.24	2,697.49	2,530.19	167.30	16.124		
14,700.00	6,227.00	8,033.62	6,357.73	151.35	37.26	-92.47	7,534.73	1,040.51	2,712.19	2,541.37	170.82	15.877		
14,800.00	6,227.00	8,173.00	6,351.77	152.91	39.29	-92.33	7,672.85	1,022.99	2,724.63	2,549.10	175.53	15.522		
14,900.00	6,227.00	8,360.00	6,342.46	154.49	42.10	-92.11	7,858.50	1,002.94	2,735.26	2,553.16	182.10	15.021		
15,000.00	6,227.00	8,429.54	6,341.40	156.07	43.16	-92.09	7,927.67	995.89	2,745.61	2,561.43	184.18	14.907		
15,100.00	6,227.00	8,485.00	6,341.10	157.65	44.01	-92.08	7,982.78	989.65	2,757.13	2,571.43	185.70	14.847		
15,200.00	6,227.00	8,568.62	6,342.81	159.24	45.32	-92.10	8,065.74	979.40	2,769.79	2,581.44	188.35	14.706		
15,300.00	6,227.00	8,644.50	6,351.76	160.84	49.69	-92.27	8,340.15	953.04	2,780.45	2,581.91	198.53	14.005		
15,400.00	6,227.00	9,192.85	6,348.64	162.44	55.26	-92.20	8,688.27	946.47	2,783.03	2,572.58	210.45	13.224		
15,500.00	6,227.00	9,392.50	6,348.33	164.05	58.46	-92.20	8,887.71	954.88	2,779.50	2,562.65	216.84	12.818		
15,600.00	6,227.00	9,482.00	6,347.29	165.66	59.89	-92.18	8,977.01	960.71	2,773.33	2,553.47	219.86	12.614		
15,700.00	6,227.00	9,528.61	6,346.04	167.27	60.64	-92.16	9,023.54	963.12	2,768.56	2,546.99	221.57	12.495		
15,800.00	6,227.00	9,589.03	6,344.48	168.89	61.63	-92.12	9,083.91	965.12	2,765.53	2,541.87	223.67	12.365		
15,900.00	6,227.00	9,725.04	6,345.20	170.51	63.85	-92.14	9,219.83	969.78	2,762.43	2,534.24	228.19	12.106		
16,000.00	6,227.00	9,772.96	6,345.72	172.14	64.64	-92.15	9,267.73	971.20	2,759.83	2,529.94	229.89	12.005		
16,100.00	6,227.00	9,865.59	6,346.38	173.77	66.17	-92.17	9,360.34	972.63	2,758.63	2,525.60	233.03	11.838		
16,200.00	6,227.00	9,948.00	6,345.70	175.40	67.53	-92.16	9,442.74	973.85	2,757.48	2,521.64	235.84	11.692		
16,237.84	6,227.00	9,964.19	6,345.57	176.02	67.80	-92.15	9,458.92	973.96	2,757.34	2,520.95	236.38	11.665		
16,300.00	6,227.00	10,011.00	6,344.79	177.04	68.59	-92.14	9,505.73	973.93	2,757.55	2,519.58	237.97	11.588		
16,400.00	6,227.00	10,074.00	6,343.14	178.68	69.64	-92.10	9,568.70	973.32	2,758.77	2,518.71	240.07	11.492		
16,500.00	6,227.00	10,234.41	6,342.47	180.32	72.34	-92.09	9,729.10	971.90	2,760.25	2,514.64	245.61	11.238		
16,509.89	6,227.00	10,235.66	6,342.47	180.48	72.36	-92.09	9,730.34	971.90	2,760.24	2,514.59	245.65	11.236		
16,600.00	6,227.00	10,290.00	6,342.31	181.96	73.28	-92.08	9,784.68	971.73	2,760.83	2,513.35	247.48	11.156		
16,700.00	6,227.00	10,384.00	6,341.98	183.61	74.86	-92.07	9,878.68	970.91	2,762.06	2,511.37	250.69	11.018		
16,800.00	6,227.00	10,478.00	6,341.10	185.27	76.46	-92.06	9,972.67	969.87	2,763.50	2,509.59	253.91	10.884		
16,900.00	6,227.00	10,650.31	6,334.31	186.92	79.38	-91.91	10,144.82	970.54	2,762.88	2,503.02	259.86	10.632		
17,000.00	6,227.00	10,777.72	6,332.76	188.58	81.54	-91.88	10,272.20	971.78	2,762.40	2,498.19	264.21	10.455		
17,100.00	6,227.00	10,890.49	6,331.26	190.24	83.45	-91.85	10,384.94	974.06	2,760.73	2,492.67	268.07	10.299		
17,171.35	6,227.00	10,898.00	6,331.14	191.43	83.58	-91.85	10,392.44	974.26	2,759.82	2,491.45	268.37	10.284 SF		
17,200.00	6,227.00	10,898.00	6,331.14	191.90	83.58	-91.85	10,392.44	974.26	2,759.97	2,491.62	268.35	10.285		
17,300.00	6,227.00	10,898.00	6,331.14	193.57	83.58	-91.85	10,392.44	974.26	2,762.82	2,494.75	268.07	10.306		
17,348.07	6,227.00	10,898.00	6,331.14	194.37	83.58	-91.85	10,392.44	974.26	2,765.47	2,497.64	267.83	10.326		



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	17.61	17.61	0.00	0.03	8.01	6,061.76	853.10	6,121.49				
100.00	100.00	127.70	127.70	0.27	0.22	8.01	6,061.65	853.02	6,121.38	6,120.89	0.49	N/A	
200.00	200.00	237.78	237.78	0.63	0.41	8.01	6,061.37	852.81	6,121.11	6,120.07	1.04	5,888.234	
300.00	299.98	347.84	347.84	0.98	0.60	-76.23	6,060.93	852.48	6,120.26	6,118.67	1.58	3,865.977	
400.00	399.84	457.73	457.73	1.34	0.79	-76.32	6,060.33	852.03	6,118.41	6,116.28	2.13	2,872.436	
500.00	499.45	593.80	593.79	1.71	1.18	-76.50	6,059.18	851.31	6,115.47	6,112.58	2.89	2,116.234	
600.00	598.70	695.00	694.98	2.10	1.55	-76.69	6,057.91	850.71	6,111.29	6,107.65	3.64	1,678.409	
700.00	697.47	771.37	771.35	2.51	1.82	-76.90	6,057.12	850.06	6,106.53	6,102.20	4.33	1,411.296	
800.00	795.62	902.56	902.51	2.95	2.29	-77.25	6,055.69	848.61	6,100.94	6,095.70	5.24	1,164.393	
900.00	893.06	971.00	970.95	3.44	2.54	-77.52	6,054.81	847.81	6,094.50	6,088.54	5.96	1,021.901	
1,000.00	989.64	1,012.68	1,012.63	3.96	2.68	-77.75	6,054.55	847.43	6,088.12	6,081.49	6.63	918.669	
1,100.00	1,085.27	1,063.00	1,062.94	4.54	2.85	-78.00	6,054.88	847.37	6,082.17	6,074.81	7.37	825.613	
1,200.00	1,179.82	1,063.00	1,062.94	5.16	2.85	-78.11	6,054.88	847.37	6,076.55	6,068.57	7.99	760.865	
1,300.00	1,273.17	1,105.64	1,105.57	5.85	2.99	-78.35	6,055.79	847.71	6,071.36	6,062.56	8.80	689.694	
1,400.00	1,365.21	1,154.00	1,153.89	6.59	3.15	-78.62	6,057.61	848.60	6,066.85	6,057.15	9.70	625.534	
1,500.00	1,455.84	1,154.00	1,153.89	7.40	3.15	-78.70	6,057.61	848.60	6,062.65	6,052.15	10.50	577.513	
1,600.00	1,544.94	1,201.87	1,201.67	8.28	3.31	-78.96	6,060.09	849.93	6,058.96	6,047.44	11.53	525.677	
1,700.00	1,632.39	1,246.00	1,245.69	9.23	3.46	-79.21	6,062.80	851.48	6,055.73	6,043.11	12.61	480.162	
1,800.00	1,718.11	1,389.96	1,389.35	10.25	3.96	-79.96	6,071.64	854.26	6,052.21	6,038.08	14.12	428.525	
1,900.00	1,801.97	1,543.80	1,542.99	11.35	4.49	-80.83	6,079.30	855.07	6,047.30	6,031.55	15.75	383.876	
2,005.96	1,888.70	1,616.00	1,615.10	12.60	4.74	-81.33	6,082.82	855.02	6,041.99	6,024.74	17.25	350.290	
2,100.00	1,964.66	1,693.28	1,692.30	13.75	5.02	-81.77	6,086.53	854.83	6,037.48	6,018.81	18.67	323.358	
2,200.00	2,045.44	1,747.48	1,746.44	14.99	5.21	-82.07	6,089.13	854.54	6,033.30	6,013.20	20.10	300.167	
2,300.00	2,126.22	1,799.00	1,797.86	16.24	5.39	-82.36	6,092.13	853.66	6,030.35	6,008.82	21.53	280.084	
2,400.00	2,207.00	1,892.14	1,890.81	17.50	5.73	-82.90	6,097.69	851.60	6,028.24	6,005.11	23.12	260.691	
2,500.00	2,287.78	1,938.21	1,936.79	18.77	5.89	-83.16	6,100.37	850.52	6,026.56	6,002.01	24.55	245.455	
2,600.00	2,368.56	1,987.00	1,985.46	20.04	6.07	-83.44	6,103.49	849.17	6,025.94	5,999.95	26.00	231.803	
2,613.95	2,379.83	1,994.59	1,993.03	20.22	6.10	-83.49	6,103.99	848.95	6,025.94	5,999.73	26.20	229.990	
2,700.00	2,449.34	2,081.19	2,079.42	21.31	6.41	-83.99	6,109.63	846.86	6,026.06	5,998.45	27.61	218.223	
2,800.00	2,530.12	2,313.65	2,311.53	22.59	7.25	-85.32	6,121.43	842.55	6,025.56	5,995.81	29.75	202.535	
2,900.00	2,610.90	4,082.90	3,965.07	23.88	16.05	-98.32	5,938.16	394.00	6,019.29	5,980.43	38.86	154.895	
3,000.00	2,691.68	4,162.13	4,035.21	25.16	16.66	-98.99	5,918.31	362.94	6,002.75	5,962.04	40.70	147.479	
3,100.00	2,772.46	4,216.95	4,084.00	26.45	17.08	-99.46	5,904.31	342.24	5,987.16	5,944.75	42.40	141.196	
3,200.00	2,853.23	4,248.92	4,112.42	27.74	17.33	-99.73	5,896.20	330.05	5,972.91	5,928.94	43.97	135.841	
3,300.00	2,934.01	4,288.00	4,147.10	29.03	17.63	-100.06	5,886.39	314.93	5,960.07	5,914.49	45.58	130.758	
3,400.00	3,014.79	4,326.33	4,181.00	30.32	17.94	-100.39	5,876.80	299.84	5,948.57	5,901.37	47.20	126.033	
3,500.00	3,095.57	4,375.62	4,224.42	31.61	18.34	-100.81	5,864.41	280.06	5,938.35	5,889.47	48.89	121.476	
3,600.00	3,176.35	4,384.00	4,231.78	32.91	18.41	-100.88	5,862.30	276.66	5,929.56	5,879.25	50.31	117.871	
3,700.00	3,257.13	4,384.00	4,231.78	34.20	18.41	-100.88	5,862.30	276.66	5,922.43	5,870.76	51.66	114.631	
3,800.00	3,337.91	4,430.47	4,272.64	35.50	18.80	-101.28	5,850.89	257.70	5,916.48	5,863.15	53.33	110.938	
3,900.00	3,418.69	4,446.97	4,287.17	36.80	18.93	-101.43	5,846.99	250.93	5,912.30	5,857.51	54.79	107.913	
4,000.00	3,499.47	4,479.00	4,315.43	38.09	19.20	-101.70	5,839.64	237.76	5,909.73	5,853.39	56.34	104.892	
4,100.00	3,580.25	4,500.26	4,334.21	39.39	19.38	-101.89	5,834.84	229.03	5,908.61	5,850.80	57.81	102.205	
4,196.72	3,658.38	4,652.74	4,469.22	40.65	20.66	-103.19	5,798.65	168.11	5,907.97	5,847.84	60.13	98.259	
4,200.00	3,661.03	4,654.28	4,470.58	40.69	20.67	-103.21	5,798.28	167.50	5,907.97	5,847.79	60.18	98.171	
4,300.00	3,741.81	4,670.00	4,484.50	41.99	20.80	-103.34	5,794.46	161.27	5,908.76	5,847.16	61.60	95.928	
4,400.00	3,822.58	4,711.27	4,520.86	43.29	21.16	-103.70	5,784.33	144.58	5,910.79	5,847.61	63.19	93.545	
4,500.00	3,903.36	4,726.61	4,534.31	44.59	21.30	-103.83	5,780.66	138.19	5,914.56	5,849.98	64.58	91.589	
4,600.00	3,984.14	4,765.00	4,567.84	45.89	21.63	-104.16	5,771.70	121.76	5,920.04	5,853.92	66.12	89.535	
4,700.00	4,064.92	4,765.00	4,567.84	47.20	21.63	-104.16	5,771.70	121.76	5,926.83	5,859.46	67.37	87.977	
4,800.00	4,145.70	4,765.00	4,567.84	48.50	21.63	-104.16	5,771.70	121.76	5,935.30	5,866.71	68.60	86.525	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	4,226.48	4,765.00	4,567.84	49.80	21.63	-104.16	5,771.70	121.76	5,945.44	5,875.64	69.80	85.173	
5,000.00	4,307.26	4,765.00	4,567.84	51.10	21.63	-104.16	5,771.70	121.76	5,957.25	5,886.26	70.99	83.916	
5,100.00	4,388.04	4,802.76	4,600.55	52.40	21.99	-104.49	5,763.27	104.90	5,970.24	5,897.77	72.47	82.386	
5,200.00	4,468.82	4,813.31	4,609.64	53.71	22.09	-104.59	5,761.00	100.05	5,985.03	5,911.33	73.70	81.210	
5,300.00	4,549.60	4,823.60	4,618.47	55.01	22.19	-104.68	5,758.81	95.25	6,001.38	5,926.47	74.91	80.119	
5,400.00	4,630.38	4,861.00	4,650.40	56.31	22.54	-105.01	5,751.12	77.34	6,019.53	5,943.21	76.32	78.877	
5,500.00	4,711.16	4,861.00	4,650.40	57.62	22.54	-105.01	5,751.12	77.34	6,038.82	5,961.42	77.39	78.029	
5,600.00	4,791.93	4,861.00	4,650.40	58.92	22.54	-105.01	5,751.12	77.34	6,059.69	5,981.25	78.44	77.249	
5,700.00	4,872.71	4,861.00	4,650.40	60.23	22.54	-105.01	5,751.12	77.34	6,082.15	6,002.68	79.47	76.534	
5,800.00	4,953.49	4,884.35	4,670.23	61.53	22.77	-105.22	5,746.50	65.91	6,106.07	6,025.39	80.68	75.684	
5,900.00	5,034.27	4,904.81	4,687.62	62.83	22.97	-105.40	5,742.53	55.89	6,131.40	6,049.56	81.84	74.921	
6,000.00	5,115.05	4,925.32	4,705.06	64.14	23.17	-105.58	5,738.61	45.84	6,158.12	6,075.15	82.97	74.218	
6,100.00	5,195.83	5,275.74	5,017.61	65.44	26.20	-108.52	5,678.91	-98.86	6,185.96	6,099.32	86.64	71.399	
6,200.00	5,276.61	5,295.49	5,036.26	66.75	26.34	-108.67	5,676.28	-104.81	6,212.87	6,125.18	87.69	70.850	
6,300.00	5,357.39	5,359.15	5,096.96	68.05	26.75	-109.15	5,669.21	-122.58	6,241.18	6,152.19	88.98	70.138	
6,400.00	5,438.17	5,531.00	5,263.87	69.36	27.68	-110.35	5,653.23	-159.64	6,268.73	6,177.97	90.76	69.066	
6,500.00	5,518.95	5,580.80	5,312.93	70.66	27.90	-110.68	5,649.82	-167.46	6,296.93	6,205.06	91.87	68.544	
6,600.00	5,599.73	5,627.00	5,358.52	71.97	28.10	-110.97	5,647.68	-174.63	6,326.71	6,233.77	92.94	68.072	
6,700.00	5,680.51	5,627.00	5,358.52	73.27	28.10	-110.97	5,647.68	-174.63	6,357.38	6,263.59	93.79	67.786	
6,800.00	5,761.29	5,926.68	5,655.41	74.58	29.30	-112.81	5,635.07	-211.80	6,387.12	6,291.25	95.87	66.626	
6,837.84	5,791.85	5,914.00	5,642.76	75.07	29.25	-112.73	5,635.32	-210.99	6,398.41	6,302.27	96.14	66.554	
6,850.00	5,801.67	5,914.00	5,642.76	75.23	29.25	-110.91	5,635.32	-210.99	6,401.97	6,305.73	96.24	66.521	
6,900.00	5,841.80	5,914.00	5,642.76	75.88	29.25	-103.69	5,635.32	-210.99	6,414.51	6,317.84	96.67	66.353	
6,950.00	5,881.33	5,914.00	5,642.76	76.52	29.25	-97.08	5,635.32	-210.99	6,423.62	6,326.51	97.12	66.143	
7,000.00	5,919.97	5,914.00	5,642.76	77.14	29.25	-91.19	5,635.32	-210.99	6,429.25	6,331.68	97.57	65.895	
7,050.00	5,957.41	5,914.00	5,642.76	77.74	29.25	-86.09	5,635.32	-210.99	6,431.36	6,333.35	98.02	65.614	
7,100.00	5,993.37	5,914.00	5,642.76	78.32	29.25	-81.77	5,635.32	-210.99	6,429.95	6,331.49	98.46	65.305	
7,150.00	6,027.59	5,937.52	5,666.21	78.86	29.33	-78.36	5,635.19	-212.79	6,424.54	6,325.56	98.98	64.905	
7,200.00	6,059.79	5,962.00	5,690.56	79.36	29.41	-75.70	5,635.81	-215.17	6,416.40	6,316.90	99.50	64.488	
7,250.00	6,089.73	5,962.00	5,690.56	79.83	29.41	-73.52	5,635.81	-215.17	6,404.31	6,304.42	99.89	64.113	
7,300.00	6,117.20	5,962.00	5,690.56	80.25	29.41	-71.97	5,635.81	-215.17	6,388.88	6,288.62	100.26	63.724	
7,350.00	6,141.96	5,962.00	5,690.56	80.63	29.41	-71.01	5,635.81	-215.17	6,370.19	6,269.59	100.60	63.323	
7,400.00	6,163.85	5,962.00	5,690.56	80.98	29.41	-70.64	5,635.81	-215.17	6,348.35	6,247.44	100.91	62.912	
7,450.00	6,182.69	5,962.00	5,690.56	81.28	29.41	-70.84	5,635.81	-215.17	6,323.50	6,222.31	101.19	62.492	
7,500.00	6,198.33	5,962.00	5,690.56	81.54	29.41	-71.63	5,635.81	-215.17	6,295.79	6,194.35	101.44	62.064	
7,550.00	6,210.67	5,962.00	5,690.56	81.77	29.41	-73.05	5,635.81	-215.17	6,265.41	6,163.74	101.66	61.630	
7,600.00	6,219.60	5,962.00	5,690.56	81.96	29.41	-75.16	5,635.81	-215.17	6,232.53	6,130.67	101.86	61.189	
7,650.00	6,225.05	5,962.00	5,690.56	82.11	29.41	-78.04	5,635.81	-215.17	6,197.38	6,095.35	102.03	60.743	
7,702.53	6,227.00	5,962.00	5,690.56	82.24	29.41	-82.00	5,635.81	-215.17	6,158.26	6,056.08	102.18	60.268	
7,800.00	6,227.00	5,962.00	5,690.56	82.45	29.41	-82.00	5,635.81	-215.17	6,084.06	5,981.61	102.45	59.385	
7,900.00	6,227.00	5,962.00	5,690.56	82.68	29.41	-82.00	5,635.81	-215.17	6,008.63	5,905.90	102.74	58.486	
8,000.00	6,227.00	5,962.00	5,690.56	82.93	29.41	-82.00	5,635.81	-215.17	5,933.93	5,830.90	103.03	57.593	
8,100.00	6,227.00	5,962.00	5,690.56	83.20	29.41	-82.00	5,635.81	-215.17	5,859.99	5,756.65	103.34	56.706	
8,200.00	6,227.00	5,962.00	5,690.56	83.49	29.41	-82.00	5,635.81	-215.17	5,786.83	5,683.17	103.66	55.826	
8,300.00	6,227.00	5,962.00	5,690.56	83.80	29.41	-82.00	5,635.81	-215.17	5,714.48	5,610.49	103.99	54.954	
8,400.00	6,227.00	5,962.00	5,690.56	84.12	29.41	-82.00	5,635.81	-215.17	5,642.97	5,538.64	104.33	54.089	
8,500.00	6,227.00	5,962.00	5,690.56	84.47	29.41	-82.00	5,635.81	-215.17	5,572.34	5,467.66	104.68	53.232	
8,600.00	6,227.00	5,962.00	5,690.56	84.83	29.41	-82.00	5,635.81	-215.17	5,502.63	5,397.58	105.04	52.384	
8,700.00	6,227.00	5,962.00	5,690.56	85.22	29.41	-82.00	5,635.81	-215.17	5,433.85	5,328.44	105.42	51.545	
8,800.00	6,227.00	5,962.00	5,690.56	85.62	29.41	-82.00	5,635.81	-215.17	5,366.07	5,260.26	105.81	50.716	
8,900.00	6,227.00	5,962.00	5,690.56	86.05	29.41	-82.00	5,635.81	-215.17	5,299.30	5,193.09	106.20	49.897	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	86.51	29.41	-82.00	5,635.81	-215.17	5,233.59	5,126.97	106.62	49.089	
9,100.00	6,227.00	5,962.00	5,690.56	86.98	29.41	-82.00	5,635.81	-215.17	5,168.98	5,061.94	107.04	48.292	
9,200.00	6,227.00	5,962.00	5,690.56	87.49	29.41	-82.00	5,635.81	-215.17	5,105.51	4,998.04	107.47	47.506	
9,300.00	6,227.00	5,962.00	5,690.56	88.01	29.41	-82.00	5,635.81	-215.17	5,043.22	4,935.31	107.91	46.734	
9,400.00	6,227.00	5,962.00	5,690.56	88.56	29.41	-82.00	5,635.81	-215.17	4,982.17	4,873.80	108.37	45.974	
9,500.00	6,227.00	5,962.00	5,690.56	89.14	29.41	-82.00	5,635.81	-215.17	4,922.38	4,813.55	108.83	45.229	
9,600.00	6,227.00	5,962.00	5,690.56	89.75	29.41	-82.00	5,635.81	-215.17	4,863.92	4,754.62	109.31	44.497	
9,700.00	6,227.00	5,962.00	5,690.56	90.38	29.41	-82.00	5,635.81	-215.17	4,806.83	4,697.04	109.79	43.781	
9,800.00	6,227.00	5,962.00	5,690.56	91.04	29.41	-82.00	5,635.81	-215.17	4,751.16	4,640.88	110.28	43.081	
9,900.00	6,227.00	5,962.00	5,690.56	91.73	29.41	-82.00	5,635.81	-215.17	4,696.96	4,586.17	110.79	42.397	
10,000.00	6,227.00	5,962.00	5,690.56	92.44	29.41	-82.00	5,635.81	-215.17	4,644.28	4,532.98	111.29	41.730	
10,100.00	6,227.00	5,962.00	5,690.56	93.19	29.41	-82.00	5,635.81	-215.17	4,593.17	4,481.36	111.81	41.081	
10,200.00	6,227.00	5,962.00	5,690.56	93.96	29.41	-82.00	5,635.81	-215.17	4,543.68	4,431.36	112.33	40.451	
10,300.00	6,227.00	5,962.00	5,690.56	94.76	29.41	-82.00	5,635.81	-215.17	4,495.88	4,383.03	112.85	39.840	
10,400.00	6,227.00	5,962.00	5,690.56	95.59	29.41	-82.00	5,635.81	-215.17	4,449.81	4,336.44	113.37	39.249	
10,500.00	6,227.00	5,962.00	5,690.56	96.45	29.41	-82.00	5,635.81	-215.17	4,405.53	4,291.63	113.90	38.679	
10,600.00	6,227.00	5,962.00	5,690.56	97.34	29.41	-82.00	5,635.81	-215.17	4,363.10	4,248.67	114.43	38.130	
10,700.00	6,227.00	5,962.00	5,690.56	98.26	29.41	-82.00	5,635.81	-215.17	4,322.56	4,207.61	114.95	37.604	
10,800.00	6,227.00	5,962.00	5,690.56	99.20	29.41	-82.00	5,635.81	-215.17	4,283.97	4,168.50	115.47	37.099	
10,900.00	6,227.00	5,962.00	5,690.56	100.18	29.41	-82.00	5,635.81	-215.17	4,247.38	4,131.39	115.99	36.619	
11,000.00	6,227.00	5,962.00	5,690.56	101.18	29.41	-82.00	5,635.81	-215.17	4,212.86	4,096.36	116.50	36.162	
11,100.00	6,227.00	5,962.00	5,690.56	102.20	29.41	-82.00	5,635.81	-215.17	4,180.44	4,063.43	117.00	35.730	
11,200.00	6,227.00	5,962.00	5,690.56	103.26	29.41	-82.00	5,635.81	-215.17	4,150.17	4,032.68	117.49	35.323	
11,300.00	6,227.00	5,962.00	5,690.56	104.33	29.41	-82.00	5,635.81	-215.17	4,122.11	4,004.14	117.97	34.941	
11,400.00	6,227.00	5,962.00	5,690.56	105.44	29.41	-82.00	5,635.81	-215.17	4,096.30	3,977.86	118.44	34.586	
11,500.00	6,227.00	5,962.00	5,690.56	106.57	29.41	-82.00	5,635.81	-215.17	4,072.79	3,953.90	118.89	34.257	
11,600.00	6,227.00	5,962.00	5,690.56	107.72	29.41	-82.00	5,635.81	-215.17	4,051.60	3,932.28	119.32	33.955	
11,700.00	6,227.00	5,962.00	5,690.56	108.89	29.41	-82.00	5,635.81	-215.17	4,032.79	3,913.05	119.74	33.680	
11,800.00	6,227.00	5,962.00	5,690.56	110.09	29.41	-82.00	5,635.81	-215.17	4,016.37	3,896.24	120.13	33.433	
11,900.00	6,227.00	5,962.00	5,690.56	111.31	29.41	-82.00	5,635.81	-215.17	4,002.39	3,881.88	120.51	33.213	
12,000.00	6,227.00	5,962.00	5,690.56	112.54	29.41	-82.00	5,635.81	-215.17	3,990.87	3,870.01	120.86	33.022	
12,100.00	6,227.00	5,962.00	5,690.56	113.80	29.41	-82.00	5,635.81	-215.17	3,981.82	3,860.64	121.18	32.858	
12,200.00	6,227.00	5,962.00	5,690.56	115.08	29.41	-82.00	5,635.81	-215.17	3,975.27	3,853.79	121.48	32.722	
12,300.00	6,227.00	5,962.00	5,690.56	116.37	29.41	-82.00	5,635.81	-215.17	3,971.23	3,849.47	121.76	32.615 ES	
12,400.00	6,227.00	4,765.00	4,567.84	117.69	21.63	-65.01	5,771.70	121.76	3,968.53	3,860.12	108.40	36.609	
12,500.00	6,227.00	4,730.72	4,537.92	119.02	21.33	-64.53	5,779.68	136.46	3,965.65	3,857.50	108.16	36.666	
12,556.84	6,227.00	4,725.84	4,533.64	119.78	21.29	-64.46	5,780.84	138.52	3,965.26	3,857.06	108.20	36.648 CC	
12,600.00	6,227.00	4,722.09	4,530.36	120.36	21.26	-64.41	5,781.73	140.08	3,965.49	3,857.26	108.23	36.641	
12,700.00	6,227.00	4,713.32	4,522.67	121.72	21.18	-64.29	5,783.83	143.73	3,967.79	3,859.51	108.28	36.645	
12,800.00	6,227.00	4,704.41	4,514.84	123.10	21.10	-64.16	5,785.98	147.40	3,972.55	3,864.24	108.30	36.680	
12,900.00	6,227.00	4,670.00	4,484.50	124.49	20.80	-63.68	5,794.46	161.27	3,979.98	3,872.00	107.98	36.859	
13,000.00	6,227.00	4,670.00	4,484.50	125.89	20.80	-63.68	5,794.46	161.27	3,989.50	3,881.42	108.08	36.911	
13,100.00	6,227.00	4,670.00	4,484.50	127.31	20.80	-63.68	5,794.46	161.27	4,001.50	3,893.33	108.17	36.993	
13,200.00	6,227.00	4,663.46	4,478.72	128.74	20.75	-63.59	5,796.09	163.85	4,015.95	3,907.80	108.15	37.132	
13,300.00	6,227.00	4,640.92	4,458.79	130.18	20.56	-63.28	5,801.67	172.77	4,032.72	3,924.81	107.91	37.371	
13,400.00	6,227.00	4,618.99	4,439.37	131.63	20.37	-62.97	5,807.02	181.47	4,051.76	3,944.10	107.66	37.635	
13,500.00	6,227.00	4,597.63	4,420.45	133.09	20.20	-62.67	5,812.16	189.93	4,073.04	3,965.64	107.40	37.925	
13,600.00	6,227.00	4,579.40	4,404.29	134.57	20.04	-62.42	5,816.50	197.17	4,096.52	3,989.36	107.16	38.228	
13,700.00	6,227.00	4,531.06	4,361.45	136.05	19.64	-61.74	5,827.78	216.51	4,122.11	4,015.59	106.52	38.700	
13,800.00	6,227.00	7,713.30	6,282.09	137.54	34.97	-90.54	7,063.03	-415.78	4,137.05	3,980.19	156.87	26.373	
13,900.00	6,227.00	7,821.08	6,280.45	139.05	35.98	-90.52	7,170.78	-414.20	4,135.91	3,975.98	159.93	25.861	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
13,988.20	6,227.00	7,864.47	6,279.62	140.38	36.42	-90.51	7,214.16	-413.75	4,135.36	3,973.80	161.56	25.596	
14,000.00	6,227.00	7,869.30	6,279.56	140.56	36.47	-90.51	7,218.99	-413.74	4,135.37	3,973.61	161.76	25.565	
14,100.00	6,227.00	7,930.00	6,279.41	142.07	37.11	-90.50	7,279.68	-414.27	4,136.37	3,972.50	163.87	25.241	
14,200.00	6,227.00	7,969.44	6,280.00	143.60	37.55	-90.51	7,319.11	-415.09	4,138.45	3,972.93	165.52	25.002	
14,300.00	6,227.00	8,026.00	6,281.93	145.14	38.21	-90.54	7,375.62	-416.45	4,141.38	3,973.82	167.56	24.716	
14,400.00	6,227.00	8,087.07	6,284.60	146.68	38.95	-90.58	7,436.60	-418.52	4,145.29	3,975.57	169.73	24.423	
14,500.00	6,227.00	8,168.22	6,287.44	148.23	39.96	-90.61	7,517.60	-422.38	4,150.37	3,977.98	172.39	24.075	
14,600.00	6,227.00	8,310.42	6,286.62	149.78	41.82	-90.60	7,659.67	-427.98	4,154.55	3,977.99	176.57	23.530	
14,700.00	6,227.00	8,379.59	6,284.43	151.35	42.75	-90.57	7,728.76	-430.59	4,158.73	3,979.74	178.99	23.234	
14,800.00	6,227.00	8,443.13	6,281.96	152.91	43.63	-90.54	7,792.17	-433.74	4,163.98	3,982.69	181.28	22.969	
14,900.00	6,227.00	8,653.27	6,277.06	154.49	46.61	-90.47	8,001.99	-443.20	4,169.40	3,982.14	187.26	22.265	
15,000.00	6,227.00	8,813.15	6,280.24	156.07	48.91	-90.51	8,161.81	-445.64	4,171.09	3,979.10	191.99	21.726	
15,100.00	6,227.00	8,886.00	6,281.03	157.65	49.97	-90.52	8,234.64	-446.64	4,172.86	3,978.26	194.60	21.443	
15,200.00	6,227.00	8,935.90	6,281.47	159.24	50.72	-90.53	8,284.53	-447.79	4,175.58	3,978.93	196.66	21.233	
15,300.00	6,227.00	8,982.00	6,282.37	160.84	51.41	-90.54	8,330.58	-449.50	4,179.63	3,981.03	198.60	21.046	
15,400.00	6,227.00	9,077.00	6,284.27	162.44	52.85	-90.57	8,425.49	-453.14	4,183.87	3,982.08	201.80	20.733	
15,500.00	6,227.00	9,147.25	6,285.74	164.05	53.93	-90.59	8,495.67	-456.11	4,188.63	3,984.27	204.36	20.496	
15,600.00	6,227.00	9,205.13	6,287.38	165.66	54.83	-90.61	8,553.43	-459.42	4,194.69	3,988.09	206.60	20.303	
15,700.00	6,227.00	9,268.00	6,289.03	167.27	55.82	-90.63	8,616.14	-463.48	4,201.57	3,992.61	208.96	20.107	
15,800.00	6,227.00	9,313.12	6,289.83	168.89	56.55	-90.64	8,661.13	-466.89	4,209.55	3,998.72	210.83	19.966	
15,900.00	6,227.00	9,362.00	6,290.01	170.51	57.33	-90.64	8,709.80	-471.35	4,218.92	4,006.14	212.78	19.827	
16,000.00	6,227.00	9,456.00	6,289.68	172.14	58.86	-90.64	8,803.38	-480.20	4,228.69	4,012.69	216.00	19.577	
16,100.00	6,227.00	9,530.44	6,289.47	173.77	60.07	-90.63	8,877.48	-487.32	4,238.70	4,020.03	218.68	19.383	
16,200.00	6,227.00	9,632.71	6,288.93	175.40	61.76	-90.62	8,979.20	-497.97	4,249.46	4,027.31	222.15	19.128	
16,300.00	6,227.00	9,735.52	6,287.53	177.04	63.46	-90.60	9,081.46	-508.37	4,259.91	4,034.25	225.66	18.878	
16,400.00	6,227.00	9,834.30	6,286.70	178.68	65.11	-90.59	9,179.73	-518.35	4,270.36	4,041.31	229.05	18.644	
16,500.00	6,227.00	10,019.26	6,286.40	180.32	68.19	-90.58	9,363.91	-535.39	4,280.00	4,045.09	234.91	18.220	
16,600.00	6,227.00	10,310.03	6,282.46	181.96	73.00	-90.53	9,654.20	-550.63	4,284.31	4,040.83	243.48	17.596	
16,700.00	6,227.00	10,396.97	6,282.31	183.61	74.44	-90.53	9,741.08	-553.94	4,288.47	4,041.89	246.58	17.392	
16,800.00	6,227.00	10,528.31	6,280.15	185.27	76.62	-90.50	9,872.30	-558.61	4,292.34	4,041.51	250.83	17.112	
16,900.00	6,227.00	10,619.70	6,276.79	186.92	78.14	-90.45	9,963.58	-561.80	4,296.14	4,042.09	254.05	16.910	
17,000.00	6,227.00	10,782.53	6,271.43	188.58	80.86	-90.38	10,126.26	-566.11	4,299.07	4,039.97	259.10	16.592	
17,100.00	6,227.00	10,912.74	6,269.32	190.24	83.02	-90.35	10,256.44	-568.01	4,300.82	4,037.52	263.30	16.334	
17,200.00	6,227.00	10,983.00	6,269.11	191.90	84.19	-90.35	10,326.69	-569.14	4,302.78	4,036.77	266.01	16.175	
17,300.00	6,227.00	11,030.00	6,269.64	193.57	84.98	-90.35	10,373.66	-570.54	4,305.90	4,037.78	268.12	16.060	
17,348.07	6,227.00	11,042.31	6,269.85	194.37	85.19	-90.36	10,385.95	-571.03	4,307.85	4,039.00	268.85	16.023 SF	

## Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	16.94	16.94	0.00	0.03	7.83	6,061.39	833.32	6,118.41				
100.00	100.00	122.84	122.84	0.27	0.21	7.83	6,061.33	833.27	6,118.34	6,117.86	0.48	N/A	
200.00	200.00	228.73	228.73	0.63	0.40	7.83	6,061.18	833.14	6,118.18	6,117.16	1.02	5,980.806	
300.00	299.98	334.60	334.60	0.98	0.58	-76.41	6,060.93	832.93	6,117.52	6,115.96	1.56	3,924.419	
400.00	399.84	440.32	440.31	1.34	0.76	-76.49	6,060.60	832.64	6,115.94	6,113.84	2.10	2,915.028	
500.00	499.45	553.74	553.73	1.71	1.09	-76.63	6,060.10	832.31	6,113.44	6,110.64	2.79	2,189.079	
600.00	598.70	653.41	653.40	2.10	1.44	-76.81	6,059.36	832.40	6,109.88	6,106.35	3.53	1,728.566	
700.00	697.47	738.30	738.30	2.51	1.74	-77.01	6,058.92	832.54	6,105.80	6,101.55	4.25	1,437.252	
800.00	795.62	891.99	891.97	2.95	2.29	-77.38	6,057.81	832.93	6,100.89	6,095.65	5.24	1,164.729	
900.00	893.06	970.00	969.98	3.44	2.57	-77.65	6,056.70	833.64	6,094.61	6,088.62	5.99	1,016.956	
1,000.00	989.64	1,010.85	1,010.82	3.96	2.71	-77.87	6,056.35	834.00	6,088.30	6,081.65	6.65	915.112	
1,100.00	1,085.27	1,062.00	1,061.97	4.54	2.88	-78.12	6,056.71	834.17	6,082.48	6,075.09	7.40	822.481	
1,200.00	1,179.82	1,062.00	1,061.97	5.16	2.88	-78.23	6,056.71	834.17	6,076.95	6,068.93	8.02	758.195	
1,300.00	1,273.17	1,120.57	1,120.53	5.85	3.07	-78.52	6,057.98	834.26	6,071.70	6,062.82	8.89	683.267	
1,400.00	1,365.21	1,155.00	1,154.94	6.59	3.19	-78.74	6,059.06	834.37	6,066.84	6,057.11	9.74	623.049	
1,500.00	1,455.84	1,189.22	1,189.13	7.40	3.30	-78.96	6,060.45	834.49	6,062.43	6,051.78	10.65	569.042	
1,600.00	1,544.94	1,246.00	1,245.82	8.28	3.50	-79.28	6,063.65	834.61	6,058.76	6,047.05	11.71	517.188	
1,700.00	1,632.39	1,337.00	1,336.66	9.23	3.81	-79.78	6,069.03	834.37	6,055.25	6,042.29	12.97	466.930	
1,800.00	1,718.11	1,408.97	1,408.52	10.25	4.06	-80.22	6,072.87	833.52	6,050.97	6,036.73	14.23	425.155	
1,900.00	1,801.97	1,459.55	1,459.01	11.35	4.24	-80.57	6,075.77	832.52	6,046.86	6,031.36	15.50	390.159	
2,005.96	1,888.70	1,521.00	1,520.31	12.60	4.45	-80.99	6,079.79	831.05	6,043.08	6,026.13	16.95	356.448	
2,100.00	1,964.66	1,587.71	1,586.83	13.75	4.69	-81.38	6,084.35	829.31	6,040.25	6,021.91	18.34	329.392	
2,200.00	2,045.44	1,795.95	1,794.68	14.99	5.43	-82.58	6,095.77	823.64	6,036.69	6,016.37	20.32	297.019	
2,300.00	2,126.22	3,360.55	3,339.51	16.24	11.21	-92.32	5,978.77	702.82	6,025.84	5,999.07	26.77	225.110	
2,400.00	2,207.00	3,401.49	3,377.62	17.50	11.42	-92.65	5,971.05	690.01	6,004.72	5,976.49	28.23	212.703	
2,500.00	2,287.78	3,422.00	3,396.52	18.77	11.52	-92.81	5,967.26	683.01	5,984.88	5,955.26	29.63	202.010	
2,600.00	2,368.56	3,467.18	3,437.78	20.04	11.76	-93.19	5,959.09	666.53	5,966.32	5,935.17	31.15	191.535	
2,700.00	2,449.34	3,495.77	3,463.64	21.31	11.92	-93.43	5,954.06	655.41	5,949.15	5,916.54	32.61	182.438	
2,800.00	2,530.12	3,527.14	3,491.77	22.59	12.09	-93.70	5,948.67	642.62	5,933.40	5,899.30	34.09	174.038	
2,900.00	2,610.90	3,576.51	3,535.58	23.88	12.39	-94.13	5,940.22	621.48	5,918.95	5,883.27	35.69	165.865	
3,000.00	2,691.68	3,614.00	3,568.47	25.16	12.62	-94.46	5,933.79	604.69	5,905.82	5,868.60	37.22	158.663	
3,100.00	2,772.46	3,640.67	3,591.67	26.45	12.79	-94.69	5,929.26	592.33	5,894.13	5,855.40	38.72	152.205	
3,200.00	2,853.23	3,662.21	3,610.27	27.74	12.94	-94.89	5,925.67	582.09	5,883.96	5,843.76	40.20	146.375	
3,300.00	2,934.01	3,682.69	3,627.85	29.03	13.08	-95.07	5,922.31	572.14	5,875.33	5,833.67	41.66	141.021	
3,400.00	3,014.79	3,709.00	3,650.28	30.32	13.26	-95.31	5,918.08	559.05	5,868.27	5,825.11	43.16	135.966	
3,500.00	3,095.57	3,726.67	3,665.28	31.61	13.39	-95.47	5,915.28	550.14	5,862.75	5,818.14	44.61	131.416	
3,600.00	3,176.35	3,754.30	3,688.73	32.91	13.59	-95.72	5,910.95	536.18	5,858.76	5,812.64	46.13	127.016	
3,700.00	3,257.13	3,781.83	3,712.09	34.20	13.79	-95.97	5,906.67	522.25	5,856.30	5,808.67	47.63	122.946	
3,800.00	3,337.91	3,864.69	3,782.56	35.50	14.43	-96.72	5,893.48	480.71	5,855.06	5,805.53	49.53	118.207	
3,858.95	3,385.53	3,922.78	3,832.07	36.26	14.89	-97.24	5,883.97	451.86	5,854.94	5,804.22	50.73	115.420	
3,900.00	3,418.69	3,931.45	3,839.47	36.80	14.96	-97.32	5,882.53	447.58	5,855.11	5,803.79	51.33	114.073	
4,000.00	3,499.47	3,952.46	3,857.40	38.09	15.14	-97.51	5,879.09	437.18	5,856.63	5,803.85	52.78	110.957	
4,100.00	3,580.25	3,973.32	3,875.19	39.39	15.31	-97.70	5,875.73	426.81	5,859.72	5,805.50	54.23	108.063	
4,200.00	3,661.03	3,996.00	3,894.51	40.69	15.49	-97.90	5,872.14	415.50	5,864.38	5,808.71	55.67	105.344	
4,300.00	3,741.81	3,996.00	3,894.51	41.99	15.49	-97.90	5,872.14	415.50	5,870.65	5,813.72	56.93	103.129	
4,400.00	3,822.58	3,996.00	3,894.51	43.29	15.49	-97.90	5,872.14	415.50	5,878.62	5,820.45	58.16	101.069	
4,500.00	3,903.36	4,029.64	3,923.16	44.59	15.78	-98.20	5,867.09	398.61	5,887.95	5,828.29	59.66	98.692	
4,600.00	3,984.14	4,041.15	3,932.96	45.89	15.88	-98.31	5,865.45	392.80	5,899.03	5,838.07	60.96	96.771	
4,700.00	4,064.92	4,052.62	3,942.73	47.20	15.97	-98.41	5,863.88	386.99	5,911.71	5,849.47	62.24	94.984	
4,800.00	4,145.70	4,091.00	3,975.39	48.50	16.30	-98.76	5,858.96	367.45	5,926.17	5,862.45	63.72	93.000	
4,900.00	4,226.48	4,091.00	3,975.39	49.80	16.30	-98.76	5,858.96	367.45	5,941.87	5,877.00	64.87	91.597	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,000.00	4,307.26	4,091.00	3,975.39	51.10	16.30	-98.76	5,858.96	367.45	5,959.21	5,893.22	66.00	90.298	
5,100.00	4,388.04	4,174.13	4,046.19	52.40	17.03	-99.51	5,848.54	325.14	5,978.01	5,910.19	67.82	88.151	
5,200.00	4,468.82	4,186.00	4,056.31	53.71	17.14	-99.61	5,847.00	319.13	5,997.97	5,928.97	69.00	86.923	
5,300.00	4,549.60	4,224.30	4,088.82	55.01	17.49	-99.96	5,842.00	299.52	6,019.30	5,948.89	70.41	85.487	
5,400.00	4,630.38	4,243.29	4,104.84	56.31	17.67	-100.13	5,839.54	289.61	6,042.14	5,970.51	71.62	84.359	
5,500.00	4,711.16	4,281.00	4,136.43	57.62	18.01	-100.47	5,834.66	269.61	6,066.49	5,993.51	72.98	83.123	
5,600.00	4,791.93	4,281.00	4,136.43	58.92	18.01	-100.47	5,834.66	269.61	6,092.16	6,018.18	73.98	82.352	
5,700.00	4,872.71	4,281.00	4,136.43	60.23	18.01	-100.47	5,834.66	269.61	6,119.35	6,044.40	74.95	81.649	
5,800.00	4,953.49	4,281.00	4,136.43	61.53	18.01	-100.47	5,834.66	269.61	6,148.05	6,072.16	75.89	81.010	
5,900.00	5,034.27	4,321.47	4,170.10	62.83	18.41	-100.84	5,829.59	247.74	6,177.90	6,100.70	77.20	80.022	
6,000.00	5,115.05	4,335.04	4,181.35	64.14	18.54	-100.96	5,827.95	240.34	6,209.29	6,131.06	78.23	79.372	
6,100.00	5,195.83	4,374.00	4,213.57	65.44	18.92	-101.32	5,823.43	218.90	6,242.18	6,162.71	79.48	78.541	
6,200.00	5,276.61	4,374.00	4,213.57	66.75	18.92	-101.32	5,823.43	218.90	6,276.19	6,195.86	80.33	78.134	
6,300.00	5,357.39	4,715.35	4,504.42	68.05	22.22	-104.34	5,783.15	45.12	6,310.59	6,226.23	84.36	74.807	
6,400.00	5,438.17	4,753.07	4,536.94	69.36	22.58	-104.67	5,778.14	26.67	6,345.20	6,259.69	85.52	74.197	
6,500.00	5,518.95	4,793.69	4,571.99	70.66	22.97	-105.02	5,772.77	6.84	6,380.95	6,294.27	86.68	73.613	
6,600.00	5,599.73	4,835.59	4,608.25	71.97	23.38	-105.38	5,767.35	-13.45	6,417.80	6,329.96	87.84	73.066	
6,700.00	5,680.51	4,852.00	4,622.48	73.27	23.54	-105.52	5,765.26	-21.35	6,455.77	6,367.03	88.73	72.755	
6,800.00	5,761.29	4,881.73	4,648.19	74.58	23.83	-105.78	5,761.47	-35.78	6,494.88	6,405.14	89.74	72.377	
6,837.84	5,791.85	4,888.47	4,653.99	75.07	23.90	-105.84	5,760.61	-39.10	6,510.00	6,419.93	90.07	72.279	
6,850.00	5,801.67	4,890.61	4,655.83	75.23	23.92	-104.02	5,760.34	-40.16	6,514.78	6,424.61	90.17	72.247	
6,900.00	5,841.80	4,899.11	4,663.13	75.88	24.00	-96.82	5,759.24	-44.37	6,532.28	6,441.66	90.62	72.088	
6,950.00	5,881.33	4,907.10	4,669.98	76.52	24.08	-90.20	5,758.22	-48.35	6,546.20	6,455.14	91.06	71.885	
7,000.00	5,919.97	4,914.53	4,676.34	77.14	24.16	-84.28	5,757.26	-52.07	6,556.48	6,464.96	91.51	71.644	
7,050.00	5,957.41	4,948.00	4,704.85	77.74	24.49	-79.33	5,752.92	-69.07	6,563.17	6,470.96	92.21	71.179	
7,100.00	5,993.37	4,948.00	4,704.85	78.32	24.49	-74.85	5,752.92	-69.07	6,565.95	6,473.37	92.58	70.922	
7,150.00	6,027.59	4,948.00	4,704.85	78.86	24.49	-71.10	5,752.92	-69.07	6,564.99	6,472.05	92.94	70.635	
7,200.00	6,059.79	4,948.00	4,704.85	79.36	24.49	-68.02	5,752.92	-69.07	6,560.29	6,467.01	93.29	70.324	
7,250.00	6,089.73	6,192.00	5,855.74	79.83	33.59	-76.00	5,624.26	-481.56	6,549.02	6,446.68	102.34	63.991	
7,300.00	6,117.20	6,192.00	5,855.74	80.25	33.59	-74.48	5,624.26	-481.56	6,534.12	6,431.41	102.70	63.621	
7,350.00	6,141.96	6,192.00	5,855.74	80.63	33.59	-73.57	5,624.26	-481.56	6,516.02	6,412.99	103.04	63.241	
7,400.00	6,163.85	6,192.00	5,855.74	80.98	33.59	-73.23	5,624.26	-481.56	6,494.85	6,391.51	103.34	62.851	
7,450.00	6,182.69	6,192.00	5,855.74	81.28	33.59	-73.48	5,624.26	-481.56	6,470.73	6,367.12	103.61	62.453	
7,500.00	6,198.33	6,192.00	5,855.74	81.54	33.59	-74.32	5,624.26	-481.56	6,443.81	6,339.96	103.85	62.049	
7,550.00	6,210.67	6,192.00	5,855.74	81.77	33.59	-75.79	5,624.26	-481.56	6,414.28	6,310.21	104.06	61.639	
7,600.00	6,219.60	6,192.00	5,855.74	81.96	33.59	-77.94	5,624.26	-481.56	6,382.30	6,278.06	104.25	61.223	
7,650.00	6,225.05	6,192.00	5,855.74	82.11	33.59	-80.82	5,624.26	-481.56	6,348.10	6,243.70	104.41	60.802	
7,702.53	6,227.00	6,192.00	5,855.74	82.24	33.59	-84.73	5,624.26	-481.56	6,310.03	6,205.48	104.55	60.355	
7,800.00	6,227.00	6,214.03	5,877.75	82.45	33.64	-85.03	5,624.64	-482.49	6,237.41	6,132.54	104.87	59.476	
7,900.00	6,227.00	6,214.42	5,878.13	82.68	33.64	-85.03	5,624.65	-482.50	6,164.06	6,058.92	105.14	58.628	
8,000.00	6,227.00	6,214.83	5,878.54	82.93	33.64	-85.04	5,624.67	-482.52	6,091.46	5,986.05	105.41	57.786	
8,100.00	6,227.00	6,215.25	5,878.96	83.20	33.64	-85.04	5,624.69	-482.54	6,019.65	5,913.95	105.70	56.950	
8,200.00	6,227.00	6,215.69	5,879.40	83.49	33.64	-85.05	5,624.71	-482.56	5,948.65	5,842.65	106.00	56.120	
8,300.00	6,227.00	6,216.15	5,879.86	83.80	33.64	-85.06	5,624.73	-482.57	5,878.50	5,772.19	106.31	55.297	
8,400.00	6,227.00	4,910.13	4,672.58	84.12	24.11	-67.36	5,757.83	-49.86	5,808.05	5,711.49	96.56	60.147	
8,500.00	6,227.00	4,904.89	4,668.09	84.47	24.06	-67.29	5,758.50	-47.25	5,737.31	5,640.55	96.76	59.292	
8,600.00	6,227.00	4,899.67	4,663.61	84.83	24.01	-67.22	5,759.17	-44.65	5,667.44	5,570.47	96.97	58.444	
8,700.00	6,227.00	4,894.46	4,659.14	85.22	23.96	-67.15	5,759.84	-42.06	5,598.48	5,501.29	97.19	57.605	
8,800.00	6,227.00	4,889.26	4,654.67	85.62	23.91	-67.08	5,760.51	-39.49	5,530.45	5,433.04	97.41	56.774	
8,900.00	6,227.00	4,884.08	4,650.21	86.05	23.85	-67.00	5,761.17	-36.94	5,463.39	5,365.74	97.64	55.952	
9,000.00	6,227.00	4,852.00	4,622.48	86.51	23.54	-66.56	5,765.26	-21.35	5,397.50	5,299.91	97.59	55.307	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,100.00	6,227.00	4,852.00	4,622.48	86.98	23.54	-66.56	5,765.26	-21.35	5,332.44	5,234.54	97.90	54.471	
9,200.00	6,227.00	4,852.00	4,622.48	87.49	23.54	-66.56	5,765.26	-21.35	5,268.47	5,170.26	98.21	53.646	
9,300.00	6,227.00	4,852.00	4,622.48	88.01	23.54	-66.56	5,765.26	-21.35	5,205.63	5,107.10	98.53	52.833	
9,400.00	6,227.00	4,852.00	4,622.48	88.56	23.54	-66.56	5,765.26	-21.35	5,143.98	5,045.12	98.86	52.033	
9,500.00	6,227.00	4,856.43	4,626.32	89.14	23.58	-66.62	5,764.70	-23.47	5,083.54	4,984.29	99.25	51.220	
9,600.00	6,227.00	4,838.62	4,610.87	89.75	23.41	-66.37	5,766.97	-14.91	5,024.35	4,924.95	99.39	50.550	
9,700.00	6,227.00	4,820.49	4,595.17	90.38	23.23	-66.12	5,769.29	-6.16	4,966.42	4,866.88	99.54	49.893	
9,800.00	6,227.00	4,802.03	4,579.19	91.04	23.05	-65.87	5,771.69	2.79	4,909.80	4,810.12	99.69	49.252	
9,900.00	6,227.00	4,783.23	4,562.95	91.73	22.87	-65.60	5,774.15	11.93	4,854.53	4,754.70	99.83	48.627	
10,000.00	6,227.00	4,764.07	4,546.42	92.44	22.69	-65.34	5,776.67	21.28	4,800.65	4,700.68	99.98	48.018	
10,100.00	6,227.00	4,749.38	4,533.76	93.19	22.55	-65.13	5,778.63	28.48	4,748.22	4,648.05	100.17	47.399	
10,200.00	6,227.00	4,737.40	4,523.44	93.96	22.43	-64.97	5,780.22	34.34	4,697.30	4,596.89	100.41	46.782	
10,300.00	6,227.00	4,725.43	4,513.12	94.76	22.32	-64.80	5,781.81	40.19	4,647.93	4,547.29	100.64	46.182	
10,400.00	6,227.00	4,713.49	4,502.82	95.59	22.20	-64.63	5,783.40	46.03	4,600.17	4,499.29	100.88	45.599	
10,500.00	6,227.00	4,701.56	4,492.53	96.45	22.09	-64.47	5,784.98	51.85	4,554.08	4,452.96	101.12	45.036	
10,600.00	6,227.00	4,689.65	4,482.26	97.34	21.97	-64.30	5,786.56	57.66	4,509.69	4,408.33	101.36	44.492	
10,700.00	6,227.00	4,677.76	4,471.99	98.26	21.86	-64.14	5,788.13	63.46	4,467.07	4,365.47	101.60	43.968	
10,800.00	6,227.00	4,348.70	4,192.67	99.20	18.68	-59.52	5,826.34	232.85	4,426.03	4,328.47	97.56	45.365	
10,900.00	6,227.00	4,343.10	4,188.03	100.18	18.62	-59.44	5,826.99	235.92	4,386.25	4,288.41	97.84	44.831	
11,000.00	6,227.00	4,337.41	4,183.32	101.18	18.56	-59.36	5,827.67	239.04	4,348.38	4,250.27	98.11	44.321	
11,100.00	6,227.00	4,331.63	4,178.52	102.20	18.51	-59.28	5,828.36	242.20	4,312.49	4,214.11	98.38	43.836	
11,200.00	6,227.00	4,325.74	4,173.65	103.26	18.45	-59.20	5,829.07	245.41	4,278.61	4,179.97	98.64	43.376	
11,300.00	6,227.00	4,319.76	4,168.68	104.33	18.39	-59.11	5,829.80	248.66	4,246.81	4,147.91	98.90	42.941	
11,400.00	6,227.00	4,313.68	4,163.63	105.44	18.33	-59.03	5,830.54	251.97	4,217.12	4,117.97	99.15	42.534	
11,500.00	6,227.00	4,307.49	4,158.49	106.57	18.27	-58.94	5,831.31	255.32	4,189.58	4,090.19	99.39	42.154	
11,600.00	6,227.00	4,281.00	4,136.43	107.72	18.01	-58.57	5,834.66	269.61	4,164.35	4,065.03	99.32	41.929	
11,700.00	6,227.00	4,281.00	4,136.43	108.89	18.01	-58.57	5,834.66	269.61	4,141.20	4,041.57	99.63	41.564	
11,800.00	6,227.00	4,281.00	4,136.43	110.09	18.01	-58.57	5,834.66	269.61	4,120.36	4,020.42	99.94	41.229	
11,900.00	6,227.00	4,281.00	4,136.43	111.31	18.01	-58.57	5,834.66	269.61	4,101.84	4,001.61	100.24	40.922	
12,000.00	6,227.00	4,281.00	4,136.43	112.54	18.01	-58.57	5,834.66	269.61	4,085.69	3,985.17	100.52	40.646	
12,100.00	6,227.00	4,281.00	4,136.43	113.80	18.01	-58.57	5,834.66	269.61	4,071.94	3,971.14	100.79	40.399	
12,200.00	6,227.00	4,281.00	4,136.43	115.08	18.01	-58.57	5,834.66	269.61	4,060.60	3,959.54	101.05	40.182	
12,300.00	6,227.00	4,281.00	4,136.43	116.37	18.01	-58.57	5,834.66	269.61	4,051.69	3,950.39	101.30	39.997	
12,400.00	6,227.00	4,281.00	4,136.43	117.69	18.01	-58.57	5,834.66	269.61	4,045.24	3,943.71	101.53	39.841	
12,500.00	6,227.00	4,250.57	4,110.96	119.02	17.73	-58.14	5,838.59	285.79	4,040.97	3,939.69	101.28	39.898	
12,600.00	6,227.00	4,245.39	4,106.60	120.36	17.68	-58.07	5,839.26	288.51	4,039.35	3,937.95	101.40	39.835	
12,615.90	6,227.00	4,244.56	4,105.91	120.58	17.68	-58.06	5,839.37	288.95	4,039.32	3,937.90	101.42	39.828 CC, ES	
12,700.00	6,227.00	4,240.20	4,102.23	121.72	17.64	-58.00	5,839.94	291.24	4,040.19	3,938.68	101.51	39.802	
12,800.00	6,227.00	4,235.00	4,097.85	123.10	17.59	-57.92	5,840.61	293.95	4,043.48	3,941.89	101.59	39.801	
12,900.00	6,227.00	4,229.79	4,093.46	124.49	17.54	-57.85	5,841.29	296.67	4,049.23	3,947.56	101.66	39.829	
13,000.00	6,227.00	4,224.58	4,089.06	125.89	17.49	-57.78	5,841.97	299.37	4,057.41	3,955.70	101.72	39.889	
13,100.00	6,227.00	4,219.36	4,084.64	127.31	17.44	-57.70	5,842.65	302.08	4,068.03	3,966.27	101.76	39.978	
13,200.00	6,227.00	4,186.00	4,056.31	128.74	17.14	-57.23	5,847.00	319.13	4,081.29	3,979.95	101.33	40.276	
13,300.00	6,227.00	4,186.00	4,056.31	130.18	17.14	-57.23	5,847.00	319.13	4,096.61	3,995.19	101.42	40.392	
13,400.00	6,227.00	4,186.00	4,056.31	131.63	17.14	-57.23	5,847.00	319.13	4,114.30	4,012.81	101.49	40.539	
13,500.00	6,227.00	4,186.00	4,056.31	133.09	17.14	-57.23	5,847.00	319.13	4,134.34	4,032.79	101.55	40.714	
13,600.00	6,227.00	4,186.00	4,056.31	134.57	17.14	-57.23	5,847.00	319.13	4,156.68	4,055.10	101.59	40.918	
13,700.00	6,227.00	4,191.34	4,060.86	136.05	17.18	-57.31	5,846.30	316.43	4,181.30	4,079.61	101.69	41.117	
13,800.00	6,227.00	4,176.24	4,047.99	137.54	17.05	-57.10	5,848.27	324.07	4,208.14	4,106.67	101.47	41.472	
13,900.00	6,227.00	4,161.49	4,035.42	139.05	16.92	-56.89	5,850.17	331.55	4,237.13	4,135.90	101.24	41.853	
14,000.00	6,227.00	4,147.09	4,023.14	140.56	16.79	-56.69	5,852.01	338.86	4,268.22	4,167.23	101.00	42.261	

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE E-A-24HNC - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 484-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.00	6,227.00	4,133.01	4,011.15	142.07	16.67	-56.49	5,853.79	346.02	4,301.37	4,200.62	100.75	42.693	
14,200.00	6,227.00	8,116.00	6,419.31	143.60	39.23	-92.33	7,265.33	-606.98	4,335.20	4,170.17	165.03	26.269	
14,300.00	6,227.00	8,177.03	6,419.43	145.14	39.85	-92.33	7,326.32	-608.98	4,339.04	4,171.86	167.18	25.955	
14,400.00	6,227.00	8,259.96	6,419.54	146.68	40.73	-92.33	7,409.15	-613.08	4,344.25	4,174.41	169.84	25.579	
14,500.00	6,227.00	8,460.13	6,422.39	148.23	43.03	-92.37	7,609.20	-619.20	4,347.33	4,172.09	175.24	24.809	
14,600.00	6,227.00	8,588.14	6,422.31	149.78	44.60	-92.36	7,737.17	-622.01	4,349.92	4,170.90	179.02	24.299	
14,700.00	6,227.00	8,716.84	6,420.90	151.35	46.24	-92.34	7,865.84	-623.53	4,351.34	4,168.48	182.85	23.797	
14,800.00	6,227.00	8,786.00	6,421.24	152.91	47.14	-92.35	7,935.00	-624.56	4,353.16	4,167.81	185.35	23.487	
14,900.00	6,227.00	8,882.00	6,421.07	154.49	48.43	-92.34	8,030.99	-625.98	4,355.00	4,166.52	188.48	23.106	
15,000.00	6,227.00	8,929.70	6,420.68	156.07	49.10	-92.34	8,078.68	-626.97	4,357.60	4,167.11	190.49	22.876	
15,100.00	6,227.00	8,977.00	6,420.66	157.65	49.76	-92.34	8,125.93	-628.89	4,361.79	4,169.31	192.48	22.661	
15,200.00	6,227.00	9,026.08	6,420.74	159.24	50.46	-92.34	8,174.95	-631.46	4,367.18	4,172.67	194.50	22.453	
15,300.00	6,227.00	9,219.90	6,421.09	160.84	53.29	-92.34	8,368.55	-640.49	4,372.49	4,172.39	200.10	21.851	
15,400.00	6,227.00	9,317.28	6,420.19	162.44	54.73	-92.32	8,465.88	-643.48	4,375.88	4,172.52	203.35	21.519	
15,500.00	6,227.00	9,399.54	6,419.08	164.05	55.97	-92.31	8,548.07	-646.52	4,379.86	4,173.61	206.25	21.236	
15,600.00	6,227.00	9,556.50	6,417.31	165.66	58.35	-92.28	8,704.93	-651.74	4,383.60	4,172.62	210.98	20.778	
15,700.00	6,227.00	9,599.42	6,416.45	167.27	59.01	-92.27	8,747.82	-653.16	4,387.09	4,174.15	212.93	20.603	
15,800.00	6,227.00	9,650.85	6,416.07	168.89	59.81	-92.26	8,799.20	-655.41	4,391.76	4,176.68	215.08	20.419	
15,900.00	6,227.00	9,773.46	6,418.72	170.51	61.72	-92.29	8,921.66	-660.63	4,396.39	4,177.37	219.02	20.073	
16,000.00	6,227.00	9,847.14	6,420.63	172.14	62.88	-92.32	8,995.24	-664.01	4,401.41	4,179.67	221.74	19.850	
16,100.00	6,227.00	9,955.97	6,421.59	173.77	64.61	-92.33	9,103.94	-669.00	4,406.36	4,181.01	225.35	19.553	
16,200.00	6,227.00	10,028.00	6,421.32	175.40	65.77	-92.32	9,175.87	-672.77	4,411.88	4,183.84	228.03	19.347	
16,300.00	6,227.00	10,112.79	6,421.86	177.04	67.14	-92.32	9,260.52	-677.59	4,417.90	4,186.85	231.05	19.121	
16,400.00	6,227.00	10,261.87	6,427.02	178.68	69.55	-92.39	9,409.35	-684.57	4,422.93	4,187.20	235.72	18.763	
16,500.00	6,227.00	10,333.73	6,429.55	180.32	70.71	-92.42	9,481.08	-687.97	4,428.16	4,189.74	238.42	18.573	
16,600.00	6,227.00	10,410.00	6,432.00	181.96	71.96	-92.45	9,557.20	-692.10	4,434.04	4,192.81	241.23	18.381	
16,700.00	6,227.00	10,618.73	6,434.11	183.61	75.38	-92.47	9,765.72	-700.60	4,438.08	4,190.64	247.44	17.936	
16,800.00	6,227.00	10,698.00	6,433.17	185.27	76.69	-92.46	9,844.93	-703.58	4,442.09	4,191.74	250.35	17.743	
16,900.00	6,227.00	10,770.33	6,431.92	186.92	77.88	-92.44	9,917.18	-706.71	4,446.64	4,193.55	253.09	17.569	
17,000.00	6,227.00	10,837.35	6,430.38	188.58	79.00	-92.42	9,984.11	-709.89	4,451.67	4,195.98	255.69	17.410	
17,100.00	6,227.00	10,900.80	6,428.75	190.24	80.06	-92.39	10,047.43	-713.49	4,457.56	4,199.38	258.18	17.265	
17,200.00	6,227.00	10,981.00	6,426.17	191.90	81.41	-92.36	10,127.43	-718.57	4,464.10	4,202.98	261.12	17.096	
17,300.00	6,227.00	11,042.22	6,423.69	193.57	82.45	-92.32	10,188.45	-722.86	4,471.28	4,207.74	263.54	16.966	
17,348.07	6,227.00	11,077.00	6,422.07	194.37	83.04	-92.30	10,223.09	-725.51	4,475.01	4,210.17	264.84	16.897 SF	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	50.57	50.57	0.00	0.08	7.04	6,061.61	748.26	6,107.73				
100.00	100.00	225.31	225.29	0.27	0.61	7.03	6,059.19	747.36	6,106.12	6,105.24	0.88	6,903.679	
200.00	200.00	314.60	314.56	0.63	0.94	7.03	6,057.65	747.17	6,104.38	6,102.82	1.56	3,911.935	
300.00	299.98	420.19	420.14	0.98	1.32	-77.23	6,055.85	747.24	6,102.32	6,100.03	2.29	2,663.664	
400.00	399.84	488.83	488.78	1.34	1.56	-77.31	6,054.84	747.17	6,099.68	6,096.78	2.89	2,108.559	
500.00	499.45	582.35	582.29	1.71	1.90	-77.45	6,053.84	746.90	6,096.66	6,093.06	3.60	1,694.366	
600.00	598.70	681.69	681.62	2.10	2.26	-77.64	6,052.71	746.58	6,092.84	6,088.49	4.34	1,402.952	
700.00	697.47	772.17	772.10	2.51	2.58	-77.85	6,051.79	746.19	6,088.41	6,083.33	5.08	1,198.535	
800.00	795.62	880.29	880.20	2.95	2.97	-78.15	6,050.71	745.44	6,083.28	6,077.37	5.91	1,029.378	
900.00	893.06	974.97	974.88	3.44	3.31	-78.47	6,049.71	744.57	6,077.44	6,070.71	6.73	903.429	
1,000.00	899.64	1,080.44	1,080.34	3.96	3.68	-78.86	6,048.60	743.57	6,070.98	6,063.36	7.63	796.167	
1,100.00	1,085.27	1,176.82	1,176.70	4.54	4.03	-79.27	6,047.40	742.71	6,063.81	6,055.27	8.54	710.175	
1,200.00	1,179.82	1,258.05	1,257.93	5.16	4.32	-79.67	6,046.52	741.93	6,056.30	6,046.85	9.45	640.872	
1,300.00	1,273.17	1,355.42	1,355.29	5.85	4.67	-80.16	6,045.54	740.99	6,048.43	6,037.95	10.48	577.349	
1,400.00	1,365.21	1,442.05	1,441.91	6.59	4.98	-80.64	6,044.64	740.22	6,040.18	6,028.65	11.53	524.069	
1,500.00	1,455.84	1,528.48	1,528.33	7.40	5.29	-81.16	6,043.86	739.47	6,031.75	6,019.11	12.64	477.216	
1,600.00	1,544.94	1,624.86	1,624.70	8.28	5.64	-81.75	6,042.92	738.60	6,023.05	6,009.19	13.86	434.644	
1,700.00	1,632.39	1,739.14	1,738.98	9.23	6.05	-82.46	6,041.46	737.97	6,013.97	5,998.76	15.21	395.405	
1,800.00	1,718.11	1,814.23	1,814.06	10.25	6.32	-83.01	6,040.35	737.95	6,004.69	5,988.20	16.50	363.994	
1,900.00	1,801.97	2,972.93	2,962.75	11.35	10.76	-89.88	5,931.02	682.56	5,995.51	5,974.03	21.47	279.222	
2,005.96	1,888.70	2,976.00	2,965.75	12.60	10.77	-90.39	5,930.45	682.21	5,971.77	5,949.01	22.76	262.410	
2,100.00	1,964.66	3,033.09	3,021.56	13.75	11.02	-90.77	5,920.19	675.97	5,951.53	5,927.40	24.12	246.709	
2,200.00	2,045.44	3,062.39	3,050.28	14.99	11.14	-90.96	5,915.22	672.94	5,931.42	5,905.93	25.49	232.668	
2,300.00	2,126.22	3,102.00	3,089.17	16.24	11.32	-91.23	5,908.83	669.01	5,912.60	5,885.69	26.91	219.713	
2,400.00	2,207.00	3,127.00	3,095.01	17.50	14.30	-95.56	5,777.97	592.47	5,889.40	5,859.19	30.21	194.926	
2,500.00	2,287.78	3,784.96	3,750.51	18.77	14.60	-95.98	5,763.45	584.22	5,865.81	5,834.08	31.72	184.899	
2,600.00	2,368.56	3,853.93	3,816.52	20.04	14.97	-96.48	5,746.15	574.20	5,843.04	5,809.76	33.28	175.572	
2,700.00	2,449.34	3,918.41	3,878.23	21.31	15.31	-96.95	5,729.98	564.78	5,821.13	5,786.30	34.83	167.120	
2,800.00	2,530.12	3,976.00	3,933.35	22.59	15.62	-97.37	5,715.57	556.41	5,800.11	5,763.75	36.37	159.477	
2,900.00	2,610.90	4,014.24	3,970.00	23.88	15.83	-97.65	5,706.13	550.91	5,780.21	5,742.36	37.85	152.704	
3,000.00	2,691.68	4,049.07	4,003.44	25.16	16.01	-97.91	5,697.74	545.99	5,761.57	5,722.24	39.33	146.495	
3,100.00	2,772.46	4,101.00	4,053.42	26.45	16.29	-98.29	5,685.59	538.80	5,744.24	5,703.37	40.86	140.568	
3,200.00	2,853.23	4,137.16	4,088.25	27.74	16.49	-98.55	5,677.29	533.78	5,728.03	5,685.68	42.35	135.243	
3,300.00	2,934.01	4,205.14	4,153.66	29.03	16.85	-99.05	5,661.63	523.95	5,712.81	5,668.86	43.95	129.993	
3,400.00	3,014.79	4,266.86	4,213.01	30.32	17.18	-99.51	5,647.40	514.71	5,698.52	5,652.99	45.52	125.178	
3,500.00	3,095.57	4,326.35	4,270.24	31.61	17.51	-99.95	5,633.78	505.89	5,685.24	5,638.14	47.09	120.720	
3,600.00	3,176.35	4,351.00	4,293.97	32.91	17.64	-100.13	5,628.17	502.27	5,673.10	5,624.55	48.55	116.846	
3,700.00	3,257.13	4,398.11	4,339.44	34.20	17.88	-100.48	5,617.75	495.70	5,662.20	5,612.13	50.08	113.074	
3,800.00	3,337.91	4,428.73	4,369.12	35.50	18.04	-100.70	5,611.31	491.78	5,652.74	5,601.19	51.54	109.670	
3,900.00	3,418.69	4,477.00	4,416.08	36.80	18.30	-101.05	5,601.67	486.18	5,644.70	5,591.64	53.06	106.375	
4,000.00	3,499.47	4,477.00	4,416.08	38.09	18.30	-101.05	5,601.67	486.18	5,637.96	5,583.54	54.42	103.594	
4,100.00	3,580.25	4,531.86	4,469.61	39.39	18.57	-101.44	5,591.31	480.15	5,632.48	5,576.53	55.95	100.671	
4,200.00	3,661.03	4,569.18	4,506.08	40.69	18.76	-101.71	5,584.53	475.97	5,628.35	5,570.93	57.41	98.032	
4,300.00	3,741.81	4,602.00	4,538.17	41.99	18.92	-101.94	5,578.74	472.25	5,625.52	5,566.66	58.86	95.582	
4,400.00	3,822.58	4,669.49	4,604.23	43.29	19.25	-102.42	5,567.14	464.75	5,623.81	5,563.41	60.40	93.107	
4,500.00	3,903.36	4,741.77	4,675.08	44.59	19.60	-102.93	5,554.98	457.16	5,623.10	5,561.15	61.96	90.761	
4,599.64	3,983.85	4,852.30	4,783.36	45.89	20.14	-103.71	5,535.62	446.38	5,622.44	5,558.83	63.62	88.382	
4,600.00	3,984.14	4,852.57	4,783.62	45.89	20.14	-103.71	5,535.57	446.36	5,622.44	5,558.82	63.62	88.374	
4,700.00	4,064.92	4,899.94	4,830.07	47.20	20.36	-104.04	5,527.33	442.15	5,622.82	5,557.75	65.07	86.411	
4,800.00	4,145.70	4,928.50	4,858.18	48.50	20.50	-104.24	5,522.74	439.82	5,624.69	5,558.24	66.45	84.641	
4,900.00	4,226.48	4,978.00	4,907.00	49.80	20.73	-104.57	5,515.47	436.16	5,628.06	5,560.16	67.89	82.898	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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
5,000.00	4,307.26	4,978.00	4,907.00	51.10	20.73	-104.57	5,515.47	436.16	5,632.63	5,563.48	69.16	81.448	
5,100.00	4,388.04	5,026.24	4,954.71	52.40	20.94	-104.90	5,509.08	433.00	5,638.56	5,568.01	70.55	79.919	
5,200.00	4,468.82	5,063.90	4,992.02	53.71	21.10	-105.15	5,504.50	430.80	5,645.78	5,573.87	71.91	78.516	
5,300.00	4,549.60	5,102.00	5,029.83	55.01	21.26	-105.40	5,500.22	428.80	5,654.24	5,581.00	73.25	77.195	
5,400.00	4,630.38	5,102.00	5,029.83	56.31	21.26	-105.40	5,500.22	428.80	5,664.20	5,589.76	74.44	76.089	
5,500.00	4,711.16	5,170.66	5,098.11	57.62	21.53	-105.83	5,493.60	425.94	5,674.98	5,599.14	75.84	74.828	
5,600.00	4,791.93	5,227.00	5,154.26	58.92	21.75	-106.18	5,489.33	424.39	5,687.33	5,610.15	77.19	73.681	
5,700.00	4,872.71	5,227.00	5,154.26	60.23	21.75	-106.18	5,489.33	424.39	5,700.79	5,622.46	78.33	72.778	
5,800.00	4,953.49	5,271.54	5,198.71	61.53	21.91	-106.46	5,486.67	423.49	5,715.54	5,635.94	79.60	71.804	
5,900.00	5,034.27	5,303.40	5,230.53	62.83	22.02	-106.65	5,485.13	422.89	5,731.59	5,650.78	80.81	70.928	
6,000.00	5,115.05	5,353.00	5,280.09	64.14	22.19	-106.95	5,483.34	422.02	5,748.96	5,666.89	82.06	70.054	
6,100.00	5,195.83	5,353.00	5,280.09	65.44	22.19	-106.95	5,483.34	422.02	5,767.48	5,684.35	83.12	69.383	
6,200.00	5,276.61	5,418.56	5,345.63	66.75	22.40	-107.33	5,481.92	421.21	5,787.02	5,702.62	84.40	68.570	
6,300.00	5,357.39	5,478.00	5,405.06	68.05	22.59	-107.67	5,481.44	420.99	5,807.67	5,722.04	85.63	67.820	
6,400.00	5,438.17	5,547.79	5,474.86	69.36	22.80	-108.07	5,481.30	421.13	5,829.09	5,742.21	86.88	67.090	
6,500.00	5,518.95	5,640.28	5,567.34	70.66	23.07	-108.58	5,481.02	421.64	5,850.85	5,762.65	88.20	66.336	
6,600.00	5,599.73	5,724.26	5,651.32	71.97	23.32	-109.05	5,480.70	422.12	5,873.04	5,783.57	89.47	65.640	
6,700.00	5,680.51	5,806.43	5,733.48	73.27	23.56	-109.51	5,480.33	422.56	5,895.70	5,804.97	90.73	64.979	
6,800.00	5,761.29	5,888.49	5,815.54	74.58	23.81	-109.96	5,479.93	422.97	5,918.84	5,826.86	91.98	64.348	
6,837.84	5,791.85	5,919.50	5,846.56	75.07	23.91	-110.13	5,479.76	423.10	5,927.72	5,835.27	92.45	64.117	
6,850.00	5,801.67	5,929.46	5,856.52	75.23	23.94	-108.41	5,479.70	423.14	5,930.47	5,837.87	92.60	64.042	
6,900.00	5,841.80	5,970.13	5,897.19	75.88	24.06	-101.63	5,479.47	423.30	5,939.47	5,846.23	93.24	63.703	
6,950.00	5,881.33	6,001.55	5,928.60	76.52	24.16	-95.40	5,479.30	423.41	5,944.70	5,850.85	93.85	63.342	
7,000.00	5,919.97	6,013.00	5,940.05	77.14	24.19	-89.76	5,479.24	423.43	5,946.25	5,851.84	94.40	62.990	
7,050.00	5,957.41	6,013.00	5,940.05	77.74	24.19	-84.84	5,479.24	423.43	5,944.23	5,849.33	94.90	62.634	
7,100.00	5,993.37	6,027.44	5,954.50	78.32	24.23	-80.79	5,479.29	423.45	5,938.57	5,843.12	95.45	62.214	
7,150.00	6,027.59	6,045.00	5,972.05	78.86	24.29	-77.53	5,479.66	423.48	5,929.52	5,833.52	96.00	61.765	
7,200.00	6,059.79	6,045.00	5,972.05	79.36	24.29	-74.86	5,479.66	423.48	5,916.86	5,820.40	96.46	61.337	
7,250.00	6,089.73	6,045.00	5,972.05	79.83	24.29	-72.87	5,479.66	423.48	5,900.84	5,803.94	96.90	60.894	
7,300.00	6,117.20	6,045.00	5,972.05	80.25	24.29	-71.53	5,479.66	423.48	5,881.56	5,784.25	97.31	60.439	
7,350.00	6,141.96	6,045.00	5,972.05	80.63	24.29	-70.80	5,479.66	423.48	5,859.13	5,761.43	97.70	59.973	
7,400.00	6,163.85	6,045.00	5,972.05	80.98	24.29	-70.68	5,479.66	423.48	5,833.68	5,735.64	98.05	59.498	
7,450.00	6,182.69	6,045.00	5,972.05	81.28	24.29	-71.18	5,479.66	423.48	5,805.38	5,707.01	98.37	59.017	
7,500.00	6,198.33	6,045.00	5,972.05	81.54	24.29	-72.35	5,479.66	423.48	5,774.39	5,675.74	98.66	58.530	
7,550.00	6,210.67	6,045.00	5,972.05	81.77	24.29	-74.22	5,479.66	423.48	5,740.92	5,642.00	98.92	58.038	
7,600.00	6,219.60	6,045.00	5,972.05	81.96	24.29	-76.89	5,479.66	423.48	5,705.17	5,606.02	99.15	57.543	
7,650.00	6,225.05	6,045.00	5,972.05	82.11	24.29	-80.46	5,479.66	423.48	5,667.37	5,568.02	99.35	57.044	
7,702.53	6,227.00	6,045.00	5,972.05	82.24	24.29	-85.33	5,479.66	423.48	5,625.74	5,526.20	99.54	56.518	
7,800.00	6,227.00	6,045.00	5,972.05	82.45	24.29	-85.33	5,479.66	423.48	5,547.13	5,447.26	99.87	55.543	
7,900.00	6,227.00	6,045.00	5,972.05	82.68	24.29	-85.33	5,479.66	423.48	5,467.11	5,366.89	100.22	54.550	
8,000.00	6,227.00	6,045.00	5,972.05	82.93	24.29	-85.33	5,479.66	423.48	5,387.76	5,287.17	100.59	53.564	
8,100.00	6,227.00	6,059.10	5,986.13	83.20	24.32	-85.57	5,480.30	423.48	5,308.91	5,207.89	101.03	52.550	
8,200.00	6,227.00	6,059.69	5,986.72	83.49	24.32	-85.58	5,480.34	423.48	5,230.98	5,129.56	101.42	51.577	
8,300.00	6,227.00	6,060.31	5,987.34	83.80	24.32	-85.59	5,480.38	423.48	5,153.80	5,051.97	101.83	50.613	
8,400.00	6,227.00	6,060.95	5,987.98	84.12	24.33	-85.60	5,480.42	423.48	5,077.42	4,975.17	102.25	49.657	
8,500.00	6,227.00	6,061.62	5,988.65	84.47	24.33	-85.62	5,480.46	423.48	5,001.87	4,899.18	102.69	48.710	
8,600.00	6,227.00	6,076.00	6,002.98	84.83	24.36	-85.86	5,481.60	423.42	4,927.36	4,824.16	103.20	47.744	
8,700.00	6,227.00	6,076.00	6,002.98	85.22	24.36	-85.86	5,481.60	423.42	4,853.57	4,749.91	103.67	46.819	
8,800.00	6,227.00	6,076.00	6,002.98	85.62	24.36	-85.86	5,481.60	423.42	4,780.74	4,676.59	104.14	45.905	
8,900.00	6,227.00	6,076.00	6,002.98	86.05	24.36	-85.86	5,481.60	423.42	4,708.90	4,604.26	104.64	45.002	
9,000.00	6,227.00	6,076.00	6,002.98	86.51	24.36	-85.86	5,481.60	423.42	4,638.11	4,532.96	105.15	44.111	

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-20-07
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-20-07	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	
9,100.00	6,227.00	6,076.00	6,002.98	86.98	24.36	-85.86	5,481.60	423.42	4,568.40	4,462.73	105.67	43.234	
9,200.00	6,227.00	6,076.00	6,002.98	87.49	24.36	-85.86	5,481.60	423.42	4,499.84	4,393.64	106.20	42.370	
9,300.00	6,227.00	6,076.00	6,002.98	88.01	24.36	-85.86	5,481.60	423.42	4,432.48	4,325.72	106.76	41.520	
9,400.00	6,227.00	6,076.00	6,002.98	88.56	24.36	-85.86	5,481.60	423.42	4,366.36	4,259.04	107.32	40.685	
9,500.00	6,227.00	6,076.00	6,002.98	89.14	24.36	-85.86	5,481.60	423.42	4,301.56	4,193.66	107.90	39.866	
9,600.00	6,227.00	6,076.00	6,002.98	89.75	24.36	-85.86	5,481.60	423.42	4,238.12	4,129.63	108.49	39.064	
9,700.00	6,227.00	6,076.00	6,002.98	90.38	24.36	-85.86	5,481.60	423.42	4,176.12	4,067.02	109.10	38.279	
9,800.00	6,227.00	6,076.00	6,002.98	91.04	24.36	-85.86	5,481.60	423.42	4,115.61	4,005.90	109.71	37.513	
9,900.00	6,227.00	6,076.00	6,002.98	91.73	24.36	-85.86	5,481.60	423.42	4,056.66	3,946.33	110.34	36.766	
10,000.00	6,227.00	6,076.00	6,002.98	92.44	24.36	-85.86	5,481.60	423.42	3,999.35	3,888.38	110.97	36.039	
10,100.00	6,227.00	6,076.00	6,002.98	93.19	24.36	-85.86	5,481.60	423.42	3,943.74	3,832.13	111.62	35.333	
10,200.00	6,227.00	6,076.00	6,002.98	93.96	24.36	-85.86	5,481.60	423.42	3,889.91	3,777.64	112.26	34.650	
10,300.00	6,227.00	6,076.00	6,002.98	94.76	24.36	-85.86	5,481.60	423.42	3,837.92	3,725.01	112.92	33.989	
10,400.00	6,227.00	6,076.00	6,002.98	95.59	24.36	-85.86	5,481.60	423.42	3,787.87	3,674.30	113.57	33.353	
10,500.00	6,227.00	6,076.00	6,002.98	96.45	24.36	-85.86	5,481.60	423.42	3,739.81	3,625.59	114.22	32.741	
10,600.00	6,227.00	6,076.00	6,002.98	97.34	24.36	-85.86	5,481.60	423.42	3,693.84	3,578.97	114.87	32.156	
10,700.00	6,227.00	6,090.14	6,017.04	98.26	24.40	-86.11	5,483.15	423.32	3,649.90	3,534.28	115.62	31.567	
10,800.00	6,227.00	6,092.78	6,019.65	99.20	24.40	-86.15	5,483.49	423.30	3,608.28	3,492.00	116.28	31.030	
10,900.00	6,227.00	6,106.00	6,032.73	100.18	24.43	-86.38	5,485.41	423.18	3,569.04	3,452.03	117.01	30.501	
11,000.00	6,227.00	6,106.00	6,032.73	101.18	24.43	-86.38	5,485.41	423.18	3,532.08	3,414.45	117.63	30.027	
11,100.00	6,227.00	6,106.00	6,032.73	102.20	24.43	-86.38	5,485.41	423.18	3,497.58	3,379.36	118.23	29.584	
11,200.00	6,227.00	6,106.00	6,032.73	103.26	24.43	-86.38	5,485.41	423.18	3,465.63	3,346.83	118.80	29.172	
11,300.00	6,227.00	6,106.00	6,032.73	104.33	24.43	-86.38	5,485.41	423.18	3,436.30	3,316.95	119.35	28.792	
11,400.00	6,227.00	6,121.31	6,047.81	105.44	24.46	-86.64	5,488.07	423.05	3,409.57	3,289.56	120.00	28.412	
11,500.00	6,227.00	6,138.00	6,064.15	106.57	24.49	-86.93	5,491.48	422.95	3,385.56	3,264.92	120.65	28.062	
11,600.00	6,227.00	6,138.00	6,064.15	107.72	24.49	-86.93	5,491.48	422.95	3,364.28	3,243.17	121.11	27.780	
11,700.00	6,227.00	6,157.03	6,082.66	108.89	24.53	-87.25	5,495.86	422.87	3,345.76	3,224.05	121.71	27.491	
11,800.00	6,227.00	6,169.00	6,094.26	110.09	24.55	-87.45	5,498.82	422.82	3,330.04	3,207.83	122.21	27.250	
11,900.00	6,227.00	6,184.44	6,109.17	111.31	24.57	-87.71	5,502.86	422.74	3,317.15	3,194.45	122.70	27.035	
12,000.00	6,227.00	6,200.00	6,124.11	112.54	24.60	-87.97	5,507.18	422.62	3,307.14	3,183.98	123.15	26.853	
12,100.00	6,227.00	6,227.22	6,149.99	113.80	24.63	-88.42	5,515.58	422.42	3,299.95	3,176.25	123.69	26.679	
12,200.00	6,227.00	6,325.00	6,238.34	115.08	24.72	-89.95	5,557.10	423.57	3,294.79	3,169.79	125.00	26.358	
12,300.00	6,227.00	6,356.00	6,264.57	116.37	24.74	-90.41	5,573.61	424.13	3,292.02	3,166.46	125.56	26.218	
12,357.69	6,227.00	6,368.47	6,274.83	117.13	24.74	-90.59	5,580.68	424.29	3,291.59	3,165.78	125.81	26.163 CC	
12,400.00	6,227.00	6,387.00	6,289.76	117.69	24.75	-90.85	5,591.67	424.43	3,291.83	3,165.73	126.10	26.104 ES	
12,500.00	6,227.00	6,408.95	6,306.91	119.02	24.75	-91.15	5,605.36	424.42	3,294.14	3,167.64	126.50	26.041	
12,600.00	6,227.00	6,450.00	6,337.57	120.36	24.75	-91.68	5,632.64	423.92	3,298.89	3,171.76	127.13	25.949	
12,700.00	6,227.00	6,513.00	6,381.00	121.72	24.75	-92.43	5,678.22	422.61	3,305.49	3,177.41	128.08	25.808	
12,800.00	6,227.00	6,631.93	6,448.37	123.10	24.73	-93.60	5,775.95	418.76	3,313.38	3,183.39	129.98	25.491	
12,900.00	6,227.00	6,886.00	6,525.91	124.49	24.89	-94.93	6,015.88	413.66	3,317.57	3,183.08	134.50	24.667	
13,000.00	6,227.00	7,043.00	6,534.54	125.89	25.32	-95.07	6,172.49	411.85	3,319.33	3,181.73	137.60	24.122	
13,100.00	6,227.00	7,161.13	6,536.46	127.31	25.87	-95.10	6,290.59	410.18	3,321.35	3,181.19	140.16	23.697	
13,200.00	6,227.00	7,277.00	6,535.97	128.74	26.59	-95.09	6,406.45	409.91	3,321.86	3,179.06	142.80	23.262	
13,300.00	6,227.00	7,308.00	6,535.48	130.18	26.81	-95.09	6,437.45	409.67	3,323.23	3,179.54	143.69	23.128	
13,400.00	6,227.00	7,339.00	6,534.75	131.63	27.04	-95.07	6,468.43	408.75	3,326.69	3,182.13	144.56	23.013	
13,500.00	6,227.00	7,392.37	6,533.46	133.09	27.46	-95.04	6,521.70	405.94	3,332.05	3,186.11	145.94	22.831	
13,600.00	6,227.00	7,440.34	6,532.66	134.57	27.87	-95.03	6,569.56	402.74	3,338.88	3,191.68	147.21	22.682	
13,700.00	6,227.00	7,679.12	6,532.70	136.05	30.16	-95.01	6,808.02	391.21	3,343.56	3,190.20	153.36	21.802	
13,800.00	6,227.00	7,777.56	6,534.80	137.54	31.22	-95.04	6,906.40	388.66	3,346.67	3,190.58	156.10	21.439	
13,900.00	6,227.00	7,858.95	6,535.70	139.05	32.15	-95.05	6,987.75	385.96	3,350.43	3,191.99	158.44	21.146	
14,000.00	6,227.00	7,952.96	6,536.36	140.56	33.27	-95.06	7,081.70	382.83	3,354.19	3,193.01	161.17	20.811	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
14,100.00	6,227.00	8,057.00	6,535.04	142.07	34.56	-95.03	7,185.67	379.25	3,357.83	3,193.61	164.22	20.447	
14,200.00	6,227.00	8,193.72	6,532.28	143.60	36.33	-94.97	7,322.28	374.69	3,361.31	3,193.06	168.24	19.979	
14,300.00	6,227.00	8,301.04	6,530.61	145.14	37.78	-94.94	7,429.54	371.56	3,364.45	3,192.95	171.50	19.618	
14,400.00	6,227.00	8,400.00	6,529.18	146.68	39.14	-94.91	7,528.45	368.87	3,367.38	3,192.83	174.55	19.291	
14,500.00	6,227.00	8,523.00	6,528.39	148.23	40.87	-94.89	7,651.41	365.99	3,370.05	3,191.72	178.33	18.898	
14,600.00	6,227.00	8,596.80	6,528.25	149.78	41.93	-94.89	7,725.19	364.30	3,372.64	3,191.91	180.72	18.662	
14,700.00	6,227.00	8,680.00	6,527.77	151.35	43.15	-94.88	7,808.37	362.56	3,375.15	3,191.75	183.40	18.403	
14,800.00	6,227.00	8,742.00	6,528.15	152.91	44.06	-94.88	7,870.33	360.50	3,378.96	3,193.49	185.47	18.219	
14,900.00	6,227.00	8,824.94	6,529.25	154.49	45.31	-94.89	7,953.18	356.82	3,383.82	3,195.66	188.17	17.983	
15,000.00	6,227.00	8,972.37	6,526.54	156.07	47.55	-94.84	8,100.42	350.21	3,388.65	3,195.80	192.85	17.572	
15,100.00	6,227.00	9,034.14	6,525.83	157.65	48.51	-94.82	8,162.13	347.85	3,392.76	3,197.81	194.94	17.404	
15,200.00	6,227.00	9,086.00	6,526.23	159.24	49.31	-94.82	8,213.92	345.14	3,398.30	3,201.58	196.72	17.275	
15,300.00	6,227.00	9,171.07	6,526.67	160.84	50.65	-94.82	8,298.79	339.47	3,405.24	3,205.70	199.54	17.066	
15,400.00	6,227.00	9,258.75	6,524.96	162.44	52.04	-94.79	8,386.29	333.96	3,411.73	3,209.28	202.45	16.852	
15,500.00	6,227.00	9,348.39	6,523.74	164.05	53.47	-94.76	8,475.71	327.93	3,418.68	3,213.25	205.43	16.641	
15,600.00	6,227.00	9,419.20	6,523.04	165.66	54.61	-94.74	8,546.31	322.53	3,426.49	3,218.68	207.81	16.488	
15,700.00	6,227.00	9,739.00	6,519.94	167.27	59.77	-94.67	8,865.77	310.50	3,428.62	3,210.58	218.04	15.725	
15,800.00	6,227.00	9,941.57	6,517.97	168.89	63.06	-94.63	9,068.31	310.24	3,429.24	3,204.87	224.37	15.284	
15,900.00	6,227.00	10,028.31	6,518.49	170.51	64.47	-94.64	9,155.04	311.54	3,428.13	3,200.79	227.35	15.079	
15,985.36	6,227.00	10,082.00	6,518.62	171.90	65.35	-94.65	9,208.72	312.04	3,427.69	3,198.38	229.31	14.948	
16,000.00	6,227.00	10,082.00	6,518.62	172.14	65.35	-94.65	9,208.72	312.04	3,427.73	3,198.35	229.38	14.944	
16,100.00	6,227.00	10,129.19	6,518.82	173.77	66.12	-94.65	9,255.91	311.74	3,428.84	3,197.65	231.18	14.832	
16,200.00	6,227.00	10,185.06	6,518.76	175.40	67.05	-94.65	9,311.76	310.46	3,431.45	3,198.23	233.22	14.714	
16,300.00	6,227.00	10,251.44	6,518.22	177.04	68.15	-94.63	9,378.11	308.31	3,435.05	3,199.49	235.56	14.583	
16,400.00	6,227.00	10,287.03	6,518.15	178.68	68.75	-94.63	9,413.66	306.64	3,440.16	3,203.27	236.88	14.523	
16,500.00	6,227.00	10,332.00	6,518.29	180.32	69.51	-94.63	9,458.52	303.57	3,447.17	3,208.71	238.46	14.456	
16,600.00	6,227.00	10,445.53	6,518.40	181.96	71.42	-94.62	9,571.78	295.85	3,454.27	3,211.93	242.34	14.254	
16,700.00	6,227.00	10,488.00	6,517.74	183.61	72.14	-94.60	9,614.11	292.39	3,462.48	3,218.68	243.80	14.202	
16,800.00	6,227.00	10,541.24	6,517.20	185.27	73.05	-94.59	9,667.08	287.08	3,472.41	3,226.81	245.59	14.139	
16,900.00	6,227.00	10,661.05	6,515.32	186.92	75.10	-94.54	9,786.32	275.59	3,482.16	3,232.41	249.74	13.943	
17,000.00	6,227.00	10,769.00	6,514.28	188.58	76.95	-94.51	9,893.82	265.80	3,491.45	3,237.97	253.48	13.774	
17,100.00	6,227.00	10,800.00	6,514.30	190.24	77.48	-94.51	9,924.66	262.61	3,501.92	3,247.47	254.46	13.762	
17,200.00	6,227.00	10,894.00	6,515.45	191.90	79.11	-94.51	10,018.08	252.32	3,513.29	3,255.59	257.70	13.633	
17,300.00	6,227.00	11,050.00	6,516.57	193.57	81.80	-94.51	10,173.29	236.71	3,523.46	3,260.27	263.19	13.388	
17,348.07	6,227.00	11,081.00	6,516.48	194.37	82.34	-94.50	10,204.14	233.66	3,528.35	3,264.10	264.25	13.353 SF	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	7.45	6,060.66	792.37	6,112.24				
100.00	100.00	119.29	119.29	0.27	0.21	7.45	6,060.62	792.48	6,112.21	6,111.73	0.48	N/A	
200.00	200.00	222.13	222.13	0.63	0.38	7.45	6,060.50	792.78	6,112.13	6,111.12	1.01	6,044.064	
300.00	299.98	324.96	324.95	0.98	0.56	-76.77	6,060.31	793.25	6,111.61	6,110.07	1.54	3,964.200	
400.00	399.84	427.68	427.68	1.34	0.74	-76.84	6,060.05	793.89	6,110.24	6,108.17	2.08	2,943.891	
500.00	499.45	518.00	517.99	1.71	0.99	-76.95	6,059.79	794.55	6,108.08	6,105.38	2.70	2,263.561	
600.00	598.70	610.00	609.99	2.10	1.32	-77.10	6,059.75	795.18	6,105.37	6,101.95	3.42	1,787.072	
700.00	697.47	701.00	700.99	2.51	1.65	-77.29	6,059.82	795.73	6,102.01	6,097.85	4.15	1,468.947	
800.00	795.62	793.00	792.99	2.95	1.97	-77.53	6,060.01	796.08	6,098.03	6,093.10	4.92	1,238.476	
900.00	893.06	898.04	898.03	3.44	2.35	-77.83	6,060.22	796.58	6,093.37	6,087.59	5.78	1,054.665	
1,000.00	989.64	996.95	996.94	3.96	2.70	-78.17	6,060.32	797.06	6,087.96	6,081.31	6.65	915.537	
1,100.00	1,085.27	1,096.10	1,096.09	4.54	3.04	-78.56	6,060.48	796.99	6,081.97	6,074.41	7.55	805.041	
1,200.00	1,179.82	1,352.45	1,351.99	5.16	3.93	-79.39	6,055.66	807.15	6,073.54	6,064.48	9.07	669.899	
1,300.00	1,273.17	1,427.00	1,425.88	5.85	4.21	-79.74	6,052.85	816.59	6,064.00	6,053.98	10.02	605.185	
1,400.00	1,365.21	1,470.37	1,468.68	6.59	4.38	-80.02	6,051.35	823.43	6,054.54	6,043.61	10.93	554.060	
1,500.00	1,455.84	1,519.00	1,516.55	7.40	4.57	-80.32	6,050.12	831.89	6,045.49	6,033.57	11.92	507.170	
1,600.00	1,544.94	1,836.31	1,827.71	8.28	5.92	-81.35	6,034.71	891.85	6,032.65	6,018.54	14.11	427.489	
1,700.00	1,632.39	2,302.73	2,278.54	9.23	8.27	-82.81	5,990.81	1,001.77	6,017.33	6,000.06	17.27	348.409	
1,800.00	1,718.11	2,365.00	2,337.75	10.25	8.63	-83.34	5,982.80	1,019.31	5,998.15	5,979.53	18.63	322.031	
1,900.00	1,801.97	2,410.80	2,381.36	11.35	8.89	-83.84	5,977.22	1,032.12	5,979.35	5,959.38	19.97	299.397	
2,005.96	1,888.70	2,588.37	2,551.44	12.60	9.92	-84.83	5,956.40	1,078.71	5,959.82	5,937.67	22.16	269.006	
2,100.00	1,964.66	2,651.00	2,611.06	13.75	10.29	-85.03	5,948.44	1,096.16	5,941.40	5,917.75	23.65	251.212	
2,200.00	2,045.44	2,777.26	2,730.72	14.99	11.08	-85.43	5,931.58	1,132.74	5,921.27	5,895.67	25.60	231.275	
2,300.00	2,126.22	2,840.00	2,790.34	16.24	11.47	-85.63	5,923.91	1,150.69	5,902.31	5,875.10	27.22	216.864	
2,400.00	2,207.00	2,926.67	2,872.91	17.50	12.01	-85.92	5,913.09	1,174.69	5,883.45	5,854.48	28.97	203.121	
2,500.00	2,287.78	2,984.85	2,928.48	18.77	12.36	-86.12	5,905.68	1,190.28	5,864.72	5,834.16	30.56	191.897	
2,600.00	2,368.56	3,033.00	2,974.69	20.04	12.65	-86.29	5,900.41	1,202.73	5,847.38	5,815.27	32.11	182.094	
2,700.00	2,449.34	3,033.00	2,974.69	21.31	12.65	-86.29	5,900.41	1,202.73	5,831.08	5,797.66	33.42	174.499	
2,800.00	2,530.12	3,090.99	3,030.58	22.59	12.98	-86.51	5,894.91	1,217.13	5,815.84	5,780.82	35.02	166.091	
2,900.00	2,610.90	3,154.57	3,092.13	23.88	13.34	-86.75	5,889.53	1,232.14	5,801.60	5,764.96	36.65	158.314	
3,000.00	2,691.68	3,271.04	3,204.75	25.16	13.99	-87.19	5,879.21	1,260.02	5,787.27	5,748.73	38.54	150.167	
3,100.00	2,772.46	3,664.59	3,579.03	26.45	16.50	-88.52	5,834.01	1,371.79	5,770.61	5,728.62	41.98	137.452	
3,200.00	2,853.23	3,739.76	3,649.67	27.74	17.01	-88.75	5,823.33	1,395.17	5,751.75	5,708.01	43.74	131.493	
3,300.00	2,934.01	3,797.00	3,704.04	29.03	17.39	-88.95	5,816.07	1,411.54	5,734.19	5,688.80	45.40	126.317	
3,400.00	3,014.79	3,797.00	3,704.04	30.32	17.39	-88.95	5,816.07	1,411.54	5,717.45	5,670.71	46.74	122.316	
3,500.00	3,095.57	3,836.96	3,742.21	31.61	17.64	-89.09	5,811.61	1,422.47	5,702.05	5,653.76	48.29	118.071	
3,600.00	3,176.35	3,892.00	3,794.94	32.91	17.98	-89.29	5,806.15	1,437.29	5,687.86	5,637.93	49.92	113.936	
3,700.00	3,257.13	3,919.45	3,821.29	34.20	18.15	-89.39	5,803.67	1,444.54	5,674.60	5,623.20	51.40	110.399	
3,800.00	3,337.91	3,987.00	3,886.39	35.50	18.55	-89.65	5,797.92	1,461.65	5,662.32	5,609.24	53.08	106.677	
3,900.00	3,418.69	4,016.69	3,915.10	36.80	18.72	-89.76	5,795.61	1,468.83	5,650.92	5,596.37	54.56	103.579	
4,000.00	3,499.47	4,275.00	4,165.40	38.09	20.17	-90.80	5,772.80	1,528.24	5,639.27	5,582.18	57.09	98.783	
4,100.00	3,580.25	4,360.01	4,247.34	39.39	20.68	-91.14	5,764.09	1,549.14	5,626.25	5,567.41	58.84	95.625	
4,200.00	3,661.03	4,404.78	4,290.35	40.69	20.94	-91.31	5,759.63	1,560.72	5,613.75	5,553.35	60.40	92.944	
4,300.00	3,741.81	4,464.00	4,347.58	41.99	21.29	-91.54	5,754.66	1,575.08	5,602.72	5,540.69	62.03	90.325	
4,400.00	3,822.58	4,464.00	4,347.58	43.29	21.29	-91.54	5,754.66	1,575.08	5,592.52	5,529.15	63.37	88.254	
4,500.00	3,903.36	4,549.07	4,429.87	44.59	21.78	-91.88	5,748.53	1,595.73	5,583.35	5,518.24	65.11	85.753	
4,600.00	3,984.14	4,640.17	4,517.50	45.89	22.32	-92.22	5,742.29	1,619.85	5,574.56	5,507.65	66.90	83.323	
4,700.00	4,064.92	4,699.22	4,737.40	47.20	23.72	-93.08	5,723.01	1,680.93	5,564.01	5,494.63	69.37	80.205	
4,800.00	4,145.70	4,940.00	4,805.22	48.50	24.16	-93.34	5,716.93	1,700.24	5,553.89	5,482.82	71.07	78.147	
4,900.00	4,226.48	4,940.00	4,805.22	49.80	24.16	-93.34	5,716.93	1,700.24	5,544.66	5,472.25	72.41	76.572	
5,000.00	4,307.26	4,976.46	4,840.35	51.10	24.36	-93.48	5,714.29	1,709.66	5,536.77	5,462.86	73.91	74.914	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,100.00	4,388.04	5,034.00	4,896.25	52.40	24.69	-93.72	5,711.31	1,722.90	5,530.72	5,455.22	75.50	73.258	
5,200.00	4,468.82	5,034.00	4,896.25	53.71	24.69	-93.72	5,711.31	1,722.90	5,525.32	5,448.52	76.80	71.945	
5,300.00	4,549.60	5,496.07	5,341.47	55.01	27.42	-95.52	5,677.05	1,840.67	5,517.69	5,437.40	80.29	68.718	
5,400.00	4,630.38	5,609.00	5,449.27	56.31	28.14	-95.95	5,664.91	1,872.05	5,507.01	5,424.84	82.17	67.023	
5,500.00	4,711.16	5,645.24	5,483.93	57.62	28.36	-96.09	5,661.09	1,881.88	5,497.01	5,413.33	83.67	65.695	
5,600.00	4,791.93	5,705.00	5,541.75	58.92	28.72	-96.34	5,655.55	1,895.93	5,488.60	5,403.33	85.27	64.367	
5,700.00	4,872.71	5,705.00	5,541.75	60.23	28.72	-96.34	5,655.55	1,895.93	5,480.98	5,394.38	86.60	63.289	
5,800.00	4,953.49	5,705.00	5,541.75	61.53	28.72	-96.34	5,655.55	1,895.93	5,475.18	5,387.27	87.91	62.280	
5,900.00	5,034.27	5,767.36	5,602.78	62.83	29.02	-96.63	5,650.64	1,907.75	5,470.20	5,380.77	89.43	61.167	
6,000.00	5,115.05	5,802.00	5,636.91	64.14	29.19	-96.80	5,648.25	1,913.10	5,466.77	5,375.94	90.83	60.184	
6,100.00	5,195.83	5,846.08	5,680.49	65.44	29.38	-97.02	5,645.45	1,919.12	5,464.54	5,372.31	92.23	59.247	
6,200.00	5,276.61	5,899.00	5,732.91	66.75	29.60	-97.29	5,642.33	1,925.70	5,463.37	5,369.72	93.65	58.339	
6,238.96	5,308.08	5,899.00	5,732.91	67.26	29.60	-97.29	5,642.33	1,925.70	5,463.23	5,369.10	94.13	58.040	
6,300.00	5,357.39	5,899.00	5,732.91	68.05	29.60	-97.29	5,642.33	1,925.70	5,463.57	5,368.70	94.87	57.590	
6,400.00	5,438.17	5,947.42	5,780.98	69.36	29.78	-97.55	5,640.01	1,930.94	5,464.87	5,368.64	96.22	56.793	
6,500.00	5,518.95	5,994.00	5,827.36	70.66	29.95	-97.80	5,638.60	1,935.12	5,467.92	5,370.36	97.56	56.048	
6,600.00	5,599.73	5,994.00	5,827.36	71.97	29.95	-97.80	5,638.60	1,935.12	5,472.11	5,373.40	98.71	55.435	
6,700.00	5,680.51	6,032.87	5,866.13	73.27	30.07	-98.02	5,637.83	1,937.74	5,477.79	5,377.83	99.96	54.800	
6,800.00	5,761.29	6,090.00	5,923.21	74.58	30.24	-98.36	5,636.95	1,939.70	5,484.90	5,383.65	101.24	54.175	
6,837.84	5,791.85	6,090.00	5,923.21	75.07	30.24	-98.36	5,636.95	1,939.70	5,487.78	5,386.13	101.66	53.983	
6,850.00	5,801.67	6,090.00	5,923.21	75.23	30.24	-96.68	5,636.95	1,939.70	5,488.64	5,386.85	101.79	53.922	
6,900.00	5,841.80	6,090.00	5,923.21	75.88	30.24	-90.03	5,636.95	1,939.70	5,489.81	5,387.48	102.33	53.648	
6,950.00	5,881.33	6,090.00	5,923.21	76.52	30.24	-83.89	5,636.95	1,939.70	5,487.18	5,384.32	102.87	53.343	
7,000.00	5,919.97	6,090.00	5,923.21	77.14	30.24	-78.40	5,636.95	1,939.70	5,480.78	5,377.39	103.39	53.011	
7,050.00	5,957.41	6,090.00	5,923.21	77.74	30.24	-73.63	5,636.95	1,939.70	5,470.64	5,366.75	103.90	52.655	
7,100.00	5,993.37	6,090.00	5,923.21	78.32	30.24	-69.59	5,636.95	1,939.70	5,456.82	5,352.44	104.38	52.278	
7,150.00	6,027.59	6,090.00	5,923.21	78.86	30.24	-66.26	5,636.95	1,939.70	5,439.38	5,334.55	104.84	51.883	
7,200.00	6,059.79	6,090.00	5,923.21	79.36	30.24	-63.61	5,636.95	1,939.70	5,418.44	5,313.18	105.27	51.474	
7,250.00	6,089.73	6,090.00	5,923.21	79.83	30.24	-61.60	5,636.95	1,939.70	5,394.11	5,288.45	105.66	51.051	
7,300.00	6,117.20	6,090.00	5,923.21	80.25	30.24	-60.21	5,636.95	1,939.70	5,366.54	5,260.51	106.02	50.616	
7,350.00	6,141.96	6,090.00	5,923.21	80.63	30.24	-59.43	5,636.95	1,939.70	5,335.87	5,229.52	106.35	50.172	
7,400.00	6,163.85	6,090.00	5,923.21	80.98	30.24	-59.28	5,636.95	1,939.70	5,302.30	5,195.66	106.64	49.720	
7,450.00	6,182.69	6,090.00	5,923.21	81.28	30.24	-59.81	5,636.95	1,939.70	5,266.03	5,159.12	106.90	49.260	
7,500.00	6,198.33	6,090.00	5,923.21	81.54	30.24	-61.11	5,636.95	1,939.70	5,227.27	5,120.15	107.13	48.794	
7,550.00	6,210.67	6,133.90	5,967.09	81.77	30.34	-64.13	5,637.93	1,940.25	5,184.63	5,077.12	107.52	48.221	
7,600.00	6,219.60	6,135.23	5,968.42	81.96	30.35	-67.76	5,638.00	1,940.27	5,141.57	5,033.87	107.70	47.742	
7,650.00	6,225.05	6,136.20	5,969.38	82.11	30.35	-73.09	5,638.06	1,940.28	5,096.83	4,988.99	107.85	47.260	
7,702.53	6,227.00	6,136.79	5,969.97	82.24	30.35	-81.26	5,638.10	1,940.28	5,048.38	4,940.40	107.98	46.754	
7,800.00	6,227.00	6,137.49	5,970.68	82.45	30.35	-81.28	5,638.14	1,940.29	4,957.41	4,849.20	108.20	45.816	
7,900.00	6,227.00	6,138.25	5,971.43	82.68	30.35	-81.30	5,638.19	1,940.30	4,864.34	4,755.90	108.44	44.858	
8,000.00	6,227.00	6,139.03	5,972.21	82.93	30.35	-81.33	5,638.24	1,940.30	4,771.55	4,662.86	108.69	43.902	
8,100.00	6,227.00	6,139.84	5,973.02	83.20	30.36	-81.35	5,638.29	1,940.31	4,679.05	4,570.11	108.94	42.950	
8,200.00	6,227.00	6,140.68	5,973.86	83.49	30.36	-81.38	5,638.35	1,940.32	4,586.87	4,477.67	109.21	42.002	
8,300.00	6,227.00	6,141.56	5,974.73	83.80	30.36	-81.41	5,638.41	1,940.33	4,495.03	4,385.54	109.48	41.057	
8,400.00	6,227.00	6,142.47	5,975.65	84.12	30.36	-81.44	5,638.47	1,940.34	4,403.53	4,293.76	109.77	40.116	
8,500.00	6,227.00	6,143.43	5,976.60	84.47	30.36	-81.47	5,638.54	1,940.35	4,312.42	4,202.35	110.07	39.180	
8,600.00	6,227.00	6,144.42	5,977.59	84.83	30.37	-81.50	5,638.61	1,940.36	4,221.70	4,111.33	110.37	38.249	
8,700.00	6,227.00	6,186.00	6,018.92	85.22	30.46	-82.81	5,643.04	1,940.68	4,132.82	4,021.90	110.92	37.260	
8,800.00	6,227.00	6,186.00	6,018.92	85.62	30.46	-82.81	5,643.04	1,940.68	4,042.91	3,931.66	111.25	36.340	
8,900.00	6,227.00	6,186.00	6,018.92	86.05	30.46	-82.81	5,643.04	1,940.68	3,953.48	3,841.89	111.60	35.426	
9,000.00	6,227.00	6,186.00	6,018.92	86.51	30.46	-82.81	5,643.04	1,940.68	3,864.58	3,752.62	111.96	34.519	

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	86.98	30.46	-82.81	5,643.04	1,940.68	3,776.23	3,663.90	112.33	33.618	
9,200.00	6,227.00	6,186.00	6,018.92	87.49	30.46	-82.81	5,643.04	1,940.68	3,688.47	3,575.75	112.71	32.724	
9,300.00	6,227.00	6,186.00	6,018.92	88.01	30.46	-82.81	5,643.04	1,940.68	3,601.35	3,488.24	113.12	31.838	
9,400.00	6,227.00	6,186.00	6,018.92	88.56	30.46	-82.81	5,643.04	1,940.68	3,514.92	3,401.39	113.53	30.960	
9,500.00	6,227.00	6,186.00	6,018.92	89.14	30.46	-82.81	5,643.04	1,940.68	3,429.22	3,315.26	113.96	30.091	
9,600.00	6,227.00	6,186.00	6,018.92	89.75	30.46	-82.81	5,643.04	1,940.68	3,344.32	3,229.92	114.41	29.231	
9,700.00	6,227.00	6,186.00	6,018.92	90.38	30.46	-82.81	5,643.04	1,940.68	3,260.28	3,145.41	114.87	28.382	
9,800.00	6,227.00	6,186.00	6,018.92	91.04	30.46	-82.81	5,643.04	1,940.68	3,177.16	3,061.81	115.35	27.544	
9,900.00	6,227.00	6,186.00	6,018.92	91.73	30.46	-82.81	5,643.04	1,940.68	3,095.04	2,979.20	115.84	26.718	
10,000.00	6,227.00	6,186.00	6,018.92	92.44	30.46	-82.81	5,643.04	1,940.68	3,014.00	2,897.65	116.35	25.905	
10,100.00	6,227.00	6,186.00	6,018.92	93.19	30.46	-82.81	5,643.04	1,940.68	2,934.13	2,817.26	116.87	25.105	
10,200.00	6,227.00	6,186.00	6,018.92	93.96	30.46	-82.81	5,643.04	1,940.68	2,855.53	2,738.12	117.41	24.321	
10,300.00	6,227.00	6,186.00	6,018.92	94.76	30.46	-82.81	5,643.04	1,940.68	2,778.30	2,660.35	117.96	23.553	
10,400.00	6,227.00	6,186.00	6,018.92	95.59	30.46	-82.81	5,643.04	1,940.68	2,702.57	2,584.05	118.52	22.803	
10,500.00	6,227.00	6,186.00	6,018.92	96.45	30.46	-82.81	5,643.04	1,940.68	2,628.46	2,509.38	119.09	22.071	
10,600.00	6,227.00	6,186.00	6,018.92	97.34	30.46	-82.81	5,643.04	1,940.68	2,556.12	2,436.46	119.66	21.361	
10,700.00	6,227.00	6,186.00	6,018.92	98.26	30.46	-82.81	5,643.04	1,940.68	2,485.69	2,365.45	120.24	20.672	
10,800.00	6,227.00	6,186.00	6,018.92	99.20	30.46	-82.81	5,643.04	1,940.68	2,417.35	2,296.53	120.82	20.008	
10,900.00	6,227.00	6,186.00	6,018.92	100.18	30.46	-82.81	5,643.04	1,940.68	2,351.28	2,229.89	121.39	19.369	
11,000.00	6,227.00	6,186.00	6,018.92	101.18	30.46	-82.81	5,643.04	1,940.68	2,287.67	2,165.72	121.95	18.759	
11,100.00	6,227.00	6,186.00	6,018.92	102.20	30.46	-82.81	5,643.04	1,940.68	2,226.74	2,104.25	122.49	18.178	
11,200.00	6,227.00	6,186.00	6,018.92	103.26	30.46	-82.81	5,643.04	1,940.68	2,168.71	2,045.70	123.01	17.631	
11,300.00	6,227.00	6,207.17	6,039.81	104.33	30.50	-83.47	5,646.47	1,940.80	2,113.44	1,989.63	123.81	17.070	
11,400.00	6,227.00	6,212.75	6,045.29	105.44	30.51	-83.64	5,647.54	1,940.84	2,061.74	1,937.39	124.35	16.580	
11,500.00	6,227.00	6,234.00	6,066.01	106.57	30.55	-84.31	5,652.23	1,940.97	2,013.79	1,888.69	125.10	16.098	
11,600.00	6,227.00	6,234.00	6,066.01	107.72	30.55	-84.31	5,652.23	1,940.97	1,969.38	1,843.93	125.45	15.699	
11,700.00	6,227.00	6,234.00	6,066.01	108.89	30.55	-84.31	5,652.23	1,940.97	1,929.13	1,803.41	125.71	15.345	
11,800.00	6,227.00	6,234.00	6,066.01	110.09	30.55	-84.31	5,652.23	1,940.97	1,893.31	1,767.42	125.89	15.040	
11,900.00	6,227.00	6,257.26	6,088.50	111.31	30.58	-85.03	5,658.14	1,941.02	1,861.86	1,735.45	126.40	14.729	
12,000.00	6,227.00	6,281.00	6,111.32	112.54	30.61	-85.76	5,664.70	1,940.86	1,835.31	1,708.47	126.84	14.470	
12,100.00	6,227.00	6,281.00	6,111.32	113.80	30.61	-85.76	5,664.70	1,940.86	1,813.54	1,686.85	126.69	14.315	
12,200.00	6,227.00	6,296.52	6,126.12	115.08	30.63	-86.23	5,669.37	1,940.65	1,796.94	1,670.22	126.72	14.180	
12,300.00	6,227.00	6,312.24	6,140.96	116.37	30.65	-86.71	5,674.54	1,940.34	1,785.54	1,658.92	126.63	14.101	
12,400.00	6,227.00	6,329.00	6,156.61	117.69	30.67	-87.22	5,680.53	1,939.91	1,779.37	1,652.94	126.43	14.074	
12,472.98	6,227.00	6,354.72	6,180.24	118.65	30.69	-87.98	5,690.65	1,939.15	1,778.07	1,651.57	126.50	14.056 CC	
12,500.00	6,227.00	6,364.46	6,189.06	119.02	30.69	-88.26	5,694.76	1,938.84	1,778.24	1,651.73	126.51	14.056	
12,600.00	6,227.00	6,402.22	6,222.47	120.36	30.71	-89.34	5,712.29	1,937.56	1,781.86	1,655.31	126.55	14.080	
12,700.00	6,227.00	6,486.33	6,290.79	121.72	30.73	-91.54	5,761.00	1,934.30	1,789.57	1,661.92	127.65	14.019	
12,800.00	6,227.00	6,558.87	6,342.71	123.10	30.70	-93.20	5,811.54	1,931.66	1,799.50	1,671.02	128.48	14.006	
12,900.00	6,227.00	6,895.06	6,502.07	124.49	30.45	-98.26	6,102.57	1,933.75	1,802.58	1,666.03	136.55	13.201	
13,000.00	6,227.00	6,952.00	6,512.74	125.89	30.40	-98.60	6,158.47	1,934.57	1,804.44	1,667.15	137.29	13.143	
13,100.00	6,227.00	7,031.29	6,519.94	127.31	30.32	-98.82	6,237.38	1,933.07	1,808.10	1,669.38	138.72	13.034	
13,200.00	6,227.00	7,103.81	6,520.01	128.74	30.25	-98.80	6,309.79	1,929.21	1,813.60	1,673.64	139.96	12.958	
13,300.00	6,227.00	7,179.82	6,518.79	130.18	30.21	-98.74	6,385.64	1,924.48	1,819.94	1,678.60	141.35	12.876	
13,400.00	6,227.00	7,247.00	6,518.03	131.63	30.19	-98.69	6,452.57	1,918.71	1,828.44	1,686.00	142.44	12.836	
13,500.00	6,227.00	7,300.08	6,517.96	133.09	30.18	-98.66	6,505.35	1,913.09	1,839.01	1,695.95	143.06	12.855	
13,600.00	6,227.00	7,488.64	6,522.56	134.57	30.46	-98.71	6,692.90	1,894.98	1,850.16	1,701.28	148.88	12.427	
13,700.00	6,227.00	7,669.80	6,524.95	136.05	31.52	-98.75	6,873.90	1,888.55	1,853.81	1,699.20	154.61	11.990	
13,800.00	6,227.00	7,779.65	6,525.43	137.54	32.49	-98.76	6,983.74	1,886.86	1,855.73	1,698.01	157.72	11.766	
13,900.00	6,227.00	7,882.46	6,524.42	139.05	33.55	-98.72	7,086.52	1,885.18	1,857.54	1,696.92	160.63	11.564	
14,000.00	6,227.00	7,963.85	6,521.49	140.56	34.45	-98.62	7,167.84	1,883.43	1,859.52	1,696.80	162.72	11.428	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HC - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 466-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.00	6,227.00	8,071.06	6,520.25	142.07	35.71	-98.56	7,274.99	1,880.22	1,862.71	1,696.78	165.92	11.226	
14,200.00	6,227.00	8,207.04	6,521.93	143.60	37.40	-98.61	7,410.95	1,879.39	1,863.77	1,693.39	170.38	10.939	
14,300.00	6,227.00	8,277.22	6,523.58	145.14	38.30	-98.65	7,481.11	1,879.00	1,864.99	1,692.87	172.12	10.835	
14,400.00	6,227.00	8,419.94	6,526.51	146.68	40.21	-98.74	7,623.79	1,878.56	1,866.02	1,689.03	176.98	10.543	
14,500.00	6,227.00	8,515.77	6,525.27	148.23	41.52	-98.70	7,719.61	1,878.90	1,865.82	1,685.93	179.88	10.372	
14,552.33	6,227.00	8,566.39	6,524.21	149.04	42.23	-98.67	7,770.22	1,878.94	1,865.79	1,684.36	181.43	10.284	
14,600.00	6,227.00	8,613.91	6,523.23	149.78	42.90	-98.64	7,817.72	1,878.95	1,865.80	1,682.89	182.91	10.200	
14,667.68	6,227.00	8,682.83	6,522.02	150.84	43.88	-98.60	7,886.63	1,879.02	1,865.79	1,680.70	185.09	10.081	
14,700.00	6,227.00	8,704.89	6,521.71	151.35	44.20	-98.59	7,908.69	1,879.00	1,865.86	1,680.20	185.66	10.050	
14,800.00	6,227.00	8,777.00	6,521.21	152.91	45.24	-98.57	7,980.79	1,878.19	1,867.18	1,679.62	187.56	9.955	
14,900.00	6,227.00	8,860.12	6,521.25	154.49	46.46	-98.56	8,063.90	1,876.34	1,869.72	1,679.75	189.97	9.842	
15,000.00	6,227.00	8,955.23	6,522.01	156.07	47.86	-98.57	8,158.97	1,873.85	1,872.77	1,679.83	192.94	9.707	
15,100.00	6,227.00	9,090.88	6,523.20	157.65	49.90	-98.60	8,294.59	1,871.60	1,874.87	1,677.07	197.80	9.479	
15,200.00	6,227.00	9,242.71	6,522.57	159.24	52.22	-98.57	8,446.41	1,871.33	1,875.64	1,672.29	203.36	9.223	
15,300.00	6,227.00	9,332.64	6,521.54	160.84	53.61	-98.55	8,536.32	1,872.86	1,874.16	1,667.99	206.17	9.090	
15,384.08	6,227.00	9,398.32	6,521.38	162.19	54.63	-98.54	8,601.99	1,873.41	1,873.74	1,665.65	208.09	9.005	
15,400.00	6,227.00	9,410.58	6,521.40	162.44	54.82	-98.54	8,614.26	1,873.44	1,873.75	1,665.31	208.44	8.989	
15,500.00	6,227.00	9,492.85	6,522.08	164.05	56.11	-98.56	8,696.52	1,873.21	1,874.48	1,663.58	210.90	8.888	
15,600.00	6,227.00	9,613.44	6,525.25	165.66	58.01	-98.66	8,817.07	1,872.88	1,875.59	1,660.45	215.14	8.718	
15,683.24	6,227.00	9,697.55	6,526.95	167.00	59.34	-98.71	8,901.16	1,873.66	1,875.36	1,657.44	217.91	8.606	
15,700.00	6,227.00	9,710.68	6,527.13	167.27	59.55	-98.71	8,914.29	1,873.72	1,875.38	1,657.07	218.30	8.591	
15,800.00	6,227.00	9,820.00	6,525.41	168.89	61.30	-98.66	9,023.58	1,874.11	1,875.11	1,653.07	222.05	8.445	
15,814.45	6,227.00	9,828.44	6,525.21	169.12	61.43	-98.66	9,032.02	1,874.12	1,875.10	1,652.85	222.25	8.437	
15,900.00	6,227.00	9,889.47	6,523.65	170.51	62.42	-98.61	9,093.03	1,873.64	1,875.71	1,651.76	223.95	8.375	
16,000.00	6,227.00	9,964.00	6,522.02	172.14	63.62	-98.55	9,167.53	1,872.27	1,877.60	1,651.53	226.07	8.306 ES	
16,100.00	6,227.00	10,040.42	6,520.99	173.77	64.86	-98.51	9,243.91	1,869.91	1,880.82	1,652.57	228.25	8.240	
16,200.00	6,227.00	10,131.83	6,520.08	175.40	66.35	-98.46	9,335.25	1,866.49	1,884.75	1,653.57	231.18	8.153	
16,300.00	6,227.00	10,207.39	6,519.54	177.04	67.58	-98.43	9,410.71	1,862.64	1,889.97	1,656.68	233.29	8.101 SF	
16,400.00	6,227.00	10,246.00	6,519.47	178.68	68.22	-98.42	9,449.26	1,860.55	1,896.63	1,663.27	233.36	8.127	
16,500.00	6,227.00	10,246.00	6,519.47	180.32	68.22	-98.42	9,449.26	1,860.55	1,908.13	1,677.19	230.94	8.262	
16,600.00	6,227.00	10,246.00	6,519.47	181.96	68.22	-98.42	9,449.26	1,860.55	1,924.76	1,696.70	228.05	8.440	
16,700.00	6,227.00	10,246.00	6,519.47	183.61	68.22	-98.42	9,449.26	1,860.55	1,946.39	1,721.64	224.75	8.660	
16,800.00	6,227.00	10,246.00	6,519.47	185.27	68.22	-98.42	9,449.26	1,860.55	1,972.86	1,751.77	221.09	8.923	
16,900.00	6,227.00	10,246.00	6,519.47	186.92	68.22	-98.42	9,449.26	1,860.55	2,003.98	1,786.84	217.13	9.229	
17,000.00	6,227.00	10,246.00	6,519.47	188.58	68.22	-98.42	9,449.26	1,860.55	2,039.52	1,826.58	212.95	9.578	
17,100.00	6,227.00	10,246.00	6,519.47	190.24	68.22	-98.42	9,449.26	1,860.55	2,079.28	1,870.69	208.59	9.968	
17,200.00	6,227.00	10,246.00	6,519.47	191.90	68.22	-98.42	9,449.26	1,860.55	2,123.00	1,918.88	204.12	10.401	
17,300.00	6,227.00	10,246.00	6,519.47	193.57	68.22	-98.42	9,449.26	1,860.55	2,170.46	1,970.85	199.60	10.874	
17,348.07	6,227.00	10,246.00	6,519.47	194.37	68.22	-98.42	9,449.26	1,860.55	2,194.52	1,997.10	197.42	11.116	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 604-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	16.79	16.79	0.00	0.03	7.64	6,061.39	812.71	6,115.63				
100.00	100.00	121.70	121.70	0.27	0.21	7.64	6,061.31	812.90	6,115.58	6,115.10	0.48	N/A	
200.00	200.00	226.61	226.60	0.63	0.40	7.64	6,061.10	813.39	6,115.45	6,114.42	1.02	5,975.149	
300.00	299.98	331.50	331.50	0.98	0.58	-76.58	6,060.77	814.17	6,114.83	6,113.27	1.56	3,920.772	
400.00	399.84	436.32	436.31	1.34	0.76	-76.65	6,060.32	815.24	6,113.32	6,111.22	2.10	2,912.239	
500.00	499.45	540.95	540.93	1.71	0.95	-76.77	6,059.74	816.60	6,110.93	6,108.28	2.65	2,303.955	
600.00	598.70	604.00	603.97	2.10	1.06	-76.89	6,059.33	817.56	6,107.81	6,104.66	3.15	1,938.311	
700.00	697.47	665.58	665.54	2.51	1.28	-77.02	6,059.31	818.52	6,104.52	6,100.74	3.78	1,613.966	
800.00	795.62	876.48	876.42	2.95	1.99	-77.49	6,059.13	817.55	6,100.09	6,095.15	4.94	1,233.975	
900.00	893.06	933.65	933.58	3.44	2.19	-77.73	6,058.72	816.64	6,094.30	6,088.68	5.62	1,084.944	
1,000.00	989.64	1,189.09	1,188.60	3.96	3.10	-78.39	6,052.67	826.12	6,086.46	6,079.42	7.04	864.488	
1,100.00	1,085.27	1,246.00	1,245.05	4.54	3.31	-78.65	6,050.46	832.89	6,077.70	6,069.88	7.82	777.346	
1,200.00	1,179.82	1,394.88	1,391.68	5.16	3.90	-79.06	6,043.60	857.66	6,068.21	6,059.18	9.03	672.198	
1,300.00	1,273.17	1,629.32	1,619.26	5.85	4.98	-79.56	6,027.31	911.31	6,056.34	6,045.58	10.76	563.007	
1,400.00	1,365.21	1,890.00	1,868.55	6.59	6.41	-80.12	6,000.59	982.59	6,040.45	6,027.57	12.87	469.264	
1,500.00	1,455.84	1,890.00	1,868.55	7.40	6.41	-80.44	6,000.59	982.59	6,024.59	6,010.92	13.68	440.437	
1,600.00	1,544.94	1,948.93	1,924.69	8.28	6.76	-80.84	5,994.52	999.43	6,008.75	5,993.86	14.89	403.664	
1,700.00	1,632.39	1,986.00	1,959.97	9.23	6.98	-81.21	5,991.44	1,010.40	5,993.88	5,977.84	16.04	373.684	
1,800.00	1,718.11	2,031.42	2,003.17	10.25	7.25	-81.59	5,988.08	1,024.01	5,979.48	5,962.16	17.32	345.172	
1,900.00	1,801.97	2,304.70	2,263.34	11.35	8.93	-82.61	5,964.44	1,104.11	5,963.72	5,943.70	20.01	297.974	
2,005.96	1,888.70	2,368.00	2,323.72	12.60	9.32	-83.17	5,958.45	1,122.17	5,945.51	5,923.88	21.63	274.885	
2,100.00	1,964.66	2,411.15	2,364.85	13.75	9.59	-83.31	5,954.65	1,134.65	5,929.84	5,906.81	23.04	257.387	
2,200.00	2,045.44	2,715.68	2,654.02	14.99	11.55	-84.25	5,922.88	1,224.47	5,912.48	5,886.39	26.09	226.598	
2,300.00	2,126.22	2,827.94	2,759.97	16.24	12.31	-84.59	5,908.70	1,258.76	5,892.86	5,864.82	28.04	210.177	
2,400.00	2,207.00	2,882.47	2,811.59	17.50	12.66	-84.76	5,901.69	1,274.86	5,873.29	5,843.66	29.63	198.217	
2,500.00	2,287.78	2,936.00	2,862.78	18.77	13.01	-84.94	5,895.85	1,289.38	5,855.13	5,823.90	31.22	187.531	
2,600.00	2,368.56	3,024.63	2,947.84	20.04	13.55	-85.25	5,886.54	1,312.50	5,837.75	5,804.76	33.00	176.923	
2,700.00	2,449.34	3,090.03	3,010.62	21.31	13.94	-85.49	5,879.33	1,329.33	5,820.13	5,785.49	34.65	167.993	
2,800.00	2,530.12	3,184.52	3,101.71	22.59	14.50	-85.84	5,869.40	1,352.39	5,803.14	5,766.70	36.44	159.252	
2,900.00	2,610.90	3,222.00	3,137.90	23.88	14.72	-85.98	5,865.34	1,361.25	5,786.39	5,748.44	37.94	152.498	
3,000.00	2,691.68	3,703.00	3,591.91	25.16	17.99	-87.52	5,802.19	1,504.51	5,767.87	5,725.85	42.02	137.276	
3,100.00	2,772.46	3,703.00	3,591.91	26.45	17.99	-87.52	5,802.19	1,504.51	5,746.64	5,703.28	43.36	132.529	
3,200.00	2,853.23	3,758.75	3,643.29	27.74	18.42	-87.67	5,793.53	1,524.34	5,726.14	5,681.08	45.06	127.075	
3,300.00	2,934.01	3,798.00	3,679.84	29.03	18.72	-87.79	5,788.22	1,537.64	5,707.16	5,660.51	46.66	122.318	
3,400.00	3,014.79	3,798.00	3,679.84	30.32	18.72	-87.79	5,788.22	1,537.64	5,689.41	5,641.41	48.01	118.515	
3,500.00	3,095.57	3,859.38	3,737.42	31.61	19.16	-87.97	5,780.90	1,557.58	5,672.58	5,622.86	49.72	114.091	
3,600.00	3,176.35	3,894.00	3,770.07	32.91	19.41	-88.08	5,777.16	1,568.46	5,656.91	5,605.63	51.27	110.328	
3,700.00	3,257.13	3,931.77	3,805.84	34.20	19.66	-88.20	5,773.46	1,580.02	5,642.36	5,589.53	52.83	106.799	
3,800.00	3,337.91	3,990.00	3,861.27	35.50	20.05	-88.40	5,768.63	1,597.19	5,629.15	5,574.64	54.51	103.275	
3,900.00	3,418.69	3,990.00	3,861.27	36.80	20.05	-88.40	5,768.63	1,597.19	5,616.84	5,561.00	55.84	100.585	
4,000.00	3,499.47	4,046.12	3,915.03	38.09	20.39	-88.60	5,764.76	1,612.80	5,605.70	5,548.23	57.48	97.531	
4,100.00	3,580.25	4,096.65	3,963.75	39.39	20.69	-88.78	5,761.77	1,625.89	5,595.61	5,536.54	59.07	94.729	
4,200.00	3,661.03	4,508.42	4,363.58	40.69	22.96	-90.50	5,724.20	1,716.07	5,581.65	5,519.41	62.24	89.676	
4,300.00	3,741.81	4,563.00	4,416.52	41.99	23.27	-90.73	5,718.31	1,727.97	5,567.73	5,503.89	63.84	87.216	
4,400.00	3,822.58	4,659.00	4,509.30	43.29	23.83	-91.12	5,707.83	1,750.23	5,554.06	5,488.45	65.62	84.643	
4,500.00	3,903.36	4,723.53	4,571.51	44.59	24.20	-91.38	5,700.67	1,765.78	5,540.57	5,473.31	67.26	82.374	
4,600.00	3,984.14	4,850.00	4,693.73	45.89	24.94	-91.90	5,687.47	1,795.44	5,527.98	5,458.80	69.18	79.912	
4,700.00	4,064.92	4,926.08	4,766.72	47.20	25.41	-92.20	5,679.19	1,815.23	5,514.96	5,444.07	70.89	77.794	
4,800.00	4,145.70	4,947.00	4,786.83	48.50	25.54	-92.28	5,676.99	1,820.56	5,502.95	5,430.60	72.35	76.062	
4,900.00	4,226.48	4,999.39	4,837.20	49.80	25.86	-92.48	5,672.02	1,834.10	5,491.94	5,417.99	73.95	74.268	
5,000.00	4,307.26	5,042.00	4,878.12	51.10	26.12	-92.65	5,668.73	1,845.51	5,482.34	5,406.85	75.50	72.618	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,100.00	4,388.04	5,042.00	4,878.12	52.40	26.12	-92.65	5,668.73	1,845.51	5,474.07	5,397.25	76.82	71.258	
5,200.00	4,468.82	5,091.95	4,926.25	53.71	26.41	-92.84	5,665.68	1,858.49	5,466.91	5,388.54	78.38	69.750	
5,300.00	4,549.60	5,137.00	4,969.98	55.01	26.67	-93.02	5,663.61	1,869.13	5,461.25	5,381.35	79.90	68.349	
5,400.00	4,630.38	5,201.89	5,033.21	56.31	27.01	-93.30	5,660.95	1,883.43	5,456.58	5,375.09	81.49	66.958	
5,500.00	4,711.16	5,342.87	5,170.80	57.62	27.74	-93.91	5,654.07	1,913.43	5,451.73	5,368.31	83.42	65.355	
5,600.00	4,791.93	5,420.00	5,246.11	58.92	28.14	-94.25	5,649.77	1,929.51	5,446.66	5,361.62	85.04	64.046	
5,700.00	4,872.71	5,485.87	5,310.55	60.23	28.47	-94.54	5,646.25	1,942.65	5,442.27	5,355.67	86.60	62.842	
5,800.00	4,953.49	5,551.61	5,375.02	61.53	28.80	-94.84	5,643.22	1,955.16	5,438.92	5,350.77	88.15	61.700	
5,900.00	5,034.27	5,697.97	5,518.52	62.83	29.52	-95.51	5,636.12	1,983.04	5,435.82	5,345.79	90.02	60.381	
6,000.00	5,115.05	5,708.00	5,528.36	64.14	29.57	-95.56	5,635.56	1,984.96	5,432.91	5,341.58	91.33	59.488	
6,100.00	5,195.83	5,767.62	5,586.94	65.44	29.84	-95.84	5,632.70	1,995.63	5,430.87	5,338.06	92.81	58.515	
6,192.57	5,270.61	5,804.00	5,622.83	66.65	30.01	-96.01	5,631.45	2,001.43	5,430.42	5,336.33	94.10	57.711	
6,200.00	5,276.61	5,804.00	5,622.83	66.75	30.01	-96.01	5,631.45	2,001.43	5,430.43	5,336.24	94.19	57.656	
6,300.00	5,357.39	5,835.87	5,654.35	68.05	30.14	-96.17	5,630.60	2,006.10	5,431.26	5,335.75	95.51	56.864	
6,400.00	5,438.17	5,899.00	5,716.93	69.36	30.40	-96.49	5,629.38	2,014.31	5,433.40	5,336.45	96.95	56.046	
6,500.00	5,518.95	5,899.00	5,716.93	70.66	30.40	-96.49	5,629.38	2,014.31	5,436.58	5,338.47	98.11	55.413	
6,600.00	5,599.73	5,947.29	5,764.88	71.97	30.58	-96.74	5,629.01	2,020.03	5,441.04	5,341.60	99.44	54.716	
6,700.00	5,680.51	5,995.00	5,812.26	73.27	30.75	-96.98	5,629.29	2,025.60	5,446.89	5,346.13	100.76	54.058	
6,800.00	5,761.29	5,995.00	5,812.26	74.58	30.75	-96.98	5,629.29	2,025.60	5,454.03	5,352.18	101.85	53.549	
6,837.84	5,791.85	5,995.00	5,812.26	75.07	30.75	-96.98	5,629.29	2,025.60	5,457.20	5,354.95	102.26	53.368	
6,850.00	5,801.67	5,995.00	5,812.26	75.23	30.75	-95.31	5,629.29	2,025.60	5,458.16	5,355.77	102.38	53.310	
6,900.00	5,841.80	5,995.00	5,812.26	75.88	30.75	-88.65	5,629.29	2,025.60	5,459.70	5,356.78	102.91	53.051	
6,950.00	5,881.33	6,020.93	5,838.02	76.52	30.84	-82.65	5,629.95	2,028.40	5,456.99	5,353.43	103.56	52.695	
7,000.00	5,919.97	6,043.00	5,859.97	77.14	30.91	-77.27	5,631.03	2,030.45	5,450.87	5,346.69	104.18	52.323	
7,050.00	5,957.41	6,043.00	5,859.97	77.74	30.91	-72.48	5,631.03	2,030.45	5,440.67	5,336.00	104.67	51.977	
7,100.00	5,993.37	6,043.00	5,859.97	78.32	30.91	-68.41	5,631.03	2,030.45	5,426.78	5,321.62	105.15	51.610	
7,150.00	6,027.59	6,043.00	5,859.97	78.86	30.91	-65.05	5,631.03	2,030.45	5,409.26	5,303.66	105.60	51.225	
7,200.00	6,059.79	6,043.00	5,859.97	79.36	30.91	-62.35	5,631.03	2,030.45	5,388.21	5,282.20	106.02	50.824	
7,250.00	6,089.73	6,043.00	5,859.97	79.83	30.91	-60.29	5,631.03	2,030.45	5,363.77	5,257.37	106.40	50.410	
7,300.00	6,117.20	6,066.11	5,882.97	80.25	30.97	-59.03	5,632.52	2,032.22	5,335.83	5,228.96	106.87	49.929	
7,350.00	6,141.96	6,090.00	5,906.75	80.63	31.04	-58.43	5,634.32	2,033.61	5,305.01	5,197.70	107.31	49.438	
7,400.00	6,163.85	6,090.00	5,906.75	80.98	31.04	-58.23	5,634.32	2,033.61	5,271.05	5,163.45	107.59	48.990	
7,450.00	6,182.69	6,090.00	5,906.75	81.28	31.04	-58.70	5,634.32	2,033.61	5,234.39	5,126.54	107.85	48.535	
7,500.00	6,198.33	6,090.00	5,906.75	81.54	31.04	-59.94	5,634.32	2,033.61	5,195.27	5,087.20	108.07	48.074	
7,550.00	6,210.67	6,090.00	5,906.75	81.77	31.04	-62.13	5,634.32	2,033.61	5,153.92	5,045.66	108.26	47.607	
7,600.00	6,219.60	6,090.00	5,906.75	81.96	31.04	-65.54	5,634.32	2,033.61	5,110.61	5,002.19	108.42	47.136	
7,650.00	6,225.05	6,090.00	5,906.75	82.11	31.04	-70.66	5,634.32	2,033.61	5,065.63	4,957.07	108.56	46.662	
7,702.53	6,227.00	6,090.00	5,906.75	82.24	31.04	-78.70	5,634.32	2,033.61	5,016.91	4,908.23	108.68	46.162	
7,800.00	6,227.00	6,106.89	5,923.55	82.45	31.08	-79.24	5,635.77	2,034.54	4,925.35	4,816.37	108.98	45.194	
7,900.00	6,227.00	6,110.66	5,927.29	82.68	31.09	-79.36	5,636.12	2,034.78	4,831.71	4,722.48	109.23	44.236	
8,000.00	6,227.00	6,114.61	5,931.22	82.93	31.10	-79.49	5,636.49	2,035.04	4,738.31	4,628.83	109.48	43.281	
8,100.00	6,227.00	6,118.78	5,935.36	83.20	31.11	-79.63	5,636.90	2,035.33	4,645.18	4,535.44	109.74	42.329	
8,200.00	6,227.00	6,123.16	5,939.71	83.49	31.13	-79.77	5,637.33	2,035.65	4,552.33	4,442.32	110.01	41.380	
8,300.00	6,227.00	6,139.00	5,955.41	83.80	31.17	-80.28	5,639.00	2,036.94	4,459.82	4,349.45	110.37	40.409	
8,400.00	6,227.00	6,139.00	5,955.41	84.12	31.17	-80.28	5,639.00	2,036.94	4,367.57	4,256.93	110.63	39.478	
8,500.00	6,227.00	6,139.00	5,955.41	84.47	31.17	-80.28	5,639.00	2,036.94	4,275.66	4,164.75	110.91	38.550	
8,600.00	6,227.00	6,139.00	5,955.41	84.83	31.17	-80.28	5,639.00	2,036.94	4,184.13	4,072.93	111.20	37.627	
8,700.00	6,227.00	6,139.00	5,955.41	85.22	31.17	-80.28	5,639.00	2,036.94	4,093.00	3,981.50	111.50	36.708	
8,800.00	6,227.00	6,139.00	5,955.41	85.62	31.17	-80.28	5,639.00	2,036.94	4,002.29	3,890.47	111.81	35.795	
8,900.00	6,227.00	6,139.00	5,955.41	86.05	31.17	-80.28	5,639.00	2,036.94	3,912.03	3,799.89	112.13	34.887	
9,000.00	6,227.00	6,158.42	5,974.61	86.51	31.22	-80.91	5,641.28	2,038.72	3,822.12	3,709.51	112.61	33.941	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	6,163.10	5,979.23	86.98	31.23	-81.06	5,641.86	2,039.18	3,732.79	3,619.80	113.00	33.034	
9,200.00	6,227.00	6,168.02	5,984.09	87.49	31.25	-81.22	5,642.50	2,039.66	3,644.00	3,530.60	113.40	32.134	
9,300.00	6,227.00	6,186.00	6,001.80	88.01	31.30	-81.80	5,644.96	2,041.52	3,555.85	3,441.93	113.92	31.214	
9,400.00	6,227.00	6,186.00	6,001.80	88.56	31.30	-81.80	5,644.96	2,041.52	3,468.22	3,353.90	114.32	30.339	
9,500.00	6,227.00	6,186.00	6,001.80	89.14	31.30	-81.80	5,644.96	2,041.52	3,381.27	3,266.55	114.73	29.472	
9,600.00	6,227.00	6,186.00	6,001.80	89.75	31.30	-81.80	5,644.96	2,041.52	3,295.07	3,179.92	115.15	28.614	
9,700.00	6,227.00	6,186.00	6,001.80	90.38	31.30	-81.80	5,644.96	2,041.52	3,209.67	3,094.07	115.60	27.766	
9,800.00	6,227.00	6,186.00	6,001.80	91.04	31.30	-81.80	5,644.96	2,041.52	3,125.13	3,009.08	116.05	26.929	
9,900.00	6,227.00	6,186.00	6,001.80	91.73	31.30	-81.80	5,644.96	2,041.52	3,041.53	2,925.00	116.52	26.102	
10,000.00	6,227.00	6,200.69	6,016.23	92.44	31.34	-82.28	5,647.20	2,043.08	2,958.78	2,841.63	117.15	25.256	
10,100.00	6,227.00	6,204.31	6,019.79	93.19	31.35	-82.40	5,647.80	2,043.46	2,877.21	2,759.52	117.69	24.447	
10,200.00	6,227.00	6,216.00	6,031.23	93.96	31.38	-82.78	5,649.85	2,044.66	2,796.86	2,678.53	118.33	23.636	
10,300.00	6,227.00	6,216.00	6,031.23	94.76	31.38	-82.78	5,649.85	2,044.66	2,717.70	2,598.84	118.87	22.864	
10,400.00	6,227.00	6,216.00	6,031.23	95.59	31.38	-82.78	5,649.85	2,044.66	2,639.96	2,520.55	119.41	22.108	
10,500.00	6,227.00	6,216.00	6,031.23	96.45	31.38	-82.78	5,649.85	2,044.66	2,563.76	2,443.79	119.97	21.370	
10,600.00	6,227.00	6,216.00	6,031.23	97.34	31.38	-82.78	5,649.85	2,044.66	2,489.25	2,368.72	120.53	20.652	
10,700.00	6,227.00	6,229.51	6,044.41	98.26	31.41	-83.22	5,652.48	2,046.02	2,416.42	2,295.15	121.27	19.926	
10,800.00	6,227.00	6,234.54	6,049.30	99.20	31.43	-83.38	5,653.54	2,046.51	2,345.62	2,223.71	121.91	19.241	
10,900.00	6,227.00	6,246.00	6,060.42	100.18	31.45	-83.75	5,656.10	2,047.63	2,277.00	2,154.36	122.63	18.568	
11,000.00	6,227.00	6,246.00	6,060.42	101.18	31.45	-83.75	5,656.10	2,047.63	2,210.65	2,087.45	123.20	17.944	
11,100.00	6,227.00	6,246.00	6,060.42	102.20	31.45	-83.75	5,656.10	2,047.63	2,146.90	2,023.16	123.75	17.349	
11,200.00	6,227.00	6,263.06	6,076.87	103.26	31.49	-84.31	5,660.27	2,049.26	2,085.82	1,961.29	124.53	16.749	
11,300.00	6,227.00	6,282.00	6,095.03	104.33	31.54	-84.92	5,665.36	2,051.09	2,027.80	1,902.47	125.33	16.179	
11,400.00	6,227.00	6,282.00	6,095.03	105.44	31.54	-84.92	5,665.36	2,051.09	1,972.91	1,847.11	125.80	15.683	
11,500.00	6,227.00	6,300.72	6,112.82	106.57	31.57	-85.52	5,670.87	2,052.96	1,921.49	1,794.96	126.53	15.186	
11,600.00	6,227.00	6,319.65	6,130.64	107.72	31.61	-86.13	5,676.92	2,054.98	1,873.72	1,746.50	127.23	14.727	
11,700.00	6,227.00	6,330.00	6,140.31	108.89	31.64	-86.46	5,680.44	2,056.14	1,829.86	1,702.15	127.70	14.329	
11,800.00	6,227.00	6,353.92	6,162.43	110.09	31.68	-87.22	5,689.14	2,058.83	1,790.11	1,661.75	128.36	13.946	
11,900.00	6,227.00	6,379.00	6,185.25	111.31	31.73	-88.00	5,699.15	2,061.59	1,754.84	1,625.90	128.95	13.609	
12,000.00	6,227.00	6,413.86	6,215.62	112.54	31.79	-89.05	5,715.63	2,066.06	1,723.98	1,594.32	129.66	13.296	
12,100.00	6,227.00	6,448.86	6,243.67	113.80	31.84	-90.02	5,735.77	2,071.60	1,697.09	1,566.80	130.29	13.025	
12,200.00	6,227.00	6,473.00	6,261.69	115.08	31.88	-90.65	5,751.36	2,075.44	1,674.67	1,544.08	130.59	12.824	
12,300.00	6,227.00	6,505.00	6,284.46	116.37	31.90	-91.45	5,773.44	2,079.65	1,657.20	1,526.26	130.94	12.656	
12,400.00	6,227.00	6,505.00	6,284.46	117.69	31.90	-91.45	5,773.44	2,079.65	1,644.71	1,514.32	130.39	12.614	
12,500.00	6,227.00	6,547.00	6,313.09	119.02	31.90	-92.46	5,804.00	2,082.67	1,637.64	1,506.92	130.72	12.528 SF	
12,586.84	6,227.00	6,547.00	6,313.09	120.18	31.90	-92.46	5,804.00	2,082.67	1,635.34	1,505.37	129.97	12.583 CC, ES	
12,600.00	6,227.00	6,547.00	6,313.09	120.36	31.90	-92.46	5,804.00	2,082.67	1,635.39	1,505.55	129.84	12.596	
12,700.00	6,227.00	6,547.00	6,313.09	121.72	31.90	-92.46	5,804.00	2,082.67	1,639.25	1,510.48	128.77	12.730	
12,800.00	6,227.00	6,547.00	6,313.09	123.10	31.90	-92.46	5,804.00	2,082.67	1,649.17	1,521.63	127.54	12.931	
12,900.00	6,227.00	6,547.00	6,313.09	124.49	31.90	-92.46	5,804.00	2,082.67	1,665.05	1,538.89	126.16	13.198	
13,000.00	6,227.00	6,547.00	6,313.09	125.89	31.90	-92.46	5,804.00	2,082.67	1,686.72	1,562.06	124.66	13.530	
13,100.00	6,227.00	6,547.00	6,313.09	127.31	31.90	-92.46	5,804.00	2,082.67	1,713.96	1,590.89	123.07	13.926	
13,200.00	6,227.00	6,547.00	6,313.09	128.74	31.90	-92.46	5,804.00	2,082.67	1,746.51	1,625.09	121.42	14.384	
13,300.00	6,227.00	6,547.00	6,313.09	130.18	31.90	-92.46	5,804.00	2,082.67	1,784.08	1,664.34	119.74	14.900	
13,400.00	6,227.00	6,547.00	6,313.09	131.63	31.90	-92.46	5,804.00	2,082.67	1,826.35	1,708.30	118.06	15.470	
13,500.00	6,227.00	6,547.00	6,313.09	133.09	31.90	-92.46	5,804.00	2,082.67	1,873.02	1,756.62	116.39	16.092	
13,600.00	6,227.00	6,547.00	6,313.09	134.57	31.90	-92.46	5,804.00	2,082.67	1,923.75	1,808.98	114.77	16.761	
13,700.00	6,227.00	6,547.00	6,313.09	136.05	31.90	-92.46	5,804.00	2,082.67	1,978.25	1,865.03	113.21	17.473	
13,800.00	6,227.00	6,547.00	6,313.09	137.54	31.90	-92.46	5,804.00	2,082.67	2,036.19	1,924.46	111.73	18.224	
13,900.00	6,227.00	6,547.00	6,313.09	139.05	31.90	-92.46	5,804.00	2,082.67	2,097.31	1,986.98	110.33	19.010	
14,000.00	6,227.00	6,547.00	6,313.09	140.56	31.90	-92.46	5,804.00	2,082.67	2,161.33	2,052.31	109.02	19.826	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HNB - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 604-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.00	6,227.00	6,547.00	6,313.09	142.07	31.90	-92.46	5,804.00	2,082.67	2,228.00	2,120.20	107.79	20.669	
14,200.00	6,227.00	6,547.00	6,313.09	143.60	31.90	-92.46	5,804.00	2,082.67	2,297.09	2,190.42	106.67	21.535	
14,300.00	6,227.00	6,547.00	6,313.09	145.14	31.90	-92.46	5,804.00	2,082.67	2,368.38	2,262.76	105.63	22.422	
14,400.00	6,227.00	6,547.00	6,313.09	146.68	31.90	-92.46	5,804.00	2,082.67	2,441.69	2,337.02	104.68	23.325	
14,500.00	6,227.00	6,547.00	6,313.09	148.23	31.90	-92.46	5,804.00	2,082.67	2,516.84	2,413.03	103.81	24.244	
14,600.00	6,227.00	6,547.00	6,313.09	149.78	31.90	-92.46	5,804.00	2,082.67	2,593.67	2,490.64	103.03	25.174	
14,700.00	6,227.00	6,547.00	6,313.09	151.35	31.90	-92.46	5,804.00	2,082.67	2,672.03	2,569.72	102.32	26.115	
14,800.00	6,227.00	6,547.00	6,313.09	152.91	31.90	-92.46	5,804.00	2,082.67	2,751.80	2,650.12	101.68	27.064	
14,900.00	6,227.00	6,547.00	6,313.09	154.49	31.90	-92.46	5,804.00	2,082.67	2,832.85	2,731.75	101.10	28.019	
15,000.00	6,227.00	6,547.00	6,313.09	156.07	31.90	-92.46	5,804.00	2,082.67	2,915.07	2,814.49	100.59	28.981	
15,100.00	6,227.00	6,547.00	6,313.09	157.65	31.90	-92.46	5,804.00	2,082.67	2,998.38	2,898.26	100.13	29.946	
15,200.00	6,227.00	6,547.00	6,313.09	159.24	31.90	-92.46	5,804.00	2,082.67	3,082.68	2,982.97	99.71	30.915	
15,300.00	6,227.00	6,547.00	6,313.09	160.84	31.90	-92.46	5,804.00	2,082.67	3,167.89	3,068.55	99.35	31.887	
15,400.00	6,227.00	6,547.00	6,313.09	162.44	31.90	-92.46	5,804.00	2,082.67	3,253.95	3,154.93	99.02	32.860	
15,500.00	6,227.00	6,547.00	6,313.09	164.05	31.90	-92.46	5,804.00	2,082.67	3,340.78	3,242.04	98.74	33.835	
15,600.00	6,227.00	6,547.00	6,313.09	165.66	31.90	-92.46	5,804.00	2,082.67	3,428.33	3,329.85	98.48	34.811	
15,700.00	6,227.00	6,547.00	6,313.09	167.27	31.90	-92.46	5,804.00	2,082.67	3,516.54	3,418.28	98.26	35.787	
15,800.00	6,227.00	6,547.00	6,313.09	168.89	31.90	-92.46	5,804.00	2,082.67	3,605.37	3,507.30	98.07	36.764	
15,900.00	6,227.00	6,547.00	6,313.09	170.51	31.90	-92.46	5,804.00	2,082.67	3,694.77	3,596.87	97.90	37.740	
16,000.00	6,227.00	6,547.00	6,313.09	172.14	31.90	-92.46	5,804.00	2,082.67	3,784.70	3,686.95	97.75	38.717	
16,100.00	6,227.00	6,547.00	6,313.09	173.77	31.90	-92.46	5,804.00	2,082.67	3,875.13	3,777.50	97.63	39.692	
16,200.00	6,227.00	6,547.00	6,313.09	175.40	31.90	-92.46	5,804.00	2,082.67	3,966.01	3,868.49	97.52	40.667	
16,300.00	6,227.00	6,547.00	6,313.09	177.04	31.90	-92.46	5,804.00	2,082.67	4,057.32	3,959.89	97.43	41.642	
16,400.00	6,227.00	6,547.00	6,313.09	178.68	31.90	-92.46	5,804.00	2,082.67	4,149.04	4,051.68	97.36	42.615	
16,500.00	6,227.00	6,547.00	6,313.09	180.32	31.90	-92.46	5,804.00	2,082.67	4,241.12	4,143.82	97.30	43.588	
16,600.00	6,227.00	6,547.00	6,313.09	181.96	31.90	-92.46	5,804.00	2,082.67	4,333.56	4,236.31	97.25	44.560	
16,700.00	6,227.00	6,547.00	6,313.09	183.61	31.90	-92.46	5,804.00	2,082.67	4,426.33	4,329.11	97.22	45.531	
16,800.00	6,227.00	6,547.00	6,313.09	185.27	31.90	-92.46	5,804.00	2,082.67	4,519.41	4,422.21	97.19	46.500	
16,900.00	6,227.00	6,547.00	6,313.09	186.92	31.90	-92.46	5,804.00	2,082.67	4,612.77	4,515.60	97.17	47.469	
17,000.00	6,227.00	6,547.00	6,313.09	188.58	31.90	-92.46	5,804.00	2,082.67	4,706.41	4,609.24	97.17	48.437	
17,100.00	6,227.00	6,547.00	6,313.09	190.24	31.90	-92.46	5,804.00	2,082.67	4,800.30	4,703.14	97.16	49.404	
17,200.00	6,227.00	6,547.00	6,313.09	191.90	31.90	-92.46	5,804.00	2,082.67	4,894.44	4,797.27	97.17	50.370	
17,300.00	6,227.00	6,547.00	6,313.09	193.57	31.90	-92.46	5,804.00	2,082.67	4,988.81	4,891.62	97.18	51.335	
17,348.07	6,227.00	6,547.00	6,313.09	194.37	31.90	-92.46	5,804.00	2,082.67	5,034.24	4,937.05	97.19	51.798	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HNB - STK 1 - FINAL SURVEY												Offset Well Error:	0.00 usft
Survey Program: 604-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	16.79	16.79	0.00	0.03	7.64	6,061.39	812.71	6,115.63				
100.00	100.00	121.70	121.70	0.27	0.21	7.64	6,061.31	812.90	6,115.58	6,115.10	0.48	N/A	
200.00	200.00	226.61	226.60	0.63	0.40	7.64	6,061.10	813.39	6,115.45	6,114.42	1.02	5,975.149	
300.00	299.98	331.50	331.50	0.98	0.58	-76.58	6,060.77	814.17	6,114.83	6,113.27	1.56	3,920.772	
400.00	399.84	436.32	436.31	1.34	0.76	-76.65	6,060.32	815.24	6,113.32	6,111.22	2.10	2,912.239	
500.00	499.45	540.95	540.93	1.71	0.95	-76.77	6,059.74	816.60	6,110.93	6,108.28	2.65	2,303.955	
600.00	598.70	604.00	603.97	2.10	1.06	-76.89	6,059.33	817.56	6,107.81	6,104.66	3.15	1,938.311	
700.00	697.47	665.58	665.54	2.51	1.28	-77.02	6,059.31	818.52	6,104.52	6,100.74	3.78	1,613.966	
800.00	795.62	876.48	876.42	2.95	1.99	-77.49	6,059.13	817.55	6,100.09	6,095.15	4.94	1,233.975	
900.00	893.06	933.65	933.58	3.44	2.19	-77.73	6,058.72	816.64	6,094.30	6,088.68	5.62	1,084.944	
1,000.00	989.64	1,189.09	1,188.60	3.96	3.10	-78.39	6,052.67	826.12	6,086.46	6,079.42	7.04	864.488	
1,100.00	1,085.27	1,246.00	1,245.05	4.54	3.31	-78.65	6,050.46	832.89	6,077.70	6,069.88	7.82	777.346	
1,200.00	1,179.82	1,394.88	1,391.68	5.16	3.90	-79.06	6,043.60	857.66	6,068.21	6,059.18	9.03	672.198	
1,300.00	1,273.17	1,629.32	1,619.26	5.85	4.98	-79.56	6,027.31	911.31	6,056.34	6,045.58	10.76	563.007	
1,400.00	1,365.21	1,890.00	1,868.55	6.59	6.41	-80.12	6,000.59	982.59	6,040.45	6,027.57	12.87	469.264	
1,500.00	1,455.84	1,890.00	1,868.55	7.40	6.41	-80.44	6,000.59	982.59	6,024.59	6,010.92	13.68	440.437	
1,600.00	1,544.94	1,948.93	1,924.69	8.28	6.76	-80.84	5,994.52	999.43	6,008.75	5,993.86	14.89	403.664	
1,700.00	1,632.39	1,986.00	1,959.97	9.23	6.98	-81.21	5,991.44	1,010.40	5,993.88	5,977.84	16.04	373.684	
1,800.00	1,718.11	2,031.42	2,003.17	10.25	7.25	-81.59	5,988.08	1,024.01	5,979.48	5,962.16	17.32	345.172	
1,900.00	1,801.97	2,304.70	2,263.34	11.35	8.93	-82.61	5,964.44	1,104.11	5,963.72	5,943.70	20.01	297.974	
2,005.96	1,888.70	2,368.00	2,323.72	12.60	9.32	-83.17	5,958.45	1,122.17	5,945.51	5,923.88	21.63	274.885	
2,100.00	1,964.66	2,411.15	2,364.85	13.75	9.59	-83.31	5,954.65	1,134.65	5,929.84	5,906.81	23.04	257.387	
2,200.00	2,045.44	2,715.68	2,654.02	14.99	11.55	-84.25	5,922.88	1,224.47	5,912.48	5,886.39	26.09	226.598	
2,300.00	2,126.22	2,827.94	2,759.97	16.24	12.31	-84.59	5,908.70	1,258.76	5,892.86	5,864.82	28.04	210.177	
2,400.00	2,207.00	2,882.47	2,811.59	17.50	12.66	-84.76	5,901.69	1,274.86	5,873.29	5,843.66	29.63	198.217	
2,500.00	2,287.78	2,936.00	2,862.78	18.77	13.01	-84.94	5,895.85	1,289.38	5,855.13	5,823.90	31.22	187.531	
2,600.00	2,368.56	3,024.63	2,947.84	20.04	13.55	-85.25	5,886.54	1,312.50	5,837.75	5,804.76	33.00	176.923	
2,700.00	2,449.34	3,090.03	3,010.62	21.31	13.94	-85.49	5,879.33	1,329.33	5,820.13	5,785.49	34.65	167.993	
2,800.00	2,530.12	3,184.52	3,101.71	22.59	14.50	-85.84	5,869.40	1,352.39	5,803.14	5,766.70	36.44	159.252	
2,900.00	2,610.90	3,222.00	3,137.90	23.88	14.72	-85.98	5,865.34	1,361.25	5,786.39	5,748.44	37.94	152.498	
3,000.00	2,691.68	3,703.00	3,591.91	25.16	17.99	-87.52	5,802.19	1,504.51	5,767.87	5,725.85	42.02	137.276	
3,100.00	2,772.46	3,703.00	3,591.91	26.45	17.99	-87.52	5,802.19	1,504.51	5,746.64	5,703.28	43.36	132.529	
3,200.00	2,853.23	3,758.75	3,643.29	27.74	18.42	-87.67	5,793.53	1,524.34	5,726.14	5,681.08	45.06	127.075	
3,300.00	2,934.01	3,798.00	3,679.84	29.03	18.72	-87.79	5,788.22	1,537.64	5,707.16	5,660.51	46.66	122.318	
3,400.00	3,014.79	3,798.00	3,679.84	30.32	18.72	-87.79	5,788.22	1,537.64	5,689.41	5,641.41	48.01	118.515	
3,500.00	3,095.57	3,859.38	3,737.42	31.61	19.16	-87.97	5,780.90	1,557.58	5,672.58	5,622.86	49.72	114.091	
3,600.00	3,176.35	3,894.00	3,770.07	32.91	19.41	-88.08	5,777.16	1,568.46	5,656.91	5,605.63	51.27	110.328	
3,700.00	3,257.13	3,931.77	3,805.84	34.20	19.66	-88.20	5,773.46	1,580.02	5,642.36	5,589.53	52.83	106.799	
3,800.00	3,337.91	3,990.00	3,861.27	35.50	20.05	-88.40	5,768.63	1,597.19	5,629.15	5,574.64	54.51	103.275	
3,900.00	3,418.69	3,990.00	3,861.27	36.80	20.05	-88.40	5,768.63	1,597.19	5,616.84	5,561.00	55.84	100.585	
4,000.00	3,499.47	4,046.12	3,915.03	38.09	20.39	-88.60	5,764.76	1,612.80	5,605.70	5,548.23	57.48	97.531	
4,100.00	3,580.25	4,096.65	3,963.75	39.39	20.69	-88.78	5,761.77	1,625.89	5,595.61	5,536.54	59.07	94.729	
4,200.00	3,661.03	4,508.42	4,363.58	40.69	22.96	-90.50	5,724.20	1,716.07	5,581.65	5,519.41	62.24	89.676	
4,300.00	3,741.81	4,563.00	4,416.52	41.99	23.27	-90.73	5,718.31	1,727.97	5,567.73	5,503.89	63.84	87.216	
4,400.00	3,822.58	4,659.00	4,509.30	43.29	23.83	-91.12	5,707.83	1,750.23	5,554.06	5,488.45	65.62	84.643	
4,500.00	3,903.36	4,723.53	4,571.51	44.59	24.20	-91.38	5,700.67	1,765.78	5,540.57	5,473.31	67.26	82.374	
4,600.00	3,984.14	4,850.00	4,693.73	45.89	24.94	-91.90	5,687.47	1,795.44	5,527.98	5,458.80	69.18	79.912	
4,700.00	4,064.92	4,926.08	4,766.72	47.20	25.41	-92.20	5,679.19	1,815.23	5,514.96	5,444.07	70.89	77.794	
4,800.00	4,145.70	4,947.00	4,786.83	48.50	25.54	-92.28	5,676.99	1,820.56	5,502.95	5,430.60	72.35	76.062	
4,900.00	4,226.48	4,999.39	4,837.20	49.80	25.86	-92.48	5,672.02	1,834.10	5,491.94	5,417.99	73.95	74.268	
5,000.00	4,307.26	5,042.00	4,878.12	51.10	26.12	-92.65	5,668.73	1,845.51	5,482.34	5,406.85	75.50	72.618	

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-20-07
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-20-07	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	
5,100.00	4,388.04	5,042.00	4,878.12	52.40	26.12	-92.65	5,668.73	1,845.51	5,474.07	5,397.25	76.82	71.258	
5,200.00	4,468.82	5,091.95	4,926.25	53.71	26.41	-92.84	5,665.68	1,858.49	5,466.91	5,388.54	78.38	69.750	
5,300.00	4,549.60	5,137.00	4,969.98	55.01	26.67	-93.02	5,663.61	1,869.13	5,461.25	5,381.35	79.90	68.349	
5,400.00	4,630.38	5,201.89	5,033.21	56.31	27.01	-93.30	5,660.95	1,883.43	5,456.58	5,375.09	81.49	66.958	
5,500.00	4,711.16	5,342.87	5,170.80	57.62	27.74	-93.91	5,654.07	1,913.43	5,451.73	5,368.31	83.42	65.355	
5,600.00	4,791.93	5,420.00	5,246.11	58.92	28.14	-94.25	5,649.77	1,929.51	5,446.66	5,361.62	85.04	64.046	
5,700.00	4,872.71	5,485.87	5,310.55	60.23	28.47	-94.54	5,646.25	1,942.65	5,442.27	5,355.67	86.60	62.842	
5,800.00	4,953.49	5,551.61	5,375.02	61.53	28.80	-94.84	5,643.22	1,955.16	5,438.92	5,350.77	88.15	61.700	
5,900.00	5,034.27	5,697.97	5,518.52	62.83	29.52	-95.51	5,636.12	1,983.04	5,435.82	5,345.79	90.02	60.381	
6,000.00	5,115.05	5,731.54	5,551.45	64.14	29.68	-95.66	5,634.35	1,989.35	5,432.72	5,341.30	91.42	59.423	
6,100.00	5,195.83	5,757.00	5,576.49	65.44	29.80	-95.78	5,633.30	1,993.85	5,431.06	5,338.29	92.77	58.541	
6,178.93	5,259.59	5,787.18	5,606.23	66.47	29.93	-95.93	5,632.28	1,998.84	5,430.70	5,336.83	93.86	57.859	
6,200.00	5,276.61	5,795.63	5,614.57	66.75	29.97	-95.97	5,632.02	2,000.17	5,430.72	5,336.57	94.15	57.681	
6,300.00	5,357.39	5,828.00	5,646.57	68.05	30.11	-96.13	5,631.11	2,004.98	5,431.58	5,336.09	95.49	56.883	
6,400.00	5,438.17	5,852.00	5,670.33	69.36	30.21	-96.25	5,630.57	2,008.32	5,433.73	5,336.97	96.76	56.155	
6,500.00	5,518.95	5,872.33	5,690.48	70.66	30.29	-96.35	5,630.37	2,011.06	5,437.42	5,339.42	98.00	55.483	
6,600.00	5,599.73	5,900.00	5,717.90	71.97	30.39	-96.49	5,630.76	2,014.69	5,442.87	5,343.62	99.25	54.840	
6,700.00	5,680.51	5,900.00	5,717.90	73.27	30.39	-96.49	5,630.76	2,014.69	5,449.70	5,349.35	100.35	54.307	
6,800.00	5,761.29	5,900.00	5,717.90	74.58	30.39	-96.49	5,630.76	2,014.69	5,458.34	5,356.93	101.41	53.822	
6,837.84	5,791.85	5,900.00	5,717.90	75.07	30.39	-96.49	5,630.76	2,014.69	5,462.09	5,360.28	101.81	53.651	
6,850.00	5,801.67	5,900.00	5,717.90	75.23	30.39	-94.81	5,630.76	2,014.69	5,463.22	5,361.29	101.93	53.596	
6,900.00	5,841.80	5,900.00	5,717.90	75.88	30.39	-88.14	5,630.76	2,014.69	5,465.51	5,363.06	102.45	53.348	
6,950.00	5,881.33	5,900.00	5,717.90	76.52	30.39	-81.97	5,630.76	2,014.69	5,463.98	5,361.02	102.96	53.070	
7,000.00	5,919.97	5,923.77	5,741.42	77.14	30.48	-76.57	5,631.99	2,017.86	5,458.08	5,354.49	103.59	52.689	
7,050.00	5,957.41	5,948.00	5,765.29	77.74	30.56	-71.89	5,634.37	2,021.31	5,449.16	5,344.95	104.21	52.288	
7,100.00	5,993.37	5,948.00	5,765.29	78.32	30.56	-67.79	5,634.37	2,021.31	5,435.95	5,331.27	104.68	51.930	
7,150.00	6,027.59	5,948.00	5,765.29	78.86	30.56	-64.39	5,634.37	2,021.31	5,419.08	5,313.97	105.11	51.554	
7,200.00	6,059.79	5,948.00	5,765.29	79.36	30.56	-61.65	5,634.37	2,021.31	5,398.66	5,293.14	105.52	51.162	
7,250.00	6,089.73	5,948.00	5,765.29	79.83	30.56	-59.53	5,634.37	2,021.31	5,374.81	5,268.91	105.89	50.756	
7,300.00	6,117.20	5,948.00	5,765.29	80.25	30.56	-58.00	5,634.37	2,021.31	5,347.65	5,241.42	106.24	50.338	
7,350.00	6,141.96	5,948.00	5,765.29	80.63	30.56	-57.05	5,634.37	2,021.31	5,317.35	5,210.81	106.54	49.908	
7,400.00	6,163.85	5,948.00	5,765.29	80.98	30.56	-56.69	5,634.37	2,021.31	5,284.09	5,177.28	106.82	49.469	
7,450.00	6,182.69	5,948.00	5,765.29	81.28	30.56	-56.95	5,634.37	2,021.31	5,248.07	5,141.01	107.06	49.022	
7,500.00	6,198.33	5,948.00	5,765.29	81.54	30.56	-57.93	5,634.37	2,021.31	5,209.50	5,102.23	107.26	48.567	
7,550.00	6,210.67	5,948.00	5,765.29	81.77	30.56	-59.76	5,634.37	2,021.31	5,168.62	5,061.18	107.44	48.106	
7,600.00	6,219.60	5,948.00	5,765.29	81.96	30.56	-62.70	5,634.37	2,021.31	5,125.71	5,018.11	107.60	47.638	
7,650.00	6,225.05	5,948.00	5,765.29	82.11	30.56	-67.16	5,634.37	2,021.31	5,081.02	4,973.30	107.73	47.166	
7,702.53	6,227.00	5,948.00	5,765.29	82.24	30.56	-74.26	5,634.37	2,021.31	5,032.51	4,924.67	107.84	46.666	
7,800.00	6,227.00	5,948.00	5,765.29	82.45	30.56	-74.26	5,634.37	2,021.31	4,941.31	4,833.27	108.03	45.738	
7,900.00	6,227.00	5,948.00	5,765.29	82.68	30.56	-74.26	5,634.37	2,021.31	4,848.00	4,739.76	108.24	44.789	
8,000.00	6,227.00	5,948.00	5,765.29	82.93	30.56	-74.26	5,634.37	2,021.31	4,754.97	4,646.52	108.45	43.843	
8,100.00	6,227.00	5,948.00	5,765.29	83.20	30.56	-74.26	5,634.37	2,021.31	4,662.22	4,553.55	108.67	42.901	
8,200.00	6,227.00	5,948.00	5,765.29	83.49	30.56	-74.26	5,634.37	2,021.31	4,569.78	4,460.88	108.90	41.963	
8,300.00	6,227.00	5,969.99	5,786.77	83.80	30.64	-74.90	5,637.62	2,024.69	4,477.15	4,367.83	109.32	40.955	
8,400.00	6,227.00	5,971.83	5,788.56	84.12	30.64	-74.96	5,637.94	2,024.99	4,385.29	4,275.71	109.58	40.019	
8,500.00	6,227.00	5,973.77	5,790.44	84.47	30.65	-75.01	5,638.29	2,025.31	4,293.79	4,183.94	109.85	39.087	
8,600.00	6,227.00	5,996.00	5,811.85	84.83	30.72	-75.66	5,642.89	2,029.10	4,203.10	4,092.79	110.31	38.103	
8,700.00	6,227.00	5,996.00	5,811.85	85.22	30.72	-75.66	5,642.89	2,029.10	4,112.29	4,001.70	110.59	37.186	
8,800.00	6,227.00	5,996.00	5,811.85	85.62	30.72	-75.66	5,642.89	2,029.10	4,021.92	3,911.04	110.88	36.274	
8,900.00	6,227.00	5,996.00	5,811.85	86.05	30.72	-75.66	5,642.89	2,029.10	3,932.01	3,820.84	111.17	35.368	
9,000.00	6,227.00	5,996.00	5,811.85	86.51	30.72	-75.66	5,642.89	2,029.10	3,842.61	3,731.12	111.48	34.468	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	5,996.00	5,811.85	86.98	30.72	-75.66	5,642.89	2,029.10	3,753.73	3,641.93	111.80	33.575		
9,200.00	6,227.00	5,996.00	5,811.85	87.49	30.72	-75.66	5,642.89	2,029.10	3,665.44	3,553.30	112.13	32.689		
9,300.00	6,227.00	5,996.00	5,811.85	88.01	30.72	-75.66	5,642.89	2,029.10	3,577.75	3,465.28	112.47	31.810		
9,400.00	6,227.00	5,996.00	5,811.85	88.56	30.72	-75.66	5,642.89	2,029.10	3,490.73	3,377.91	112.82	30.939		
9,500.00	6,227.00	5,996.00	5,811.85	89.14	30.72	-75.66	5,642.89	2,029.10	3,404.42	3,291.23	113.19	30.078		
9,600.00	6,227.00	5,996.00	5,811.85	89.75	30.72	-75.66	5,642.89	2,029.10	3,318.88	3,205.32	113.56	29.225		
9,700.00	6,227.00	5,996.00	5,811.85	90.38	30.72	-75.66	5,642.89	2,029.10	3,234.17	3,120.23	113.95	28.383		
9,800.00	6,227.00	6,018.42	5,833.15	91.04	30.79	-76.31	5,648.52	2,033.27	3,150.01	3,035.39	114.61	27.484		
9,900.00	6,227.00	6,024.78	5,839.14	91.73	30.81	-76.49	5,650.27	2,034.52	3,066.94	2,951.84	115.11	26.644		
10,000.00	6,227.00	6,044.00	5,857.06	92.44	30.88	-77.04	5,655.96	2,038.48	2,984.96	2,869.18	115.78	25.782		
10,100.00	6,227.00	6,044.00	5,857.06	93.19	30.88	-77.04	5,655.96	2,038.48	2,903.83	2,787.61	116.22	24.985		
10,200.00	6,227.00	6,044.00	5,857.06	93.96	30.88	-77.04	5,655.96	2,038.48	2,823.92	2,707.24	116.68	24.203		
10,300.00	6,227.00	6,044.00	5,857.06	94.76	30.88	-77.04	5,655.96	2,038.48	2,745.32	2,628.18	117.14	23.436		
10,400.00	6,227.00	6,044.00	5,857.06	95.59	30.88	-77.04	5,655.96	2,038.48	2,668.16	2,550.55	117.61	22.687		
10,500.00	6,227.00	6,064.93	5,876.30	96.45	30.94	-77.64	5,662.89	2,042.90	2,592.12	2,473.73	118.40	21.894		
10,600.00	6,227.00	6,072.11	5,882.84	97.34	30.96	-77.84	5,665.45	2,044.39	2,517.88	2,398.89	118.99	21.160		
10,700.00	6,227.00	6,092.00	5,900.77	98.26	31.02	-78.40	5,673.03	2,048.49	2,445.51	2,325.71	119.80	20.413		
10,800.00	6,227.00	6,092.00	5,900.77	99.20	31.02	-78.40	5,673.03	2,048.49	2,374.74	2,254.44	120.30	19.741		
10,900.00	6,227.00	6,092.00	5,900.77	100.18	31.02	-78.40	5,673.03	2,048.49	2,306.13	2,185.35	120.78	19.094		
11,000.00	6,227.00	6,092.00	5,900.77	101.18	31.02	-78.40	5,673.03	2,048.49	2,239.88	2,118.64	121.24	18.474		
11,100.00	6,227.00	6,114.64	5,920.93	102.20	31.07	-79.04	5,682.36	2,052.83	2,175.68	2,053.57	122.12	17.816		
11,200.00	6,227.00	6,140.00	5,943.32	103.26	31.13	-79.76	5,693.51	2,057.02	2,114.54	1,991.49	123.05	17.185		
11,300.00	6,227.00	6,140.00	5,943.32	104.33	31.13	-79.76	5,693.51	2,057.02	2,055.73	1,932.26	123.46	16.651		
11,400.00	6,227.00	6,140.00	5,943.32	105.44	31.13	-79.76	5,693.51	2,057.02	2,000.19	1,876.36	123.83	16.152		
11,500.00	6,227.00	6,140.00	5,943.32	106.57	31.13	-79.76	5,693.51	2,057.02	1,948.21	1,824.06	124.14	15.693		
11,600.00	6,227.00	6,161.37	5,961.90	107.72	31.15	-80.37	5,703.65	2,059.92	1,899.43	1,774.56	124.87	15.211		
11,700.00	6,227.00	6,188.00	5,984.50	108.89	31.19	-81.12	5,717.47	2,062.62	1,855.14	1,729.46	125.68	14.761		
11,800.00	6,227.00	6,188.00	5,984.50	110.09	31.19	-81.12	5,717.47	2,062.62	1,814.25	1,688.45	125.80	14.422		
11,900.00	6,227.00	6,188.00	5,984.50	111.31	31.19	-81.12	5,717.47	2,062.62	1,778.04	1,652.24	125.80	14.134		
12,000.00	6,227.00	6,188.00	5,984.50	112.54	31.19	-81.12	5,717.47	2,062.62	1,746.82	1,621.14	125.68	13.899		
12,100.00	6,227.00	6,236.00	6,023.71	113.80	31.22	-82.44	5,745.03	2,064.77	1,720.08	1,593.33	126.75	13.571		
12,200.00	6,227.00	6,236.00	6,023.71	115.08	31.22	-82.44	5,745.03	2,064.77	1,697.97	1,571.56	126.40	13.433		
12,300.00	6,227.00	6,257.27	6,040.29	116.37	31.21	-83.00	5,758.37	2,064.88	1,681.24	1,554.71	126.52	13.288		
12,400.00	6,227.00	6,292.90	6,066.29	117.69	31.21	-83.89	5,782.70	2,064.90	1,669.17	1,542.22	126.95	13.148		
12,500.00	6,227.00	6,345.78	6,101.41	119.02	31.19	-85.10	5,822.20	2,064.86	1,661.08	1,533.28	127.80	12.997		
12,600.00	6,227.00	6,415.15	6,144.14	120.36	31.14	-86.58	5,876.84	2,064.44	1,656.35	1,527.26	129.08	12.832		
12,700.00	6,227.00	6,474.00	6,179.79	121.72	31.10	-87.81	5,923.67	2,063.82	1,654.33	1,524.35	129.97	12.728 ES		
12,706.44	6,227.00	6,474.00	6,179.79	121.81	31.10	-87.81	5,923.67	2,063.82	1,654.31	1,524.41	129.91	12.735 CC		
12,800.00	6,227.00	6,522.00	6,208.07	123.10	31.07	-88.79	5,962.44	2,062.77	1,655.57	1,525.13	130.44	12.692		
12,900.00	6,227.00	6,570.00	6,235.57	124.49	31.04	-89.74	6,001.72	2,060.74	1,660.50	1,529.67	130.83	12.692		
13,000.00	6,227.00	6,617.00	6,260.82	125.89	31.00	-90.61	6,041.20	2,057.31	1,669.44	1,538.33	131.11	12.733		
13,100.00	6,227.00	6,665.00	6,284.49	127.31	30.95	-91.43	6,082.69	2,052.61	1,681.83	1,550.47	131.36	12.803		
13,200.00	6,227.00	6,967.46	6,348.18	128.74	30.71	-93.58	6,373.98	2,036.80	1,685.56	1,544.86	140.70	11.980		
13,300.00	6,227.00	7,051.00	6,347.97	130.18	30.71	-93.57	6,457.50	2,034.63	1,688.50	1,546.10	142.40	11.858		
13,400.00	6,227.00	7,134.31	6,347.62	131.63	30.76	-93.55	6,540.75	2,031.66	1,692.41	1,548.26	144.15	11.740		
13,500.00	6,227.00	7,265.63	6,347.85	133.09	31.01	-93.55	6,672.01	2,027.83	1,695.58	1,547.71	147.87	11.467		
13,600.00	6,227.00	7,337.00	6,348.13	134.57	31.26	-93.55	6,743.34	2,025.39	1,699.29	1,550.01	149.29	11.383		
13,700.00	6,227.00	7,451.04	6,348.19	136.05	31.85	-93.54	6,857.29	2,021.14	1,703.39	1,550.85	152.54	11.167		
13,800.00	6,227.00	7,546.00	6,349.17	137.54	32.52	-93.57	6,952.20	2,018.03	1,707.06	1,551.99	155.07	11.008		
13,900.00	6,227.00	7,638.85	6,349.80	139.05	33.33	-93.58	7,044.98	2,014.72	1,711.02	1,553.45	157.57	10.859		
14,000.00	6,227.00	7,721.01	6,348.91	140.56	34.13	-93.54	7,127.06	2,011.02	1,715.80	1,556.18	159.62	10.749		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 24-T5N-R63W - EXIST HZ NORTH PLATTE O-K-24HNB - STK 1 - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 604-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.00	6,227.00	7,832.86	6,347.85	142.07	35.33	-93.50	7,238.77	2,005.84	1,720.71	1,557.64	163.08	10.552	
14,200.00	6,227.00	7,938.40	6,348.86	143.60	36.56	-93.52	7,344.23	2,001.73	1,725.00	1,558.68	166.32	10.372	
14,300.00	6,227.00	8,055.55	6,349.83	145.14	38.02	-93.54	7,461.30	1,997.29	1,729.26	1,559.11	170.16	10.163	
14,400.00	6,227.00	8,164.93	6,351.95	146.68	39.44	-93.61	7,570.63	1,995.06	1,731.72	1,558.04	173.68	9.971	
14,500.00	6,227.00	8,250.58	6,352.44	148.23	40.59	-93.62	7,656.25	1,992.72	1,734.84	1,558.74	176.10	9.851	
14,600.00	6,227.00	8,356.04	6,351.09	149.78	42.04	-93.57	7,761.64	1,989.17	1,738.49	1,558.99	179.50	9.685	
14,700.00	6,227.00	8,453.41	6,350.19	151.35	43.41	-93.53	7,858.96	1,986.44	1,741.58	1,559.05	182.53	9.542	
14,800.00	6,227.00	8,535.78	6,351.11	152.91	44.58	-93.55	7,941.27	1,983.66	1,745.39	1,560.54	184.85	9.442	
14,900.00	6,227.00	8,633.76	6,350.94	154.49	46.01	-93.54	8,039.16	1,979.36	1,750.10	1,562.15	187.96	9.311	
15,000.00	6,227.00	8,780.97	6,352.64	156.07	48.18	-93.59	8,186.30	1,975.10	1,753.49	1,559.94	193.55	9.060	
15,100.00	6,227.00	8,898.67	6,352.74	157.65	49.96	-93.59	8,303.99	1,974.42	1,754.36	1,556.69	197.67	8.875	
15,200.00	6,227.00	8,989.18	6,351.66	159.24	51.35	-93.55	8,394.49	1,973.50	1,755.63	1,555.16	200.48	8.757	
15,300.00	6,227.00	9,094.27	6,352.57	160.84	52.97	-93.58	8,499.57	1,973.05	1,756.45	1,552.43	204.02	8.609	
15,400.00	6,227.00	9,178.00	6,352.94	162.44	54.27	-93.59	8,583.29	1,972.01	1,758.05	1,551.53	206.52	8.513	
15,500.00	6,227.00	9,274.77	6,351.85	164.05	55.79	-93.55	8,680.04	1,970.34	1,760.05	1,550.38	209.67	8.395	
15,600.00	6,227.00	9,376.69	6,349.77	165.66	57.40	-93.47	8,781.92	1,968.24	1,762.34	1,549.26	213.08	8.271	
15,700.00	6,227.00	9,492.64	6,348.43	167.27	59.24	-93.43	8,897.85	1,966.96	1,763.69	1,546.47	217.22	8.119	
15,800.00	6,227.00	9,592.12	6,348.94	168.89	60.83	-93.44	8,997.32	1,966.24	1,764.79	1,544.25	220.54	8.002	
15,900.00	6,227.00	9,683.92	6,348.94	170.51	62.31	-93.44	9,089.12	1,965.28	1,766.19	1,542.70	223.49	7.903	
16,000.00	6,227.00	9,760.22	6,349.41	172.14	63.54	-93.45	9,165.40	1,964.04	1,768.26	1,542.62	225.65	7.836	
16,100.00	6,227.00	9,821.00	6,350.06	173.77	64.53	-93.47	9,226.14	1,961.89	1,772.26	1,545.32	226.94	7.809	
16,200.00	6,227.00	9,897.64	6,350.78	175.40	65.78	-93.48	9,302.67	1,957.81	1,777.99	1,548.95	229.05	7.763	
16,300.00	6,227.00	10,026.25	6,352.00	177.04	67.89	-93.51	9,431.09	1,950.94	1,783.76	1,549.73	234.04	7.622	
16,400.00	6,227.00	10,107.00	6,353.05	178.68	69.21	-93.53	9,511.73	1,946.83	1,789.25	1,552.86	236.39	7.569	
16,500.00	6,227.00	10,213.06	6,353.12	180.32	70.97	-93.52	9,617.62	1,940.93	1,795.17	1,555.02	240.15	7.475	
16,600.00	6,227.00	10,325.79	6,350.56	181.96	72.84	-93.43	9,730.19	1,935.56	1,800.10	1,555.84	244.26	7.370	
16,700.00	6,227.00	10,409.82	6,349.67	183.61	74.24	-93.39	9,814.10	1,931.28	1,805.47	1,558.66	246.81	7.315	
16,800.00	6,227.00	10,518.09	6,349.21	185.27	76.05	-93.37	9,922.21	1,925.48	1,811.15	1,560.45	250.70	7.224	
16,900.00	6,227.00	10,629.05	6,348.33	186.92	77.91	-93.33	10,033.07	1,920.72	1,815.70	1,560.97	254.73	7.128	
17,000.00	6,227.00	10,746.89	6,347.59	188.58	79.89	-93.30	10,150.79	1,915.49	1,820.55	1,561.42	259.13	7.026	
17,100.00	6,227.00	10,841.27	6,348.04	190.24	81.48	-93.30	10,245.12	1,912.67	1,823.93	1,561.66	262.27	6.954	
17,200.00	6,227.00	11,000.00	6,346.68	191.90	84.16	-93.26	10,403.79	1,910.88	1,824.81	1,556.09	268.72	6.791 SF	
17,300.00	6,227.00	11,000.00	6,346.68	193.57	84.16	-93.26	10,403.79	1,910.88	1,828.32	1,561.44	266.87	6.851	
17,348.07	6,227.00	11,000.00	6,346.68	194.37	84.16	-93.26	10,403.79	1,910.88	1,831.94	1,566.20	265.74	6.894	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
0.00	0.00	30.00	30.00	0.00	0.34	37.94	3,555.45	2,771.33	4,507.93				
100.00	100.00	130.00	130.00	0.27	1.81	37.94	3,555.45	2,771.33	4,507.93	4,505.85	2.08	2,167.800	
200.00	200.00	230.00	230.00	0.63	4.05	37.94	3,555.45	2,771.33	4,507.93	4,503.26	4.68	963.804	
300.00	299.98	329.98	329.98	0.98	6.12	-46.30	3,555.45	2,771.33	4,506.73	4,499.63	7.10	634.900	
400.00	399.84	429.84	429.84	1.34	8.15	-46.40	3,555.45	2,771.33	4,503.11	4,493.62	9.49	474.458	
500.00	499.45	529.45	529.45	1.71	10.17	-46.57	3,555.45	2,771.33	4,497.10	4,485.22	11.88	378.603	
600.00	598.70	628.70	628.70	2.10	12.18	-46.81	3,555.45	2,771.33	4,488.71	4,474.44	14.26	314.671	
700.00	697.47	727.47	727.47	2.51	14.17	-47.11	3,555.45	2,771.33	4,477.96	4,461.30	16.65	268.880	
800.00	795.62	825.62	825.62	2.95	16.15	-47.48	3,555.45	2,771.33	4,464.89	4,445.84	19.05	234.392	
900.00	893.06	923.06	923.06	3.44	18.12	-47.92	3,555.45	2,771.33	4,449.53	4,428.08	21.45	207.427	
1,000.00	989.64	1,019.64	1,019.64	3.96	20.06	-48.43	3,555.45	2,771.33	4,431.94	4,408.08	23.86	185.722	
1,100.00	1,085.27	1,115.27	1,115.27	4.54	21.99	-49.01	3,555.45	2,771.33	4,412.17	4,385.89	26.29	167.843	
1,200.00	1,179.82	1,209.82	1,209.82	5.16	23.89	-49.67	3,555.45	2,771.33	4,390.28	4,361.55	28.73	152.833	
1,300.00	1,273.17	1,303.17	1,303.17	5.85	25.77	-50.39	3,555.45	2,771.33	4,366.34	4,335.16	31.18	140.031	
1,400.00	1,365.21	1,395.21	1,395.21	6.59	27.62	-51.18	3,555.45	2,771.33	4,340.42	4,306.76	33.66	128.968	
1,500.00	1,455.84	1,485.84	1,485.84	7.40	29.45	-52.05	3,555.45	2,771.33	4,312.60	4,276.45	36.15	119.297	
1,600.00	1,544.94	1,574.94	1,574.94	8.28	31.24	-52.99	3,555.45	2,771.33	4,282.99	4,244.32	38.67	110.761	
1,700.00	1,632.39	1,662.39	1,662.39	9.23	33.00	-54.00	3,555.45	2,771.33	4,251.67	4,210.46	41.21	103.163	
1,800.00	1,718.11	1,748.11	1,748.11	10.25	34.73	-55.09	3,555.45	2,771.33	4,218.76	4,174.98	43.79	96.351	
1,900.00	1,801.97	1,831.97	1,831.97	11.35	36.41	-56.24	3,555.45	2,771.33	4,184.36	4,137.98	46.39	90.203	
2,005.96	1,888.70	1,918.70	1,918.70	12.60	38.16	-57.53	3,555.45	2,771.33	4,146.43	4,097.25	49.18	84.309	
2,100.00	1,964.66	1,994.66	1,994.66	13.75	39.69	-58.10	3,555.45	2,771.33	4,112.36	4,060.67	51.69	79.558	
2,200.00	2,045.44	2,075.44	2,075.44	14.99	41.31	-58.71	3,555.45	2,771.33	4,076.65	4,022.27	54.38	74.960	
2,300.00	2,126.22	2,156.22	2,156.22	16.24	42.94	-59.32	3,555.45	2,771.33	4,041.48	3,984.38	57.11	70.772	
2,400.00	2,207.00	2,237.00	2,237.00	17.50	44.56	-59.95	3,555.45	2,771.33	4,006.87	3,947.02	59.85	66.947	
2,500.00	2,287.78	2,317.78	2,317.78	18.77	46.19	-60.58	3,555.45	2,771.33	3,972.84	3,910.22	62.62	63.444	
2,600.00	2,368.56	2,398.56	2,398.56	20.04	47.81	-61.22	3,555.45	2,771.33	3,939.39	3,873.98	65.41	60.226	
2,700.00	2,449.34	2,479.34	2,479.34	21.31	49.44	-61.86	3,555.45	2,771.33	3,906.54	3,838.32	68.22	57.263	
2,800.00	2,530.12	2,560.12	2,560.12	22.59	51.06	-62.52	3,555.45	2,771.33	3,874.31	3,803.26	71.05	54.529	
2,900.00	2,610.90	2,640.90	2,640.90	23.88	52.69	-63.18	3,555.45	2,771.33	3,842.72	3,768.82	73.90	52.000	
3,000.00	2,691.68	2,721.68	2,721.68	25.16	54.31	-63.85	3,555.45	2,771.33	3,811.78	3,735.01	76.77	49.655	
3,100.00	2,772.46	2,802.46	2,802.46	26.45	55.93	-64.53	3,555.45	2,771.33	3,781.50	3,701.85	79.65	47.477	
3,200.00	2,853.23	2,883.23	2,883.23	27.74	57.56	-65.22	3,555.45	2,771.33	3,751.90	3,669.35	82.55	45.450	
3,300.00	2,934.01	2,964.01	2,964.01	29.03	59.18	-65.91	3,555.45	2,771.33	3,723.01	3,637.54	85.47	43.561	
3,400.00	3,014.79	3,044.79	3,044.79	30.32	60.81	-66.61	3,555.45	2,771.33	3,694.82	3,606.42	88.40	41.797	
3,500.00	3,095.57	3,125.57	3,125.57	31.61	62.43	-67.32	3,555.45	2,771.33	3,667.37	3,576.02	91.35	40.148	
3,600.00	3,176.35	3,206.35	3,206.35	32.91	64.06	-68.04	3,555.45	2,771.33	3,640.67	3,546.36	94.31	38.604	
3,700.00	3,257.13	3,287.13	3,287.13	34.20	65.68	-68.76	3,555.45	2,771.33	3,614.72	3,517.44	97.28	37.157	
3,800.00	3,337.91	3,367.91	3,367.91	35.50	67.31	-69.50	3,555.45	2,771.33	3,589.56	3,489.30	100.27	35.800	
3,900.00	3,418.69	3,448.69	3,448.69	36.80	68.93	-70.23	3,555.45	2,771.33	3,565.20	3,461.93	103.27	34.524	
4,000.00	3,499.47	3,529.47	3,529.47	38.09	70.56	-70.98	3,555.45	2,771.33	3,541.65	3,435.38	106.28	33.325	
4,100.00	3,580.25	3,610.25	3,610.25	39.39	72.18	-71.73	3,555.45	2,771.33	3,518.93	3,409.64	109.30	32.196	
4,200.00	3,661.03	3,691.03	3,691.03	40.69	73.81	-72.49	3,555.45	2,771.33	3,497.06	3,384.73	112.33	31.133	
4,300.00	3,741.81	3,771.81	3,771.81	41.99	75.43	-73.25	3,555.45	2,771.33	3,476.05	3,360.69	115.36	30.131	
4,400.00	3,822.58	3,852.58	3,852.58	43.29	77.06	-74.03	3,555.45	2,771.33	3,455.91	3,337.51	118.41	29.187	
4,500.00	3,903.36	3,933.36	3,933.36	44.59	78.68	-74.80	3,555.45	2,771.33	3,436.67	3,315.22	121.46	28.295	
4,600.00	3,984.14	4,014.14	4,014.14	45.89	80.30	-75.59	3,555.45	2,771.33	3,418.34	3,293.83	124.51	27.454	
4,700.00	4,064.92	4,094.92	4,094.92	47.20	81.93	-76.37	3,555.45	2,771.33	3,400.93	3,273.36	127.57	26.659	
4,800.00	4,145.70	4,175.70	4,175.70	48.50	83.55	-77.17	3,555.45	2,771.33	3,384.46	3,253.83	130.63	25.908	
4,900.00	4,226.48	4,256.48	4,256.48	49.80	85.18	-77.97	3,555.45	2,771.33	3,368.94	3,235.24	133.70	25.198	
5,000.00	4,307.26	4,337.26	4,337.26	51.10	86.80	-78.77	3,555.45	2,771.33	3,354.38	3,217.62	136.76	24.527	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	4,388.04	4,418.04	4,418.04	52.40	88.43	-79.58	3,555.45	2,771.33	3,340.81	3,200.98	139.82	23.893		
5,200.00	4,468.82	4,498.82	4,498.82	53.71	90.05	-80.39	3,555.45	2,771.33	3,328.21	3,185.33	142.88	23.293		
5,300.00	4,549.60	4,579.60	4,579.60	55.01	91.68	-81.21	3,555.45	2,771.33	3,316.62	3,170.68	145.94	22.726		
5,400.00	4,630.38	4,660.38	4,660.38	56.31	93.30	-82.03	3,555.45	2,771.33	3,306.04	3,157.05	148.99	22.190		
5,500.00	4,711.16	4,741.16	4,741.16	57.62	94.93	-82.85	3,555.45	2,771.33	3,296.48	3,144.45	152.03	21.683		
5,600.00	4,791.93	4,821.93	4,821.93	58.92	96.55	-83.67	3,555.45	2,771.33	3,287.95	3,132.88	155.07	21.203		
5,700.00	4,872.71	4,902.71	4,902.71	60.23	98.17	-84.50	3,555.45	2,771.33	3,280.46	3,122.36	158.09	20.750		
5,800.00	4,953.49	4,983.49	4,983.49	61.53	99.80	-85.33	3,555.45	2,771.33	3,274.01	3,112.90	161.11	20.322		
5,900.00	5,034.27	5,064.27	5,064.27	62.83	101.42	-86.17	3,555.45	2,771.33	3,268.61	3,104.50	164.11	19.917		
6,000.00	5,115.05	5,145.05	5,145.05	64.14	103.05	-87.00	3,555.45	2,771.33	3,264.27	3,097.17	167.10	19.535		
6,100.00	5,195.83	5,225.83	5,225.83	65.44	104.67	-87.84	3,555.45	2,771.33	3,260.98	3,090.91	170.08	19.174		
6,200.00	5,276.61	5,306.61	5,306.61	66.75	106.30	-88.67	3,555.45	2,771.33	3,258.76	3,085.73	173.03	18.833		
6,300.00	5,357.39	5,387.39	5,387.39	68.05	107.92	-89.51	3,555.45	2,771.33	3,257.61	3,081.64	175.97	18.512		
6,358.28	5,404.47	5,434.47	5,434.47	68.81	108.87	-90.00	3,555.45	2,771.33	3,257.43	3,079.75	177.68	18.333		
6,400.00	5,438.17	5,468.17	5,468.17	69.36	109.55	-90.35	3,555.45	2,771.33	3,257.52	3,078.63	178.89	18.209		
6,500.00	5,518.95	5,548.95	5,548.95	70.66	111.17	-91.19	3,555.45	2,771.33	3,258.50	3,076.70	181.80	17.924		
6,600.00	5,599.73	5,629.73	5,629.73	71.97	112.80	-92.02	3,555.45	2,771.33	3,260.54	3,075.86	184.68	17.655		
6,700.00	5,680.51	5,710.51	5,710.51	73.27	114.42	-92.86	3,555.45	2,771.33	3,263.65	3,076.11	187.54	17.403		
6,800.00	5,761.29	5,791.29	5,791.29	74.58	116.04	-93.69	3,555.45	2,771.33	3,267.82	3,077.44	190.37	17.165		
6,837.84	5,791.85	5,821.85	5,821.85	75.07	116.66	-94.01	3,555.45	2,771.33	3,269.67	3,078.23	191.44	17.079		
6,850.00	5,801.67	5,831.67	5,831.67	75.23	116.86	-92.45	3,555.45	2,771.33	3,270.17	3,078.39	191.78	17.052		
6,900.00	5,841.80	5,871.80	5,871.80	75.88	117.66	-86.25	3,555.45	2,771.33	3,269.72	3,076.53	193.18	16.926		
6,950.00	5,881.33	5,911.33	5,911.33	76.52	118.46	-80.55	3,555.45	2,771.33	3,265.24	3,070.68	194.56	16.782		
7,000.00	5,919.97	5,949.97	5,949.97	77.14	119.24	-75.49	3,555.45	2,771.33	3,256.79	3,060.87	195.91	16.624		
7,050.00	5,957.41	5,987.41	5,987.41	77.74	119.99	-71.15	3,555.45	2,771.33	3,244.43	3,047.21	197.22	16.451		
7,100.00	5,993.37	6,023.37	6,023.37	78.32	120.71	-67.55	3,555.45	2,771.33	3,228.26	3,029.79	198.48	16.265		
7,150.00	6,027.59	6,057.59	6,057.59	78.86	121.40	-64.67	3,555.45	2,771.33	3,208.41	3,008.74	199.67	16.069		
7,200.00	6,059.79	6,089.79	6,089.79	79.36	122.05	-62.49	3,555.45	2,771.33	3,185.01	2,984.22	200.79	15.862		
7,250.00	6,089.73	6,119.73	6,119.73	79.83	122.65	-60.99	3,555.45	2,771.33	3,158.23	2,956.40	201.83	15.648		
7,300.00	6,117.20	6,147.20	6,147.20	80.25	123.20	-60.16	3,555.45	2,771.33	3,128.26	2,925.47	202.79	15.426		
7,350.00	6,141.96	6,171.96	6,171.96	80.63	123.70	-60.00	3,555.45	2,771.33	3,095.31	2,891.65	203.66	15.199		
7,400.00	6,163.85	6,193.85	6,193.85	80.98	124.14	-60.56	3,555.45	2,771.33	3,059.60	2,855.17	204.43	14.967		
7,450.00	6,182.69	6,212.69	6,212.69	81.28	124.52	-61.93	3,555.45	2,771.33	3,021.38	2,816.28	205.10	14.731		
7,500.00	6,198.33	6,228.33	6,228.33	81.54	124.83	-64.24	3,555.45	2,771.33	2,980.91	2,775.23	205.68	14.493		
7,550.00	6,210.67	6,240.67	6,240.67	81.77	125.08	-67.72	3,555.45	2,771.33	2,938.45	2,732.31	206.15	14.254		
7,600.00	6,219.60	6,249.60	6,249.60	81.96	125.26	-72.72	3,555.45	2,771.33	2,894.30	2,687.79	206.52	14.015		
7,650.00	6,225.05	6,255.05	6,255.05	82.11	125.37	-79.74	3,555.45	2,771.33	2,848.76	2,641.97	206.79	13.776		
7,702.53	6,227.00	6,257.00	6,257.00	82.24	125.41	-90.00	3,555.45	2,771.33	2,799.74	2,592.78	206.97	13.527		
7,800.00	6,227.00	6,257.00	6,257.00	82.45	125.41	-90.00	3,555.45	2,771.33	2,708.09	2,500.89	207.20	13.070		
7,900.00	6,227.00	6,257.00	6,257.00	82.68	125.41	-90.00	3,555.45	2,771.33	2,614.50	2,407.05	207.45	12.603		
8,000.00	6,227.00	6,257.00	6,257.00	82.93	125.41	-90.00	3,555.45	2,771.33	2,521.40	2,313.69	207.71	12.139		
8,100.00	6,227.00	6,257.00	6,257.00	83.20	125.41	-90.00	3,555.45	2,771.33	2,428.85	2,220.87	207.98	11.679		
8,200.00	6,227.00	6,257.00	6,257.00	83.49	125.41	-90.00	3,555.45	2,771.33	2,336.91	2,128.66	208.25	11.222		
8,300.00	6,227.00	6,257.00	6,257.00	83.80	125.41	-90.00	3,555.45	2,771.33	2,245.67	2,037.13	208.53	10.769		
8,400.00	6,227.00	6,257.00	6,257.00	84.12	125.41	-90.00	3,555.45	2,771.33	2,155.20	1,946.37	208.82	10.321		
8,500.00	6,227.00	6,257.00	6,257.00	84.47	125.41	-90.00	3,555.45	2,771.33	2,065.61	1,856.49	209.12	9.878		
8,600.00	6,227.00	6,257.00	6,257.00	84.83	125.41	-90.00	3,555.45	2,771.33	1,977.01	1,767.60	209.41	9.441		
8,700.00	6,227.00	6,257.00	6,257.00	85.22	125.41	-90.00	3,555.45	2,771.33	1,889.56	1,679.86	209.70	9.011		
8,800.00	6,227.00	6,257.00	6,257.00	85.62	125.41	-90.00	3,555.45	2,771.33	1,803.41	1,593.43	209.98	8.588		
8,900.00	6,227.00	6,257.00	6,257.00	86.05	125.41	-90.00	3,555.45	2,771.33	1,718.76	1,508.52	210.24	8.175		
9,000.00	6,227.00	6,257.00	6,257.00	86.51	125.41	-90.00	3,555.45	2,771.33	1,635.85	1,425.38	210.47	7.772		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	86.98	125.41	-90.00	3,555.45	2,771.33	1,554.95	1,344.29	210.66	7.381		
9,200.00	6,227.00	6,257.00	6,257.00	87.49	125.41	-90.00	3,555.45	2,771.33	1,476.39	1,265.60	210.78	7.004		
9,300.00	6,227.00	6,257.00	6,257.00	88.01	125.41	-90.00	3,555.45	2,771.33	1,400.56	1,189.75	210.81	6.644		
9,400.00	6,227.00	6,257.00	6,257.00	88.56	125.41	-90.00	3,555.45	2,771.33	1,327.94	1,117.23	210.71	6.302		
9,500.00	6,227.00	6,257.00	6,257.00	89.14	125.41	-90.00	3,555.45	2,771.33	1,259.08	1,048.64	210.44	5.983		
9,600.00	6,227.00	6,257.00	6,257.00	89.75	125.41	-90.00	3,555.45	2,771.33	1,194.63	984.69	209.94	5.690		
9,700.00	6,227.00	6,257.00	6,257.00	90.38	125.41	-90.00	3,555.45	2,771.33	1,135.34	926.19	209.15	5.428		
9,800.00	6,227.00	6,257.00	6,257.00	91.04	125.41	-90.00	3,555.45	2,771.33	1,082.06	874.06	208.00	5.202		
9,900.00	6,227.00	6,257.00	6,257.00	91.73	125.41	-90.00	3,555.45	2,771.33	1,035.72	829.30	206.42	5.018		
10,000.00	6,227.00	6,257.00	6,257.00	92.44	125.41	-90.00	3,555.45	2,771.33	997.28	792.93	204.35	4.880		
10,100.00	6,227.00	6,257.00	6,257.00	93.19	125.41	-90.00	3,555.45	2,771.33	967.69	765.91	201.78	4.796		
10,200.00	6,227.00	6,257.00	6,257.00	93.96	125.41	-90.00	3,555.45	2,771.33	947.77	749.02	198.75	4.769 SF		
10,300.00	6,227.00	6,257.00	6,257.00	94.76	125.41	-90.00	3,555.45	2,771.33	938.15	742.78	195.37	4.802 ES		
10,340.72	6,227.00	6,257.00	6,257.00	95.10	125.41	-90.00	3,555.45	2,771.33	937.27	743.34	193.93	4.833 CC		
10,400.00	6,227.00	6,257.00	6,257.00	95.59	125.41	-90.00	3,555.45	2,771.33	939.14	747.32	191.82	4.896		
10,500.00	6,227.00	6,257.00	6,257.00	96.45	125.41	-90.00	3,555.45	2,771.33	950.70	762.38	188.32	5.048		
10,600.00	6,227.00	6,257.00	6,257.00	97.34	125.41	-90.00	3,555.45	2,771.33	972.47	787.35	185.12	5.253		
10,700.00	6,227.00	6,257.00	6,257.00	98.26	125.41	-90.00	3,555.45	2,771.33	1,003.77	821.37	182.40	5.503		
10,800.00	6,227.00	6,257.00	6,257.00	99.20	125.41	-90.00	3,555.45	2,771.33	1,043.75	863.47	180.27	5.790		
10,900.00	6,227.00	6,257.00	6,257.00	100.18	125.41	-90.00	3,555.45	2,771.33	1,091.45	912.67	178.78	6.105		
11,000.00	6,227.00	6,257.00	6,257.00	101.18	125.41	-90.00	3,555.45	2,771.33	1,145.91	968.05	177.87	6.443		
11,100.00	6,227.00	6,257.00	6,257.00	102.20	125.41	-90.00	3,555.45	2,771.33	1,206.22	1,028.77	177.45	6.798		
11,200.00	6,227.00	6,257.00	6,257.00	103.26	125.41	-90.00	3,555.45	2,771.33	1,271.55	1,094.12	177.42	7.167		
11,300.00	6,227.00	6,257.00	6,257.00	104.33	125.41	-90.00	3,555.45	2,771.33	1,341.15	1,163.46	177.69	7.548		
11,400.00	6,227.00	6,257.00	6,257.00	105.44	125.41	-90.00	3,555.45	2,771.33	1,414.40	1,236.26	178.15	7.940		
11,500.00	6,227.00	6,257.00	6,257.00	106.57	125.41	-90.00	3,555.45	2,771.33	1,490.77	1,312.04	178.73	8.341		
11,600.00	6,227.00	6,257.00	6,257.00	107.72	125.41	-90.00	3,555.45	2,771.33	1,569.79	1,390.39	179.40	8.750		
11,700.00	6,227.00	6,257.00	6,257.00	108.89	125.41	-90.00	3,555.45	2,771.33	1,651.09	1,470.99	180.10	9.168		
11,800.00	6,227.00	6,257.00	6,257.00	110.09	125.41	-90.00	3,555.45	2,771.33	1,734.35	1,553.54	180.81	9.592		
11,900.00	6,227.00	6,257.00	6,257.00	111.31	125.41	-90.00	3,555.45	2,771.33	1,819.29	1,637.77	181.52	10.023		
12,000.00	6,227.00	6,257.00	6,257.00	112.54	125.41	-90.00	3,555.45	2,771.33	1,905.70	1,723.49	182.20	10.459		
12,100.00	6,227.00	6,257.00	6,257.00	113.80	125.41	-90.00	3,555.45	2,771.33	1,993.37	1,810.51	182.87	10.901		
12,200.00	6,227.00	6,257.00	6,257.00	115.08	125.41	-90.00	3,555.45	2,771.33	2,082.16	1,898.66	183.50	11.347		
12,300.00	6,227.00	6,257.00	6,257.00	116.37	125.41	-90.00	3,555.45	2,771.33	2,171.92	1,987.82	184.10	11.797		
12,400.00	6,227.00	6,257.00	6,257.00	117.69	125.41	-90.00	3,555.45	2,771.33	2,262.54	2,077.87	184.67	12.252		
12,500.00	6,227.00	6,257.00	6,257.00	119.02	125.41	-90.00	3,555.45	2,771.33	2,353.92	2,168.71	185.21	12.709		
12,600.00	6,227.00	6,257.00	6,257.00	120.36	125.41	-90.00	3,555.45	2,771.33	2,445.98	2,260.25	185.73	13.170		
12,700.00	6,227.00	6,257.00	6,257.00	121.72	125.41	-90.00	3,555.45	2,771.33	2,538.63	2,352.42	186.21	13.633		
12,800.00	6,227.00	6,257.00	6,257.00	123.10	125.41	-90.00	3,555.45	2,771.33	2,631.83	2,445.16	186.67	14.099		
12,900.00	6,227.00	6,257.00	6,257.00	124.49	125.41	-90.00	3,555.45	2,771.33	2,725.50	2,538.41	187.10	14.567		
13,000.00	6,227.00	6,257.00	6,257.00	125.89	125.41	-90.00	3,555.45	2,771.33	2,819.62	2,632.11	187.51	15.037		
13,100.00	6,227.00	6,257.00	6,257.00	127.31	125.41	-90.00	3,555.45	2,771.33	2,914.12	2,726.23	187.89	15.510		
13,200.00	6,227.00	6,257.00	6,257.00	128.74	125.41	-90.00	3,555.45	2,771.33	3,008.98	2,820.72	188.26	15.983		
13,300.00	6,227.00	6,257.00	6,257.00	130.18	125.41	-90.00	3,555.45	2,771.33	3,104.16	2,915.55	188.60	16.459		
13,400.00	6,227.00	6,257.00	6,257.00	131.63	125.41	-90.00	3,555.45	2,771.33	3,199.63	3,010.70	188.93	16.935		
13,500.00	6,227.00	6,257.00	6,257.00	133.09	125.41	-90.00	3,555.45	2,771.33	3,295.38	3,106.13	189.25	17.413		
13,600.00	6,227.00	6,257.00	6,257.00	134.57	125.41	-90.00	3,555.45	2,771.33	3,391.37	3,201.82	189.54	17.892		
13,700.00	6,227.00	6,257.00	6,257.00	136.05	125.41	-90.00	3,555.45	2,771.33	3,487.58	3,297.75	189.83	18.372		
13,800.00	6,227.00	6,257.00	6,257.00	137.54	125.41	-90.00	3,555.45	2,771.33	3,584.00	3,393.90	190.10	18.853		
13,900.00	6,227.00	6,257.00	6,257.00	139.05	125.41	-90.00	3,555.45	2,771.33	3,680.62	3,490.26	190.36	19.335		
14,000.00	6,227.00	6,257.00	6,257.00	140.56	125.41	-90.00	3,555.45	2,771.33	3,777.40	3,586.80	190.60	19.818		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6,257.00	6,257.00	142.07	125.41	-90.00	3,555.45	2,771.33	3,874.36	3,683.52	190.84	20.302		
14,200.00	6,227.00	6,257.00	6,257.00	143.60	125.41	-90.00	3,555.45	2,771.33	3,971.46	3,780.40	191.07	20.786		
14,300.00	6,227.00	6,257.00	6,257.00	145.14	125.41	-90.00	3,555.45	2,771.33	4,068.70	3,877.42	191.28	21.271		
14,400.00	6,227.00	6,257.00	6,257.00	146.68	125.41	-90.00	3,555.45	2,771.33	4,166.08	3,974.59	191.49	21.756		
14,500.00	6,227.00	6,257.00	6,257.00	148.23	125.41	-90.00	3,555.45	2,771.33	4,263.57	4,071.88	191.69	22.242		
14,600.00	6,227.00	6,257.00	6,257.00	149.78	125.41	-90.00	3,555.45	2,771.33	4,361.18	4,169.30	191.88	22.728		
14,700.00	6,227.00	6,257.00	6,257.00	151.35	125.41	-90.00	3,555.45	2,771.33	4,458.90	4,266.83	192.07	23.215		
14,800.00	6,227.00	6,257.00	6,257.00	152.91	125.41	-90.00	3,555.45	2,771.33	4,556.71	4,364.46	192.25	23.702		
14,900.00	6,227.00	6,257.00	6,257.00	154.49	125.41	-90.00	3,555.45	2,771.33	4,654.62	4,462.20	192.42	24.190		
15,000.00	6,227.00	6,257.00	6,257.00	156.07	125.41	-90.00	3,555.45	2,771.33	4,752.61	4,560.02	192.59	24.677		
15,100.00	6,227.00	6,257.00	6,257.00	157.65	125.41	-90.00	3,555.45	2,771.33	4,850.69	4,657.94	192.75	25.166		
15,200.00	6,227.00	6,257.00	6,257.00	159.24	125.41	-90.00	3,555.45	2,771.33	4,948.84	4,755.94	192.91	25.654		
15,300.00	6,227.00	6,257.00	6,257.00	160.84	125.41	-90.00	3,555.45	2,771.33	5,047.07	4,854.01	193.06	26.143		
15,400.00	6,227.00	6,257.00	6,257.00	162.44	125.41	-90.00	3,555.45	2,771.33	5,145.36	4,952.16	193.21	26.631		
15,500.00	6,227.00	6,257.00	6,257.00	164.05	125.41	-90.00	3,555.45	2,771.33	5,243.72	5,050.37	193.35	27.120		
15,600.00	6,227.00	6,257.00	6,257.00	165.66	125.41	-90.00	3,555.45	2,771.33	5,342.14	5,148.65	193.49	27.610		
15,700.00	6,227.00	6,257.00	6,257.00	167.27	125.41	-90.00	3,555.45	2,771.33	5,440.62	5,246.99	193.62	28.099		
15,800.00	6,227.00	6,257.00	6,257.00	168.89	125.41	-90.00	3,555.45	2,771.33	5,539.15	5,345.39	193.76	28.588		
15,900.00	6,227.00	6,257.00	6,257.00	170.51	125.41	-90.00	3,555.45	2,771.33	5,637.73	5,443.85	193.88	29.078		
16,000.00	6,227.00	6,257.00	6,257.00	172.14	125.41	-90.00	3,555.45	2,771.33	5,736.37	5,542.36	194.01	29.568		
16,100.00	6,227.00	6,257.00	6,257.00	173.77	125.41	-90.00	3,555.45	2,771.33	5,835.05	5,640.91	194.13	30.057		
16,200.00	6,227.00	6,257.00	6,257.00	175.40	125.41	-90.00	3,555.45	2,771.33	5,933.77	5,739.52	194.25	30.547		
16,300.00	6,227.00	6,257.00	6,257.00	177.04	125.41	-90.00	3,555.45	2,771.33	6,032.53	5,838.17	194.37	31.037		
16,400.00	6,227.00	6,257.00	6,257.00	178.68	125.41	-90.00	3,555.45	2,771.33	6,131.34	5,936.86	194.48	31.527		
16,500.00	6,227.00	6,257.00	6,257.00	180.32	125.41	-90.00	3,555.45	2,771.33	6,230.18	6,035.59	194.59	32.017		
16,600.00	6,227.00	6,257.00	6,257.00	181.96	125.41	-90.00	3,555.45	2,771.33	6,329.06	6,134.36	194.70	32.507		
16,700.00	6,227.00	6,257.00	6,257.00	183.61	125.41	-90.00	3,555.45	2,771.33	6,427.98	6,233.17	194.81	32.997		
16,800.00	6,227.00	6,257.00	6,257.00	185.27	125.41	-90.00	3,555.45	2,771.33	6,526.92	6,332.01	194.91	33.487		
16,900.00	6,227.00	6,257.00	6,257.00	186.92	125.41	-90.00	3,555.45	2,771.33	6,625.90	6,430.89	195.01	33.976		
17,000.00	6,227.00	6,257.00	6,257.00	188.58	125.41	-90.00	3,555.45	2,771.33	6,724.91	6,529.80	195.12	34.466		
17,100.00	6,227.00	6,257.00	6,257.00	190.24	125.41	-90.00	3,555.45	2,771.33	6,823.95	6,628.74	195.21	34.956		
17,200.00	6,227.00	6,257.00	6,257.00	191.90	125.41	-90.00	3,555.45	2,771.33	6,923.02	6,727.71	195.31	35.446		
17,300.00	6,227.00	6,257.00	6,257.00	193.57	125.41	-90.00	3,555.45	2,771.33	7,022.11	6,826.70	195.41	35.936		
17,348.07	6,227.00	6,257.00	6,257.00	194.37	125.41	-90.00	3,555.45	2,771.33	7,069.75	6,874.30	195.45	36.171		



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	10.27	4,752.43	860.95	4,829.78				
100.00	100.00	112.50	112.50	0.27	0.20	10.27	4,752.40	860.87	4,829.74	4,829.28	0.47	N/A	
200.00	200.00	215.70	215.70	0.63	0.38	10.26	4,752.33	860.64	4,829.64	4,828.63	1.01	4,796.491	
300.00	299.98	318.88	318.88	0.98	0.56	-73.98	4,752.22	860.28	4,828.98	4,827.44	1.54	3,133.184	
400.00	399.84	421.90	421.90	1.34	0.74	-74.08	4,752.06	859.78	4,827.30	4,825.22	2.08	2,321.972	
500.00	499.45	524.63	524.63	1.71	0.92	-74.24	4,751.86	859.14	4,824.61	4,821.98	2.63	1,834.482	
600.00	598.70	626.93	626.92	2.10	1.10	-74.46	4,751.61	858.37	4,820.93	4,817.73	3.20	1,507.298	
700.00	697.47	728.65	728.64	2.51	1.28	-74.74	4,751.32	857.46	4,816.29	4,812.50	3.79	1,270.917	
800.00	795.62	829.67	829.65	2.95	1.46	-75.08	4,751.00	856.43	4,810.74	4,806.33	4.41	1,091.045	
900.00	893.06	923.75	923.72	3.44	1.81	-75.46	4,750.74	855.32	4,804.41	4,799.17	5.24	917.466	
1,000.00	989.64	1,038.53	1,038.49	3.96	2.22	-75.97	4,750.22	853.48	4,797.08	4,790.92	6.17	777.768	
1,100.00	1,085.27	1,132.08	1,132.02	4.54	2.56	-76.46	4,749.76	851.55	4,788.98	4,781.91	7.07	677.380	
1,200.00	1,179.82	1,227.07	1,226.98	5.16	2.90	-77.02	4,749.33	849.31	4,780.28	4,772.25	8.03	595.343	
1,300.00	1,273.17	1,317.34	1,317.22	5.85	3.23	-77.61	4,748.92	847.06	4,771.04	4,762.01	9.03	528.405	
1,400.00	1,365.21	1,401.11	1,400.97	6.59	3.53	-78.20	4,748.65	845.09	4,761.50	4,751.44	10.07	472.987	
1,500.00	1,455.84	1,491.41	1,491.24	7.40	3.86	-78.87	4,748.36	843.08	4,751.64	4,740.45	11.19	424.511	
1,600.00	1,544.94	1,570.00	1,569.81	8.28	4.14	-79.51	4,748.23	841.29	4,741.65	4,729.30	12.35	384.037	
1,700.00	1,632.39	1,656.81	1,656.61	9.23	4.45	-80.23	4,748.15	839.45	4,731.59	4,717.99	13.60	347.860	
1,800.00	1,718.11	1,733.72	1,733.50	10.25	4.73	-80.92	4,748.09	838.04	4,721.54	4,706.64	14.90	316.952	
1,900.00	1,801.97	1,801.54	1,801.31	11.35	4.97	-81.58	4,748.19	836.92	4,711.74	4,695.50	16.24	290.212	
2,005.96	1,888.70	1,875.20	1,874.97	12.60	5.24	-82.29	4,748.55	836.00	4,701.84	4,684.09	17.75	264.943	
2,100.00	1,964.66	1,952.73	1,952.49	13.75	5.51	-82.86	4,748.98	834.85	4,693.56	4,674.38	19.18	244.728	
2,200.00	2,045.44	2,045.44	2,045.18	14.99	5.84	-83.54	4,749.36	833.31	4,685.36	4,664.61	20.76	225.740	
2,300.00	2,126.22	2,177.67	2,177.39	16.24	6.32	-84.51	4,748.78	831.16	4,677.18	4,654.70	22.48	208.019	
2,400.00	2,207.00	2,256.80	2,256.51	17.50	6.60	-85.10	4,748.06	829.94	4,669.46	4,645.42	24.04	194.269	
2,500.00	2,287.78	2,325.00	2,324.70	18.77	6.85	-85.60	4,747.58	829.02	4,662.67	4,637.11	25.56	182.441	
2,600.00	2,368.56	2,399.53	2,399.23	20.04	7.11	-86.15	4,747.20	828.18	4,656.79	4,629.68	27.11	171.797	
2,700.00	2,449.34	2,484.65	2,484.35	21.31	7.42	-86.77	4,746.77	827.31	4,651.67	4,622.98	28.70	162.097	
2,800.00	2,530.12	2,564.24	2,563.93	22.59	7.70	-87.36	4,746.28	826.39	4,647.24	4,616.97	30.27	153.520	
2,900.00	2,610.90	2,636.79	2,636.47	23.88	7.96	-87.90	4,745.90	825.63	4,643.66	4,611.84	31.82	145.922	
3,000.00	2,691.68	2,709.00	2,708.67	25.16	8.22	-88.43	4,745.69	824.74	4,641.03	4,607.66	33.37	139.060	
3,100.00	2,772.46	9,889.00	6,381.29	26.45	92.25	-96.02	1,836.98	3,461.72	4,589.95	4,518.62	71.33	64.345	
3,200.00	2,853.23	9,889.00	6,381.29	27.74	92.25	-96.02	1,836.98	3,461.72	4,495.45	4,423.35	72.10	62.349	
3,300.00	2,934.01	9,889.00	6,381.29	29.03	92.25	-96.02	1,836.98	3,461.72	4,401.20	4,328.30	72.90	60.371	
3,400.00	3,014.79	9,909.29	6,381.23	30.32	92.70	-95.75	1,821.05	3,474.28	4,307.04	4,233.13	73.92	58.269	
3,500.00	3,095.57	9,921.00	6,381.17	31.61	92.97	-95.58	1,811.98	3,481.70	4,213.14	4,138.25	74.88	56.261	
3,600.00	3,176.35	9,921.00	6,381.17	32.91	92.97	-95.58	1,811.98	3,481.70	4,119.46	4,043.68	75.79	54.356	
3,700.00	3,257.13	9,940.61	6,381.01	34.20	93.42	-95.28	1,796.99	3,494.34	4,025.95	3,949.06	76.89	52.357	
3,800.00	3,337.91	9,953.00	6,380.89	35.50	93.70	-95.09	1,787.64	3,502.47	3,932.70	3,854.72	77.98	50.434	
3,900.00	3,418.69	9,972.71	6,380.62	36.80	94.16	-94.76	1,772.91	3,515.57	3,839.64	3,760.48	79.16	48.504	
4,000.00	3,499.47	9,985.00	6,380.39	38.09	94.44	-94.55	1,763.81	3,523.82	3,746.77	3,666.44	80.32	46.646	
4,100.00	3,580.25	10,003.63	6,379.98	39.39	94.88	-94.22	1,750.16	3,536.49	3,654.12	3,572.53	81.58	44.790	
4,200.00	3,661.03	10,017.00	6,379.63	40.69	95.19	-93.97	1,740.50	3,545.73	3,561.75	3,478.90	82.84	42.993	
4,300.00	3,741.81	10,017.00	6,379.63	41.99	95.19	-93.97	1,740.50	3,545.73	3,469.74	3,385.69	84.04	41.285	
4,400.00	3,822.58	10,036.99	6,379.11	43.29	95.66	-93.57	1,726.29	3,559.77	3,377.98	3,292.51	85.47	39.524	
4,500.00	3,903.36	10,049.00	6,378.81	44.59	95.95	-93.33	1,717.88	3,568.34	3,286.64	3,199.76	86.88	37.831	
4,600.00	3,984.14	10,049.00	6,378.81	45.89	95.95	-93.33	1,717.88	3,568.34	3,195.74	3,107.49	88.25	36.212	
4,700.00	4,064.92	10,065.11	6,378.47	47.20	96.33	-92.99	1,706.77	3,580.00	3,105.24	3,015.41	89.82	34.571	
4,800.00	4,145.70	10,081.00	6,378.26	48.50	96.71	-92.64	1,695.99	3,591.68	3,015.28	2,923.82	91.46	32.969	
4,900.00	4,226.48	10,081.00	6,378.26	49.80	96.71	-92.64	1,695.99	3,591.68	2,925.80	2,832.76	93.04	31.447	
5,000.00	4,307.26	10,098.02	6,378.16	51.10	97.12	-92.26	1,684.60	3,604.32	2,836.87	2,742.04	94.83	29.914	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,100.00	4,388.04	10,113.00	6,378.19	52.40	97.47	-91.92	1,674.66	3,615.53	2,748.52	2,651.83	96.69	28.425	
5,200.00	4,468.82	10,132.57	6,378.32	53.71	97.94	-91.47	1,661.78	3,630.26	2,660.73	2,562.06	98.67	26.965	
5,300.00	4,549.60	10,161.05	6,378.59	55.01	98.63	-90.78	1,643.19	3,651.84	2,573.47	2,472.66	100.81	25.528	
5,400.00	4,630.38	10,210.42	6,379.05	56.31	99.82	-89.54	1,610.99	3,689.26	2,486.53	2,383.35	103.18	24.100	
5,500.00	4,711.16	10,259.00	6,379.32	57.62	100.99	-88.24	1,579.28	3,726.05	2,399.75	2,294.13	105.62	22.720	
5,600.00	4,791.93	10,303.75	6,379.21	58.92	102.07	-86.96	1,550.06	3,759.95	2,313.09	2,204.95	108.14	21.390	
5,700.00	4,872.71	10,335.00	6,379.16	60.23	102.82	-86.03	1,529.76	3,783.72	2,226.97	2,116.28	110.69	20.118	
5,800.00	4,953.49	10,353.88	6,379.27	61.53	103.28	-85.45	1,517.59	3,798.15	2,141.62	2,028.31	113.31	18.900	
5,900.00	5,034.27	10,403.39	6,379.65	62.83	104.47	-83.86	1,485.75	3,836.06	2,056.96	1,940.75	116.21	17.700	
6,000.00	5,115.05	10,462.51	6,379.55	64.14	105.90	-81.83	1,447.51	3,881.14	1,972.42	1,853.15	119.27	16.537	
6,100.00	5,195.83	10,495.00	6,379.44	65.44	106.69	-80.65	1,426.41	3,905.85	1,888.40	1,766.02	122.38	15.430	
6,200.00	5,276.61	10,519.27	6,379.54	66.75	107.28	-79.74	1,410.77	3,924.41	1,805.46	1,679.81	125.65	14.369	
6,300.00	5,357.39	10,599.05	6,379.58	68.05	109.21	-76.57	1,358.86	3,984.99	1,722.95	1,593.80	129.15	13.341	
6,400.00	5,438.17	10,622.00	6,379.53	69.36	109.76	-75.60	1,343.82	4,002.32	1,641.19	1,508.40	132.79	12.359	
6,500.00	5,518.95	10,646.00	6,379.67	70.66	110.35	-74.57	1,328.26	4,020.59	1,560.99	1,424.33	136.66	11.422	
6,600.00	5,599.73	10,646.00	6,379.67	71.97	110.35	-74.57	1,328.26	4,020.59	1,482.88	1,342.10	140.78	10.534	
6,700.00	5,680.51	10,646.00	6,379.67	73.27	110.35	-74.57	1,328.26	4,020.59	1,407.54	1,262.45	145.09	9.701	
6,800.00	5,761.29	10,646.00	6,379.67	74.58	110.35	-74.57	1,328.26	4,020.59	1,335.44	1,185.88	149.56	8.929	
6,837.84	5,791.85	10,646.00	6,379.67	75.07	110.35	-74.57	1,328.26	4,020.59	1,309.12	1,157.84	151.27	8.654	
6,850.00	5,801.67	10,646.00	6,379.67	75.23	110.35	-72.69	1,328.26	4,020.59	1,300.68	1,148.86	151.82	8.567	
6,900.00	5,841.80	10,646.00	6,379.67	75.88	110.35	-65.05	1,328.26	4,020.59	1,264.74	1,110.76	153.98	8.214	
6,950.00	5,881.33	10,646.00	6,379.67	76.52	110.35	-57.60	1,328.26	4,020.59	1,226.81	1,070.85	155.96	7.866	
7,000.00	5,919.97	10,646.00	6,379.67	77.14	110.35	-50.39	1,328.26	4,020.59	1,187.02	1,029.24	157.77	7.523	
7,050.00	5,957.41	10,646.00	6,379.67	77.74	110.35	-43.37	1,328.26	4,020.59	1,145.48	986.07	159.42	7.185	
7,100.00	5,993.37	10,646.00	6,379.67	78.32	110.35	-36.35	1,328.26	4,020.59	1,102.35	941.46	160.89	6.852	
7,150.00	6,027.59	10,646.00	6,379.67	78.86	110.35	-29.03	1,328.26	4,020.59	1,057.76	895.57	162.19	6.522	
7,200.00	6,059.79	10,646.00	6,379.67	79.36	110.35	-20.87	1,328.26	4,020.59	1,011.89	848.57	163.32	6.196	
7,250.00	6,089.73	10,646.00	6,379.67	79.83	110.35	-11.02	1,328.26	4,020.59	964.93	800.65	164.28	5.874	
7,300.00	6,117.20	10,646.00	6,379.67	80.25	110.35	1.85	1,328.26	4,020.59	917.11	752.03	165.07	5.556	
7,350.00	6,141.96	10,646.00	6,379.67	80.63	110.35	19.43	1,328.26	4,020.59	868.66	702.98	165.68	5.243	
7,400.00	6,163.85	10,646.00	6,379.67	80.98	110.35	41.93	1,328.26	4,020.59	819.88	653.79	166.09	4.936	
7,450.00	6,182.69	10,646.00	6,379.67	81.28	110.35	65.13	1,328.26	4,020.59	771.12	604.84	166.28	4.637	
7,500.00	6,198.33	10,646.00	6,379.67	81.54	110.35	83.58	1,328.26	4,020.59	722.78	556.59	166.19	4.349	
7,550.00	6,210.67	10,646.00	6,379.67	81.77	110.35	96.27	1,328.26	4,020.59	675.37	509.63	165.75	4.075	
7,600.00	6,219.60	10,646.00	6,379.67	81.96	110.35	104.69	1,328.26	4,020.59	629.50	464.68	164.82	3.819	
7,650.00	6,225.05	10,646.00	6,379.67	82.11	110.35	110.30	1,328.26	4,020.59	585.91	422.69	163.22	3.590	
7,702.53	6,227.00	10,646.00	6,379.67	82.24	110.35	114.19	1,328.26	4,020.59	543.60	383.08	160.52	3.387	
7,800.00	6,227.00	10,611.63	6,379.54	82.45	109.51	116.05	1,350.61	3,994.48	471.77	316.81	154.96	3.044	
7,900.00	6,227.00	10,540.75	6,379.69	82.68	107.80	120.93	1,396.95	3,940.85	400.21	250.03	150.18	2.665	
8,000.00	6,227.00	10,478.87	6,379.46	82.93	106.30	126.71	1,436.86	3,893.56	329.73	187.01	142.72	2.310	
8,100.00	6,227.00	10,411.92	6,379.67	83.20	104.68	135.48	1,480.25	3,842.58	263.18	131.32	131.86	1.996	
8,200.00	6,227.00	10,347.18	6,379.22	83.49	103.11	147.41	1,521.90	3,793.02	202.91	90.25	112.65	1.801	
8,300.00	6,227.00	10,285.04	6,379.30	83.80	101.61	162.86	1,562.28	3,745.78	158.40	79.00	79.39	1.995	
8,389.90	6,227.00	10,225.19	6,379.16	84.09	100.17	-179.48	1,601.34	3,700.44	143.16	80.77	62.39	2.295 CC	
8,400.00	6,227.00	10,218.52	6,379.11	84.12	100.01	-177.46	1,605.70	3,695.39	143.37	79.30	64.06	2.238	
8,500.00	6,227.00	10,153.30	6,378.51	84.47	98.44	-158.57	1,648.24	3,645.96	165.70	64.77	100.93	1.642 ES, SF	
8,600.00	6,227.00	10,086.78	6,378.21	84.83	96.85	-143.28	1,692.11	3,595.96	214.02	88.71	125.32	1.708	
8,700.00	6,227.00	10,004.20	6,379.96	85.22	94.89	-131.04	1,749.75	3,536.88	272.77	140.15	132.62	2.057	
8,800.00	6,227.00	9,903.41	6,381.26	85.62	92.57	-122.06	1,825.63	3,470.61	331.22	199.10	132.13	2.507	
8,900.00	6,227.00	9,779.22	6,379.59	86.05	89.86	-115.32	1,927.22	3,399.33	383.52	255.83	127.69	3.004	
9,000.00	6,227.00	9,652.30	6,367.79	86.51	87.26	-109.71	2,036.15	3,335.40	428.80	305.06	123.74	3.465	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	9,527.56	6,348.92	86.98	84.90	-105.01	2,147.47	3,282.48	466.38	345.78	120.60	3.867	
9,200.00	6,227.00	9,436.36	6,341.66	87.49	83.25	-103.03	2,231.25	3,247.32	502.71	382.96	119.75	4.198	
9,300.00	6,227.00	9,356.97	6,340.99	88.01	81.83	-102.18	2,304.88	3,217.68	539.54	420.03	119.51	4.515	
9,400.00	6,227.00	9,284.36	6,340.73	88.56	80.49	-101.46	2,371.15	3,188.00	579.90	460.41	119.49	4.853	
9,500.00	6,227.00	9,209.23	6,340.55	89.14	79.08	-100.78	2,438.89	3,155.52	622.77	503.59	119.17	5.226	
9,600.00	6,227.00	9,140.59	6,340.44	89.75	77.76	-100.19	2,499.90	3,124.06	668.28	549.25	119.03	5.614	
9,700.00	6,227.00	9,076.20	6,340.43	90.38	76.48	-99.68	2,556.16	3,092.76	716.66	597.73	118.93	6.026	
9,800.00	6,227.00	9,012.69	6,340.59	91.04	75.21	-99.21	2,610.60	3,060.06	767.95	649.22	118.73	6.468	
9,900.00	6,227.00	8,944.27	6,340.93	91.73	73.80	-98.75	2,668.42	3,023.46	821.31	703.12	118.19	6.949	
10,000.00	6,227.00	8,893.71	6,341.26	92.44	72.74	-98.43	2,710.40	2,995.30	877.04	758.78	118.26	7.416	
10,100.00	6,227.00	8,838.00	6,341.67	93.19	71.55	-98.09	2,755.19	2,962.19	936.18	818.18	118.00	7.934	
10,200.00	6,227.00	8,806.52	6,341.89	93.96	70.85	-97.90	2,779.76	2,942.52	998.16	879.64	118.52	8.422	
10,300.00	6,227.00	8,767.02	6,342.12	94.76	69.97	-97.66	2,809.79	2,916.86	1,063.09	944.49	118.60	8.964	
10,400.00	6,227.00	8,723.76	6,342.28	95.59	69.00	-97.40	2,841.69	2,887.64	1,130.53	1,012.12	118.41	9.547	
10,500.00	6,227.00	8,671.61	6,342.06	96.45	67.80	-97.07	2,879.41	2,851.63	1,199.52	1,081.72	117.80	10.183	
10,600.00	6,227.00	8,612.98	6,341.12	97.34	66.46	-96.69	2,921.14	2,810.46	1,269.62	1,152.72	116.90	10.860	
10,700.00	6,227.00	8,547.33	6,338.87	98.26	64.95	-96.23	2,967.54	2,764.07	1,340.15	1,224.41	115.75	11.578	
10,800.00	6,227.00	8,477.34	6,335.95	99.20	63.35	-95.75	3,016.87	2,714.51	1,410.86	1,296.40	114.46	12.326	
10,900.00	6,227.00	8,393.07	6,333.09	100.18	61.42	-95.27	3,076.53	2,655.06	1,481.39	1,368.56	112.83	13.129	
11,000.00	6,227.00	8,326.42	6,331.92	101.18	59.91	-94.99	3,124.13	2,608.43	1,551.41	1,439.66	111.75	13.883	
11,100.00	6,227.00	8,264.00	6,331.13	102.20	58.50	-94.76	3,168.24	2,564.26	1,622.20	1,511.42	110.79	14.643	
11,200.00	6,227.00	8,208.04	6,330.70	103.26	57.23	-94.58	3,207.51	2,524.40	1,693.47	1,583.49	109.99	15.397	
11,300.00	6,227.00	8,141.80	6,330.63	104.33	55.73	-94.40	3,254.00	2,477.21	1,764.85	1,655.89	108.96	16.197	
11,400.00	6,227.00	8,080.84	6,330.83	105.44	54.36	-94.26	3,296.61	2,433.63	1,836.51	1,728.45	108.06	16.995	
11,500.00	6,227.00	8,010.03	6,331.12	106.57	52.78	-94.11	3,345.98	2,382.87	1,908.36	1,801.36	106.99	17.836	
11,600.00	6,227.00	7,936.06	6,331.21	107.72	51.13	-93.95	3,397.65	2,329.93	1,980.09	1,874.19	105.90	18.698	
11,700.00	6,227.00	7,867.46	6,331.25	108.89	49.62	-93.82	3,445.67	2,280.95	2,051.67	1,946.73	104.94	19.552	
11,800.00	6,227.00	7,817.74	6,331.71	110.09	48.52	-93.74	3,480.27	2,245.24	2,123.68	2,019.38	104.30	20.361	
11,900.00	6,227.00	7,757.01	6,332.94	111.31	47.19	-93.68	3,522.17	2,201.29	2,196.28	2,092.77	103.51	21.219	
12,000.00	6,227.00	7,677.60	6,334.48	112.54	45.46	-93.60	3,577.12	2,144.00	2,268.67	2,166.21	102.46	22.141	
12,100.00	6,227.00	7,613.59	6,335.46	113.80	44.08	-93.53	3,621.45	2,097.83	2,341.03	2,239.36	101.67	23.025	
12,200.00	6,227.00	7,551.66	6,336.10	115.08	42.76	-93.46	3,664.22	2,053.04	2,413.56	2,312.62	100.93	23.913	
12,300.00	6,227.00	7,490.83	6,336.32	116.37	41.47	-93.38	3,706.09	2,008.91	2,486.30	2,386.08	100.22	24.809	
12,400.00	6,227.00	7,430.15	6,336.44	117.69	40.20	-93.30	3,747.71	1,964.75	2,559.26	2,459.73	99.53	25.714	
12,500.00	6,227.00	7,380.66	6,336.56	119.02	39.17	-93.23	3,781.51	1,928.61	2,632.50	2,533.53	98.97	26.599	
12,600.00	6,227.00	7,340.22	6,336.50	120.36	38.34	-93.18	3,808.84	1,898.81	2,706.39	2,607.88	98.51	27.474	
12,700.00	6,227.00	7,297.19	6,336.25	121.72	37.46	-93.11	3,837.60	1,866.79	2,780.95	2,682.92	98.02	28.370	
12,800.00	6,227.00	7,241.73	6,336.32	123.10	36.34	-93.05	3,874.43	1,825.34	2,855.88	2,758.44	97.44	29.310	
12,900.00	6,227.00	7,171.70	6,337.18	124.49	34.94	-92.99	3,920.85	1,772.90	2,930.98	2,834.22	96.76	30.290	
13,000.00	6,227.00	7,062.92	6,338.55	125.89	32.85	-92.91	3,993.55	1,692.00	3,005.64	2,909.74	95.90	31.341	
13,100.00	6,227.00	6,991.31	6,339.33	127.31	31.52	-92.86	4,042.08	1,639.34	3,079.38	2,984.01	95.37	32.289	
13,200.00	6,227.00	6,949.82	6,338.71	128.74	30.77	-92.80	4,069.96	1,608.63	3,153.59	3,058.58	95.01	33.193	
13,300.00	6,227.00	6,926.00	6,337.90	130.18	30.34	-92.75	4,085.84	1,590.89	3,228.41	3,133.69	94.73	34.082	
13,400.00	6,227.00	6,884.74	6,335.81	131.63	29.61	-92.66	4,112.98	1,559.89	3,303.84	3,209.46	94.38	35.006	
13,500.00	6,227.00	6,831.00	6,331.87	133.09	28.68	-92.50	4,147.51	1,518.90	3,380.28	3,286.29	93.98	35.966	
13,600.00	6,227.00	6,729.88	6,322.29	134.57	27.03	-92.18	4,213.37	1,442.79	3,455.90	3,362.37	93.52	36.952	
13,700.00	6,227.00	6,692.13	6,317.51	136.05	26.44	-92.03	4,237.89	1,414.48	3,531.52	3,438.26	93.26	37.867	
13,800.00	6,227.00	6,633.39	6,307.33	137.54	25.57	-91.75	4,275.48	1,370.54	3,607.48	3,514.49	92.99	38.796	
13,900.00	6,227.00	6,593.18	6,298.34	139.05	25.00	-91.51	4,300.73	1,340.56	3,683.86	3,591.11	92.75	39.719	
14,000.00	6,227.00	6,521.00	6,278.31	140.56	24.05	-91.00	4,345.45	1,287.60	3,760.21	3,667.68	92.53	40.639	
14,100.00	6,227.00	6,490.00	6,267.28	142.07	23.67	-90.73	4,364.07	1,265.41	3,836.88	3,744.56	92.32	41.561	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
14,200.00	6,227.00	6,458.00	6,254.35	143.60	23.29	-90.43	4,382.58	1,242.74	3,914.29	3,822.17	92.12	42.492	
14,300.00	6,227.00	6,437.25	6,245.21	145.14	23.07	-90.21	4,394.22	1,228.19	3,992.31	3,900.39	91.93	43.429	
14,400.00	6,227.00	6,394.00	6,224.04	146.68	22.60	-89.73	4,417.66	1,198.66	4,070.84	3,979.11	91.73	44.377	
14,500.00	6,227.00	6,356.45	6,204.15	148.23	22.23	-89.28	4,437.35	1,173.63	4,149.81	4,058.25	91.56	45.324	
14,600.00	6,227.00	6,291.75	6,168.21	149.78	21.65	-88.50	4,470.75	1,131.47	4,228.89	4,137.46	91.43	46.253	
14,700.00	6,227.00	6,245.03	6,140.65	151.35	21.27	-87.91	4,494.31	1,102.00	4,308.14	4,216.84	91.31	47.183	
14,800.00	6,227.00	6,236.00	6,135.20	152.91	21.20	-87.79	4,498.78	1,096.36	4,388.01	4,296.87	91.14	48.146	
14,900.00	6,227.00	6,216.65	6,123.34	154.49	21.05	-87.54	4,508.16	1,084.29	4,468.50	4,377.50	91.00	49.105	
15,000.00	6,227.00	5,994.99	5,966.85	156.07	19.75	-84.41	4,607.71	964.17	4,547.65	4,456.42	91.23	49.848	
15,100.00	6,227.00	5,981.00	5,955.54	157.65	19.68	-84.19	4,613.18	958.01	4,627.48	4,536.41	91.07	50.815	
15,200.00	6,227.00	5,981.00	5,955.54	159.24	19.68	-84.19	4,613.18	958.01	4,707.99	4,617.09	90.89	51.797	
15,300.00	6,227.00	5,959.83	5,938.07	160.84	19.59	-83.85	4,621.04	949.01	4,789.11	4,698.36	90.75	52.774	
15,400.00	6,227.00	5,950.00	5,929.80	162.44	19.55	-83.69	4,624.52	944.99	4,870.84	4,780.25	90.60	53.764	
15,500.00	6,227.00	5,950.00	5,929.80	164.05	19.55	-83.69	4,624.52	944.99	4,953.23	4,862.78	90.45	54.762	
15,600.00	6,227.00	5,933.98	5,916.15	165.66	19.48	-83.42	4,629.95	938.60	5,036.12	4,945.81	90.31	55.762	
15,700.00	6,227.00	5,918.00	5,902.32	167.27	19.41	-83.16	4,635.02	932.40	5,119.67	5,029.49	90.18	56.771	
15,800.00	6,227.00	5,918.00	5,902.32	168.89	19.41	-83.16	4,635.02	932.40	5,203.68	5,113.62	90.06	57.781	
15,900.00	6,227.00	5,918.00	5,902.32	170.51	19.41	-83.16	4,635.02	932.40	5,288.24	5,198.30	89.94	58.796	
16,000.00	6,227.00	5,901.50	5,887.81	172.14	19.34	-82.88	4,639.93	926.27	5,373.27	5,283.44	89.82	59.820	
16,100.00	6,227.00	5,886.00	5,873.97	173.77	19.28	-82.61	4,644.29	920.81	5,458.76	5,369.05	89.71	60.851	
16,200.00	6,227.00	5,886.00	5,873.97	175.40	19.28	-82.61	4,644.29	920.81	5,544.67	5,455.06	89.61	61.875	
16,300.00	6,227.00	5,870.76	5,860.20	177.04	19.22	-82.35	4,648.34	915.71	5,631.00	5,541.50	89.50	62.915	
16,400.00	6,227.00	5,854.00	5,844.88	178.68	19.16	-82.05	4,652.57	910.37	5,717.75	5,628.36	89.39	63.963	
16,500.00	6,227.00	5,854.00	5,844.88	180.32	19.16	-82.05	4,652.57	910.37	5,804.86	5,715.55	89.31	64.995	
16,600.00	6,227.00	5,854.00	5,844.88	181.96	19.16	-82.05	4,652.57	910.37	5,892.38	5,803.14	89.24	66.031	
16,700.00	6,227.00	5,837.55	5,829.70	183.61	19.10	-81.76	4,656.47	905.41	5,980.22	5,891.08	89.14	67.089	
16,800.00	6,227.00	5,823.00	5,816.14	185.27	19.04	-81.51	4,659.72	901.23	6,068.45	5,979.40	89.05	68.150	
16,900.00	6,227.00	5,823.00	5,816.14	186.92	19.04	-81.51	4,659.72	901.23	6,156.98	6,067.99	88.99	69.191	
17,000.00	6,227.00	5,823.00	5,816.14	188.58	19.04	-81.51	4,659.72	901.23	6,245.85	6,156.92	88.93	70.234	
17,100.00	6,227.00	5,823.00	5,816.14	190.24	19.04	-81.51	4,659.72	901.23	6,335.06	6,246.18	88.88	71.279	
17,200.00	6,227.00	5,806.58	5,800.71	191.90	18.98	-81.21	4,663.14	896.79	6,424.51	6,335.72	88.79	72.354	
17,300.00	6,227.00	5,791.00	5,785.95	193.57	18.92	-80.93	4,666.16	892.82	6,514.31	6,425.60	88.71	73.432	
17,348.07	6,227.00	5,791.00	5,785.95	194.37	18.92	-80.93	4,666.16	892.82	6,557.55	6,468.86	88.69	73.937	

## Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
0.00	0.00	19.00	19.00	0.00	0.03	-1.24	5,089.04	-109.78	5,090.22				
100.00	100.00	119.00	119.00	0.27	0.20	-1.24	5,089.04	-109.78	5,090.22	5,089.75	0.47	N/A	
200.00	200.00	219.00	219.00	0.63	0.38	-1.24	5,089.04	-109.78	5,090.22	5,089.22	1.00	5,070.385	
300.00	299.98	318.98	318.98	0.98	0.55	-85.46	5,089.04	-109.78	5,090.08	5,088.55	1.53	3,330.230	
400.00	399.84	418.84	418.84	1.34	0.72	-85.53	5,089.04	-109.78	5,089.67	5,087.61	2.06	2,475.320	
500.00	499.45	518.45	518.45	1.71	0.89	-85.64	5,089.04	-109.78	5,089.00	5,086.40	2.60	1,959.073	
600.00	598.70	599.69	599.69	2.10	1.05	-85.77	5,089.05	-109.77	5,088.13	5,084.98	3.14	1,619.028	
700.00	697.47	672.14	672.14	2.51	1.31	-85.90	5,089.63	-109.53	5,087.72	5,083.91	3.82	1,333.462	
800.00	795.62	762.93	762.92	2.95	1.63	-86.10	5,090.49	-109.40	5,087.33	5,082.74	4.58	1,109.633	
900.00	893.06	852.97	852.96	3.44	1.95	-86.34	5,091.47	-109.50	5,086.92	5,081.53	5.39	944.060	
1,000.00	989.64	942.12	942.10	3.96	2.27	-86.61	5,092.56	-109.80	5,086.55	5,080.32	6.23	816.249	
1,100.00	1,085.27	1,043.25	1,043.22	4.54	2.63	-86.95	5,093.85	-110.29	5,086.19	5,079.03	7.17	709.809	
1,200.00	1,179.82	1,151.36	1,151.33	5.16	3.02	-87.36	5,094.99	-110.58	5,085.62	5,077.44	8.18	621.922	
1,300.00	1,273.17	1,258.28	1,258.24	5.85	3.40	-87.81	5,095.85	-110.59	5,084.86	5,075.61	9.24	550.180	
1,400.00	1,365.21	1,363.90	1,363.86	6.59	3.77	-88.29	5,096.43	-110.35	5,083.99	5,073.63	10.36	490.546	
1,500.00	1,455.84	1,434.23	1,434.19	7.40	4.02	-88.63	5,096.90	-110.18	5,083.44	5,072.02	11.43	444.913	
1,545.70	1,496.75	1,467.64	1,467.60	7.80	4.14	-88.80	5,097.20	-110.11	5,083.38	5,071.43	11.95	425.512	
1,600.00	1,544.94	1,506.98	1,506.94	8.28	4.28	-89.00	5,097.61	-110.06	5,083.47	5,070.91	12.56	404.607	
1,700.00	1,632.39	1,578.35	1,578.30	9.23	4.54	-89.38	5,098.53	-110.02	5,084.15	5,070.39	13.77	369.279	
1,800.00	1,718.11	1,654.18	1,654.12	10.25	4.81	-89.79	5,099.74	-110.05	5,085.55	5,070.49	15.06	337.685	
1,900.00	1,801.97	1,753.51	1,753.44	11.35	5.16	-90.36	5,101.24	-109.87	5,087.40	5,070.89	16.51	308.128	
2,005.96	1,888.70	1,856.77	1,856.68	12.60	5.53	-90.97	5,102.53	-109.28	5,089.78	5,071.65	18.12	280.844	
2,100.00	1,964.66	2,048.33	2,048.12	13.75	6.21	-92.19	5,103.28	-103.49	5,091.73	5,071.79	19.94	255.299	
2,200.00	2,045.44	2,420.85	2,418.03	14.99	7.54	-94.28	5,095.18	-61.69	5,092.07	5,069.61	22.47	226.654	
2,300.00	2,126.22	2,490.00	2,486.36	16.24	7.80	-94.64	5,091.97	-51.55	5,089.31	5,065.34	23.97	212.349	
2,400.00	2,207.00	2,540.08	2,535.87	17.50	7.99	-94.91	5,089.92	-44.28	5,087.48	5,062.07	25.41	200.210	
2,500.00	2,287.78	2,600.40	2,595.45	18.77	8.23	-95.23	5,087.99	-35.09	5,086.71	5,059.82	26.90	189.125	
2,590.91	2,361.22	2,681.00	2,674.92	19.92	8.54	-95.64	5,085.48	-21.93	5,086.32	5,057.98	28.35	179.431	
2,600.00	2,368.56	2,681.00	2,674.92	20.04	8.54	-95.64	5,085.48	-21.93	5,086.33	5,057.87	28.46	178.703	
2,700.00	2,449.34	2,739.54	2,732.74	21.31	8.77	-95.95	5,083.77	-12.94	5,086.77	5,056.82	29.95	169.850	
2,800.00	2,530.12	2,776.00	2,768.90	22.59	8.91	-96.14	5,082.90	-8.31	5,088.53	5,057.18	31.35	162.303	
2,900.00	2,610.90	2,776.00	2,768.90	23.88	8.91	-96.14	5,082.90	-8.31	5,091.97	5,059.36	32.61	156.126	
3,000.00	2,691.68	2,830.81	2,823.40	25.16	9.12	-96.46	5,082.25	-2.65	5,096.39	5,062.32	34.07	149.577	
3,100.00	2,772.46	2,871.00	2,863.46	26.45	9.27	-96.69	5,082.46	0.57	5,102.68	5,067.21	35.47	143.860	
3,200.00	2,853.23	2,920.70	2,913.07	27.74	9.45	-96.99	5,082.86	3.49	5,110.22	5,073.33	36.89	138.526	
3,300.00	2,934.01	3,030.42	3,022.74	29.03	9.84	-97.68	5,082.42	6.67	5,118.15	5,079.64	38.51	132.892	
3,400.00	3,014.79	3,100.37	3,092.68	30.32	10.08	-98.13	5,081.76	7.91	5,126.51	5,086.53	39.98	128.213	
3,500.00	3,095.57	3,157.00	3,149.31	31.61	10.28	-98.50	5,081.40	8.49	5,135.91	5,094.51	41.40	124.053	
3,600.00	3,176.35	3,224.87	3,217.17	32.91	10.51	-98.94	5,081.13	8.82	5,146.26	5,103.41	42.84	120.118	
3,700.00	3,257.13	3,295.27	3,287.58	34.20	10.74	-99.40	5,080.92	8.89	5,157.41	5,113.12	44.29	116.455	
3,800.00	3,337.91	3,365.29	3,357.59	35.50	10.98	-99.86	5,080.77	8.70	5,169.38	5,123.66	45.72	113.064	
3,900.00	3,418.69	3,442.00	3,434.30	36.80	11.23	-100.36	5,080.68	8.18	5,182.17	5,135.00	47.17	109.863	
4,000.00	3,499.47	3,509.85	3,502.15	38.09	11.46	-100.80	5,080.65	7.54	5,195.74	5,147.16	48.58	106.959	
4,100.00	3,580.25	3,585.27	3,577.57	39.39	11.71	-101.29	5,080.66	6.74	5,210.03	5,160.03	50.00	104.198	
4,200.00	3,661.03	3,660.57	3,652.86	40.69	11.96	-101.78	5,080.72	5.86	5,225.04	5,173.62	51.42	101.624	
4,300.00	3,741.81	3,736.84	3,729.13	41.99	12.21	-102.28	5,080.81	4.88	5,240.76	5,187.94	52.82	99.210	
4,400.00	3,822.58	3,823.03	3,815.31	43.29	12.51	-102.83	5,080.97	3.98	5,257.10	5,202.83	54.27	96.871	
4,500.00	3,903.36	3,909.83	3,902.11	44.59	12.80	-103.39	5,081.18	3.48	5,273.97	5,218.26	55.71	94.674	
4,600.00	3,984.14	3,997.26	3,989.54	45.89	13.11	-103.94	5,081.46	3.41	5,291.34	5,234.20	57.14	92.608	
4,700.00	4,064.92	4,076.28	4,068.56	47.20	13.38	-104.43	5,081.77	3.62	5,309.26	5,250.73	58.53	90.706	
4,800.00	4,145.70	4,106.77	4,106.77	48.50	13.63	-104.93	5,082.11	3.84	5,327.72	5,268.22	59.93	88.800	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,226.48	8,167.79	6,346.49	49.80	60.87	-100.88	5,069.63	2,140.50	5,279.00	5,177.10	101.90	51.805	
5,000.00	4,307.26	8,225.38	6,345.57	51.10	62.33	-100.35	5,071.27	2,198.06	5,243.06	5,138.05	105.02	49.926	
5,100.00	4,388.04	8,255.73	6,345.22	52.40	63.10	-100.07	5,072.16	2,228.39	5,208.31	5,100.79	107.52	48.439	
5,200.00	4,468.82	8,285.92	6,345.10	53.71	63.87	-99.79	5,073.14	2,258.57	5,174.92	5,064.89	110.03	47.032	
5,300.00	4,549.60	8,379.86	6,344.79	55.01	66.27	-98.92	5,076.11	2,352.45	5,142.59	5,028.53	114.05	45.089	
5,400.00	4,630.38	8,480.30	6,343.09	56.31	68.85	-97.98	5,078.66	2,452.84	5,110.60	4,992.34	118.26	43.213	
5,500.00	4,711.16	8,671.99	6,340.67	57.62	73.81	-96.18	5,080.48	2,644.49	5,079.22	4,954.57	124.65	40.748	
5,600.00	4,791.93	8,785.49	6,339.50	58.92	76.77	-95.10	5,078.81	2,757.97	5,047.39	4,918.19	129.20	39.066	
5,700.00	4,872.71	8,826.24	6,338.97	60.23	77.84	-94.72	5,078.16	2,798.71	5,016.71	4,884.65	132.06	37.988	
5,800.00	4,953.49	8,862.14	6,338.55	61.53	78.78	-94.37	5,077.74	2,834.61	4,987.43	4,852.62	134.80	36.998	
5,900.00	5,034.27	8,893.00	6,338.22	62.83	79.58	-94.08	5,077.50	2,865.47	4,959.57	4,822.15	137.42	36.091	
6,000.00	5,115.05	8,930.75	6,338.04	64.14	80.57	-93.72	5,077.33	2,903.21	4,933.18	4,792.99	140.19	35.188	
6,100.00	5,195.83	8,964.69	6,338.22	65.44	81.46	-93.39	5,077.28	2,937.16	4,908.29	4,765.42	142.86	34.357	
6,200.00	5,276.61	9,047.45	6,339.55	66.75	83.64	-92.61	5,076.93	3,019.90	4,884.56	4,737.85	146.71	33.295	
6,300.00	5,357.39	9,123.38	6,340.66	68.05	85.64	-91.88	5,076.25	3,095.82	4,861.72	4,711.34	150.38	32.329	
6,400.00	5,438.17	9,160.12	6,340.73	69.36	86.61	-91.53	5,076.09	3,132.56	4,840.27	4,687.18	153.09	31.617	
6,500.00	5,518.95	9,199.70	6,340.50	70.66	87.65	-91.14	5,076.15	3,172.14	4,820.34	4,664.49	155.85	30.929	
6,600.00	5,599.73	9,243.95	6,340.50	71.97	88.82	-90.71	5,076.32	3,216.38	4,801.89	4,643.19	158.70	30.258	
6,700.00	5,680.51	9,353.52	6,340.84	73.27	91.71	-89.65	5,076.54	3,325.95	4,784.78	4,621.62	163.16	29.326	
6,800.00	5,761.29	9,530.61	6,340.49	74.58	96.41	-87.91	5,073.20	3,503.00	4,767.45	4,598.22	169.23	28.171	
6,837.84	5,791.85	9,573.56	6,341.07	75.07	97.55	-87.49	5,071.74	3,545.93	4,761.00	4,590.07	170.92	27.855	
6,850.00	5,801.67	9,571.54	6,341.03	75.23	97.50	-85.87	5,071.82	3,543.91	4,758.84	4,587.75	171.09	27.815	
6,900.00	5,841.80	9,596.74	6,341.53	75.88	98.17	-79.04	5,070.95	3,569.09	4,747.51	4,574.96	172.54	27.515	
6,950.00	5,881.33	9,621.80	6,342.14	76.52	98.83	-72.65	5,070.10	3,594.12	4,732.31	4,558.34	173.97	27.203	
7,000.00	5,919.97	9,646.50	6,342.88	77.14	99.49	-66.83	5,069.27	3,618.80	4,713.33	4,537.99	175.34	26.881	
7,050.00	5,957.41	9,684.31	6,344.11	77.74	100.50	-61.48	5,067.97	3,656.57	4,690.65	4,513.67	176.98	26.504	
7,100.00	5,993.37	9,727.05	6,345.36	78.32	101.64	-56.68	5,066.39	3,699.26	4,664.33	4,485.64	178.68	26.104	
7,150.00	6,027.59	9,766.78	6,346.37	78.86	102.70	-52.47	5,064.79	3,738.94	4,634.54	4,454.29	180.25	25.712	
7,200.00	6,059.79	9,802.40	6,346.73	79.36	103.65	-48.79	5,063.28	3,774.53	4,601.49	4,419.83	181.66	25.330	
7,250.00	6,089.73	9,833.77	6,346.66	79.83	104.49	-45.58	5,061.89	3,805.87	4,565.43	4,382.52	182.90	24.961	
7,300.00	6,117.20	9,861.01	6,346.28	80.25	105.21	-42.76	5,060.64	3,833.08	4,526.59	4,342.61	183.98	24.603	
7,350.00	6,141.96	9,863.82	6,346.32	80.63	105.29	-40.67	5,060.54	3,835.89	4,485.32	4,300.89	184.43	24.320	
7,400.00	6,163.85	9,873.71	6,346.21	80.98	105.55	-38.68	5,060.11	3,845.77	4,441.85	4,256.87	184.98	24.012	
7,450.00	6,182.69	9,882.06	6,346.14	81.28	105.77	-36.88	5,059.75	3,854.11	4,396.48	4,211.05	185.44	23.709	
7,500.00	6,198.33	9,888.80	6,346.08	81.54	105.95	-35.10	5,059.47	3,860.84	4,349.52	4,163.72	185.79	23.410	
7,550.00	6,210.67	9,893.84	6,346.04	81.77	106.09	-33.07	5,059.26	3,865.88	4,301.27	4,115.22	186.06	23.118	
7,600.00	6,219.60	9,897.13	6,346.01	81.96	106.18	-29.80	5,059.12	3,869.16	4,252.10	4,065.87	186.23	22.833	
7,650.00	6,225.05	9,898.62	6,346.00	82.11	106.22	-18.08	5,059.06	3,870.65	4,202.33	4,016.03	186.30	22.556	
7,702.53	6,227.00	9,898.20	6,346.01	82.24	106.21	122.61	5,059.08	3,870.24	4,149.84	3,963.55	186.29	22.276	
7,800.00	6,227.00	9,895.53	6,346.03	82.45	106.13	123.06	5,059.19	3,867.57	4,052.46	3,866.28	186.17	21.767	
7,900.00	6,227.00	9,892.75	6,346.05	82.68	106.06	123.54	5,059.30	3,864.79	3,952.56	3,766.51	186.06	21.244	
8,000.00	6,227.00	9,889.94	6,346.07	82.93	105.99	124.05	5,059.42	3,861.98	3,852.67	3,666.73	185.93	20.721	
8,100.00	6,227.00	9,887.09	6,346.09	83.20	105.91	124.57	5,059.54	3,859.13	3,752.78	3,566.97	185.81	20.197	
8,200.00	6,227.00	9,884.20	6,346.12	83.49	105.83	125.12	5,059.66	3,856.25	3,652.89	3,467.20	185.69	19.672	
8,300.00	6,227.00	9,881.28	6,346.14	83.80	105.75	125.69	5,059.78	3,853.33	3,553.01	3,367.44	185.56	19.147	
8,400.00	6,227.00	9,878.31	6,346.17	84.12	105.67	126.28	5,059.91	3,850.36	3,453.12	3,267.69	185.43	18.622	
8,500.00	6,227.00	9,875.30	6,346.20	84.47	105.59	126.90	5,060.04	3,847.36	3,353.25	3,167.94	185.30	18.096	
8,600.00	6,227.00	9,872.26	6,346.23	84.83	105.51	127.54	5,060.17	3,844.32	3,253.37	3,068.20	185.17	17.570	
8,700.00	6,227.00	9,869.17	6,346.26	85.22	105.43	128.22	5,060.30	3,841.23	3,153.50	2,968.47	185.04	17.043	
8,800.00	6,227.00	9,866.04	6,346.29	85.62	105.35	128.92	5,060.44	3,838.11	3,053.64	2,868.74	184.90	16.515	
8,900.00	6,227.00	9,862.87	6,346.33	86.05	105.26	129.66	5,060.58	3,834.93	2,953.78	2,769.02	184.76	15.987	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	9,859.65	6,346.36	86.51	105.18	130.43	5,060.72	3,831.72	2,853.92	2,669.30	184.62	15.459	
9,100.00	6,227.00	9,856.38	6,346.40	86.98	105.09	131.23	5,060.87	3,828.46	2,754.07	2,569.60	184.47	14.929	
9,200.00	6,227.00	9,845.00	6,346.54	87.49	104.79	134.26	5,061.38	3,817.09	2,654.24	2,470.02	184.22	14.408	
9,300.00	6,227.00	9,852.12	6,346.44	88.01	104.98	132.32	5,061.06	3,824.20	2,554.39	2,370.18	184.21	13.867	
9,400.00	6,227.00	9,846.96	6,346.51	88.56	104.84	133.71	5,061.29	3,819.04	2,454.56	2,270.53	184.03	13.338	
9,500.00	6,227.00	9,841.86	6,346.58	89.14	104.70	135.15	5,061.53	3,813.95	2,354.74	2,170.88	183.85	12.808	
9,600.00	6,227.00	9,836.83	6,346.63	89.75	104.57	136.64	5,061.75	3,808.93	2,254.92	2,071.24	183.68	12.276	
9,700.00	6,227.00	9,831.86	6,346.67	90.38	104.44	138.18	5,061.98	3,803.97	2,155.12	1,971.61	183.51	11.744	
9,800.00	6,227.00	9,826.97	6,346.71	91.04	104.30	139.78	5,062.20	3,799.07	2,055.32	1,871.99	183.33	11.211	
9,900.00	6,227.00	9,822.13	6,346.73	91.73	104.18	141.43	5,062.41	3,794.24	1,955.53	1,772.37	183.16	10.677	
10,000.00	6,227.00	9,817.35	6,346.74	92.44	104.05	143.13	5,062.63	3,789.47	1,855.75	1,672.77	182.98	10.142	
10,100.00	6,227.00	9,812.64	6,346.75	93.19	103.92	144.88	5,062.83	3,784.76	1,755.99	1,573.19	182.80	9.606	
10,200.00	6,227.00	9,807.99	6,346.74	93.96	103.80	146.69	5,063.04	3,780.11	1,656.25	1,473.62	182.62	9.069	
10,300.00	6,227.00	9,803.39	6,346.73	94.76	103.68	148.55	5,063.24	3,775.52	1,556.52	1,374.08	182.44	8.532	
10,400.00	6,227.00	9,798.85	6,346.71	95.59	103.55	150.46	5,063.43	3,770.99	1,456.82	1,274.58	182.25	7.994	
10,500.00	6,227.00	9,794.37	6,346.68	96.45	103.43	152.41	5,063.63	3,766.51	1,357.16	1,175.11	182.05	7.455	
10,600.00	6,227.00	9,789.95	6,346.64	97.34	103.32	154.42	5,063.82	3,762.09	1,257.53	1,075.69	181.84	6.916	
10,700.00	6,227.00	9,785.58	6,346.60	98.26	103.20	156.47	5,064.00	3,757.73	1,157.95	976.34	181.61	6.376	
10,800.00	6,227.00	9,781.26	6,346.55	99.20	103.08	158.55	5,064.18	3,753.41	1,058.43	877.08	181.36	5.836	
10,900.00	6,227.00	9,777.00	6,346.49	100.18	102.97	160.68	5,064.36	3,749.15	959.00	777.93	181.07	5.296	
11,000.00	6,227.00	9,772.78	6,346.43	101.18	102.86	162.83	5,064.54	3,744.94	859.68	678.95	180.73	4.757	
11,100.00	6,227.00	9,768.62	6,346.36	102.20	102.75	165.01	5,064.71	3,740.78	760.52	580.21	180.31	4.218	
11,200.00	6,227.00	9,764.51	6,346.28	103.26	102.64	167.21	5,064.88	3,736.68	661.59	481.82	179.76	3.680	
11,300.00	6,227.00	9,760.44	6,346.20	104.33	102.53	169.43	5,065.05	3,732.62	563.00	384.02	178.98	3.146	
11,400.00	6,227.00	9,756.43	6,346.11	105.44	102.42	171.65	5,065.22	3,728.61	464.99	287.22	177.77	2.616	
11,500.00	6,227.00	9,752.46	6,346.02	106.57	102.32	173.88	5,065.38	3,724.64	368.01	192.40	175.61	2.096	
11,600.00	6,227.00	9,748.58	6,345.92	107.72	102.21	176.08	5,065.53	3,720.76	273.17	102.11	171.06	1.597	
11,700.00	6,227.00	9,744.82	6,345.83	108.89	102.11	178.23	5,065.69	3,717.01	183.79	25.18	158.61	1.159	Level 2
11,800.00	6,227.00	9,741.11	6,345.73	110.09	102.01	-179.65	5,065.83	3,713.30	113.61	-1.34	114.95	0.988	Level 1
11,854.48	6,227.00	9,739.11	6,345.68	110.75	101.96	-178.50	5,065.91	3,711.31	99.71	15.33	84.39	1.182	Level 2, CC
11,900.00	6,227.00	9,737.46	6,345.64	111.31	101.92	-177.55	5,065.98	3,709.66	109.60	-1.70	111.29	0.985	Level 1, ES, SF
12,000.00	6,227.00	9,733.86	6,345.54	112.54	101.82	-175.49	5,066.12	3,706.07	176.32	17.04	159.28	1.107	Level 2
12,100.00	6,227.00	9,730.32	6,345.45	113.80	101.73	-173.47	5,066.26	3,702.53	264.84	92.82	172.03	1.540	
12,200.00	6,227.00	9,726.84	6,345.35	115.08	101.63	-171.49	5,066.39	3,699.05	359.40	183.17	176.23	2.039	
12,300.00	6,227.00	9,723.40	6,345.26	116.37	101.54	-169.55	5,066.53	3,695.61	456.26	278.27	177.99	2.563	
12,400.00	6,227.00	9,720.01	6,345.16	117.69	101.45	-167.66	5,066.66	3,692.23	554.21	375.37	178.84	3.099	
12,500.00	6,227.00	9,716.67	6,345.07	119.02	101.36	-165.82	5,066.78	3,688.89	652.77	473.48	179.29	3.641	
12,600.00	6,227.00	9,713.38	6,344.98	120.36	101.27	-164.04	5,066.91	3,685.61	751.69	572.16	179.53	4.187	
12,700.00	6,227.00	9,710.14	6,344.88	121.72	101.19	-162.30	5,067.03	3,682.37	850.85	671.19	179.66	4.736	
12,800.00	6,227.00	9,706.94	6,344.79	123.10	101.10	-160.62	5,067.15	3,679.17	950.18	770.45	179.72	5.287	
12,900.00	6,227.00	9,703.79	6,344.70	124.49	101.02	-159.00	5,067.27	3,676.03	1,049.62	869.88	179.75	5.839	
13,000.00	6,227.00	9,700.68	6,344.61	125.89	100.94	-157.42	5,067.38	3,672.92	1,149.15	969.41	179.74	6.393	
13,100.00	6,227.00	9,697.62	6,344.52	127.31	100.85	-155.90	5,067.49	3,669.86	1,248.75	1,069.03	179.72	6.948	
13,200.00	6,227.00	9,694.59	6,344.43	128.74	100.77	-154.44	5,067.60	3,666.84	1,348.40	1,168.71	179.69	7.504	
13,300.00	6,227.00	9,691.61	6,344.34	130.18	100.69	-153.02	5,067.71	3,663.86	1,448.09	1,268.45	179.64	8.061	
13,400.00	6,227.00	9,688.67	6,344.25	131.63	100.62	-151.66	5,067.82	3,660.93	1,547.82	1,368.22	179.60	8.618	
13,500.00	6,227.00	9,685.77	6,344.16	133.09	100.54	-150.34	5,067.92	3,658.03	1,647.57	1,468.03	179.54	9.176	
13,600.00	6,227.00	9,682.91	6,344.07	134.57	100.46	-149.07	5,068.02	3,655.17	1,747.35	1,567.86	179.49	9.735	
13,700.00	6,227.00	9,680.09	6,343.98	136.05	100.39	-147.85	5,068.12	3,652.35	1,847.14	1,667.71	179.43	10.294	
13,800.00	6,227.00	9,677.30	6,343.89	137.54	100.31	-146.68	5,068.22	3,649.57	1,946.95	1,767.58	179.37	10.854	
13,900.00	6,227.00	9,674.55	6,343.80	139.05	100.24	-145.54	5,068.32	3,646.82	2,046.78	1,867.46	179.32	11.414	

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 36-T5N-R63W - EXIST HZ SI 70 RANCH USX BB25-68HN - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 591-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,000.00	6,227.00	9,671.84	6,343.71	140.56	100.17	-144.45	5,068.41	3,644.11	2,146.61	1,967.36	179.26	11.975	
14,100.00	6,227.00	9,669.16	6,343.63	142.07	100.10	-143.40	5,068.50	3,641.43	2,246.46	2,067.26	179.20	12.536	
14,200.00	6,227.00	9,666.52	6,343.54	143.60	100.03	-142.39	5,068.59	3,638.79	2,346.32	2,167.18	179.14	13.098	
14,300.00	6,227.00	9,663.91	6,343.46	145.14	99.96	-141.42	5,068.68	3,636.19	2,446.19	2,267.10	179.08	13.659	
14,400.00	6,227.00	9,655.00	6,343.16	146.68	99.72	-138.28	5,068.98	3,627.29	2,546.07	2,367.41	178.66	14.251	
14,500.00	6,227.00	9,655.00	6,343.16	148.23	99.72	-138.28	5,068.98	3,627.29	2,645.94	2,467.19	178.75	14.802	
14,600.00	6,227.00	9,655.00	6,343.16	149.78	99.72	-138.28	5,068.98	3,627.29	2,745.83	2,566.98	178.84	15.353	
14,700.00	6,227.00	9,653.50	6,343.11	151.35	99.68	-137.77	5,069.03	3,625.80	2,845.72	2,666.87	178.85	15.912	
14,800.00	6,227.00	9,650.43	6,343.00	152.91	99.60	-136.77	5,069.13	3,622.73	2,945.61	2,766.86	178.76	16.478	
14,900.00	6,227.00	9,647.35	6,342.90	154.49	99.51	-135.79	5,069.24	3,619.65	3,045.51	2,866.84	178.67	17.045	
15,000.00	6,227.00	9,644.26	6,342.81	156.07	99.43	-134.83	5,069.34	3,616.56	3,145.42	2,966.84	178.58	17.613	
15,100.00	6,227.00	9,641.16	6,342.71	157.65	99.35	-133.91	5,069.44	3,613.47	3,245.32	3,066.83	178.49	18.182	
15,200.00	6,227.00	9,638.05	6,342.61	159.24	99.27	-133.01	5,069.55	3,610.36	3,345.23	3,166.83	178.40	18.751	
15,300.00	6,227.00	9,634.92	6,342.52	160.84	99.18	-132.13	5,069.65	3,607.24	3,445.14	3,266.83	178.31	19.321	
15,400.00	6,227.00	9,631.79	6,342.43	162.44	99.10	-131.28	5,069.76	3,604.11	3,545.06	3,366.83	178.22	19.891	
15,500.00	6,227.00	9,628.65	6,342.34	164.05	99.02	-130.46	5,069.87	3,600.96	3,644.97	3,466.84	178.13	20.462	
15,600.00	6,227.00	9,625.49	6,342.25	165.66	98.93	-129.65	5,069.97	3,597.81	3,744.89	3,566.85	178.04	21.034	
15,700.00	6,227.00	9,622.32	6,342.16	167.27	98.85	-128.87	5,070.08	3,594.65	3,844.81	3,666.86	177.95	21.606	
15,800.00	6,227.00	9,619.15	6,342.07	168.89	98.76	-128.12	5,070.19	3,591.47	3,944.73	3,766.87	177.86	22.179	
15,900.00	6,227.00	9,615.96	6,341.99	170.51	98.68	-127.38	5,070.30	3,588.29	4,044.66	3,866.88	177.77	22.752	
16,000.00	6,227.00	9,612.76	6,341.91	172.14	98.59	-126.66	5,070.40	3,585.09	4,144.58	3,966.90	177.68	23.326	
16,100.00	6,227.00	9,609.55	6,341.83	173.77	98.51	-125.97	5,070.51	3,581.88	4,244.51	4,066.92	177.59	23.901	
16,200.00	6,227.00	9,606.33	6,341.75	175.40	98.42	-125.29	5,070.62	3,578.66	4,344.43	4,166.94	177.50	24.476	
16,300.00	6,227.00	9,603.09	6,341.67	177.04	98.34	-124.64	5,070.73	3,575.43	4,444.36	4,266.95	177.41	25.052	
16,400.00	6,227.00	9,599.85	6,341.60	178.68	98.25	-124.00	5,070.84	3,572.19	4,544.29	4,366.98	177.31	25.629	
16,500.00	6,227.00	9,596.59	6,341.52	180.32	98.16	-123.38	5,070.96	3,568.94	4,644.22	4,467.00	177.22	26.206	
16,600.00	6,227.00	9,593.33	6,341.45	181.96	98.08	-122.77	5,071.07	3,565.67	4,744.15	4,567.02	177.13	26.784	
16,700.00	6,227.00	9,590.05	6,341.38	183.61	97.99	-122.19	5,071.18	3,562.40	4,844.08	4,667.04	177.04	27.362	
16,800.00	6,227.00	9,586.76	6,341.32	185.27	97.90	-121.62	5,071.29	3,559.11	4,944.01	4,767.07	176.94	27.941	
16,900.00	6,227.00	9,583.45	6,341.25	186.92	97.81	-121.06	5,071.41	3,555.81	5,043.94	4,867.09	176.85	28.521	
17,000.00	6,227.00	9,580.14	6,341.19	188.58	97.73	-120.53	5,071.52	3,552.50	5,143.88	4,967.12	176.76	29.101	
17,100.00	6,227.00	9,576.82	6,341.13	190.24	97.64	-120.00	5,071.64	3,549.18	5,243.81	5,067.15	176.67	29.682	
17,200.00	6,227.00	9,573.48	6,341.07	191.90	97.55	-119.49	5,071.75	3,545.85	5,343.75	5,167.17	176.57	30.264	
17,300.00	6,227.00	9,570.13	6,341.01	193.57	97.46	-119.00	5,071.87	3,542.50	5,443.68	5,267.20	176.48	30.846	
17,348.07	6,227.00	9,568.52	6,340.98	194.37	97.42	-118.76	5,071.93	3,540.89	5,491.72	5,315.28	176.43	31.126	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	-1.50	5,059.89	-132.07	5,061.61				
100.00	100.00	119.00	119.00	0.27	0.20	-1.50	5,059.89	-132.07	5,061.61	5,061.14	0.47	N/A	
200.00	200.00	219.00	219.00	0.63	0.38	-1.50	5,059.89	-132.07	5,061.61	5,060.61	1.00	5,042.990	
300.00	299.98	318.98	318.98	0.98	0.55	-85.72	5,059.89	-132.07	5,061.48	5,059.96	1.53	3,312.214	
400.00	399.84	418.84	418.84	1.34	0.72	-85.79	5,059.89	-132.07	5,061.10	5,059.04	2.06	2,461.935	
500.00	499.45	518.45	518.45	1.71	0.89	-85.90	5,059.89	-132.07	5,060.46	5,057.86	2.60	1,948.488	
600.00	598.70	594.17	594.17	2.10	1.04	-86.02	5,059.92	-132.05	5,059.68	5,056.54	3.14	1,612.791	
700.00	697.47	662.28	662.27	2.51	1.29	-86.14	5,060.63	-131.67	5,059.55	5,055.76	3.79	1,333.330	
800.00	795.62	765.74	765.73	2.95	1.65	-86.36	5,061.71	-131.03	5,059.32	5,054.71	4.61	1,097.578	
900.00	893.06	868.48	868.46	3.44	2.02	-86.62	5,062.67	-130.39	5,058.84	5,053.38	5.46	926.716	
1,000.00	989.64	959.75	959.72	3.96	2.35	-86.89	5,063.52	-129.82	5,058.26	5,051.95	6.31	801.521	
1,100.00	1,085.27	1,047.94	1,047.91	4.54	2.66	-87.19	5,064.46	-129.30	5,057.77	5,050.57	7.20	702.469	
1,200.00	1,179.82	1,135.14	1,135.10	5.16	2.98	-87.51	5,065.53	-128.83	5,057.43	5,049.29	8.14	621.413	
1,300.00	1,273.17	1,227.08	1,227.03	5.85	3.31	-87.88	5,066.75	-128.31	5,057.27	5,048.12	9.15	552.606	
1,372.88	1,340.39	1,295.29	1,295.24	6.39	3.55	-88.17	5,067.66	-127.78	5,057.23	5,047.29	9.94	508.818	
1,400.00	1,365.21	1,320.52	1,320.46	6.59	3.64	-88.29	5,068.00	-127.56	5,057.24	5,047.00	10.23	494.272	
1,500.00	1,455.84	1,412.76	1,412.68	7.40	3.97	-88.71	5,069.22	-126.59	5,057.39	5,046.02	11.37	444.707	
1,600.00	1,544.94	1,517.76	1,517.67	8.28	4.34	-89.24	5,070.50	-125.46	5,057.73	5,045.11	12.62	400.813	
1,700.00	1,632.39	1,628.06	1,627.97	9.23	4.72	-89.83	5,071.29	-125.09	5,058.06	5,044.11	13.95	362.588	
1,800.00	1,718.11	1,735.11	1,735.02	10.25	5.09	-90.45	5,071.51	-125.58	5,058.50	5,043.16	15.34	329.709	
1,900.00	1,801.97	1,813.18	1,813.09	11.35	5.36	-90.92	5,071.54	-126.09	5,059.41	5,042.70	16.71	302.771	
2,005.96	1,888.70	1,895.72	1,895.62	12.60	5.65	-91.42	5,071.67	-126.42	5,061.19	5,042.95	18.24	277.455	
2,100.00	1,964.66	1,968.27	1,968.17	13.75	5.90	-91.91	5,071.85	-126.53	5,063.50	5,043.86	19.64	257.800	
2,200.00	2,045.44	10,231.01	6,354.51	14.99	100.47	-118.46	1,761.41	2,633.71	5,016.41	4,951.63	64.78	77.438	
2,300.00	2,126.22	10,264.95	6,354.10	16.24	101.26	-118.42	1,736.12	2,656.34	4,922.26	4,856.66	65.60	75.035	
2,400.00	2,207.00	10,298.87	6,353.63	17.50	102.05	-118.36	1,710.90	2,679.01	4,828.11	4,761.68	66.43	72.678	
2,500.00	2,287.78	10,409.08	6,351.37	18.77	104.61	-118.18	1,628.87	2,752.58	4,733.87	4,665.73	68.14	69.468	
2,600.00	2,368.56	10,407.62	6,351.35	20.04	104.57	-118.18	1,629.93	2,751.57	4,639.23	4,570.65	68.58	67.646	
2,700.00	2,449.34	10,449.92	6,350.30	21.31	105.56	-118.11	1,598.28	2,779.62	4,544.62	4,475.10	69.52	65.375	
2,800.00	2,530.12	10,466.66	6,349.98	22.59	105.95	-118.08	1,585.74	2,790.70	4,450.16	4,379.98	70.18	63.408	
2,900.00	2,610.90	10,483.76	6,349.73	23.88	106.34	-118.05	1,572.92	2,802.01	4,355.82	4,284.96	70.87	61.463	
3,000.00	2,691.68	10,513.00	6,349.47	25.16	107.02	-118.01	1,550.99	2,821.35	4,261.64	4,189.95	71.69	59.448	
3,100.00	2,772.46	10,532.66	6,349.38	26.45	107.48	-117.98	1,536.21	2,834.32	4,167.51	4,095.08	72.42	57.546	
3,200.00	2,853.23	10,589.79	6,349.11	27.74	108.80	-117.91	1,492.98	2,871.68	4,073.28	3,999.78	73.49	55.423	
3,300.00	2,934.01	10,625.69	6,349.00	29.03	109.63	-117.88	1,465.59	2,894.87	3,978.91	3,904.55	74.37	53.503	
3,400.00	3,014.79	10,652.13	6,349.12	30.32	110.23	-117.87	1,445.24	2,911.75	3,884.60	3,809.43	75.16	51.683	
3,500.00	3,095.57	10,748.51	6,350.22	31.61	112.43	-117.94	1,369.68	2,971.55	3,790.16	3,713.77	76.39	49.619	
3,600.00	3,176.35	10,851.08	6,350.05	32.91	114.75	-118.07	1,288.21	3,033.87	3,694.97	3,617.42	77.54	47.650	
3,700.00	3,257.13	10,879.47	6,349.80	34.20	115.39	-118.11	1,265.57	3,051.00	3,599.55	3,521.28	78.27	45.986	
3,800.00	3,337.91	10,893.00	6,349.68	35.50	115.70	-118.13	1,254.79	3,059.16	3,504.19	3,425.24	78.95	44.387	
3,900.00	3,418.69	10,893.00	6,349.68	36.80	115.70	-118.13	1,254.79	3,059.16	3,409.05	3,329.47	79.59	42.834	
4,000.00	3,499.47	10,926.42	6,349.64	38.09	116.45	-118.19	1,228.14	3,079.34	3,313.83	3,233.47	80.36	41.236	
4,100.00	3,580.25	10,940.41	6,349.77	39.39	116.77	-118.22	1,216.99	3,087.79	3,218.90	3,137.81	81.09	39.698	
4,200.00	3,661.03	10,954.87	6,350.00	40.69	117.10	-118.26	1,205.47	3,096.51	3,124.14	3,042.31	81.83	38.179	
4,300.00	3,741.81	10,989.00	6,350.89	41.99	117.87	-118.35	1,178.28	3,117.13	3,029.70	2,947.09	82.61	36.676	
4,400.00	3,822.58	10,989.00	6,350.89	43.29	117.87	-118.35	1,178.28	3,117.13	2,935.19	2,851.81	83.38	35.203	
4,500.00	3,903.36	11,025.43	6,352.05	44.59	118.69	-118.47	1,149.26	3,139.12	2,840.89	2,756.72	84.17	33.753	
4,600.00	3,984.14	11,072.14	6,353.31	45.89	119.75	-118.62	1,112.03	3,167.30	2,746.44	2,661.51	84.93	32.338	
4,700.00	4,064.92	11,117.54	6,354.28	47.20	120.78	-118.78	1,075.83	3,194.68	2,651.83	2,566.16	85.67	30.954	
4,800.00	4,145.70	11,161.70	6,355.00	48.50	121.77	-118.94	1,040.59	3,221.28	2,557.07	2,470.69	86.38	29.601	
4,900.00	4,226.48	11,187.68	6,355.45	49.80	122.36	-119.05	1,019.86	3,236.94	2,462.33	2,375.18	87.16	28.252	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,000.00	4,307.26	11,197.00	6,355.60	51.10	122.57	-119.09	1,012.43	3,242.56	2,367.68	2,279.65	88.03	26.896	
5,100.00	4,388.04	11,197.00	6,355.60	52.40	122.57	-119.09	1,012.43	3,242.56	2,273.47	2,184.46	89.02	25.540	
5,200.00	4,468.82	11,197.00	6,355.60	53.71	122.57	-119.09	1,012.43	3,242.56	2,179.78	2,089.71	90.07	24.201	
5,300.00	4,549.60	11,197.00	6,355.60	55.01	122.57	-119.09	1,012.43	3,242.56	2,086.67	1,995.47	91.20	22.881	
5,400.00	4,630.38	11,197.00	6,355.60	56.31	122.57	-119.09	1,012.43	3,242.56	1,994.23	1,901.83	92.40	21.582	
5,500.00	4,711.16	11,197.00	6,355.60	57.62	122.57	-119.09	1,012.43	3,242.56	1,902.55	1,808.86	93.69	20.306	
5,600.00	4,791.93	11,197.00	6,355.60	58.92	122.57	-119.09	1,012.43	3,242.56	1,811.75	1,716.68	95.08	19.056	
5,700.00	4,872.71	11,197.00	6,355.60	60.23	122.57	-119.09	1,012.43	3,242.56	1,721.98	1,625.42	96.55	17.834	
5,800.00	4,953.49	11,197.00	6,355.60	61.53	122.57	-119.09	1,012.43	3,242.56	1,633.39	1,535.25	98.14	16.644	
5,900.00	5,034.27	11,197.00	6,355.60	62.83	122.57	-119.09	1,012.43	3,242.56	1,546.19	1,446.37	99.82	15.490	
6,000.00	5,115.05	11,197.00	6,355.60	64.14	122.57	-119.09	1,012.43	3,242.56	1,460.64	1,359.03	101.60	14.376	
6,100.00	5,195.83	11,197.00	6,355.60	65.44	122.57	-119.09	1,012.43	3,242.56	1,377.03	1,273.55	103.48	13.307	
6,200.00	5,276.61	11,197.00	6,355.60	66.75	122.57	-119.09	1,012.43	3,242.56	1,295.75	1,190.32	105.43	12.290	
6,300.00	5,357.39	11,197.00	6,355.60	68.05	122.57	-119.09	1,012.43	3,242.56	1,217.26	1,109.83	107.43	11.331	
6,400.00	5,438.17	11,197.00	6,355.60	69.36	122.57	-119.09	1,012.43	3,242.56	1,142.13	1,032.73	109.41	10.439	
6,500.00	5,518.95	11,197.00	6,355.60	70.66	122.57	-119.09	1,012.43	3,242.56	1,071.09	959.80	111.29	9.625	
6,600.00	5,599.73	11,197.00	6,355.60	71.97	122.57	-119.09	1,012.43	3,242.56	1,004.98	892.04	112.93	8.899	
6,700.00	5,680.51	11,197.00	6,355.60	73.27	122.57	-119.09	1,012.43	3,242.56	944.84	830.67	114.17	8.276	
6,800.00	5,761.29	11,197.00	6,355.60	74.58	122.57	-119.09	1,012.43	3,242.56	891.90	777.14	114.76	7.772	
6,837.84	5,791.85	11,197.00	6,355.60	75.07	122.57	-119.09	1,012.43	3,242.56	874.02	759.26	114.76	7.616	
6,850.00	5,801.67	11,197.00	6,355.60	75.23	122.57	-117.78	1,012.43	3,242.56	868.44	753.72	114.72	7.570	
6,900.00	5,841.80	11,197.00	6,355.60	75.88	122.57	-112.68	1,012.43	3,242.56	844.97	730.75	114.23	7.397	
6,950.00	5,881.33	11,197.00	6,355.60	76.52	122.57	-108.15	1,012.43	3,242.56	820.68	707.49	113.19	7.251	
7,000.00	5,919.97	11,197.00	6,355.60	77.14	122.57	-104.30	1,012.43	3,242.56	795.68	684.09	111.59	7.130	
7,050.00	5,957.41	11,197.00	6,355.60	77.74	122.57	-101.21	1,012.43	3,242.56	770.11	660.66	109.44	7.037	
7,100.00	5,993.37	11,197.00	6,355.60	78.32	122.57	-98.87	1,012.43	3,242.56	744.10	637.32	106.78	6.968	
7,150.00	6,027.59	11,197.00	6,355.60	78.86	122.57	-97.25	1,012.43	3,242.56	717.83	614.13	103.70	6.922	
7,200.00	6,059.79	11,197.00	6,355.60	79.36	122.57	-96.26	1,012.43	3,242.56	691.47	591.08	100.39	6.888	
7,250.00	6,089.73	11,197.00	6,355.60	79.83	122.57	-95.83	1,012.43	3,242.56	665.22	568.01	97.22	6.843	
7,300.00	6,117.20	11,197.00	6,355.60	80.25	122.57	-95.88	1,012.43	3,242.56	639.32	544.56	94.76	6.747	
7,350.00	6,141.96	11,197.00	6,355.60	80.63	122.57	-96.30	1,012.43	3,242.56	614.01	520.27	93.74	6.550	
7,400.00	6,163.85	11,197.00	6,355.60	80.98	122.57	-97.03	1,012.43	3,242.56	589.58	494.95	94.63	6.230	
7,450.00	6,182.69	11,197.00	6,355.60	81.28	122.57	-97.97	1,012.43	3,242.56	566.33	469.01	97.33	5.819	
7,500.00	6,198.33	11,197.00	6,355.60	81.54	122.57	-99.04	1,012.43	3,242.56	544.61	443.27	101.34	5.374	
7,550.00	6,210.67	11,197.00	6,355.60	81.77	122.57	-100.18	1,012.43	3,242.56	524.78	418.64	106.15	4.944	
7,600.00	6,219.60	11,197.00	6,355.60	81.96	122.57	-101.33	1,012.43	3,242.56	507.22	395.89	111.33	4.556	
7,650.00	6,225.05	11,197.00	6,355.60	82.11	122.57	-102.42	1,012.43	3,242.56	492.32	375.71	116.61	4.222	
7,702.53	6,227.00	11,197.00	6,355.60	82.24	122.57	-103.48	1,012.43	3,242.56	479.93	357.86	122.07	3.932	
7,799.37	6,227.00	11,197.00	6,355.60	82.45	122.57	-103.48	1,012.43	3,242.56	470.05	338.02	132.04	3.560 CC	
7,800.00	6,227.00	11,197.00	6,355.60	82.45	122.57	-103.48	1,012.43	3,242.56	470.05	337.95	132.10	3.558	
7,900.00	6,227.00	11,197.00	6,355.60	82.68	122.57	-103.48	1,012.43	3,242.56	480.70	337.84	142.86	3.365 ES	
8,000.00	6,227.00	11,197.00	6,355.60	82.93	122.57	-103.48	1,012.43	3,242.56	511.08	357.30	153.78	3.323 SF	
8,100.00	6,227.00	11,197.00	6,355.60	83.20	122.57	-103.48	1,012.43	3,242.56	557.96	394.98	162.98	3.423	
8,200.00	6,227.00	11,153.13	6,354.89	83.49	121.58	-102.69	1,047.43	3,216.12	616.06	450.81	165.24	3.728	
8,300.00	6,227.00	11,073.28	6,353.33	83.80	119.77	-101.41	1,111.12	3,167.99	675.51	512.12	163.39	4.134	
8,400.00	6,227.00	10,993.52	6,351.05	84.12	117.97	-100.26	1,174.68	3,119.86	735.13	573.61	161.52	4.551	
8,500.00	6,227.00	10,916.95	6,349.60	84.47	116.24	-99.39	1,235.69	3,073.62	795.03	635.16	159.87	4.973	
8,600.00	6,227.00	10,838.13	6,350.17	84.83	114.46	-98.78	1,298.54	3,026.05	855.25	697.22	158.03	5.412	
8,700.00	6,227.00	10,764.50	6,350.68	85.22	112.79	-98.28	1,357.18	2,981.54	915.65	759.08	156.56	5.848	
8,800.00	6,227.00	10,703.00	6,349.92	85.62	111.40	-97.81	1,405.66	2,943.70	977.02	821.19	155.83	6.270	
8,900.00	6,227.00	10,642.86	6,349.06	86.05	110.02	-97.38	1,452.39	2,905.85	1,039.82	884.77	155.06	6.706	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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
9,000.00	6,227.00	10,585.40	6,349.13	86.51	108.70	-97.06	1,496.32	2,868.82	1,104.24	949.91	154.33	7.155	
9,100.00	6,227.00	10,524.11	6,349.42	86.98	107.28	-96.76	1,542.64	2,828.69	1,169.75	1,016.45	153.30	7.631	
9,200.00	6,227.00	10,454.84	6,350.20	87.49	105.67	-96.47	1,594.60	2,782.88	1,235.97	1,084.14	151.82	8.141	
9,300.00	6,227.00	10,386.25	6,351.98	88.01	104.08	-96.27	1,645.92	2,737.42	1,302.46	1,152.07	150.39	8.661	
9,400.00	6,227.00	10,320.74	6,353.30	88.56	102.56	-96.07	1,694.66	2,693.67	1,369.43	1,220.33	149.09	9.185	
9,500.00	6,227.00	10,238.16	6,354.43	89.14	100.64	-95.82	1,756.08	2,638.47	1,436.42	1,289.34	147.08	9.766	
9,600.00	6,227.00	10,156.81	6,355.36	89.75	98.75	-95.59	1,816.86	2,584.42	1,503.01	1,357.82	145.19	10.352	
9,700.00	6,227.00	10,079.98	6,356.14	90.38	96.97	-95.38	1,874.44	2,533.55	1,569.36	1,425.83	143.54	10.934	
9,800.00	6,227.00	10,010.24	6,356.58	91.04	95.36	-95.20	1,926.68	2,487.35	1,635.76	1,493.58	142.18	11.505	
9,900.00	6,227.00	9,959.61	6,356.89	91.73	94.19	-95.07	1,964.47	2,453.66	1,702.58	1,561.09	141.49	12.033	
10,000.00	6,227.00	9,821.39	6,358.39	92.44	91.01	-94.79	2,068.51	2,362.69	1,768.37	1,630.41	137.96	12.818	
10,100.00	6,227.00	9,748.37	6,359.65	93.19	89.34	-94.68	2,124.15	2,315.42	1,833.34	1,696.67	136.67	13.415	
10,200.00	6,227.00	9,661.99	6,361.14	93.96	87.37	-94.56	2,190.08	2,259.63	1,898.16	1,763.13	135.03	14.058	
10,300.00	6,227.00	9,590.57	6,361.50	94.76	85.74	-94.43	2,244.65	2,213.56	1,962.85	1,829.00	133.84	14.665	
10,400.00	6,227.00	9,477.66	6,358.30	95.59	83.18	-94.11	2,331.07	2,140.98	2,027.31	1,895.69	131.62	15.403	
10,500.00	6,227.00	9,370.00	6,353.37	96.45	80.76	-93.77	2,415.15	2,073.93	2,089.46	1,959.78	129.68	16.113	
10,600.00	6,227.00	9,304.19	6,351.99	97.34	79.29	-93.63	2,466.83	2,033.20	2,151.55	2,022.77	128.79	16.706	
10,700.00	6,227.00	9,249.55	6,352.00	98.26	78.07	-93.56	2,509.21	1,998.73	2,214.81	2,086.67	128.14	17.284	
10,800.00	6,227.00	9,180.00	6,351.62	99.20	76.50	-93.45	2,562.88	1,954.49	2,278.59	2,151.41	127.18	17.916	
10,900.00	6,227.00	9,106.40	6,350.07	100.18	74.85	-93.31	2,619.51	1,907.51	2,342.57	2,216.42	126.15	18.570	
11,000.00	6,227.00	8,987.41	6,347.56	101.18	72.19	-93.10	2,711.65	1,832.26	2,406.03	2,281.70	124.33	19.352	
11,100.00	6,227.00	8,910.19	6,348.57	102.20	70.48	-93.06	2,772.00	1,784.12	2,468.65	2,345.29	123.36	20.012	
11,200.00	6,227.00	8,850.38	6,350.03	103.26	69.15	-93.04	2,818.66	1,746.72	2,531.50	2,408.81	122.69	20.633	
11,300.00	6,227.00	8,799.00	6,350.43	104.33	68.01	-93.00	2,858.44	1,714.22	2,595.04	2,472.90	122.14	21.246	
11,400.00	6,227.00	8,737.41	6,350.36	105.44	66.65	-92.94	2,905.82	1,674.85	2,659.18	2,537.75	121.43	21.899	
11,500.00	6,227.00	8,664.52	6,350.12	106.57	65.03	-92.87	2,961.59	1,627.93	2,723.76	2,603.20	120.56	22.593	
11,600.00	6,227.00	8,583.67	6,349.54	107.72	63.24	-92.78	3,023.61	1,576.07	2,788.11	2,668.50	119.61	23.311	
11,700.00	6,227.00	8,513.00	6,349.47	108.89	61.68	-92.72	3,077.67	1,530.55	2,852.72	2,733.91	118.81	24.010	
11,800.00	6,227.00	8,458.21	6,349.67	110.09	60.48	-92.68	3,119.43	1,495.08	2,917.67	2,799.44	118.23	24.678	
11,900.00	6,227.00	8,384.75	6,349.74	111.31	58.86	-92.63	3,175.26	1,447.33	2,982.88	2,865.45	117.43	25.401	
12,000.00	6,227.00	8,283.20	6,348.48	112.54	56.65	-92.52	3,252.65	1,381.60	3,047.85	2,931.50	116.35	26.195	
12,100.00	6,227.00	8,133.87	6,349.64	113.80	53.43	-92.45	3,368.09	1,286.90	3,111.57	2,996.66	114.91	27.078	
12,200.00	6,227.00	8,038.00	6,348.90	115.08	51.40	-92.38	3,443.09	1,227.19	3,174.07	3,060.00	114.07	27.825	
12,300.00	6,227.00	7,974.98	6,347.61	116.37	50.07	-92.31	3,492.39	1,187.95	3,236.54	3,123.01	113.53	28.508	
12,400.00	6,227.00	7,943.00	6,347.14	117.69	49.40	-92.28	3,517.34	1,167.95	3,299.56	3,186.32	113.23	29.139	
12,500.00	6,227.00	7,884.74	6,346.86	119.02	48.18	-92.24	3,562.45	1,131.09	3,363.17	3,250.44	112.74	29.832	
12,600.00	6,227.00	7,848.00	6,347.19	120.36	47.41	-92.23	3,590.58	1,107.46	3,427.77	3,315.37	112.40	30.497	
12,700.00	6,227.00	7,801.33	6,348.06	121.72	46.43	-92.22	3,626.02	1,077.10	3,493.13	3,381.14	111.99	31.192	
12,800.00	6,227.00	7,763.97	6,349.03	123.10	45.65	-92.22	3,654.20	1,052.59	3,559.14	3,447.50	111.64	31.881	
12,900.00	6,227.00	7,661.49	6,350.75	124.49	43.53	-92.20	3,731.23	985.04	3,625.35	3,514.46	110.89	32.694	
13,000.00	6,227.00	7,622.70	6,350.59	125.89	42.73	-92.18	3,760.37	959.43	3,691.61	3,581.07	110.54	33.397	
13,100.00	6,227.00	7,587.48	6,350.67	127.31	42.01	-92.16	3,786.57	935.90	3,758.66	3,648.44	110.21	34.104	
13,200.00	6,227.00	7,562.00	6,350.86	128.74	41.49	-92.15	3,805.38	918.71	3,826.49	3,716.56	109.94	34.807	
13,300.00	6,227.00	7,515.09	6,351.28	130.18	40.54	-92.14	3,839.70	886.74	3,894.98	3,785.43	109.55	35.556	
13,400.00	6,227.00	7,453.96	6,351.64	131.63	39.31	-92.11	3,883.95	844.56	3,964.17	3,855.08	109.09	36.339	
13,500.00	6,227.00	7,266.23	6,352.10	133.09	35.66	-92.03	4,021.53	716.86	4,032.84	3,924.65	108.19	37.274	
13,600.00	6,227.00	7,160.61	6,354.55	134.57	33.70	-92.03	4,100.60	646.87	4,099.36	3,991.58	107.78	38.034	
13,700.00	6,227.00	7,051.48	6,353.66	136.05	31.76	-91.97	4,182.46	574.72	4,165.82	4,058.37	107.45	38.769	
13,800.00	6,227.00	6,750.15	6,350.20	137.54	27.02	-91.79	4,415.28	383.67	4,229.29	4,121.65	107.64	39.291	
13,900.00	6,227.00	6,618.86	6,331.17	139.05	25.26	-91.43	4,518.27	304.75	4,289.89	4,182.01	107.88	39.764	
14,000.00	6,227.00	6,537.00	6,306.88	140.56	24.28	-91.01	4,580.16	257.07	4,350.77	4,242.79	107.98	40.292	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 36-T5N-R63W - EXIST HZ SI 70 RANCH USX BB25-96-1HN - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 583-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	6,227.00	6,489.00	6,288.87	142.07	23.75	-90.71	4,615.32	229.82	4,411.89	4,303.93	107.96	40.865	
14,200.00	6,227.00	6,473.95	6,282.85	143.60	23.59	-90.60	4,626.11	221.22	4,473.90	4,366.09	107.81	41.497	
14,300.00	6,227.00	6,442.00	6,269.58	145.14	23.26	-90.38	4,648.66	202.89	4,536.92	4,429.18	107.73	42.113	
14,400.00	6,227.00	6,394.00	6,247.97	146.68	22.79	-90.03	4,681.73	175.63	4,600.64	4,492.91	107.73	42.705	
14,500.00	6,227.00	6,347.00	6,224.84	148.23	22.37	-89.66	4,713.23	149.53	4,664.84	4,557.11	107.73	43.299	
14,600.00	6,227.00	6,299.00	6,198.41	149.78	21.98	-89.24	4,743.99	123.88	4,729.60	4,621.86	107.74	43.899	
14,700.00	6,227.00	6,279.55	6,186.66	151.35	21.83	-89.06	4,755.81	113.87	4,795.18	4,687.58	107.60	44.564	
14,800.00	6,227.00	6,252.00	6,169.06	152.91	21.62	-88.78	4,771.78	99.93	4,861.79	4,754.30	107.49	45.231	
14,900.00	6,227.00	6,252.00	6,169.06	154.49	21.62	-88.78	4,771.78	99.93	4,929.24	4,821.98	107.27	45.954	
15,000.00	6,227.00	6,229.06	6,153.72	156.07	21.46	-88.54	4,784.45	88.52	4,997.63	4,890.50	107.13	46.649	
15,100.00	6,227.00	6,204.00	6,136.40	157.65	21.29	-88.27	4,797.77	76.24	5,066.90	4,959.90	107.00	47.353	
15,200.00	6,227.00	6,188.81	6,125.63	159.24	21.20	-88.11	4,805.59	68.91	5,136.96	5,030.12	106.84	48.081	
15,300.00	6,227.00	6,157.00	6,102.46	160.84	21.00	-87.75	4,821.41	53.94	5,207.77	5,101.04	106.73	48.795	
15,400.00	6,227.00	6,139.89	6,089.62	162.44	20.90	-87.56	4,829.58	46.13	5,279.28	5,172.72	106.57	49.540	
15,500.00	6,227.00	6,109.00	6,065.64	164.05	20.72	-87.19	4,843.60	32.61	5,351.54	5,245.10	106.44	50.279	
15,600.00	6,227.00	6,092.07	6,052.11	165.66	20.63	-86.99	4,850.90	25.52	5,424.46	5,318.19	106.27	51.046	
15,700.00	6,227.00	6,048.69	6,016.19	167.27	20.40	-86.45	4,868.38	8.67	5,498.01	5,391.87	106.14	51.801	
15,800.00	6,227.00	5,988.99	5,964.82	168.89	20.11	-85.68	4,890.53	-12.10	5,572.02	5,466.02	106.00	52.565	
15,900.00	6,227.00	5,966.00	5,944.34	170.51	20.01	-85.38	4,898.29	-19.10	5,646.51	5,540.70	105.81	53.366	
16,000.00	6,227.00	5,966.00	5,944.34	172.14	20.01	-85.38	4,898.29	-19.10	5,721.74	5,616.13	105.61	54.179	
16,100.00	6,227.00	5,941.70	5,922.39	173.77	19.90	-85.05	4,906.02	-26.08	5,797.55	5,692.14	105.41	54.999	
16,200.00	6,227.00	5,918.00	5,900.71	175.40	19.80	-84.73	4,913.03	-32.62	5,874.16	5,768.95	105.21	55.832	
16,300.00	6,227.00	5,906.62	5,890.12	177.04	19.75	-84.58	4,916.13	-35.40	5,951.30	5,846.29	105.01	56.673	
16,400.00	6,227.00	5,855.90	5,842.75	178.68	19.54	-83.88	4,929.68	-47.34	6,028.98	5,924.21	104.77	57.543	
16,500.00	6,227.00	5,841.44	5,829.05	180.32	19.48	-83.68	4,933.24	-50.31	6,107.15	6,002.58	104.57	58.403	
16,600.00	6,227.00	5,815.13	5,803.93	181.96	19.37	-83.31	4,939.32	-55.24	6,185.89	6,081.55	104.34	59.287	
16,700.00	6,227.00	5,783.13	5,773.22	183.61	19.24	-82.86	4,946.38	-60.78	6,265.15	6,161.05	104.10	60.187	
16,800.00	6,227.00	5,775.00	5,765.36	185.27	19.21	-82.74	4,948.07	-62.00	6,344.88	6,240.97	103.90	61.065	
16,900.00	6,227.00	5,775.00	5,765.36	186.92	19.21	-82.74	4,948.07	-62.00	6,425.17	6,321.43	103.74	61.937	
17,000.00	6,227.00	5,756.02	5,746.91	188.58	19.14	-82.47	4,951.74	-64.57	6,505.92	6,402.40	103.52	62.847	
17,100.00	6,227.00	5,750.39	5,741.42	190.24	19.12	-82.39	4,952.74	-65.24	6,587.22	6,483.88	103.34	63.741	
17,200.00	6,227.00	5,745.19	5,736.33	191.90	19.10	-82.32	4,953.63	-65.82	6,669.02	6,565.85	103.17	64.641	
17,300.00	6,227.00	5,727.00	5,718.45	193.57	19.03	-82.06	4,956.46	-67.59	6,751.34	6,648.38	102.95	65.577	
17,348.07	6,227.00	5,727.00	5,718.45	194.37	19.03	-82.06	4,956.46	-67.59	6,791.03	6,688.15	102.88	66.009	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	0.00	0.00	0.00	0.00	0.67	119.85	1.39	120.20					
100.00	100.00	90.45	90.45	0.27	0.15	0.82	120.06	1.72	120.07	119.65	0.42	286.423	CC	
200.00	200.00	189.83	189.82	0.63	0.32	1.34	120.75	2.82	120.79	119.85	0.94	128.148		
300.00	299.98	290.62	290.59	0.98	0.62	-82.97	121.53	4.34	121.39	119.79	1.60	75.782		
400.00	399.84	390.46	390.43	1.34	0.98	-84.99	121.72	5.28	121.03	118.71	2.31	52.281		
500.00	499.45	490.73	490.70	1.71	1.34	-88.80	121.89	5.99	120.69	117.65	3.04	39.667		
527.44	526.73	517.79	517.76	1.81	1.43	-90.13	121.87	6.15	120.62	117.38	3.25	37.165	ES	
600.00	598.70	589.19	589.15	2.10	1.69	-94.22	122.10	6.49	121.17	117.38	3.78	32.035		
700.00	697.47	687.33	687.28	2.51	2.04	-100.64	123.05	7.73	123.88	119.34	4.54	27.267		
800.00	795.62	783.75	783.67	2.95	2.38	-107.65	125.28	9.14	130.33	125.01	5.32	24.509		
900.00	893.06	879.79	879.62	3.44	2.73	-114.77	128.97	10.51	141.45	135.35	6.10	23.176		
1,000.00	989.64	974.98	974.62	3.96	3.07	-121.10	134.57	12.50	157.61	150.71	6.90	22.852	SF	
1,100.00	1,085.27	1,069.99	1,069.24	4.54	3.42	-126.14	142.55	15.93	178.33	170.62	7.71	23.139		
1,200.00	1,179.82	1,163.47	1,162.04	5.16	3.77	-129.97	152.75	20.53	203.21	194.68	8.53	23.827		
1,300.00	1,273.17	1,257.99	1,255.83	5.85	4.13	-133.46	163.67	24.98	231.81	222.43	9.37	24.736		
1,400.00	1,365.21	1,348.75	1,345.86	6.59	4.48	-136.51	174.51	28.62	264.37	254.17	10.20	25.923		
1,500.00	1,455.84	1,436.69	1,433.08	7.40	4.83	-139.18	185.37	31.14	301.27	290.26	11.01	27.362		
1,600.00	1,544.94	1,527.32	1,523.07	8.28	5.18	-141.80	196.07	32.85	341.96	330.12	11.84	28.880		
1,700.00	1,632.39	1,616.87	1,612.18	9.23	5.52	-144.38	204.80	33.99	385.61	372.96	12.65	30.475		
1,800.00	1,718.11	1,706.87	1,701.85	10.25	5.86	-146.80	212.49	34.96	432.39	418.93	13.46	32.114		
1,900.00	1,801.97	1,805.00	1,799.49	11.35	6.24	-148.94	221.40	38.75	480.39	466.04	14.35	33.471		
2,005.96	1,888.70	1,892.04	1,886.03	12.60	6.58	-150.45	229.58	43.11	533.89	518.70	15.19	35.150		
2,100.00	1,964.66	1,963.00	1,956.56	13.75	6.86	-151.96	236.92	45.96	584.07	568.19	15.88	36.769		
2,200.00	2,045.44	2,045.34	2,038.44	14.99	7.18	-153.50	245.13	48.59	638.34	621.67	16.67	38.303		
2,300.00	2,126.22	2,138.76	2,131.35	16.24	7.54	-154.98	254.15	52.33	692.18	674.64	17.53	39.480		
2,400.00	2,207.00	2,224.40	2,216.53	17.50	7.88	-156.14	262.04	56.46	745.49	727.16	18.34	40.654		
2,500.00	2,287.78	2,302.71	2,294.44	18.77	8.18	-157.09	269.08	59.96	799.23	780.15	19.08	41.882		
2,600.00	2,368.56	2,388.46	2,379.72	20.04	8.52	-157.97	277.17	63.71	853.29	833.40	19.89	42.896		
2,700.00	2,449.34	2,477.43	2,468.21	21.31	8.87	-158.78	285.45	67.98	907.11	886.38	20.73	43.763		
2,800.00	2,530.12	2,557.66	2,547.96	22.59	9.19	-159.40	293.24	71.99	960.93	939.43	21.50	44.695		
2,900.00	2,610.90	2,624.88	2,614.74	23.88	9.45	-159.85	300.29	74.81	1,015.62	993.46	22.17	45.819		
3,000.00	2,691.68	2,727.35	2,716.69	25.16	9.85	-160.53	310.04	78.30	1,070.98	1,047.87	23.12	46.326		
3,100.00	2,772.46	2,805.64	2,794.56	26.45	10.16	-161.00	317.12	82.16	1,124.98	1,101.11	23.87	47.133		
3,200.00	2,853.23	2,886.53	2,875.03	27.74	10.48	-161.44	324.61	85.53	1,179.67	1,155.03	24.64	47.874		
3,300.00	2,934.01	2,972.97	2,961.02	29.03	10.81	-161.87	332.64	89.28	1,234.28	1,208.82	25.46	48.475		
3,400.00	3,014.79	3,054.74	3,042.38	30.32	11.13	-162.26	339.95	92.90	1,288.82	1,262.58	26.24	49.114		
3,500.00	3,095.57	3,122.89	3,110.18	31.61	11.40	-162.55	346.22	95.61	1,343.83	1,316.93	26.90	49.950		
3,600.00	3,176.35	3,183.00	3,170.11	32.91	11.63	-162.85	350.74	96.76	1,400.29	1,372.81	27.48	50.962		
3,700.00	3,257.13	3,281.22	3,268.22	34.20	11.98	-163.46	354.99	97.96	1,457.07	1,428.74	28.33	51.426		
3,800.00	3,337.91	3,342.21	3,329.19	35.50	12.19	-163.85	356.57	98.47	1,513.98	1,485.11	28.87	52.445		
3,900.00	3,418.69	3,411.24	3,398.21	36.80	12.42	-164.31	357.67	98.33	1,571.74	1,542.30	29.45	53.374		
4,000.00	3,499.47	3,522.55	3,509.51	38.09	12.77	-165.11	356.77	97.97	1,629.63	1,599.30	30.32	53.740		
4,100.00	3,580.25	3,587.90	3,574.86	39.39	12.98	-165.54	356.33	98.51	1,686.59	1,655.73	30.86	54.650		
4,200.00	3,661.03	3,657.60	3,644.56	40.69	13.20	-165.96	356.22	98.27	1,744.57	1,713.14	31.44	55.496		
4,300.00	3,741.81	3,743.03	3,729.99	41.99	13.48	-166.43	356.30	98.01	1,802.65	1,770.51	32.14	56.085		
4,400.00	3,822.58	3,829.65	3,816.61	43.29	13.77	-166.88	356.46	98.05	1,860.52	1,827.66	32.87	56.610		
4,500.00	3,903.36	3,911.36	3,898.32	44.59	14.04	-167.28	356.40	98.24	1,918.29	1,884.74	33.55	57.178		
4,600.00	3,984.14	3,987.99	3,974.94	45.89	14.28	-167.64	356.20	98.29	1,976.23	1,942.05	34.19	57.805		
4,700.00	4,064.92	4,067.18	4,054.14	47.20	14.54	-167.99	356.10	98.23	2,034.36	1,999.51	34.85	58.378		
4,800.00	4,145.70	4,157.29	4,144.24	48.50	14.84	-168.35	356.33	98.37	2,092.36	2,056.75	35.61	58.758		
4,900.00	4,226.48	4,242.95	4,229.90	49.80	15.13	-168.68	356.52	98.80	2,150.13	2,113.79	36.34	59.162		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,000.00	4,307.26	4,318.55	4,305.50	51.10	15.39	-168.95	356.58	99.15	2,207.97	2,170.97	36.99	59.683	
5,100.00	4,388.04	4,396.32	4,383.27	52.40	15.65	-169.22	356.63	99.35	2,266.00	2,228.34	37.67	60.160	
5,200.00	4,468.82	4,475.93	4,462.88	53.71	15.92	-169.49	356.66	99.47	2,324.16	2,285.80	38.35	60.598	
5,300.00	4,549.60	4,552.10	4,539.06	55.01	16.18	-169.73	356.74	99.52	2,382.42	2,343.41	39.01	61.066	
5,400.00	4,630.38	4,632.24	4,619.19	56.31	16.45	-169.96	357.08	99.43	2,440.87	2,401.16	39.71	61.465	
5,500.00	4,711.16	4,714.23	4,701.18	57.62	16.74	-170.20	357.23	99.41	2,499.27	2,458.84	40.42	61.826	
5,600.00	4,791.93	4,793.45	4,780.40	58.92	17.01	-170.41	357.34	99.36	2,557.71	2,516.60	41.11	62.210	
5,700.00	4,872.71	4,873.59	4,860.54	60.23	17.28	-170.62	357.44	99.26	2,616.23	2,574.42	41.81	62.572	
5,800.00	4,953.49	4,956.35	4,943.30	61.53	17.56	-170.83	357.55	99.20	2,674.74	2,632.21	42.53	62.887	
5,900.00	5,034.27	5,038.65	5,025.59	62.83	17.84	-171.03	357.67	99.18	2,733.22	2,689.97	43.25	63.190	
6,000.00	5,115.05	5,124.55	5,111.50	64.14	18.14	-171.23	357.73	99.28	2,791.62	2,747.61	44.01	63.438	
6,100.00	5,195.83	5,205.97	5,192.92	65.44	18.41	-171.41	357.72	99.45	2,849.95	2,805.23	44.72	63.731	
6,200.00	5,276.61	5,280.47	5,267.42	66.75	18.66	-171.57	357.63	99.52	2,908.38	2,863.01	45.37	64.104	
6,300.00	5,357.39	5,351.86	5,338.81	68.05	18.90	-171.72	357.59	99.41	2,967.05	2,921.05	46.00	64.507	
6,400.00	5,438.17	5,447.40	5,434.35	69.36	19.22	-171.90	358.03	99.22	3,025.78	2,978.95	46.83	64.609	
6,500.00	5,518.95	5,530.97	5,517.91	70.66	19.51	-172.05	358.44	99.46	3,084.12	3,036.55	47.57	64.827	
6,600.00	5,599.73	5,609.45	5,596.40	71.97	19.79	-172.19	358.53	99.64	3,142.52	3,094.25	48.27	65.099	
6,700.00	5,680.51	5,688.21	5,675.15	73.27	20.06	-172.33	358.57	99.75	3,201.00	3,152.02	48.97	65.360	
6,800.00	5,761.29	5,767.21	5,754.15	74.58	20.33	-172.46	358.64	99.82	3,259.54	3,209.86	49.68	65.610	
6,837.84	5,791.85	5,797.13	5,784.07	75.07	20.44	-172.51	358.67	99.83	3,281.70	3,231.75	49.95	65.702	
6,850.00	5,801.67	5,806.74	5,793.69	75.23	20.47	-169.99	358.69	99.84	3,288.82	3,238.79	50.03	65.731	
6,900.00	5,841.80	5,845.93	5,832.87	75.88	20.60	-159.93	358.69	99.84	3,317.94	3,267.56	50.38	65.857	
6,950.00	5,881.33	5,884.42	5,871.36	76.52	20.73	-150.48	358.56	99.84	3,346.66	3,295.94	50.72	65.985	
7,000.00	5,919.97	5,919.32	5,906.26	77.14	20.85	-141.76	358.17	99.82	3,374.82	3,323.80	51.02	66.149	
7,050.00	5,957.41	5,949.58	5,936.48	77.74	20.94	-133.87	356.74	99.76	3,402.30	3,351.03	51.27	66.366	
7,100.00	5,993.37	5,976.95	5,963.76	78.32	21.03	-126.80	354.44	99.66	3,428.98	3,377.50	51.48	66.608	
7,150.00	6,027.59	6,001.72	5,988.35	78.86	21.10	-120.53	351.55	99.55	3,454.75	3,403.09	51.66	66.874	
7,200.00	6,059.79	6,023.76	6,010.17	79.36	21.17	-114.99	348.36	99.43	3,479.49	3,427.68	51.81	67.163	
7,250.00	6,089.73	6,042.23	6,028.37	79.83	21.22	-110.09	345.24	99.31	3,503.10	3,451.18	51.92	67.473	
7,300.00	6,117.20	6,057.20	6,043.07	80.25	21.26	-105.79	342.43	99.21	3,525.48	3,473.48	52.00	67.802	
7,350.00	6,141.96	6,080.00	6,065.36	80.63	21.33	-102.21	337.64	99.05	3,546.56	3,494.44	52.13	68.038	
7,400.00	6,163.85	6,080.00	6,065.36	80.98	21.33	-98.77	337.64	99.05	3,566.18	3,514.09	52.09	68.464	
7,450.00	6,182.69	6,080.00	6,065.36	81.28	21.33	-95.83	337.64	99.05	3,584.30	3,532.25	52.05	68.864	
7,500.00	6,198.33	6,080.00	6,065.36	81.54	21.33	-93.36	337.64	99.05	3,600.81	3,548.80	52.01	69.229	
7,550.00	6,210.67	6,080.00	6,065.36	81.77	21.33	-91.32	337.64	99.05	3,615.61	3,563.62	51.99	69.549	
7,600.00	6,219.60	6,080.00	6,065.36	81.96	21.33	-89.69	337.64	99.05	3,628.60	3,576.63	51.97	69.815	
7,650.00	6,225.05	6,080.00	6,065.36	82.11	21.33	-88.45	337.64	99.05	3,639.72	3,587.73	51.98	70.016	
7,702.53	6,227.00	6,080.00	6,065.36	82.24	21.33	-87.57	337.64	99.05	3,649.29	3,597.27	52.02	70.147	
7,800.00	6,227.00	6,080.00	6,065.36	82.45	21.33	-87.57	337.64	99.05	3,666.29	3,614.11	52.18	70.268	
7,900.00	6,227.00	6,054.96	6,040.88	82.68	21.25	-87.18	342.87	99.23	3,686.15	3,633.95	52.20	70.622	
8,000.00	6,227.00	6,045.98	6,032.06	82.93	21.23	-87.04	344.56	99.29	3,708.61	3,656.18	52.43	70.736	
8,100.00	6,227.00	6,037.92	6,024.13	83.20	21.21	-86.92	346.01	99.34	3,733.57	3,680.82	52.74	70.790	
8,200.00	6,227.00	6,030.65	6,016.97	83.49	21.19	-86.80	347.24	99.38	3,760.98	3,707.86	53.13	70.793	
8,300.00	6,227.00	6,024.06	6,010.46	83.80	21.17	-86.70	348.31	99.42	3,790.81	3,737.24	53.58	70.757	
8,400.00	6,227.00	5,991.00	5,977.72	84.12	21.07	-86.18	352.89	99.60	3,823.25	3,769.43	53.82	71.034	
8,500.00	6,227.00	5,991.00	5,977.72	84.47	21.07	-86.18	352.89	99.60	3,857.66	3,803.23	54.43	70.875	
8,600.00	6,227.00	5,991.00	5,977.72	84.83	21.07	-86.18	352.89	99.60	3,894.32	3,839.25	55.07	70.712	
8,700.00	6,227.00	5,991.00	5,977.72	85.22	21.07	-86.18	352.89	99.60	3,933.19	3,877.44	55.75	70.554	
8,800.00	6,227.00	5,991.00	5,977.72	85.62	21.07	-86.18	352.89	99.60	3,974.20	3,917.75	56.45	70.408	
8,900.00	6,227.00	5,991.00	5,977.72	86.05	21.07	-86.18	352.89	99.60	4,017.27	3,960.11	57.16	70.280	
9,000.00	6,227.00	5,991.00	5,977.72	86.51	21.07	-86.18	352.89	99.60	4,062.35	4,004.46	57.89	70.175	

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,100.00	6,227.00	5,991.00	5,977.72	86.98	21.07	-86.18	352.89	99.60	4,109.37	4,050.75	58.62	70.096	
9,200.00	6,227.00	5,991.00	5,977.72	87.49	21.07	-86.18	352.89	99.60	4,158.27	4,098.90	59.36	70.047	
9,300.00	6,227.00	5,991.00	5,977.72	88.01	21.07	-86.18	352.89	99.60	4,208.97	4,148.87	60.10	70.030	
9,400.00	6,227.00	5,991.00	5,977.72	88.56	21.07	-86.18	352.89	99.60	4,261.42	4,200.58	60.84	70.045	
9,500.00	6,227.00	5,991.00	5,977.72	89.14	21.07	-86.18	352.89	99.60	4,315.54	4,253.98	61.57	70.095	
9,600.00	6,227.00	5,991.00	5,977.72	89.75	21.07	-86.18	352.89	99.60	4,371.29	4,309.00	62.29	70.180	
9,700.00	6,227.00	5,991.00	5,977.72	90.38	21.07	-86.18	352.89	99.60	4,428.59	4,365.59	63.00	70.299	
9,800.00	6,227.00	5,991.00	5,977.72	91.04	21.07	-86.18	352.89	99.60	4,487.39	4,423.69	63.69	70.452	
9,900.00	6,227.00	5,991.00	5,977.72	91.73	21.07	-86.18	352.89	99.60	4,547.62	4,483.25	64.38	70.639	
10,000.00	6,227.00	5,991.00	5,977.72	92.44	21.07	-86.18	352.89	99.60	4,609.24	4,544.20	65.05	70.858	
10,100.00	6,227.00	5,991.00	5,977.72	93.19	21.07	-86.18	352.89	99.60	4,672.19	4,606.49	65.70	71.110	
10,200.00	6,227.00	5,991.00	5,977.72	93.96	21.07	-86.18	352.89	99.60	4,736.41	4,670.07	66.34	71.394	
10,300.00	6,227.00	5,991.00	5,977.72	94.76	21.07	-86.18	352.89	99.60	4,801.86	4,734.89	66.97	71.707	
10,400.00	6,227.00	5,991.00	5,977.72	95.59	21.07	-86.18	352.89	99.60	4,868.48	4,800.91	67.57	72.049	
10,500.00	6,227.00	5,991.00	5,977.72	96.45	21.07	-86.18	352.89	99.60	4,936.23	4,868.07	68.16	72.420	
10,600.00	6,227.00	5,991.00	5,977.72	97.34	21.07	-86.18	352.89	99.60	5,005.06	4,936.32	68.73	72.817	
10,700.00	6,227.00	5,991.00	5,977.72	98.26	21.07	-86.18	352.89	99.60	5,074.92	5,005.63	69.29	73.240	
10,800.00	6,227.00	5,954.36	5,941.25	99.20	20.96	-85.60	356.41	99.74	5,145.02	5,075.46	69.55	73.971	
10,900.00	6,227.00	5,953.15	5,940.04	100.18	20.95	-85.58	356.49	99.75	5,216.77	5,146.70	70.07	74.447	
11,000.00	6,227.00	5,951.99	5,938.89	101.18	20.95	-85.56	356.58	99.75	5,289.45	5,218.87	70.58	74.945	
11,100.00	6,227.00	5,950.87	5,937.78	102.20	20.95	-85.55	356.65	99.75	5,363.00	5,291.93	71.07	75.465	
11,200.00	6,227.00	5,949.80	5,936.71	103.26	20.94	-85.53	356.72	99.76	5,437.39	5,365.85	71.54	76.005	
11,300.00	6,227.00	5,948.78	5,935.69	104.33	20.94	-85.51	356.79	99.76	5,512.59	5,440.59	72.00	76.564	
11,400.00	6,227.00	5,947.79	5,934.70	105.44	20.94	-85.50	356.86	99.76	5,588.57	5,516.13	72.45	77.142	
11,500.00	6,227.00	5,946.84	5,933.75	106.57	20.93	-85.48	356.92	99.76	5,665.30	5,592.42	72.88	77.738	
11,600.00	6,227.00	5,945.93	5,932.84	107.72	20.93	-85.47	356.97	99.77	5,742.74	5,669.44	73.30	78.350	
11,700.00	6,227.00	5,945.05	5,931.96	108.89	20.93	-85.45	357.03	99.77	5,820.86	5,747.16	73.70	78.978	
11,800.00	6,227.00	5,944.20	5,931.11	110.09	20.93	-85.44	357.08	99.77	5,899.65	5,825.55	74.10	79.622	
11,900.00	6,227.00	5,943.38	5,930.29	111.31	20.92	-85.43	357.13	99.77	5,979.07	5,904.59	74.48	80.281	
12,000.00	6,227.00	5,942.58	5,929.50	112.54	20.92	-85.42	357.17	99.78	6,059.10	5,984.25	74.85	80.953	
12,100.00	6,227.00	5,941.82	5,928.74	113.80	20.92	-85.40	357.22	99.78	6,139.71	6,064.50	75.21	81.639	
12,200.00	6,227.00	5,903.00	5,889.94	115.08	20.80	-84.79	358.45	99.83	6,221.78	6,146.47	75.31	82.619	
12,300.00	6,227.00	5,903.00	5,889.94	116.37	20.80	-84.79	358.45	99.83	6,303.46	6,227.81	75.65	83.323	
12,400.00	6,227.00	5,903.00	5,889.94	117.69	20.80	-84.79	358.45	99.83	6,385.67	6,309.68	75.98	84.039	
12,500.00	6,227.00	5,903.00	5,889.94	119.02	20.80	-84.79	358.45	99.83	6,468.38	6,392.07	76.31	84.766	
12,600.00	6,227.00	5,903.00	5,889.94	120.36	20.80	-84.79	358.45	99.83	6,551.57	6,474.94	76.62	85.504	
12,700.00	6,227.00	5,903.00	5,889.94	121.72	20.80	-84.79	358.45	99.83	6,635.22	6,558.29	76.93	86.252	
12,800.00	6,227.00	5,903.00	5,889.94	123.10	20.80	-84.79	358.45	99.83	6,719.32	6,642.10	77.22	87.010	
12,900.00	6,227.00	5,903.00	5,889.94	124.49	20.80	-84.79	358.45	99.83	6,803.85	6,726.34	77.51	87.778	
13,000.00	6,227.00	5,903.00	5,889.94	125.89	20.80	-84.79	358.45	99.83	6,888.80	6,811.01	77.79	88.555	
13,100.00	6,227.00	5,903.00	5,889.94	127.31	20.80	-84.79	358.45	99.83	6,974.14	6,896.08	78.06	89.340	
13,200.00	6,227.00	5,903.00	5,889.94	128.74	20.80	-84.79	358.45	99.83	7,059.87	6,981.55	78.33	90.133	
13,300.00	6,227.00	5,903.00	5,889.94	130.18	20.80	-84.79	358.45	99.83	7,145.97	7,067.39	78.58	90.935	
13,400.00	6,227.00	5,903.00	5,889.94	131.63	20.80	-84.79	358.45	99.83	7,232.43	7,153.60	78.83	91.744	
13,500.00	6,227.00	5,903.00	5,889.94	133.09	20.80	-84.79	358.45	99.83	7,319.23	7,240.16	79.08	92.560	
13,600.00	6,227.00	5,903.00	5,889.94	134.57	20.80	-84.79	358.45	99.83	7,406.37	7,327.06	79.31	93.382	
13,700.00	6,227.00	5,903.00	5,889.94	136.05	20.80	-84.79	358.45	99.83	7,493.83	7,414.28	79.54	94.212	
13,800.00	6,227.00	5,903.00	5,889.94	137.54	20.80	-84.79	358.45	99.83	7,581.59	7,501.83	79.77	95.047	
13,900.00	6,227.00	5,903.00	5,889.94	139.05	20.80	-84.79	358.45	99.83	7,669.66	7,589.68	79.99	95.889	
14,000.00	6,227.00	5,903.00	5,889.94	140.56	20.80	-84.79	358.45	99.83	7,758.02	7,677.82	80.20	96.736	
14,100.00	6,227.00	5,903.00	5,889.94	142.07	20.80	-84.79	358.45	99.83	7,846.65	7,766.25	80.41	97.588	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
14,200.00	6,227.00	5,903.00	5,889.94	143.60	20.80	-84.79	358.45	99.83	7,935.56	7,854.95	80.61	98.446		
14,300.00	6,227.00	5,903.00	5,889.94	145.14	20.80	-84.79	358.45	99.83	8,024.73	7,943.92	80.81	99.309		
14,400.00	6,227.00	5,903.00	5,889.94	146.68	20.80	-84.79	358.45	99.83	8,114.15	8,033.15	81.00	100.177		
14,500.00	6,227.00	5,903.00	5,889.94	148.23	20.80	-84.79	358.45	99.83	8,203.81	8,122.62	81.19	101.049		
14,600.00	6,227.00	5,903.00	5,889.94	149.78	20.80	-84.79	358.45	99.83	8,293.71	8,212.34	81.37	101.925		
14,700.00	6,227.00	5,903.00	5,889.94	151.35	20.80	-84.79	358.45	99.83	8,383.84	8,302.29	81.55	102.806		
14,800.00	6,227.00	5,903.00	5,889.94	152.91	20.80	-84.79	358.45	99.83	8,474.19	8,392.46	81.73	103.690		
14,900.00	6,227.00	5,903.00	5,889.94	154.49	20.80	-84.79	358.45	99.83	8,564.75	8,482.86	81.90	104.578		
15,000.00	6,227.00	5,903.00	5,889.94	156.07	20.80	-84.79	358.45	99.83	8,655.53	8,573.46	82.07	105.470		
15,100.00	6,227.00	5,903.00	5,889.94	157.65	20.80	-84.79	358.45	99.83	8,746.50	8,664.27	82.23	106.365		
15,200.00	6,227.00	5,903.00	5,889.94	159.24	20.80	-84.79	358.45	99.83	8,837.67	8,755.28	82.39	107.264		
15,300.00	6,227.00	5,903.00	5,889.94	160.84	20.80	-84.79	358.45	99.83	8,929.03	8,846.48	82.55	108.166		
15,400.00	6,227.00	5,903.00	5,889.94	162.44	20.80	-84.79	358.45	99.83	9,020.57	8,937.87	82.70	109.070		
15,500.00	6,227.00	5,903.00	5,889.94	164.05	20.80	-84.79	358.45	99.83	9,112.29	9,029.43	82.86	109.978		
15,600.00	6,227.00	5,903.00	5,889.94	165.66	20.80	-84.79	358.45	99.83	9,204.18	9,121.18	83.00	110.888		
15,700.00	6,227.00	5,903.00	5,889.94	167.27	20.80	-84.79	358.45	99.83	9,296.24	9,213.09	83.15	111.801		
15,800.00	6,227.00	5,903.00	5,889.94	168.89	20.80	-84.79	358.45	99.83	9,388.46	9,305.17	83.29	112.717		
15,900.00	6,227.00	5,903.00	5,889.94	170.51	20.80	-84.79	358.45	99.83	9,480.84	9,397.41	83.43	113.634		
16,000.00	6,227.00	5,903.00	5,889.94	172.14	20.80	-84.79	358.45	99.83	9,573.37	9,489.80	83.57	114.554		
16,100.00	6,227.00	5,903.00	5,889.94	173.77	20.80	-84.79	358.45	99.83	9,666.05	9,582.35	83.71	115.476		
16,200.00	6,227.00	5,903.00	5,889.94	175.40	20.80	-84.79	358.45	99.83	9,758.88	9,675.04	83.84	116.400		
16,300.00	6,227.00	5,903.00	5,889.94	177.04	20.80	-84.79	358.45	99.83	9,851.84	9,767.87	83.97	117.326		
16,400.00	6,227.00	5,903.00	5,889.94	178.68	20.80	-84.79	358.45	99.83	9,944.95	9,860.85	84.10	118.254		
16,500.00	6,227.00	5,903.00	5,889.94	180.32	20.80	-84.79	358.45	99.83	10,038.18	9,953.96	84.22	119.184		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	-54.25	87.07	-120.95	149.30				
100.00	100.00	91.16	91.16	0.27	0.16	-54.23	87.09	-120.87	148.98	148.55	0.43	348.877	
200.00	200.00	191.34	191.34	0.63	0.33	-54.15	87.15	-120.61	148.81	147.85	0.96	155.124	
209.19	209.19	200.55	200.55	0.66	0.35	-138.35	87.16	-120.58	148.80	147.79	1.01	147.662 CC, ES	
300.00	299.98	291.51	291.51	0.98	0.51	-138.65	87.27	-120.17	149.82	148.34	1.49	100.855	
400.00	399.84	391.58	391.58	1.34	0.68	-139.71	87.43	-119.55	153.37	151.36	2.01	76.133	
500.00	499.45	491.46	491.45	1.71	0.85	-141.43	87.65	-118.75	159.56	157.01	2.55	62.543	
600.00	598.70	590.90	590.89	2.10	1.14	-143.66	87.91	-117.79	168.59	165.38	3.21	52.496	
700.00	697.47	689.82	689.80	2.51	1.50	-146.21	88.22	-116.81	180.73	176.78	3.94	45.814	
800.00	795.62	788.02	788.00	2.95	1.85	-148.91	88.56	-115.84	196.19	191.51	4.68	41.902	
900.00	893.06	885.42	885.39	3.44	2.20	-151.63	88.87	-115.00	215.20	209.78	5.42	39.692	
1,000.00	989.64	982.57	982.54	3.96	2.55	-154.24	89.19	-114.18	237.75	231.59	6.16	38.570	
1,100.00	1,085.27	1,079.10	1,079.06	4.54	2.89	-156.63	89.56	-113.12	263.65	256.74	6.91	38.166 SF	
1,200.00	1,179.82	1,167.05	1,167.01	5.16	3.20	-158.62	90.08	-112.80	293.83	286.22	7.61	38.621	
1,300.00	1,273.17	1,249.63	1,249.55	5.85	3.48	-160.34	90.85	-115.02	330.35	322.08	8.27	39.954	
1,400.00	1,365.21	1,329.08	1,328.85	6.59	3.74	-161.88	91.59	-119.68	373.10	364.20	8.90	41.914	
1,500.00	1,455.84	1,406.77	1,406.26	7.40	4.01	-163.13	93.04	-126.21	421.49	411.97	9.53	44.251	
1,600.00	1,544.94	1,479.00	1,478.09	8.28	4.26	-164.00	95.33	-133.41	474.60	464.48	10.12	46.911	
1,700.00	1,632.39	1,550.39	1,548.90	9.23	4.51	-164.71	97.96	-142.08	532.50	521.79	10.71	49.727	
1,800.00	1,718.11	1,612.19	1,609.96	10.25	4.74	-165.24	100.07	-151.37	595.45	584.22	11.23	53.021	
1,900.00	1,801.97	1,670.91	1,667.72	11.35	4.97	-165.67	101.94	-161.76	663.08	651.35	11.73	56.525	
2,005.96	1,888.70	1,738.68	1,734.22	12.60	5.23	-166.24	103.12	-174.77	738.62	726.31	12.31	59.988	
2,100.00	1,964.66	1,806.36	1,800.59	13.75	5.51	-167.30	103.38	-188.04	807.17	794.28	12.89	62.620	
2,200.00	2,045.44	1,877.59	1,870.53	14.99	5.80	-168.23	103.75	-201.50	879.68	866.18	13.50	65.156	
2,300.00	2,126.22	1,943.92	1,935.66	16.24	6.08	-168.98	103.77	-214.08	952.31	938.24	14.07	67.667	
2,400.00	2,207.00	2,006.96	1,997.50	17.50	6.35	-169.63	103.50	-226.26	1,025.26	1,010.64	14.62	70.123	
2,500.00	2,287.78	2,093.36	2,082.32	18.77	6.72	-170.40	103.04	-242.75	1,098.17	1,082.80	15.37	71.450	
2,600.00	2,368.56	2,170.72	2,158.52	20.04	7.05	-170.96	102.98	-256.04	1,169.70	1,153.66	16.05	72.896	
2,700.00	2,449.34	2,239.69	2,226.44	21.31	7.35	-171.41	102.84	-268.02	1,241.44	1,224.79	16.66	74.535	
2,800.00	2,530.12	2,325.15	2,310.73	22.59	7.72	-171.92	102.30	-282.16	1,312.62	1,295.22	17.40	75.419	
2,900.00	2,610.90	2,394.54	2,379.21	23.88	8.01	-172.31	101.46	-293.30	1,383.50	1,365.48	18.02	76.772	
3,000.00	2,691.68	2,461.96	2,445.73	25.16	8.30	-172.67	100.31	-304.20	1,454.48	1,435.86	18.62	78.103	
3,100.00	2,772.46	2,535.03	2,517.81	26.45	8.62	-173.03	98.93	-316.10	1,525.59	1,506.32	19.27	79.156	
3,200.00	2,853.23	2,613.17	2,594.98	27.74	8.96	-173.36	98.09	-328.41	1,596.32	1,576.35	19.97	79.937	
3,300.00	2,934.01	2,678.78	2,659.76	29.03	9.24	-173.59	97.68	-338.74	1,667.07	1,646.50	20.56	81.064	
3,400.00	3,014.79	2,750.34	2,730.41	30.32	9.55	-173.82	97.25	-350.12	1,737.93	1,716.72	21.21	81.932	
3,500.00	3,095.57	2,825.19	2,804.33	31.61	9.88	-174.05	96.65	-361.89	1,808.70	1,786.81	21.89	82.637	
3,600.00	3,176.35	2,899.73	2,877.97	32.91	10.20	-174.27	95.84	-373.40	1,879.27	1,856.71	22.56	83.298	
3,700.00	3,257.13	2,966.00	2,943.45	34.20	10.49	-174.46	94.82	-383.58	1,949.81	1,926.65	23.17	84.166	
3,800.00	3,337.91	3,029.61	3,006.27	35.50	10.76	-174.64	93.82	-393.52	2,020.57	1,996.82	23.75	85.074	
3,900.00	3,418.69	3,088.83	3,064.70	36.80	11.03	-174.78	93.14	-403.11	2,091.72	2,067.42	24.30	86.081	
4,000.00	3,499.47	3,150.00	3,125.01	38.09	11.30	-174.91	92.73	-413.36	2,163.25	2,138.38	24.87	86.994	
4,100.00	3,580.25	3,219.83	3,193.82	39.39	11.61	-175.02	92.92	-425.21	2,234.92	2,209.41	25.51	87.606	
4,200.00	3,661.03	3,299.82	3,272.67	40.69	11.97	-175.11	94.04	-438.63	2,306.43	2,280.19	26.25	87.879	
4,300.00	3,741.81	3,427.66	3,398.95	41.99	12.53	-175.27	94.97	-458.45	2,377.18	2,349.80	27.38	86.815	
4,400.00	3,822.58	3,824.43	3,794.23	43.29	14.00	-175.95	89.76	-487.44	2,441.74	2,411.26	30.48	80.106	
4,500.00	3,903.36	3,915.50	3,885.30	44.59	14.29	-176.04	90.34	-487.99	2,501.06	2,469.79	31.27	79.986	
4,600.00	3,984.14	4,003.36	3,973.16	45.89	14.57	-176.14	90.38	-488.14	2,560.04	2,528.01	32.03	79.915	
4,700.00	4,064.92	4,073.62	4,043.41	47.20	14.79	-176.22	90.36	-488.33	2,619.13	2,586.45	32.68	80.137	
4,800.00	4,145.70	4,143.47	4,113.26	48.50	15.01	-176.29	90.47	-488.81	2,678.54	2,645.21	33.33	80.368	
4,900.00	4,226.48	4,218.66	4,188.45	49.80	15.25	-176.35	90.74	-489.60	2,738.23	2,704.22	34.01	80.505	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,000.00	4,307.26	4,300.54	4,270.32	51.10	15.52	-176.42	91.15	-490.46	2,797.93	2,763.18	34.75	80.522	
5,100.00	4,388.04	4,371.00	4,340.78	52.40	15.76	-176.47	91.58	-491.17	2,857.61	2,822.21	35.40	80.719	
5,200.00	4,468.82	4,451.66	4,421.43	53.71	16.03	-176.53	92.16	-492.11	2,917.39	2,881.26	36.13	80.748	
5,300.00	4,549.60	4,522.03	4,491.79	55.01	16.26	-176.57	92.75	-493.19	2,977.46	2,940.67	36.78	80.944	
5,400.00	4,630.38	4,594.04	4,563.78	56.31	16.51	-176.62	93.41	-494.51	3,037.77	3,000.32	37.45	81.113	
5,500.00	4,711.16	4,668.28	4,638.01	57.62	16.76	-176.66	94.04	-496.02	3,098.24	3,060.11	38.14	81.244	
5,600.00	4,791.93	4,742.33	4,712.04	58.92	17.01	-176.70	94.60	-497.65	3,158.86	3,120.04	38.82	81.377	
5,700.00	4,872.71	4,827.22	4,796.90	60.23	17.31	-176.75	95.43	-499.55	3,219.49	3,179.91	39.58	81.340	
5,800.00	4,953.49	4,913.85	4,883.50	61.53	17.60	-176.78	96.89	-501.34	3,279.96	3,239.60	40.36	81.272	
5,900.00	5,034.27	4,993.80	4,963.42	62.83	17.88	-176.79	98.77	-502.90	3,340.31	3,299.22	41.09	81.300	
6,000.00	5,115.05	5,163.88	5,133.45	64.14	18.43	-176.85	101.58	-504.19	3,399.85	3,357.40	42.45	80.082	
6,100.00	5,195.83	5,256.76	5,226.32	65.44	18.72	-176.90	101.97	-503.30	3,457.95	3,414.69	43.26	79.938	
6,200.00	5,276.61	5,345.72	5,315.27	66.75	19.00	-176.95	102.43	-502.18	3,515.80	3,471.76	44.04	79.841	
6,300.00	5,357.39	5,425.14	5,394.68	68.05	19.25	-176.99	102.96	-501.16	3,573.61	3,528.86	44.75	79.860	
6,400.00	5,438.17	5,504.50	5,474.03	69.36	19.50	-177.03	103.60	-500.19	3,631.48	3,586.02	45.46	79.881	
6,500.00	5,518.95	5,578.39	5,547.92	70.66	19.74	-177.06	104.30	-499.39	3,689.45	3,643.31	46.14	79.965	
6,600.00	5,599.73	5,654.87	5,624.39	71.97	19.98	-177.09	104.91	-498.70	3,747.58	3,700.74	46.83	80.019	
6,700.00	5,680.51	5,718.68	5,688.20	73.27	20.18	-177.13	104.57	-498.16	3,805.84	3,758.41	47.44	80.231	
6,800.00	5,761.29	5,772.09	5,741.51	74.58	20.35	-177.22	101.59	-498.01	3,864.76	3,816.80	47.96	80.585	
6,837.84	5,791.85	5,795.00	5,764.31	75.07	20.43	-177.27	99.31	-497.94	3,887.14	3,838.96	48.17	80.690	
6,850.00	5,801.67	5,795.00	5,764.31	75.23	20.43	-174.72	99.31	-497.94	3,894.37	3,846.18	48.19	80.812	
6,900.00	5,841.80	5,832.01	5,800.99	75.88	20.54	-164.54	94.36	-497.82	3,924.08	3,875.56	48.52	80.877	
6,950.00	5,881.33	5,856.31	5,824.94	76.52	20.62	-154.82	90.26	-497.79	3,953.84	3,905.08	48.76	81.094	
7,000.00	5,919.97	5,890.00	5,857.93	77.14	20.73	-145.85	83.44	-497.79	3,983.46	3,934.40	49.05	81.205	
7,050.00	5,957.41	5,890.00	5,857.93	77.74	20.73	-137.30	83.44	-497.79	4,012.71	3,963.59	49.11	81.705	
7,100.00	5,993.37	5,890.00	5,857.93	78.32	20.73	-129.49	83.44	-497.79	4,041.59	3,992.43	49.16	82.211	
7,150.00	6,027.59	5,890.00	5,857.93	78.86	20.73	-122.44	83.44	-497.79	4,069.89	4,020.69	49.20	82.718	
7,200.00	6,059.79	5,926.10	5,893.01	79.36	20.84	-116.63	74.91	-498.05	4,096.98	4,047.49	49.50	82.770	
7,250.00	6,089.73	5,933.55	5,900.21	79.83	20.87	-111.15	73.02	-498.15	4,123.33	4,073.75	49.58	83.165	
7,300.00	6,117.20	5,939.63	5,906.08	80.25	20.89	-106.30	71.44	-498.25	4,148.54	4,098.89	49.65	83.561	
7,350.00	6,141.96	5,944.35	5,910.63	80.63	20.90	-102.05	70.20	-498.34	4,172.44	4,122.74	49.70	83.953	
7,400.00	6,163.85	5,947.73	5,913.89	80.98	20.91	-98.34	69.29	-498.40	4,194.89	4,145.15	49.74	84.335	
7,450.00	6,182.69	5,949.80	5,915.88	81.28	20.92	-95.15	68.73	-498.44	4,215.76	4,165.98	49.77	84.700	
7,500.00	6,198.33	5,950.61	5,916.66	81.54	20.92	-92.43	68.52	-498.46	4,234.91	4,185.11	49.80	85.037	
7,550.00	6,210.67	5,950.21	5,916.27	81.77	20.92	-90.16	68.62	-498.45	4,252.22	4,202.39	49.83	85.337	
7,600.00	6,219.60	5,948.65	5,914.78	81.96	20.91	-88.31	69.04	-498.42	4,267.60	4,217.73	49.86	85.590	
7,650.00	6,225.05	5,946.00	5,912.22	82.11	20.91	-86.87	69.76	-498.37	4,280.92	4,231.02	49.90	85.784	
7,702.53	6,227.00	5,942.09	5,908.46	82.24	20.89	-85.78	70.79	-498.30	4,292.63	4,242.66	49.96	85.913	
7,800.00	6,227.00	5,934.04	5,900.68	82.45	20.87	-85.67	72.89	-498.16	4,313.14	4,263.01	50.14	86.026	
7,900.00	6,227.00	5,926.18	5,893.08	82.68	20.84	-85.57	74.89	-498.05	4,336.32	4,285.93	50.39	86.063	
8,000.00	6,227.00	5,890.00	5,857.93	82.93	20.73	-85.09	83.44	-497.79	4,361.94	4,311.48	50.45	86.453	
8,100.00	6,227.00	5,890.00	5,857.93	83.20	20.73	-85.09	83.44	-497.79	4,389.20	4,338.31	50.89	86.252	
8,200.00	6,227.00	5,890.00	5,857.93	83.49	20.73	-85.09	83.44	-497.79	4,418.55	4,367.18	51.38	86.006	
8,300.00	6,227.00	5,890.00	5,857.93	83.80	20.73	-85.09	83.44	-497.79	4,449.96	4,398.05	51.91	85.725	
8,400.00	6,227.00	5,890.00	5,857.93	84.12	20.73	-85.09	83.44	-497.79	4,483.38	4,430.90	52.49	85.420	
8,500.00	6,227.00	5,890.00	5,857.93	84.47	20.73	-85.09	83.44	-497.79	4,518.77	4,465.67	53.10	85.101	
8,600.00	6,227.00	5,890.00	5,857.93	84.83	20.73	-85.09	83.44	-497.79	4,556.08	4,502.33	53.74	84.778	
8,700.00	6,227.00	5,890.00	5,857.93	85.22	20.73	-85.09	83.44	-497.79	4,595.26	4,540.85	54.41	84.458	
8,800.00	6,227.00	5,890.00	5,857.93	85.62	20.73	-85.09	83.44	-497.79	4,636.26	4,581.17	55.10	84.149	
8,900.00	6,227.00	5,890.00	5,857.93	86.05	20.73	-85.09	83.44	-497.79	4,679.05	4,623.25	55.80	83.856	
9,000.00	6,227.00	5,890.00	5,857.93	86.51	20.73	-85.09	83.44	-497.79	4,723.56	4,667.05	56.51	83.583	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,100.00	6,227.00	5,851.91	5,820.61	86.98	20.61	-84.59	91.05	-497.79	4,769.17	4,712.25	56.92	83.790	
9,200.00	6,227.00	5,847.45	5,816.22	87.49	20.59	-84.53	91.83	-497.79	4,816.84	4,759.23	57.61	83.610	
9,300.00	6,227.00	5,843.23	5,812.06	88.01	20.58	-84.47	92.55	-497.80	4,866.08	4,807.77	58.31	83.455	
9,400.00	6,227.00	5,839.25	5,808.13	88.56	20.57	-84.42	93.21	-497.81	4,916.85	4,857.84	59.01	83.327	
9,500.00	6,227.00	5,835.47	5,804.41	89.14	20.55	-84.37	93.82	-497.81	4,969.10	4,909.39	59.70	83.229	
9,600.00	6,227.00	5,831.90	5,800.87	89.75	20.54	-84.32	94.38	-497.82	5,022.78	4,962.38	60.40	83.160	
9,700.00	6,227.00	5,795.00	5,764.31	90.38	20.43	-83.83	99.31	-497.94	5,078.36	5,017.54	60.83	83.491	
9,800.00	6,227.00	5,795.00	5,764.31	91.04	20.43	-83.83	99.31	-497.94	5,134.70	5,073.17	61.54	83.441	
9,900.00	6,227.00	5,795.00	5,764.31	91.73	20.43	-83.83	99.31	-497.94	5,192.35	5,130.12	62.24	83.427	
10,000.00	6,227.00	5,795.00	5,764.31	92.44	20.43	-83.83	99.31	-497.94	5,251.28	5,188.35	62.93	83.449	
10,100.00	6,227.00	5,795.00	5,764.31	93.19	20.43	-83.83	99.31	-497.94	5,311.43	5,247.82	63.61	83.504	
10,200.00	6,227.00	5,795.00	5,764.31	93.96	20.43	-83.83	99.31	-497.94	5,372.77	5,308.50	64.27	83.593	
10,300.00	6,227.00	5,795.00	5,764.31	94.76	20.43	-83.83	99.31	-497.94	5,435.26	5,370.33	64.93	83.714	
10,400.00	6,227.00	5,795.00	5,764.31	95.59	20.43	-83.83	99.31	-497.94	5,498.86	5,433.29	65.57	83.868	
10,500.00	6,227.00	5,795.00	5,764.31	96.45	20.43	-83.83	99.31	-497.94	5,563.53	5,497.33	66.19	84.051	
10,600.00	6,227.00	5,795.00	5,764.31	97.34	20.43	-83.83	99.31	-497.94	5,629.23	5,562.42	66.80	84.265	
10,700.00	6,227.00	5,795.00	5,764.31	98.26	20.43	-83.83	99.31	-497.94	5,695.93	5,628.52	67.40	84.507	
10,800.00	6,227.00	5,795.00	5,764.31	99.20	20.43	-83.83	99.31	-497.94	5,763.59	5,695.60	67.99	84.777	
10,900.00	6,227.00	5,795.00	5,764.31	100.18	20.43	-83.83	99.31	-497.94	5,832.18	5,763.63	68.55	85.073	
11,000.00	6,227.00	5,795.00	5,764.31	101.18	20.43	-83.83	99.31	-497.94	5,901.67	5,832.56	69.11	85.395	
11,100.00	6,227.00	5,795.00	5,764.31	102.20	20.43	-83.83	99.31	-497.94	5,972.03	5,902.37	69.65	85.741	
11,200.00	6,227.00	5,795.00	5,764.31	103.26	20.43	-83.83	99.31	-497.94	6,043.22	5,973.04	70.18	86.111	
11,300.00	6,227.00	5,795.00	5,764.31	104.33	20.43	-83.83	99.31	-497.94	6,115.21	6,044.52	70.69	86.503	
11,400.00	6,227.00	5,795.00	5,764.31	105.44	20.43	-83.83	99.31	-497.94	6,187.99	6,116.80	71.19	86.917	
11,500.00	6,227.00	5,795.00	5,764.31	106.57	20.43	-83.83	99.31	-497.94	6,261.52	6,189.84	71.68	87.352	
11,600.00	6,227.00	5,795.00	5,764.31	107.72	20.43	-83.83	99.31	-497.94	6,335.77	6,263.61	72.16	87.806	
11,700.00	6,227.00	5,795.00	5,764.31	108.89	20.43	-83.83	99.31	-497.94	6,410.72	6,338.10	72.62	88.279	
11,800.00	6,227.00	5,795.00	5,764.31	110.09	20.43	-83.83	99.31	-497.94	6,486.35	6,413.28	73.07	88.771	
11,900.00	6,227.00	5,795.00	5,764.31	111.31	20.43	-83.83	99.31	-497.94	6,562.63	6,489.12	73.51	89.280	
12,000.00	6,227.00	5,795.00	5,764.31	112.54	20.43	-83.83	99.31	-497.94	6,639.54	6,565.61	73.93	89.805	
12,100.00	6,227.00	5,795.00	5,764.31	113.80	20.43	-83.83	99.31	-497.94	6,717.06	6,642.71	74.35	90.347	
12,200.00	6,227.00	5,795.00	5,764.31	115.08	20.43	-83.83	99.31	-497.94	6,795.16	6,720.41	74.75	90.904	
12,300.00	6,227.00	5,774.83	5,744.25	116.37	20.36	-83.56	101.34	-498.01	6,873.63	6,798.61	75.03	91.618	
12,400.00	6,227.00	5,773.55	5,742.98	117.69	20.36	-83.54	101.46	-498.01	6,952.83	6,877.42	75.40	92.211	
12,500.00	6,227.00	5,772.32	5,741.75	119.02	20.35	-83.52	101.57	-498.01	7,032.55	6,956.78	75.77	92.817	
12,600.00	6,227.00	5,771.12	5,740.55	120.36	20.35	-83.51	101.67	-498.02	7,112.78	7,036.65	76.13	93.435	
12,700.00	6,227.00	5,769.97	5,739.40	121.72	20.35	-83.49	101.77	-498.02	7,193.51	7,117.03	76.47	94.066	
12,800.00	6,227.00	5,749.00	5,718.49	123.10	20.28	-83.21	103.27	-498.06	7,274.91	7,198.21	76.70	94.851	
12,900.00	6,227.00	5,749.00	5,718.49	124.49	20.28	-83.21	103.27	-498.06	7,356.56	7,279.52	77.04	95.495	
13,000.00	6,227.00	5,749.00	5,718.49	125.89	20.28	-83.21	103.27	-498.06	7,438.65	7,361.29	77.36	96.151	
13,100.00	6,227.00	5,749.00	5,718.49	127.31	20.28	-83.21	103.27	-498.06	7,521.18	7,443.49	77.68	96.817	
13,200.00	6,227.00	5,749.00	5,718.49	128.74	20.28	-83.21	103.27	-498.06	7,604.12	7,526.13	78.00	97.493	
13,300.00	6,227.00	5,749.00	5,718.49	130.18	20.28	-83.21	103.27	-498.06	7,687.48	7,609.17	78.30	98.178	
13,400.00	6,227.00	5,749.00	5,718.49	131.63	20.28	-83.21	103.27	-498.06	7,771.22	7,692.62	78.60	98.873	
13,500.00	6,227.00	5,749.00	5,718.49	133.09	20.28	-83.21	103.27	-498.06	7,855.35	7,776.46	78.89	99.577	
13,600.00	6,227.00	5,749.00	5,718.49	134.57	20.28	-83.21	103.27	-498.06	7,939.84	7,860.67	79.17	100.289	
13,700.00	6,227.00	5,749.00	5,718.49	136.05	20.28	-83.21	103.27	-498.06	8,024.69	7,945.24	79.44	101.010	
13,800.00	6,227.00	5,749.00	5,718.49	137.54	20.28	-83.21	103.27	-498.06	8,109.88	8,030.17	79.71	101.738	
13,900.00	6,227.00	5,749.00	5,718.49	139.05	20.28	-83.21	103.27	-498.06	8,195.41	8,115.44	79.98	102.474	
14,000.00	6,227.00	5,749.00	5,718.49	140.56	20.28	-83.21	103.27	-498.06	8,281.27	8,201.04	80.23	103.217	
14,100.00	6,227.00	5,749.00	5,718.49	142.07	20.28	-83.21	103.27	-498.06	8,367.44	8,286.95	80.48	103.967	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE 11-36-1XRLNB - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 528-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,200.00	6,227.00	5,749.00	5,718.49	143.60	20.28	-83.21	103.27	-498.06	8,453.91	8,373.18	80.73	104.724	
14,300.00	6,227.00	5,749.00	5,718.49	145.14	20.28	-83.21	103.27	-498.06	8,540.68	8,459.71	80.96	105.487	
14,400.00	6,227.00	5,749.00	5,718.49	146.68	20.28	-83.21	103.27	-498.06	8,627.73	8,546.53	81.20	106.256	
14,500.00	6,227.00	5,749.00	5,718.49	148.23	20.28	-83.21	103.27	-498.06	8,715.06	8,633.64	81.43	107.031	
14,600.00	6,227.00	5,749.00	5,718.49	149.78	20.28	-83.21	103.27	-498.06	8,802.66	8,721.02	81.65	107.812	
14,700.00	6,227.00	5,749.00	5,718.49	151.35	20.28	-83.21	103.27	-498.06	8,890.53	8,808.66	81.87	108.598	
14,800.00	6,227.00	5,749.00	5,718.49	152.91	20.28	-83.21	103.27	-498.06	8,978.65	8,896.57	82.08	109.389	
14,900.00	6,227.00	5,749.00	5,718.49	154.49	20.28	-83.21	103.27	-498.06	9,067.01	8,984.72	82.29	110.185	
15,000.00	6,227.00	5,749.00	5,718.49	156.07	20.28	-83.21	103.27	-498.06	9,155.61	9,073.12	82.49	110.986	
15,100.00	6,227.00	5,749.00	5,718.49	157.65	20.28	-83.21	103.27	-498.06	9,244.45	9,161.76	82.69	111.792	
15,200.00	6,227.00	5,749.00	5,718.49	159.24	20.28	-83.21	103.27	-498.06	9,333.51	9,250.62	82.89	112.602	
15,300.00	6,227.00	5,749.00	5,718.49	160.84	20.28	-83.21	103.27	-498.06	9,422.79	9,339.71	83.08	113.416	
15,400.00	6,227.00	5,749.00	5,718.49	162.44	20.28	-83.21	103.27	-498.06	9,512.29	9,429.02	83.27	114.235	
15,500.00	6,227.00	5,749.00	5,718.49	164.05	20.28	-83.21	103.27	-498.06	9,601.99	9,518.53	83.45	115.057	
15,600.00	6,227.00	5,749.00	5,718.49	165.66	20.28	-83.21	103.27	-498.06	9,691.89	9,608.26	83.64	115.883	
15,700.00	6,227.00	5,749.00	5,718.49	167.27	20.28	-83.21	103.27	-498.06	9,781.99	9,698.18	83.81	116.712	
15,800.00	6,227.00	5,749.00	5,718.49	168.89	20.28	-83.21	103.27	-498.06	9,872.28	9,788.29	83.99	117.545	
15,900.00	6,227.00	5,749.00	5,718.49	170.51	20.28	-83.21	103.27	-498.06	9,962.76	9,878.60	84.16	118.382	
16,000.00	6,227.00	5,749.00	5,718.49	172.14	20.28	-83.21	103.27	-498.06	10,053.41	9,969.09	84.33	119.221	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												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 (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	2.82	2.82	0.00	0.00	141.33	-4,255.26	3,404.91	5,449.83				
100.00	100.00	118.77	118.77	0.27	0.23	141.33	-4,255.03	3,404.96	5,449.71	5,449.21	0.50	N/A	
200.00	200.00	238.37	238.37	0.63	0.65	141.33	-4,254.35	3,404.76	5,449.15	5,447.86	1.28	4,251.182	
300.00	299.98	328.49	328.49	0.98	0.98	57.16	-4,253.76	3,404.60	5,447.59	5,445.63	1.96	2,784.423	
400.00	399.84	415.55	415.55	1.34	1.29	57.25	-4,253.33	3,404.75	5,444.45	5,441.83	2.62	2,076.255	
500.00	499.45	531.48	531.47	1.71	1.70	57.42	-4,252.59	3,404.83	5,439.27	5,435.87	3.40	1,598.266	
600.00	598.70	632.95	632.93	2.10	2.06	57.65	-4,251.70	3,405.08	5,432.16	5,428.01	4.15	1,309.919	
700.00	697.47	748.25	748.23	2.51	2.48	57.95	-4,250.58	3,405.17	5,423.03	5,418.07	4.96	1,093.584	
800.00	795.62	845.27	845.24	2.95	2.83	58.30	-4,249.36	3,405.23	5,411.87	5,406.14	5.73	944.776	
900.00	893.06	922.91	922.88	3.44	3.10	58.67	-4,248.52	3,405.38	5,399.16	5,392.71	6.45	836.980	
1,000.00	989.64	1,207.69	1,207.26	3.96	4.08	59.76	-4,251.81	3,392.75	5,384.55	5,376.64	7.91	680.742	
1,100.00	1,085.27	1,279.50	1,278.65	4.54	4.33	60.36	-4,254.04	3,385.37	5,365.60	5,356.91	8.69	617.756	
1,200.00	1,179.82	1,333.51	1,332.23	5.16	4.53	60.95	-4,256.64	3,379.08	5,345.69	5,336.24	9.45	565.783	
1,300.00	1,273.17	1,377.90	1,376.19	5.85	4.69	61.54	-4,259.41	3,373.55	5,325.06	5,314.83	10.23	520.621	
1,400.00	1,365.21	1,416.21	1,414.06	6.59	4.84	62.12	-4,262.32	3,368.63	5,303.93	5,292.88	11.04	480.254	
1,500.00	1,455.84	1,476.40	1,473.48	7.40	5.07	62.86	-4,267.99	3,360.86	5,282.65	5,270.65	12.00	440.121	
1,600.00	1,544.94	1,476.40	1,473.48	8.28	5.07	63.26	-4,267.99	3,360.86	5,260.76	5,247.96	12.80	411.117	
1,700.00	1,632.39	10,874.00	6,363.27	9.23	81.05	148.19	-27.88	2,591.06	5,219.44	5,164.94	54.50	95.773	
1,800.00	1,718.11	10,874.00	6,363.27	10.25	81.05	155.86	-27.88	2,591.06	5,120.18	5,065.72	54.47	94.008	
1,900.00	1,801.97	10,874.00	6,363.27	11.35	81.05	160.57	-27.88	2,591.06	5,021.41	4,967.01	54.40	92.305	
2,005.96	1,888.70	10,874.00	6,363.27	12.60	81.05	163.87	-27.88	2,591.06	4,917.44	4,863.14	54.30	90.566	
2,100.00	1,964.66	10,874.00	6,363.27	13.75	81.05	163.87	-27.88	2,591.06	4,825.57	4,771.38	54.20	89.039	
2,200.00	2,045.44	10,874.00	6,363.27	14.99	81.05	163.87	-27.88	2,591.06	4,727.98	4,673.88	54.10	87.395	
2,300.00	2,126.22	10,874.00	6,363.27	16.24	81.05	163.87	-27.88	2,591.06	4,630.49	4,576.48	54.01	85.740	
2,400.00	2,207.00	10,874.00	6,363.27	17.50	81.05	163.87	-27.88	2,591.06	4,533.11	4,479.19	53.92	84.074	
2,500.00	2,287.78	10,874.00	6,363.27	18.77	81.05	163.87	-27.88	2,591.06	4,435.85	4,382.01	53.83	82.399	
2,600.00	2,368.56	10,874.00	6,363.27	20.04	81.05	163.87	-27.88	2,591.06	4,338.71	4,284.95	53.75	80.714	
2,700.00	2,449.34	10,874.00	6,363.27	21.31	81.05	163.87	-27.88	2,591.06	4,241.70	4,188.02	53.68	79.021	
2,800.00	2,530.12	10,874.00	6,363.27	22.59	81.05	163.87	-27.88	2,591.06	4,144.84	4,091.23	53.61	77.320	
2,900.00	2,610.90	10,874.00	6,363.27	23.88	81.05	163.87	-27.88	2,591.06	4,048.13	3,994.59	53.54	75.612	
3,000.00	2,691.68	10,874.00	6,363.27	25.16	81.05	163.87	-27.88	2,591.06	3,951.58	3,898.11	53.47	73.899	
3,100.00	2,772.46	10,874.00	6,363.27	26.45	81.05	163.87	-27.88	2,591.06	3,855.21	3,801.80	53.41	72.179	
3,200.00	2,853.23	10,874.00	6,363.27	27.74	81.05	163.87	-27.88	2,591.06	3,759.03	3,705.67	53.35	70.455	
3,300.00	2,934.01	10,874.00	6,363.27	29.03	81.05	163.87	-27.88	2,591.06	3,663.05	3,609.75	53.30	68.727	
3,400.00	3,014.79	10,874.00	6,363.27	30.32	81.05	163.87	-27.88	2,591.06	3,567.29	3,514.04	53.25	66.995	
3,500.00	3,095.57	10,874.00	6,363.27	31.61	81.05	163.87	-27.88	2,591.06	3,471.78	3,418.58	53.20	65.259	
3,600.00	3,176.35	10,874.00	6,363.27	32.91	81.05	163.87	-27.88	2,591.06	3,376.52	3,323.36	53.16	63.521	
3,700.00	3,257.13	10,874.00	6,363.27	34.20	81.05	163.87	-27.88	2,591.06	3,281.54	3,228.43	53.12	61.780	
3,800.00	3,337.91	10,874.00	6,363.27	35.50	81.05	163.87	-27.88	2,591.06	3,186.87	3,133.79	53.08	60.037	
3,900.00	3,418.69	10,874.00	6,363.27	36.80	81.05	163.87	-27.88	2,591.06	3,092.54	3,039.49	53.05	58.292	
4,000.00	3,499.47	10,874.00	6,363.27	38.09	81.05	163.87	-27.88	2,591.06	2,998.58	2,945.55	53.03	56.545	
4,100.00	3,580.25	10,874.00	6,363.27	39.39	81.05	163.87	-27.88	2,591.06	2,905.02	2,852.00	53.01	54.796	
4,200.00	3,661.03	10,874.00	6,363.27	40.69	81.05	163.87	-27.88	2,591.06	2,811.90	2,758.89	53.01	53.045	
4,300.00	3,741.81	10,874.00	6,363.27	41.99	81.05	163.87	-27.88	2,591.06	2,719.27	2,666.25	53.02	51.291	
4,400.00	3,822.58	10,874.00	6,363.27	43.29	81.05	163.87	-27.88	2,591.06	2,627.18	2,574.14	53.04	49.534	
4,500.00	3,903.36	10,874.00	6,363.27	44.59	81.05	163.87	-27.88	2,591.06	2,535.69	2,482.61	53.08	47.774	
4,600.00	3,984.14	10,874.00	6,363.27	45.89	81.05	163.87	-27.88	2,591.06	2,444.86	2,391.72	53.14	46.009	
4,700.00	4,064.92	10,874.00	6,363.27	47.20	81.05	163.87	-27.88	2,591.06	2,354.78	2,301.55	53.23	44.238	
4,800.00	4,145.70	10,874.00	6,363.27	48.50	81.05	163.87	-27.88	2,591.06	2,265.54	2,212.18	53.36	42.460	
4,900.00	4,226.48	10,874.00	6,363.27	49.80	81.05	163.87	-27.88	2,591.06	2,177.22	2,123.69	53.53	40.673	
5,000.00	4,307.26	10,874.00	6,363.27	51.10	81.05	163.87	-27.88	2,591.06	2,089.96	2,036.20	53.76	38.874	

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	4,388.04	10,874.00	6,363.27	52.40	81.05	163.87	-27.88	2,591.06	2,003.90	1,949.83	54.07	37.061		
5,200.00	4,468.82	10,874.00	6,363.27	53.71	81.05	163.87	-27.88	2,591.06	1,919.18	1,864.70	54.47	35.231		
5,300.00	4,549.60	10,874.00	6,363.27	55.01	81.05	163.87	-27.88	2,591.06	1,836.00	1,781.00	55.00	33.381		
5,400.00	4,630.38	10,874.00	6,363.27	56.31	81.05	163.87	-27.88	2,591.06	1,754.58	1,698.89	55.69	31.509		
5,500.00	4,711.16	10,874.00	6,363.27	57.62	81.05	163.87	-27.88	2,591.06	1,675.17	1,618.60	56.57	29.613		
5,600.00	4,791.93	10,874.00	6,363.27	58.92	81.05	163.87	-27.88	2,591.06	1,598.08	1,540.37	57.70	27.695		
5,700.00	4,872.71	10,874.00	6,363.27	60.23	81.05	163.87	-27.88	2,591.06	1,523.64	1,464.50	59.15	25.760		
5,800.00	4,953.49	10,874.00	6,363.27	61.53	81.05	163.87	-27.88	2,591.06	1,452.29	1,391.32	60.97	23.818		
5,900.00	5,034.27	10,874.00	6,363.27	62.83	81.05	163.87	-27.88	2,591.06	1,384.48	1,321.23	63.25	21.889		
6,000.00	5,115.05	10,874.00	6,363.27	64.14	81.05	163.87	-27.88	2,591.06	1,320.77	1,254.73	66.04	20.000		
6,100.00	5,195.83	10,874.00	6,363.27	65.44	81.05	163.87	-27.88	2,591.06	1,261.78	1,192.39	69.39	18.184		
6,200.00	5,276.61	10,874.00	6,363.27	66.75	81.05	163.87	-27.88	2,591.06	1,208.20	1,134.88	73.31	16.480		
6,300.00	5,357.39	10,874.00	6,363.27	68.05	81.05	163.87	-27.88	2,591.06	1,160.77	1,082.99	77.78	14.925		
6,400.00	5,438.17	10,874.00	6,363.27	69.36	81.05	163.87	-27.88	2,591.06	1,120.28	1,037.60	82.68	13.550		
6,500.00	5,518.95	10,874.00	6,363.27	70.66	81.05	163.87	-27.88	2,591.06	1,087.51	999.64	87.87	12.376		
6,600.00	5,599.73	10,874.00	6,363.27	71.97	81.05	163.87	-27.88	2,591.06	1,063.17	970.02	93.15	11.413		
6,700.00	5,680.51	10,874.00	6,363.27	73.27	81.05	163.87	-27.88	2,591.06	1,047.85	949.57	98.28	10.662		
6,800.00	5,761.29	10,874.00	6,363.27	74.58	81.05	163.87	-27.88	2,591.06	1,041.93	938.93	103.01	10.115		
6,811.77	5,770.79	10,874.00	6,363.27	74.73	81.05	163.87	-27.88	2,591.06	1,041.87	938.34	103.53	10.064 CC		
6,837.84	5,791.85	10,874.00	6,363.27	75.07	81.05	163.87	-27.88	2,591.06	1,042.19	937.55	104.65	9.959		
6,850.00	5,801.67	10,874.00	6,363.27	75.23	81.05	165.57	-27.88	2,591.06	1,042.62	937.46	105.16	9.915 ES		
6,900.00	5,841.80	10,874.00	6,363.27	75.88	81.05	172.59	-27.88	2,591.06	1,046.79	939.64	107.16	9.769		
6,950.00	5,881.33	10,874.00	6,363.27	76.52	81.05	179.55	-27.88	2,591.06	1,054.84	945.87	108.97	9.680		
7,000.00	5,919.97	10,874.00	6,363.27	77.14	81.05	-173.67	-27.88	2,591.06	1,066.60	956.01	110.59	9.645 SF		
7,050.00	5,957.41	10,874.00	6,363.27	77.74	81.05	-167.13	-27.88	2,591.06	1,081.88	969.88	111.99	9.660		
7,100.00	5,993.37	10,874.00	6,363.27	78.32	81.05	-160.83	-27.88	2,591.06	1,100.40	987.21	113.19	9.722		
7,150.00	6,027.59	10,874.00	6,363.27	78.86	81.05	-154.74	-27.88	2,591.06	1,121.87	1,007.68	114.19	9.825		
7,200.00	6,059.79	10,874.00	6,363.27	79.36	81.05	-148.81	-27.88	2,591.06	1,145.97	1,030.97	115.01	9.964		
7,250.00	6,089.73	10,874.00	6,363.27	79.83	81.05	-142.99	-27.88	2,591.06	1,172.36	1,056.70	115.67	10.136		
7,300.00	6,117.20	10,874.00	6,363.27	80.25	81.05	-137.25	-27.88	2,591.06	1,200.70	1,084.50	116.19	10.334		
7,350.00	6,141.96	10,874.00	6,363.27	80.63	81.05	-131.58	-27.88	2,591.06	1,230.63	1,114.03	116.60	10.554		
7,400.00	6,163.85	10,874.00	6,363.27	80.98	81.05	-126.00	-27.88	2,591.06	1,261.83	1,144.91	116.92	10.792		
7,450.00	6,182.69	10,874.00	6,363.27	81.28	81.05	-120.53	-27.88	2,591.06	1,293.98	1,176.83	117.16	11.045		
7,500.00	6,198.33	10,874.00	6,363.27	81.54	81.05	-115.24	-27.88	2,591.06	1,326.78	1,209.44	117.33	11.308		
7,550.00	6,210.67	10,874.00	6,363.27	81.77	81.05	-110.19	-27.88	2,591.06	1,359.92	1,242.47	117.46	11.578		
7,600.00	6,219.60	10,874.00	6,363.27	81.96	81.05	-105.44	-27.88	2,591.06	1,393.16	1,275.62	117.53	11.853		
7,650.00	6,225.05	10,874.00	6,363.27	82.11	81.05	-101.05	-27.88	2,591.06	1,426.23	1,308.66	117.58	12.130		
7,702.53	6,227.00	10,874.00	6,363.27	82.24	81.05	-96.90	-27.88	2,591.06	1,460.55	1,342.96	117.58	12.421		
7,800.00	6,227.00	10,874.00	6,363.27	82.45	81.05	-96.90	-27.88	2,591.06	1,525.47	1,407.98	117.50	12.983		
7,900.00	6,227.00	10,874.00	6,363.27	82.68	81.05	-96.90	-27.88	2,591.06	1,595.53	1,478.24	117.29	13.603		
8,000.00	6,227.00	10,874.00	6,363.27	82.93	81.05	-96.90	-27.88	2,591.06	1,668.64	1,551.65	116.98	14.264		
8,100.00	6,227.00	10,874.00	6,363.27	83.20	81.05	-96.90	-27.88	2,591.06	1,744.42	1,627.81	116.61	14.960		
8,200.00	6,227.00	10,874.00	6,363.27	83.49	81.05	-96.90	-27.88	2,591.06	1,822.54	1,706.35	116.18	15.687		
8,300.00	6,227.00	10,874.00	6,363.27	83.80	81.05	-96.90	-27.88	2,591.06	1,902.70	1,786.98	115.72	16.442		
8,400.00	6,227.00	10,874.00	6,363.27	84.12	81.05	-96.90	-27.88	2,591.06	1,984.67	1,869.43	115.24	17.222		
8,500.00	6,227.00	10,874.00	6,363.27	84.47	81.05	-96.90	-27.88	2,591.06	2,068.23	1,953.47	114.75	18.023		
8,600.00	6,227.00	10,874.00	6,363.27	84.83	81.05	-96.90	-27.88	2,591.06	2,153.19	2,038.92	114.26	18.844		
8,700.00	6,227.00	10,874.00	6,363.27	85.22	81.05	-96.90	-27.88	2,591.06	2,239.39	2,125.61	113.78	19.682		
8,800.00	6,227.00	10,874.00	6,363.27	85.62	81.05	-96.90	-27.88	2,591.06	2,326.69	2,213.39	113.30	20.535		
8,900.00	6,227.00	10,874.00	6,363.27	86.05	81.05	-96.90	-27.88	2,591.06	2,414.98	2,302.15	112.84	21.402		
9,000.00	6,227.00	10,874.00	6,363.27	86.51	81.05	-96.90	-27.88	2,591.06	2,504.15	2,391.77	112.39	22.282		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,100.00	6,227.00	10,874.00	6,363.27	86.98	81.05	-96.90	-27.88	2,591.06	2,594.11	2,482.16	111.95	23.172	
9,200.00	6,227.00	10,874.00	6,363.27	87.49	81.05	-96.90	-27.88	2,591.06	2,684.79	2,573.25	111.53	24.071	
9,300.00	6,227.00	10,874.00	6,363.27	88.01	81.05	-96.90	-27.88	2,591.06	2,776.10	2,664.96	111.13	24.980	
9,400.00	6,227.00	10,874.00	6,363.27	88.56	81.05	-96.90	-27.88	2,591.06	2,867.99	2,757.24	110.75	25.896	
9,500.00	6,227.00	10,874.00	6,363.27	89.14	81.05	-96.90	-27.88	2,591.06	2,960.41	2,850.02	110.38	26.820	
9,600.00	6,227.00	10,874.00	6,363.27	89.75	81.05	-96.90	-27.88	2,591.06	3,053.30	2,943.27	110.03	27.749	
9,700.00	6,227.00	10,874.00	6,363.27	90.38	81.05	-96.90	-27.88	2,591.06	3,146.63	3,036.93	109.70	28.685	
9,800.00	6,227.00	10,874.00	6,363.27	91.04	81.05	-96.90	-27.88	2,591.06	3,240.36	3,130.98	109.38	29.625	
9,900.00	6,227.00	10,874.00	6,363.27	91.73	81.05	-96.90	-27.88	2,591.06	3,334.45	3,225.38	109.07	30.571	
10,000.00	6,227.00	10,874.00	6,363.27	92.44	81.05	-96.90	-27.88	2,591.06	3,428.88	3,320.10	108.78	31.520	
10,100.00	6,227.00	10,874.00	6,363.27	93.19	81.05	-96.90	-27.88	2,591.06	3,523.61	3,415.11	108.51	32.473	
10,200.00	6,227.00	10,874.00	6,363.27	93.96	81.05	-96.90	-27.88	2,591.06	3,618.63	3,510.39	108.24	33.430	
10,300.00	6,227.00	10,874.00	6,363.27	94.76	81.05	-96.90	-27.88	2,591.06	3,713.91	3,605.92	107.99	34.390	
10,400.00	6,227.00	10,874.00	6,363.27	95.59	81.05	-96.90	-27.88	2,591.06	3,809.43	3,701.68	107.76	35.352	
10,500.00	6,227.00	10,874.00	6,363.27	96.45	81.05	-96.90	-27.88	2,591.06	3,905.18	3,797.65	107.53	36.318	
10,600.00	6,227.00	10,874.00	6,363.27	97.34	81.05	-96.90	-27.88	2,591.06	4,001.13	3,893.82	107.31	37.285	
10,700.00	6,227.00	10,874.00	6,363.27	98.26	81.05	-96.90	-27.88	2,591.06	4,097.28	3,990.18	107.11	38.255	
10,800.00	6,227.00	10,874.00	6,363.27	99.20	81.05	-96.90	-27.88	2,591.06	4,193.61	4,086.70	106.91	39.226	
10,900.00	6,227.00	10,874.00	6,363.27	100.18	81.05	-96.90	-27.88	2,591.06	4,290.11	4,183.38	106.72	40.199	
11,000.00	6,227.00	10,874.00	6,363.27	101.18	81.05	-96.90	-27.88	2,591.06	4,386.76	4,280.22	106.54	41.174	
11,100.00	6,227.00	10,874.00	6,363.27	102.20	81.05	-96.90	-27.88	2,591.06	4,483.56	4,377.19	106.37	42.150	
11,200.00	6,227.00	10,874.00	6,363.27	103.26	81.05	-96.90	-27.88	2,591.06	4,580.49	4,474.29	106.21	43.127	
11,300.00	6,227.00	10,874.00	6,363.27	104.33	81.05	-96.90	-27.88	2,591.06	4,677.56	4,571.51	106.05	44.106	
11,400.00	6,227.00	10,874.00	6,363.27	105.44	81.05	-96.90	-27.88	2,591.06	4,774.75	4,668.84	105.91	45.085	
11,500.00	6,227.00	10,874.00	6,363.27	106.57	81.05	-96.90	-27.88	2,591.06	4,872.05	4,766.28	105.76	46.065	
11,600.00	6,227.00	10,874.00	6,363.27	107.72	81.05	-96.90	-27.88	2,591.06	4,969.46	4,863.83	105.63	47.046	
11,700.00	6,227.00	10,874.00	6,363.27	108.89	81.05	-96.90	-27.88	2,591.06	5,066.97	4,961.47	105.50	48.028	
11,800.00	6,227.00	10,874.00	6,363.27	110.09	81.05	-96.90	-27.88	2,591.06	5,164.57	5,059.19	105.38	49.010	
11,900.00	6,227.00	10,874.00	6,363.27	111.31	81.05	-96.90	-27.88	2,591.06	5,262.27	5,157.01	105.26	49.993	
12,000.00	6,227.00	10,874.00	6,363.27	112.54	81.05	-96.90	-27.88	2,591.06	5,360.04	5,254.90	105.15	50.977	
12,100.00	6,227.00	10,874.00	6,363.27	113.80	81.05	-96.90	-27.88	2,591.06	5,457.90	5,352.86	105.04	51.960	
12,200.00	6,227.00	10,874.00	6,363.27	115.08	81.05	-96.90	-27.88	2,591.06	5,555.84	5,450.90	104.94	52.944	
12,300.00	6,227.00	10,874.00	6,363.27	116.37	81.05	-96.90	-27.88	2,591.06	5,653.85	5,549.01	104.84	53.929	
12,400.00	6,227.00	10,874.00	6,363.27	117.69	81.05	-96.90	-27.88	2,591.06	5,751.93	5,647.18	104.75	54.913	
12,500.00	6,227.00	10,874.00	6,363.27	119.02	81.05	-96.90	-27.88	2,591.06	5,850.07	5,745.41	104.66	55.898	
12,600.00	6,227.00	10,874.00	6,363.27	120.36	81.05	-96.90	-27.88	2,591.06	5,948.27	5,843.70	104.57	56.883	
12,700.00	6,227.00	10,874.00	6,363.27	121.72	81.05	-96.90	-27.88	2,591.06	6,046.53	5,942.05	104.49	57.867	
12,800.00	6,227.00	10,874.00	6,363.27	123.10	81.05	-96.90	-27.88	2,591.06	6,144.85	6,040.44	104.41	58.852	
12,900.00	6,227.00	10,874.00	6,363.27	124.49	81.05	-96.90	-27.88	2,591.06	6,243.23	6,138.89	104.34	59.837	
13,000.00	6,227.00	10,874.00	6,363.27	125.89	81.05	-96.90	-27.88	2,591.06	6,341.65	6,237.38	104.27	60.822	
13,100.00	6,227.00	10,874.00	6,363.27	127.31	81.05	-96.90	-27.88	2,591.06	6,440.12	6,335.92	104.20	61.807	
13,200.00	6,227.00	10,874.00	6,363.27	128.74	81.05	-96.90	-27.88	2,591.06	6,538.64	6,434.51	104.13	62.791	
13,300.00	6,227.00	10,874.00	6,363.27	130.18	81.05	-96.90	-27.88	2,591.06	6,637.20	6,533.13	104.07	63.775	
13,400.00	6,227.00	10,874.00	6,363.27	131.63	81.05	-96.90	-27.88	2,591.06	6,735.81	6,631.79	104.01	64.760	
13,500.00	6,227.00	10,874.00	6,363.27	133.09	81.05	-96.90	-27.88	2,591.06	6,834.45	6,730.50	103.96	65.744	
13,600.00	6,227.00	10,874.00	6,363.27	134.57	81.05	-96.90	-27.88	2,591.06	6,933.14	6,829.23	103.90	66.727	
13,700.00	6,227.00	10,874.00	6,363.27	136.05	81.05	-96.90	-27.88	2,591.06	7,031.86	6,928.01	103.85	67.711	
13,800.00	6,227.00	10,874.00	6,363.27	137.54	81.05	-96.90	-27.88	2,591.06	7,130.61	7,026.81	103.80	68.694	
13,900.00	6,227.00	10,874.00	6,363.27	139.05	81.05	-96.90	-27.88	2,591.06	7,229.41	7,125.65	103.76	69.676	
14,000.00	6,227.00	10,874.00	6,363.27	140.56	81.05	-96.90	-27.88	2,591.06	7,328.23	7,224.52	103.71	70.659	
14,100.00	6,227.00	10,874.00	6,363.27	142.07	81.05	-96.90	-27.88	2,591.06	7,427.08	7,323.41	103.67	71.641	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
14,200.00	6,227.00	10,874.00	6,363.27	143.60	81.05	-96.90	-27.88	2,591.06	7,525.97	7,422.34	103.63	72.622	
14,300.00	6,227.00	10,874.00	6,363.27	145.14	81.05	-96.90	-27.88	2,591.06	7,624.88	7,521.29	103.59	73.604	
14,400.00	6,227.00	10,874.00	6,363.27	146.68	81.05	-96.90	-27.88	2,591.06	7,723.83	7,620.27	103.56	74.584	
14,500.00	6,227.00	10,874.00	6,363.27	148.23	81.05	-96.90	-27.88	2,591.06	7,822.80	7,719.27	103.52	75.565	
14,600.00	6,227.00	10,874.00	6,363.27	149.78	81.05	-96.90	-27.88	2,591.06	7,921.79	7,818.30	103.49	76.544	
14,700.00	6,227.00	10,874.00	6,363.27	151.35	81.05	-96.90	-27.88	2,591.06	8,020.81	7,917.35	103.46	77.524	
14,800.00	6,227.00	10,874.00	6,363.27	152.91	81.05	-96.90	-27.88	2,591.06	8,119.86	8,016.42	103.43	78.503	
14,900.00	6,227.00	10,874.00	6,363.27	154.49	81.05	-96.90	-27.88	2,591.06	8,218.93	8,115.52	103.41	79.481	
15,000.00	6,227.00	10,874.00	6,363.27	156.07	81.05	-96.90	-27.88	2,591.06	8,318.01	8,214.63	103.38	80.459	
15,100.00	6,227.00	10,874.00	6,363.27	157.65	81.05	-96.90	-27.88	2,591.06	8,417.13	8,313.77	103.36	81.436	
15,200.00	6,227.00	10,874.00	6,363.27	159.24	81.05	-96.90	-27.88	2,591.06	8,516.26	8,412.92	103.34	82.412	
15,300.00	6,227.00	10,874.00	6,363.27	160.84	81.05	-96.90	-27.88	2,591.06	8,615.41	8,512.09	103.32	83.388	
15,400.00	6,227.00	10,874.00	6,363.27	162.44	81.05	-96.90	-27.88	2,591.06	8,714.58	8,611.28	103.30	84.364	
15,500.00	6,227.00	10,874.00	6,363.27	164.05	81.05	-96.90	-27.88	2,591.06	8,813.77	8,710.49	103.28	85.339	
15,600.00	6,227.00	10,874.00	6,363.27	165.66	81.05	-96.90	-27.88	2,591.06	8,912.98	8,809.72	103.26	86.313	
15,700.00	6,227.00	10,874.00	6,363.27	167.27	81.05	-96.90	-27.88	2,591.06	9,012.21	8,908.96	103.25	87.286	
15,800.00	6,227.00	10,874.00	6,363.27	168.89	81.05	-96.90	-27.88	2,591.06	9,111.45	9,008.21	103.24	88.259	
15,900.00	6,227.00	10,874.00	6,363.27	170.51	81.05	-96.90	-27.88	2,591.06	9,210.71	9,107.49	103.22	89.231	
16,000.00	6,227.00	10,874.00	6,363.27	172.14	81.05	-96.90	-27.88	2,591.06	9,309.98	9,206.77	103.21	90.203	
16,100.00	6,227.00	10,874.00	6,363.27	173.77	81.05	-96.90	-27.88	2,591.06	9,409.27	9,306.07	103.20	91.174	
16,200.00	6,227.00	10,874.00	6,363.27	175.40	81.05	-96.90	-27.88	2,591.06	9,508.58	9,405.39	103.19	92.144	
16,300.00	6,227.00	10,874.00	6,363.27	177.04	81.05	-96.90	-27.88	2,591.06	9,607.90	9,504.71	103.19	93.113	
16,400.00	6,227.00	10,874.00	6,363.27	178.68	81.05	-96.90	-27.88	2,591.06	9,707.23	9,604.05	103.18	94.082	
16,500.00	6,227.00	10,874.00	6,363.27	180.32	81.05	-96.90	-27.88	2,591.06	9,806.58	9,703.41	103.17	95.050	
16,600.00	6,227.00	10,874.00	6,363.27	181.96	81.05	-96.90	-27.88	2,591.06	9,905.94	9,802.77	103.17	96.017	
16,700.00	6,227.00	10,874.00	6,363.27	183.61	81.05	-96.90	-27.88	2,591.06	10,005.31	9,902.15	103.17	96.983	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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
100.00	100.00	87.37	87.37	0.27	0.15	141.97	-4,357.44	3,407.71	5,531.73	5,531.31	0.42	N/A	
200.00	200.00	170.58	170.58	0.63	0.30	141.98	-4,357.96	3,407.69	5,532.21	5,531.28	0.92	5,982.801	
300.00	299.98	253.76	253.76	0.98	0.44	57.79	-4,358.80	3,407.65	5,532.05	5,530.63	1.42	3,891.081	
400.00	399.84	336.83	336.81	1.34	0.59	57.87	-4,359.97	3,407.60	5,530.34	5,528.42	1.92	2,878.677	
500.00	499.45	419.67	419.64	1.71	0.73	58.00	-4,361.47	3,407.54	5,527.08	5,524.65	2.43	2,273.300	
600.00	598.70	695.00	694.92	2.10	1.52	58.43	-4,362.76	3,405.74	5,520.64	5,517.03	3.61	1,531.199	
700.00	697.47	729.49	729.40	2.51	1.64	58.63	-4,362.19	3,405.92	5,511.35	5,507.23	4.12	1,337.412	
800.00	795.62	788.00	787.90	2.95	1.84	58.89	-4,361.66	3,406.96	5,501.48	5,496.74	4.74	1,160.109	
900.00	893.06	788.00	787.90	3.44	1.84	59.08	-4,361.66	3,406.96	5,490.80	5,485.61	5.19	1,057.342	
1,000.00	989.64	838.91	838.79	3.96	2.02	59.38	-4,361.77	3,408.52	5,479.48	5,473.63	5.86	935.856	
1,100.00	1,085.27	879.00	878.84	4.54	2.16	59.68	-4,362.34	3,410.09	5,467.65	5,461.13	6.52	838.774	
1,200.00	1,179.82	953.56	953.32	5.16	2.42	60.11	-4,363.97	3,413.13	5,454.91	5,447.56	7.35	742.142	
1,300.00	1,273.17	1,006.90	1,006.59	5.85	2.61	60.52	-4,365.18	3,415.55	5,440.97	5,432.82	8.16	667.126	
1,400.00	1,365.21	1,064.00	1,063.51	6.59	2.82	60.95	-4,365.86	3,419.99	5,426.36	5,417.33	9.03	601.071	
1,500.00	1,455.84	1,093.46	1,092.82	7.40	2.93	61.32	-4,366.07	3,422.94	5,411.06	5,401.20	9.86	548.741	
1,600.00	1,544.94	1,155.00	1,153.96	8.28	3.16	61.82	-4,366.79	3,429.93	5,395.34	5,384.47	10.87	496.322	
1,700.00	1,632.39	1,181.43	1,180.18	9.23	3.26	62.21	-4,367.19	3,433.22	5,378.88	5,367.06	11.82	455.045	
1,800.00	1,718.11	1,245.00	1,243.20	10.25	3.50	62.77	-4,368.25	3,441.51	5,361.76	5,348.78	12.98	413.197	
1,900.00	1,801.97	1,245.00	1,243.20	11.35	3.50	63.09	-4,368.25	3,441.51	5,344.29	5,330.33	13.97	382.648	
2,005.96	1,888.70	1,295.39	1,293.13	12.60	3.69	63.67	-4,370.02	3,448.05	5,325.23	5,309.95	15.29	348.336	
2,100.00	1,964.66	1,338.00	1,335.33	13.75	3.86	63.89	-4,372.89	3,453.20	5,309.17	5,292.67	16.50	321.801	
2,200.00	2,045.44	1,338.00	1,335.33	14.99	3.86	63.89	-4,372.89	3,453.20	5,293.23	5,275.60	17.63	300.231	
2,300.00	2,126.22	10,661.87	6,296.64	16.24	80.41	78.03	-119.15	3,931.02	5,262.76	5,202.56	60.19	87.429	
2,400.00	2,207.00	10,682.44	6,296.86	17.50	80.76	77.30	-98.60	3,931.93	5,163.25	5,102.68	60.57	85.238	
2,500.00	2,287.78	10,692.54	6,296.97	18.77	80.93	76.92	-88.51	3,932.36	5,063.74	5,002.89	60.85	83.222	
2,600.00	2,368.56	10,704.33	6,297.09	20.04	81.13	76.47	-76.73	3,932.85	4,964.22	4,903.08	61.14	81.194	
2,700.00	2,449.34	10,713.29	6,297.18	21.31	81.28	76.10	-67.78	3,933.23	4,864.71	4,803.29	61.41	79.216	
2,800.00	2,530.12	10,722.53	6,297.28	22.59	81.44	75.72	-58.55	3,933.61	4,765.19	4,703.50	61.69	77.245	
2,900.00	2,610.90	10,731.77	6,297.38	23.88	81.60	75.32	-49.32	3,934.00	4,665.68	4,603.71	61.97	75.285	
3,000.00	2,691.68	10,741.01	6,297.47	25.16	81.75	74.90	-40.09	3,934.38	4,566.17	4,503.91	62.26	73.337	
3,100.00	2,772.46	10,750.25	6,297.57	26.45	81.91	74.47	-30.86	3,934.77	4,466.67	4,404.11	62.56	71.401	
3,200.00	2,853.23	10,752.00	6,297.59	27.74	81.94	74.38	-29.11	3,934.84	4,367.17	4,304.38	62.79	69.553	
3,300.00	2,934.01	10,752.00	6,297.59	29.03	81.94	74.38	-29.11	3,934.84	4,267.70	4,204.68	63.01	67.725	
3,400.00	3,014.79	10,752.00	6,297.59	30.32	81.94	74.38	-29.11	3,934.84	4,168.25	4,105.00	63.25	65.900	
3,500.00	3,095.57	10,752.00	6,297.59	31.61	81.94	74.38	-29.11	3,934.84	4,068.83	4,005.33	63.50	64.077	
3,600.00	3,176.35	10,752.00	6,297.59	32.91	81.94	74.38	-29.11	3,934.84	3,969.44	3,905.68	63.76	62.256	
3,700.00	3,257.13	10,752.00	6,297.59	34.20	81.94	74.38	-29.11	3,934.84	3,870.08	3,806.04	64.03	60.439	
3,800.00	3,337.91	10,752.00	6,297.59	35.50	81.94	74.38	-29.11	3,934.84	3,770.75	3,706.43	64.32	58.625	
3,900.00	3,418.69	10,752.00	6,297.59	36.80	81.94	74.38	-29.11	3,934.84	3,671.46	3,606.84	64.62	56.814	
4,000.00	3,499.47	10,752.00	6,297.59	38.09	81.94	74.38	-29.11	3,934.84	3,572.21	3,507.27	64.94	55.008	
4,100.00	3,580.25	10,752.00	6,297.59	39.39	81.94	74.38	-29.11	3,934.84	3,473.00	3,407.73	65.28	53.206	
4,200.00	3,661.03	10,752.00	6,297.59	40.69	81.94	74.38	-29.11	3,934.84	3,373.84	3,308.21	65.63	51.408	
4,300.00	3,741.81	10,752.00	6,297.59	41.99	81.94	74.38	-29.11	3,934.84	3,274.73	3,208.73	66.00	49.616	
4,400.00	3,822.58	10,752.00	6,297.59	43.29	81.94	74.38	-29.11	3,934.84	3,175.68	3,109.28	66.40	47.828	
4,500.00	3,903.36	10,752.00	6,297.59	44.59	81.94	74.38	-29.11	3,934.84	3,076.69	3,009.87	66.82	46.047	
4,600.00	3,984.14	10,752.00	6,297.59	45.89	81.94	74.38	-29.11	3,934.84	2,977.76	2,910.50	67.26	44.272	
4,700.00	4,064.92	10,752.00	6,297.59	47.20	81.94	74.38	-29.11	3,934.84	2,878.91	2,811.18	67.73	42.503	
4,800.00	4,145.70	10,752.00	6,297.59	48.50	81.94	74.38	-29.11	3,934.84	2,780.14	2,711.90	68.24	40.741	
4,900.00	4,226.48	10,752.00	6,297.59	49.80	81.94	74.38	-29.11	3,934.84	2,681.47	2,612.69	68.78	38.987	
5,000.00	4,307.26	10,752.00	6,297.59	51.10	81.94	74.38	-29.11	3,934.84	2,582.89	2,513.53	69.36	37.241	
5,100.00	4,388.04	10,752.00	6,297.59	52.40	81.94	74.38	-29.11	3,934.84	2,484.43	2,414.45	69.98	35.503	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,200.00	4,468.82	10,752.00	6,297.59	53.71	81.94	74.38	-29.11	3,934.84	2,386.10	2,315.45	70.65	33.775	
5,300.00	4,549.60	10,752.00	6,297.59	55.01	81.94	74.38	-29.11	3,934.84	2,287.91	2,216.54	71.37	32.057	
5,400.00	4,630.38	10,752.00	6,297.59	56.31	81.94	74.38	-29.11	3,934.84	2,189.88	2,117.73	72.15	30.350	
5,500.00	4,711.16	10,752.00	6,297.59	57.62	81.94	74.38	-29.11	3,934.84	2,092.04	2,019.04	73.01	28.656	
5,600.00	4,791.93	10,752.00	6,297.59	58.92	81.94	74.38	-29.11	3,934.84	1,994.42	1,920.48	73.94	26.975	
5,700.00	4,872.71	10,752.00	6,297.59	60.23	81.94	74.38	-29.11	3,934.84	1,897.04	1,822.09	74.96	25.308	
5,800.00	4,953.49	10,752.00	6,297.59	61.53	81.94	74.38	-29.11	3,934.84	1,799.95	1,723.87	76.08	23.658	
5,900.00	5,034.27	10,752.00	6,297.59	62.83	81.94	74.38	-29.11	3,934.84	1,703.20	1,625.88	77.32	22.027	
6,000.00	5,115.05	10,752.00	6,297.59	64.14	81.94	74.38	-29.11	3,934.84	1,606.85	1,528.15	78.70	20.416	
6,100.00	5,195.83	10,752.00	6,297.59	65.44	81.94	74.38	-29.11	3,934.84	1,510.97	1,430.72	80.24	18.830	
6,200.00	5,276.61	10,752.00	6,297.59	66.75	81.94	74.38	-29.11	3,934.84	1,415.66	1,333.69	81.97	17.270	
6,300.00	5,357.39	10,752.00	6,297.59	68.05	81.94	74.38	-29.11	3,934.84	1,321.04	1,237.12	83.92	15.741	
6,400.00	5,438.17	10,752.00	6,297.59	69.36	81.94	74.38	-29.11	3,934.84	1,227.28	1,141.15	86.13	14.249	
6,500.00	5,518.95	10,752.00	6,297.59	70.66	81.94	74.38	-29.11	3,934.84	1,134.58	1,045.94	88.65	12.799	
6,600.00	5,599.73	10,752.00	6,297.59	71.97	81.94	74.38	-29.11	3,934.84	1,043.24	951.71	91.53	11.398	
6,700.00	5,680.51	10,752.00	6,297.59	73.27	81.94	74.38	-29.11	3,934.84	953.63	858.80	94.83	10.056	
6,800.00	5,761.29	10,752.00	6,297.59	74.58	81.94	74.38	-29.11	3,934.84	866.30	767.68	98.62	8.784	
6,837.84	5,791.85	10,752.00	6,297.59	75.07	81.94	74.38	-29.11	3,934.84	834.00	733.81	100.19	8.324	
6,850.00	5,801.67	10,752.00	6,297.59	75.23	81.94	76.69	-29.11	3,934.84	823.78	723.07	100.71	8.179	
6,900.00	5,841.80	10,752.00	6,297.59	75.88	81.94	85.45	-29.11	3,934.84	783.90	680.81	103.09	7.604	
6,950.00	5,881.33	10,752.00	6,297.59	76.52	81.94	93.14	-29.11	3,934.84	748.08	642.31	105.76	7.073	
7,000.00	5,919.97	10,752.00	6,297.59	77.14	81.94	99.84	-29.11	3,934.84	717.20	608.58	108.62	6.603	
7,050.00	5,957.41	10,752.00	6,297.59	77.74	81.94	105.59	-29.11	3,934.84	692.20	580.69	111.51	6.208	
7,100.00	5,993.37	10,752.00	6,297.59	78.32	81.94	110.46	-29.11	3,934.84	673.91	559.68	114.23	5.900	
7,150.00	6,027.59	10,752.00	6,297.59	78.86	81.94	114.51	-29.11	3,934.84	663.04	546.46	116.58	5.688	
7,193.73	6,055.87	10,752.00	6,297.59	79.30	81.94	117.44	-29.11	3,934.84	659.98	541.78	118.20	5.584	CC
7,200.00	6,059.79	10,752.00	6,297.59	79.36	81.94	117.82	-29.11	3,934.84	660.04	541.65	118.39	5.575	ES
7,250.00	6,089.73	10,752.00	6,297.59	79.83	81.94	120.44	-29.11	3,934.84	665.04	545.46	119.58	5.562	SF
7,300.00	6,117.20	10,752.00	6,297.59	80.25	81.94	122.44	-29.11	3,934.84	677.82	557.69	120.13	5.642	
7,350.00	6,141.96	10,752.00	6,297.59	80.63	81.94	123.83	-29.11	3,934.84	697.86	577.72	120.14	5.809	
7,400.00	6,163.85	10,752.00	6,297.59	80.98	81.94	124.61	-29.11	3,934.84	724.42	604.68	119.74	6.050	
7,450.00	6,182.69	10,752.00	6,297.59	81.28	81.94	124.74	-29.11	3,934.84	756.61	637.53	119.09	6.354	
7,500.00	6,198.33	10,752.00	6,297.59	81.54	81.94	124.13	-29.11	3,934.84	793.54	675.22	118.31	6.707	
7,550.00	6,210.67	10,752.00	6,297.59	81.77	81.94	122.56	-29.11	3,934.84	834.30	716.78	117.52	7.099	
7,600.00	6,219.60	10,752.00	6,297.59	81.96	81.94	119.66	-29.11	3,934.84	878.07	761.29	116.78	7.519	
7,650.00	6,225.05	10,752.00	6,297.59	82.11	81.94	114.67	-29.11	3,934.84	924.13	808.00	116.12	7.958	
7,702.53	6,227.00	10,752.00	6,297.59	82.24	81.94	105.36	-29.11	3,934.84	974.25	858.70	115.55	8.431	
7,800.00	6,227.00	10,752.00	6,297.59	82.45	81.94	105.36	-29.11	3,934.84	1,068.81	954.13	114.68	9.320	
7,900.00	6,227.00	10,752.00	6,297.59	82.68	81.94	105.36	-29.11	3,934.84	1,166.32	1,052.38	113.93	10.237	
8,000.00	6,227.00	10,752.00	6,297.59	82.93	81.94	105.36	-29.11	3,934.84	1,264.22	1,150.91	113.30	11.158	
8,100.00	6,227.00	10,752.00	6,297.59	83.20	81.94	105.36	-29.11	3,934.84	1,362.42	1,249.65	112.77	12.082	
8,200.00	6,227.00	10,752.00	6,297.59	83.49	81.94	105.36	-29.11	3,934.84	1,460.87	1,348.56	112.31	13.008	
8,300.00	6,227.00	10,752.00	6,297.59	83.80	81.94	105.36	-29.11	3,934.84	1,559.51	1,447.60	111.91	13.936	
8,400.00	6,227.00	10,752.00	6,297.59	84.12	81.94	105.36	-29.11	3,934.84	1,658.32	1,546.75	111.56	14.864	
8,500.00	6,227.00	10,752.00	6,297.59	84.47	81.94	105.36	-29.11	3,934.84	1,757.26	1,646.00	111.26	15.794	
8,600.00	6,227.00	10,752.00	6,297.59	84.83	81.94	105.36	-29.11	3,934.84	1,856.31	1,745.32	110.99	16.725	
8,700.00	6,227.00	10,752.00	6,297.59	85.22	81.94	105.36	-29.11	3,934.84	1,955.46	1,844.71	110.76	17.656	
8,800.00	6,227.00	10,752.00	6,297.59	85.62	81.94	105.36	-29.11	3,934.84	2,054.70	1,944.15	110.54	18.587	
8,900.00	6,227.00	10,752.00	6,297.59	86.05	81.94	105.36	-29.11	3,934.84	2,154.00	2,043.65	110.36	19.519	
9,000.00	6,227.00	10,752.00	6,297.59	86.51	81.94	105.36	-29.11	3,934.84	2,253.37	2,143.18	110.19	20.451	
9,100.00	6,227.00	10,752.00	6,297.59	86.98	81.94	105.36	-29.11	3,934.84	2,352.79	2,242.75	110.03	21.382	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
9,200.00	6,227.00	10,752.00	6,297.59	87.49	81.94	105.36	-29.11	3,934.84	2,452.26	2,342.36	109.90	22.314		
9,300.00	6,227.00	10,752.00	6,297.59	88.01	81.94	105.36	-29.11	3,934.84	2,551.76	2,441.99	109.77	23.246		
9,400.00	6,227.00	10,752.00	6,297.59	88.56	81.94	105.36	-29.11	3,934.84	2,651.31	2,541.65	109.66	24.178		
9,500.00	6,227.00	10,752.00	6,297.59	89.14	81.94	105.36	-29.11	3,934.84	2,750.89	2,641.34	109.55	25.110		
9,600.00	6,227.00	10,752.00	6,297.59	89.75	81.94	105.36	-29.11	3,934.84	2,850.50	2,741.04	109.46	26.042		
9,700.00	6,227.00	10,752.00	6,297.59	90.38	81.94	105.36	-29.11	3,934.84	2,950.13	2,840.76	109.37	26.974		
9,800.00	6,227.00	10,752.00	6,297.59	91.04	81.94	105.36	-29.11	3,934.84	3,049.79	2,940.50	109.29	27.905		
9,900.00	6,227.00	10,752.00	6,297.59	91.73	81.94	105.36	-29.11	3,934.84	3,149.47	3,040.25	109.22	28.837		
10,000.00	6,227.00	10,752.00	6,297.59	92.44	81.94	105.36	-29.11	3,934.84	3,249.17	3,140.02	109.15	29.768		
10,100.00	6,227.00	10,752.00	6,297.59	93.19	81.94	105.36	-29.11	3,934.84	3,348.89	3,239.80	109.09	30.699		
10,200.00	6,227.00	10,752.00	6,297.59	93.96	81.94	105.36	-29.11	3,934.84	3,448.62	3,339.59	109.03	31.630		
10,300.00	6,227.00	10,752.00	6,297.59	94.76	81.94	105.36	-29.11	3,934.84	3,548.37	3,439.39	108.98	32.561		
10,400.00	6,227.00	10,752.00	6,297.59	95.59	81.94	105.36	-29.11	3,934.84	3,648.13	3,539.21	108.93	33.491		
10,500.00	6,227.00	10,752.00	6,297.59	96.45	81.94	105.36	-29.11	3,934.84	3,747.91	3,639.03	108.88	34.422		
10,600.00	6,227.00	10,752.00	6,297.59	97.34	81.94	105.36	-29.11	3,934.84	3,847.69	3,738.85	108.84	35.352		
10,700.00	6,227.00	10,752.00	6,297.59	98.26	81.94	105.36	-29.11	3,934.84	3,947.49	3,838.69	108.80	36.282		
10,800.00	6,227.00	10,752.00	6,297.59	99.20	81.94	105.36	-29.11	3,934.84	4,047.30	3,938.53	108.77	37.211		
10,900.00	6,227.00	10,752.00	6,297.59	100.18	81.94	105.36	-29.11	3,934.84	4,147.12	4,038.38	108.73	38.140		
11,000.00	6,227.00	10,752.00	6,297.59	101.18	81.94	105.36	-29.11	3,934.84	4,246.94	4,138.24	108.70	39.070		
11,100.00	6,227.00	10,752.00	6,297.59	102.20	81.94	105.36	-29.11	3,934.84	4,346.78	4,238.10	108.67	39.998		
11,200.00	6,227.00	10,752.00	6,297.59	103.26	81.94	105.36	-29.11	3,934.84	4,446.62	4,337.97	108.65	40.927		
11,300.00	6,227.00	10,752.00	6,297.59	104.33	81.94	105.36	-29.11	3,934.84	4,546.47	4,437.84	108.62	41.855		
11,400.00	6,227.00	10,752.00	6,297.59	105.44	81.94	105.36	-29.11	3,934.84	4,646.32	4,537.72	108.60	42.783		
11,500.00	6,227.00	10,752.00	6,297.59	106.57	81.94	105.36	-29.11	3,934.84	4,746.18	4,637.60	108.58	43.710		
11,600.00	6,227.00	10,752.00	6,297.59	107.72	81.94	105.36	-29.11	3,934.84	4,846.05	4,737.48	108.56	44.638		
11,700.00	6,227.00	10,752.00	6,297.59	108.89	81.94	105.36	-29.11	3,934.84	4,945.92	4,837.37	108.55	45.564		
11,800.00	6,227.00	10,752.00	6,297.59	110.09	81.94	105.36	-29.11	3,934.84	5,045.80	4,937.26	108.53	46.491		
11,900.00	6,227.00	10,752.00	6,297.59	111.31	81.94	105.36	-29.11	3,934.84	5,145.68	5,037.16	108.52	47.417		
12,000.00	6,227.00	10,752.00	6,297.59	112.54	81.94	105.36	-29.11	3,934.84	5,245.57	5,137.06	108.51	48.343		
12,100.00	6,227.00	10,752.00	6,297.59	113.80	81.94	105.36	-29.11	3,934.84	5,345.46	5,236.96	108.50	49.269		
12,200.00	6,227.00	10,752.00	6,297.59	115.08	81.94	105.36	-29.11	3,934.84	5,445.35	5,336.86	108.49	50.194		
12,300.00	6,227.00	10,752.00	6,297.59	116.37	81.94	105.36	-29.11	3,934.84	5,545.25	5,436.77	108.48	51.119		
12,400.00	6,227.00	10,752.00	6,297.59	117.69	81.94	105.36	-29.11	3,934.84	5,645.15	5,536.68	108.47	52.043		
12,500.00	6,227.00	10,752.00	6,297.59	119.02	81.94	105.36	-29.11	3,934.84	5,745.06	5,636.59	108.46	52.967		
12,600.00	6,227.00	10,752.00	6,297.59	120.36	81.94	105.36	-29.11	3,934.84	5,844.96	5,736.51	108.46	53.891		
12,700.00	6,227.00	10,752.00	6,297.59	121.72	81.94	105.36	-29.11	3,934.84	5,944.88	5,836.42	108.45	54.814		
12,800.00	6,227.00	10,752.00	6,297.59	123.10	81.94	105.36	-29.11	3,934.84	6,044.79	5,936.34	108.45	55.737		
12,900.00	6,227.00	10,752.00	6,297.59	124.49	81.94	105.36	-29.11	3,934.84	6,144.71	6,036.26	108.45	56.660		
13,000.00	6,227.00	10,752.00	6,297.59	125.89	81.94	105.36	-29.11	3,934.84	6,244.63	6,136.18	108.45	57.582		
13,100.00	6,227.00	10,752.00	6,297.59	127.31	81.94	105.36	-29.11	3,934.84	6,344.55	6,236.10	108.45	58.504		
13,200.00	6,227.00	10,752.00	6,297.59	128.74	81.94	105.36	-29.11	3,934.84	6,444.48	6,336.03	108.45	59.425		
13,300.00	6,227.00	10,752.00	6,297.59	130.18	81.94	105.36	-29.11	3,934.84	6,544.40	6,435.95	108.45	60.346		
13,400.00	6,227.00	10,752.00	6,297.59	131.63	81.94	105.36	-29.11	3,934.84	6,644.33	6,535.88	108.45	61.266		
13,500.00	6,227.00	10,752.00	6,297.59	133.09	81.94	105.36	-29.11	3,934.84	6,744.26	6,635.81	108.45	62.186		
13,600.00	6,227.00	10,752.00	6,297.59	134.57	81.94	105.36	-29.11	3,934.84	6,844.20	6,735.74	108.46	63.106		
13,700.00	6,227.00	10,752.00	6,297.59	136.05	81.94	105.36	-29.11	3,934.84	6,944.13	6,835.67	108.46	64.025		
13,800.00	6,227.00	10,752.00	6,297.59	137.54	81.94	105.36	-29.11	3,934.84	7,044.07	6,935.61	108.46	64.943		
13,900.00	6,227.00	10,752.00	6,297.59	139.05	81.94	105.36	-29.11	3,934.84	7,144.01	7,035.54	108.47	65.862		
14,000.00	6,227.00	10,752.00	6,297.59	140.56	81.94	105.36	-29.11	3,934.84	7,243.95	7,135.47	108.48	66.779		
14,100.00	6,227.00	10,752.00	6,297.59	142.07	81.94	105.36	-29.11	3,934.84	7,343.89	7,235.41	108.48	67.697		
14,200.00	6,227.00	10,752.00	6,297.59	143.60	81.94	105.36	-29.11	3,934.84	7,443.84	7,335.35	108.49	68.613		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
14,300.00	6,227.00	10,752.00	6,297.59	145.14	81.94	105.36	-29.11	3,934.84	7,543.78	7,435.28	108.50	69.529		
14,400.00	6,227.00	10,752.00	6,297.59	146.68	81.94	105.36	-29.11	3,934.84	7,643.73	7,535.22	108.51	70.445		
14,500.00	6,227.00	10,752.00	6,297.59	148.23	81.94	105.36	-29.11	3,934.84	7,743.68	7,635.16	108.51	71.360		
14,600.00	6,227.00	10,752.00	6,297.59	149.78	81.94	105.36	-29.11	3,934.84	7,843.63	7,735.10	108.52	72.275		
14,700.00	6,227.00	10,752.00	6,297.59	151.35	81.94	105.36	-29.11	3,934.84	7,943.58	7,835.04	108.53	73.189		
14,800.00	6,227.00	10,752.00	6,297.59	152.91	81.94	105.36	-29.11	3,934.84	8,043.53	7,934.98	108.55	74.103		
14,900.00	6,227.00	10,752.00	6,297.59	154.49	81.94	105.36	-29.11	3,934.84	8,143.48	8,034.93	108.56	75.016		
15,000.00	6,227.00	10,752.00	6,297.59	156.07	81.94	105.36	-29.11	3,934.84	8,243.44	8,134.87	108.57	75.929		
15,100.00	6,227.00	10,752.00	6,297.59	157.65	81.94	105.36	-29.11	3,934.84	8,343.39	8,234.81	108.58	76.841		
15,200.00	6,227.00	10,752.00	6,297.59	159.24	81.94	105.36	-29.11	3,934.84	8,443.35	8,334.76	108.59	77.753		
15,300.00	6,227.00	10,752.00	6,297.59	160.84	81.94	105.36	-29.11	3,934.84	8,543.31	8,434.70	108.61	78.664		
15,400.00	6,227.00	10,752.00	6,297.59	162.44	81.94	105.36	-29.11	3,934.84	8,643.26	8,534.64	108.62	79.574		
15,500.00	6,227.00	10,752.00	6,297.59	164.05	81.94	105.36	-29.11	3,934.84	8,743.22	8,634.59	108.63	80.484		
15,600.00	6,227.00	10,752.00	6,297.59	165.66	81.94	105.36	-29.11	3,934.84	8,843.18	8,734.54	108.65	81.393		
15,700.00	6,227.00	10,752.00	6,297.59	167.27	81.94	105.36	-29.11	3,934.84	8,943.14	8,834.48	108.66	82.302		
15,800.00	6,227.00	10,752.00	6,297.59	168.89	81.94	105.36	-29.11	3,934.84	9,043.11	8,934.43	108.68	83.210		
15,900.00	6,227.00	10,752.00	6,297.59	170.51	81.94	105.36	-29.11	3,934.84	9,143.07	9,034.38	108.69	84.118		
16,000.00	6,227.00	10,752.00	6,297.59	172.14	81.94	105.36	-29.11	3,934.84	9,243.03	9,134.32	108.71	85.025		
16,100.00	6,227.00	10,752.00	6,297.59	173.77	81.94	105.36	-29.11	3,934.84	9,343.00	9,234.27	108.73	85.931		
16,200.00	6,227.00	10,752.00	6,297.59	175.40	81.94	105.36	-29.11	3,934.84	9,442.96	9,334.22	108.74	86.837		
16,300.00	6,227.00	10,752.00	6,297.59	177.04	81.94	105.36	-29.11	3,934.84	9,542.93	9,434.17	108.76	87.742		
16,400.00	6,227.00	10,752.00	6,297.59	178.68	81.94	105.36	-29.11	3,934.84	9,642.90	9,534.12	108.78	88.647		
16,500.00	6,227.00	10,752.00	6,297.59	180.32	81.94	105.36	-29.11	3,934.84	9,742.86	9,634.07	108.80	89.551		
16,600.00	6,227.00	10,752.00	6,297.59	181.96	81.94	105.36	-29.11	3,934.84	9,842.83	9,734.02	108.82	90.454		
16,700.00	6,227.00	10,752.00	6,297.59	183.61	81.94	105.36	-29.11	3,934.84	9,942.80	9,833.96	108.83	91.357		
16,800.00	6,227.00	10,752.00	6,297.59	185.27	81.94	105.36	-29.11	3,934.84	10,042.77	9,933.91	108.85	92.259		



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
0.00	0.00	0.00	0.00	0.00	0.00	0.64	99.82	1.11	100.23				
100.00	100.00	91.27	91.27	0.27	0.14	0.64	99.70	1.11	99.70	99.29	0.41	242.603	
200.00	200.00	191.58	191.58	0.63	0.42	0.69	99.27	1.20	99.28	98.23	1.05	94.398	
300.00	299.98	291.10	291.10	0.98	0.78	-84.25	98.80	1.67	98.62	96.87	1.76	56.167	
400.00	399.84	390.91	390.91	1.34	1.13	-87.04	98.80	2.10	98.21	95.75	2.46	39.857	
500.00	499.45	491.43	491.42	1.71	1.49	-92.16	98.32	2.18	97.67	94.48	3.19	30.618	
541.38	540.57	532.58	532.57	1.87	1.63	-94.92	97.89	2.14	97.53	94.03	3.50	27.896 CC	
600.00	598.70	590.60	590.59	2.10	1.84	-99.32	97.30	2.19	97.88	93.95	3.93	24.917 ES	
700.00	697.47	688.01	687.99	2.51	2.18	-107.36	97.34	2.97	101.32	96.65	4.68	21.673	
800.00	795.62	784.67	784.59	2.95	2.51	-114.94	99.86	5.12	109.64	104.21	5.43	20.191	
900.00	893.06	882.62	882.30	3.44	2.86	-121.19	105.21	9.37	122.51	116.30	6.21	19.736	
1,000.00	989.64	983.02	982.26	3.96	3.21	-126.44	111.45	16.37	137.45	130.44	7.01	19.599 SF	
1,100.00	1,085.27	1,081.57	1,080.34	4.54	3.58	-131.43	116.69	24.44	154.17	146.34	7.83	19.698	
1,200.00	1,179.82	1,177.97	1,176.14	5.16	3.94	-135.62	122.93	33.13	174.38	165.74	8.64	20.178	
1,300.00	1,273.17	1,272.51	1,270.07	5.85	4.30	-139.31	129.72	41.47	198.55	189.09	9.45	21.003	
1,400.00	1,365.21	1,367.12	1,364.21	6.59	4.65	-143.01	135.75	48.63	226.81	216.56	10.25	22.118	
1,500.00	1,455.84	1,456.19	1,452.89	7.40	4.99	-146.16	141.39	54.59	259.42	248.40	11.02	23.540	
1,600.00	1,544.94	1,543.97	1,540.30	8.28	5.32	-148.75	148.02	59.35	297.11	285.33	11.78	25.222	
1,700.00	1,632.39	1,634.36	1,630.39	9.23	5.66	-151.26	154.09	63.36	338.80	326.25	12.55	26.996	
1,800.00	1,718.11	1,733.79	1,729.51	10.25	6.03	-153.74	159.94	68.52	383.11	369.73	13.38	28.633	
1,900.00	1,801.97	1,828.61	1,823.80	11.35	6.40	-155.66	165.13	77.01	427.37	413.18	14.19	30.111	
2,005.96	1,888.70	1,915.14	1,909.79	12.60	6.74	-156.99	171.05	84.66	478.28	463.29	14.99	31.913	
2,100.00	1,964.66	1,986.96	1,981.15	13.75	7.02	-158.21	177.01	90.24	526.26	510.60	15.66	33.600	
2,200.00	2,045.44	2,060.64	2,054.34	14.99	7.30	-159.18	184.16	94.72	579.12	562.76	16.36	35.403	
2,300.00	2,126.22	2,135.07	2,128.31	16.24	7.59	-160.01	191.67	97.98	633.57	616.52	17.06	37.147	
2,400.00	2,207.00	2,214.67	2,207.55	17.50	7.89	-160.86	198.89	100.55	688.93	671.14	17.79	38.731	
2,500.00	2,287.78	2,312.36	2,304.92	18.77	8.26	-161.92	205.85	104.08	743.82	725.17	18.65	39.875	
2,600.00	2,368.56	2,423.47	2,415.69	20.04	8.68	-163.10	211.13	110.92	796.40	776.80	19.60	40.638	
2,700.00	2,449.34	2,536.91	2,528.62	21.31	9.11	-164.29	213.73	121.27	846.33	825.81	20.52	41.239	
2,800.00	2,530.12	2,628.37	2,619.47	22.59	9.46	-165.14	215.40	131.65	894.41	873.11	21.31	41.981	
2,900.00	2,610.90	2,698.99	2,689.61	23.88	9.74	-165.63	218.16	139.36	943.25	921.28	21.97	42.938	
3,000.00	2,691.68	2,772.88	2,763.07	25.16	10.03	-166.02	222.49	146.06	993.85	971.19	22.66	43.859	
3,100.00	2,772.46	2,859.41	2,849.13	26.45	10.37	-166.45	227.34	153.64	1,044.77	1,021.33	23.45	44.560	
3,200.00	2,853.23	2,942.69	2,931.94	27.74	10.69	-166.81	232.28	161.00	1,095.71	1,071.50	24.21	45.256	
3,300.00	2,934.01	3,019.16	3,008.02	29.03	10.99	-167.11	236.87	167.27	1,147.22	1,122.29	24.92	46.029	
3,400.00	3,014.79	3,090.00	3,078.50	30.32	11.27	-167.35	241.50	172.57	1,199.43	1,173.84	25.59	46.868	
3,500.00	3,095.57	3,163.90	3,152.06	31.61	11.55	-167.57	246.71	177.36	1,252.54	1,226.25	26.29	47.651	
3,600.00	3,176.35	3,274.56	3,262.19	32.91	11.98	-167.85	254.69	184.66	1,305.62	1,278.33	27.29	47.841	
3,700.00	3,257.13	3,349.20	3,336.38	34.20	12.28	-168.00	260.66	190.14	1,358.04	1,330.04	28.00	48.495	
3,800.00	3,337.91	3,422.79	3,409.48	35.50	12.57	-168.09	267.48	195.15	1,411.03	1,382.31	28.72	49.137	
3,900.00	3,418.69	3,487.98	3,474.23	36.80	12.82	-168.14	274.11	198.98	1,464.86	1,435.51	29.36	49.899	
4,000.00	3,499.47	3,565.34	3,551.12	38.09	13.12	-168.20	281.83	202.48	1,519.78	1,489.68	30.10	50.487	
4,100.00	3,580.25	3,683.43	3,668.62	39.39	13.58	-168.38	291.46	209.06	1,573.78	1,542.58	31.20	50.449	
4,200.00	3,661.03	3,766.93	3,751.71	40.69	13.91	-168.53	297.45	214.81	1,626.59	1,594.61	31.98	50.865	
4,300.00	3,741.81	3,864.75	3,849.01	41.99	14.29	-168.67	304.96	221.50	1,679.50	1,646.61	32.89	51.064	
4,400.00	3,822.58	3,965.50	3,949.07	43.29	14.69	-168.77	313.58	229.53	1,731.47	1,697.63	33.84	51.172	
4,500.00	3,903.36	4,054.00	4,036.89	44.59	15.05	-168.84	321.46	237.18	1,782.87	1,748.19	34.68	51.404	
4,600.00	3,984.14	4,122.32	4,104.69	45.89	15.33	-168.89	327.63	242.82	1,834.65	1,799.29	35.36	51.888	
4,700.00	4,064.92	4,210.39	4,192.12	47.20	15.68	-168.93	335.94	249.45	1,887.05	1,850.85	36.21	52.119	
4,800.00	4,145.70	4,305.52	4,286.54	48.50	16.07	-168.99	344.59	257.11	1,938.98	1,901.87	37.11	52.245	
4,900.00	4,226.48	4,398.11	4,378.55	49.80	16.44	-169.10	351.46	264.87	1,990.56	1,952.58	37.98	52.406	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,000.00	4,307.26	4,468.58	4,448.57	51.10	16.72	-169.16	356.91	270.68	2,042.27	2,003.60	38.67	52.816	
5,100.00	4,388.04	4,590.83	4,570.01	52.40	17.21	-169.27	366.58	280.91	2,094.02	2,054.22	39.79	52.623	
5,200.00	4,468.82	4,645.85	4,624.61	53.71	17.43	-169.31	371.24	285.69	2,145.31	2,104.96	40.35	53.161	
5,300.00	4,549.60	4,707.40	4,685.78	55.01	17.68	-169.35	376.34	290.35	2,197.62	2,156.66	40.96	53.647	
5,400.00	4,630.38	4,776.03	4,754.05	56.31	17.95	-169.41	381.59	294.84	2,250.77	2,209.14	41.63	54.069	
5,500.00	4,711.16	4,892.00	4,869.47	57.62	18.40	-169.52	389.81	302.65	2,303.83	2,261.13	42.70	53.957	
5,600.00	4,791.93	5,018.41	4,995.12	58.92	18.90	-169.66	398.18	313.60	2,355.07	2,311.23	43.85	53.713	
5,700.00	4,872.71	5,082.93	5,059.25	60.23	19.16	-169.72	402.34	319.38	2,406.14	2,361.67	44.47	54.101	
5,800.00	4,953.49	5,169.21	5,145.04	61.53	19.50	-169.80	408.11	326.51	2,457.82	2,412.53	45.29	54.272	
5,900.00	5,034.27	5,255.51	5,230.80	62.83	19.85	-169.87	414.19	333.97	2,509.18	2,463.08	46.10	54.425	
6,000.00	5,115.05	5,330.57	5,305.37	64.14	20.15	-169.91	420.10	340.27	2,560.80	2,513.96	46.83	54.681	
6,100.00	5,195.83	5,406.42	5,380.69	65.44	20.45	-169.94	426.59	346.31	2,612.80	2,565.22	47.57	54.924	
6,200.00	5,276.61	5,462.00	5,435.89	66.75	20.68	-169.96	431.52	350.62	2,665.13	2,617.00	48.13	55.371	
6,300.00	5,357.39	5,514.36	5,487.98	68.05	20.88	-169.99	435.52	354.05	2,718.46	2,669.81	48.65	55.879	
6,400.00	5,438.17	5,550.00	5,523.53	69.36	21.02	-170.03	437.46	355.71	2,773.24	2,724.24	49.00	56.596	
6,500.00	5,518.95	5,620.16	5,593.58	70.66	21.27	-170.13	440.51	358.16	2,828.88	2,779.24	49.64	56.983	
6,600.00	5,599.73	5,638.00	5,611.39	71.97	21.33	-170.15	441.25	358.70	2,885.57	2,835.76	49.81	57.930	
6,700.00	5,680.51	5,691.51	5,664.87	73.27	21.51	-170.24	442.98	359.45	2,943.20	2,892.91	50.28	58.533	
6,800.00	5,761.29	5,725.00	5,698.35	74.58	21.63	-170.30	443.60	359.08	3,002.46	2,951.90	50.56	59.380	
6,837.84	5,791.85	5,796.89	5,770.23	75.07	21.85	-170.46	444.07	358.19	3,025.01	2,973.83	51.19	59.098	
6,850.00	5,801.67	5,831.05	5,804.39	75.23	21.95	-168.03	443.94	358.18	3,032.11	2,980.63	51.48	58.902	
6,900.00	5,841.80	5,813.00	5,786.34	75.88	21.90	-157.76	444.04	358.15	3,061.41	3,010.10	51.31	59.665	
6,950.00	5,881.33	5,853.29	5,826.58	76.52	22.01	-148.36	442.34	357.80	3,090.11	3,038.50	51.62	59.868	
7,000.00	5,919.97	5,870.40	5,843.61	77.14	22.05	-139.55	440.67	357.46	3,118.54	3,066.82	51.72	60.298	
7,050.00	5,957.41	5,900.00	5,872.89	77.74	22.13	-131.72	436.48	356.57	3,146.45	3,094.54	51.90	60.623	
7,100.00	5,993.37	5,900.00	5,872.89	78.32	22.13	-124.32	436.48	356.57	3,173.46	3,121.61	51.85	61.205	
7,150.00	6,027.59	5,900.00	5,872.89	78.86	22.13	-117.69	436.48	356.57	3,199.69	3,147.91	51.78	61.791	
7,200.00	6,059.79	5,900.00	5,872.89	79.36	22.13	-111.81	436.48	356.57	3,224.97	3,173.27	51.70	62.378	
7,250.00	6,089.73	6,217.20	6,163.20	79.83	22.70	-112.58	317.64	357.17	3,247.69	3,194.33	53.36	60.862	
7,300.00	6,117.20	6,217.49	6,163.44	80.25	22.70	-108.07	317.46	357.18	3,269.46	3,216.14	53.32	61.316	
7,350.00	6,141.96	6,216.44	6,162.60	80.63	22.70	-104.08	318.09	357.13	3,290.16	3,236.89	53.27	61.763	
7,400.00	6,163.85	6,214.16	6,160.78	80.98	22.70	-100.59	319.47	357.00	3,309.65	3,256.44	53.21	62.199	
7,450.00	6,182.69	6,210.76	6,158.06	81.28	22.69	-97.55	321.50	356.80	3,327.79	3,274.65	53.15	62.617	
7,500.00	6,198.33	6,206.34	6,154.51	81.54	22.69	-94.96	324.11	356.53	3,344.46	3,291.38	53.08	63.008	
7,550.00	6,210.67	6,201.01	6,150.20	81.77	22.68	-92.78	327.24	356.20	3,359.54	3,306.52	53.02	63.363	
7,600.00	6,219.60	6,166.00	6,121.30	81.96	22.64	-90.54	346.82	353.66	3,373.34	3,320.53	52.80	63.883	
7,650.00	6,225.05	6,166.00	6,121.30	82.11	22.64	-89.27	346.82	353.66	3,384.76	3,331.95	52.81	64.097	
7,702.53	6,227.00	5,943.48	5,915.46	82.24	22.23	-84.83	427.89	354.59	3,393.37	3,342.23	51.14	66.356	
7,800.00	6,227.00	5,936.88	5,909.04	82.45	22.21	-84.72	429.35	354.95	3,409.01	3,357.87	51.14	66.662	
7,900.00	6,227.00	5,900.00	5,872.89	82.68	22.13	-84.10	436.48	356.57	3,428.30	3,377.35	50.95	67.289	
8,000.00	6,227.00	5,900.00	5,872.89	82.93	22.13	-84.10	436.48	356.57	3,449.72	3,398.52	51.20	67.377	
8,100.00	6,227.00	5,900.00	5,872.89	83.20	22.13	-84.10	436.48	356.57	3,473.89	3,422.35	51.54	67.397	
8,200.00	6,227.00	5,900.00	5,872.89	83.49	22.13	-84.10	436.48	356.57	3,500.75	3,448.78	51.97	67.361	
8,300.00	6,227.00	5,900.00	5,872.89	83.80	22.13	-84.10	436.48	356.57	3,530.24	3,477.77	52.47	67.282	
8,400.00	6,227.00	5,900.00	5,872.89	84.12	22.13	-84.10	436.48	356.57	3,562.30	3,509.26	53.03	67.171	
8,500.00	6,227.00	5,900.00	5,872.89	84.47	22.13	-84.10	436.48	356.57	3,596.84	3,543.19	53.65	67.040	
8,600.00	6,227.00	5,900.00	5,872.89	84.83	22.13	-84.10	436.48	356.57	3,633.82	3,579.50	54.32	66.901	
8,700.00	6,227.00	5,900.00	5,872.89	85.22	22.13	-84.10	436.48	356.57	3,673.14	3,618.13	55.02	66.764	
8,800.00	6,227.00	5,900.00	5,872.89	85.62	22.13	-84.10	436.48	356.57	3,714.74	3,659.00	55.75	66.637	
8,900.00	6,227.00	5,900.00	5,872.89	86.05	22.13	-84.10	436.48	356.57	3,758.55	3,702.05	56.50	66.527	
9,000.00	6,227.00	5,900.00	5,872.89	86.51	22.13	-84.10	436.48	356.57	3,804.47	3,747.21	57.26	66.440	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,100.00	6,227.00	5,900.00	5,872.89	86.98	22.13	-84.10	436.48	356.57	3,852.45	3,794.41	58.04	66.380	
9,200.00	6,227.00	5,900.00	5,872.89	87.49	22.13	-84.10	436.48	356.57	3,902.40	3,843.58	58.81	66.352	
9,300.00	6,227.00	5,900.00	5,872.89	88.01	22.13	-84.10	436.48	356.57	3,954.24	3,894.65	59.59	66.356	
9,400.00	6,227.00	5,900.00	5,872.89	88.56	22.13	-84.10	436.48	356.57	4,007.92	3,947.55	60.36	66.396	
9,500.00	6,227.00	5,900.00	5,872.89	89.14	22.13	-84.10	436.48	356.57	4,063.34	4,002.21	61.13	66.471	
9,600.00	6,227.00	5,900.00	5,872.89	89.75	22.13	-84.10	436.48	356.57	4,120.45	4,058.56	61.88	66.582	
9,700.00	6,227.00	5,900.00	5,872.89	90.38	22.13	-84.10	436.48	356.57	4,179.17	4,116.54	62.63	66.730	
9,800.00	6,227.00	5,900.00	5,872.89	91.04	22.13	-84.10	436.48	356.57	4,239.43	4,176.07	63.36	66.913	
9,900.00	6,227.00	5,900.00	5,872.89	91.73	22.13	-84.10	436.48	356.57	4,301.18	4,237.11	64.07	67.132	
10,000.00	6,227.00	5,900.00	5,872.89	92.44	22.13	-84.10	436.48	356.57	4,364.34	4,299.57	64.77	67.384	
10,100.00	6,227.00	5,900.00	5,872.89	93.19	22.13	-84.10	436.48	356.57	4,428.86	4,363.41	65.45	67.670	
10,200.00	6,227.00	5,900.00	5,872.89	93.96	22.13	-84.10	436.48	356.57	4,494.68	4,428.57	66.11	67.988	
10,300.00	6,227.00	5,900.00	5,872.89	94.76	22.13	-84.10	436.48	356.57	4,561.74	4,494.99	66.75	68.336	
10,400.00	6,227.00	5,900.00	5,872.89	95.59	22.13	-84.10	436.48	356.57	4,629.99	4,562.61	67.38	68.714	
10,500.00	6,227.00	5,861.24	5,834.50	96.45	22.03	-83.45	441.63	357.66	4,697.99	4,630.33	67.67	69.429	
10,600.00	6,227.00	5,860.16	5,833.42	97.34	22.03	-83.43	441.74	357.68	4,768.38	4,700.13	68.25	69.865	
10,700.00	6,227.00	5,859.12	5,832.39	98.26	22.02	-83.41	441.83	357.70	4,839.81	4,770.99	68.82	70.326	
10,800.00	6,227.00	5,858.13	5,831.40	99.20	22.02	-83.40	441.92	357.72	4,912.23	4,842.86	69.37	70.812	
10,900.00	6,227.00	5,857.18	5,830.45	100.18	22.02	-83.38	442.01	357.74	4,985.60	4,915.70	69.90	71.322	
11,000.00	6,227.00	5,856.26	5,829.54	101.18	22.02	-83.37	442.09	357.75	5,059.89	4,989.47	70.42	71.853	
11,100.00	6,227.00	5,855.38	5,828.67	102.20	22.01	-83.35	442.16	357.77	5,135.04	5,064.12	70.92	72.406	
11,200.00	6,227.00	5,854.53	5,827.82	103.26	22.01	-83.34	442.24	357.78	5,211.03	5,139.63	71.40	72.980	
11,300.00	6,227.00	5,853.72	5,827.01	104.33	22.01	-83.32	442.30	357.80	5,287.82	5,215.95	71.87	73.572	
11,400.00	6,227.00	5,852.93	5,826.23	105.44	22.01	-83.31	442.37	357.81	5,365.37	5,293.05	72.33	74.183	
11,500.00	6,227.00	5,813.00	5,786.34	106.57	21.90	-82.63	444.04	358.15	5,445.15	5,372.66	72.49	75.120	
11,600.00	6,227.00	5,813.00	5,786.34	107.72	21.90	-82.63	444.04	358.15	5,524.08	5,451.16	72.92	75.756	
11,700.00	6,227.00	5,813.00	5,786.34	108.89	21.90	-82.63	444.04	358.15	5,603.69	5,530.35	73.34	76.408	
11,800.00	6,227.00	5,813.00	5,786.34	110.09	21.90	-82.63	444.04	358.15	5,683.94	5,610.19	73.74	77.076	
11,900.00	6,227.00	5,813.00	5,786.34	111.31	21.90	-82.63	444.04	358.15	5,764.81	5,690.67	74.14	77.758	
12,000.00	6,227.00	5,813.00	5,786.34	112.54	21.90	-82.63	444.04	358.15	5,846.27	5,771.75	74.52	78.455	
12,100.00	6,227.00	5,813.00	5,786.34	113.80	21.90	-82.63	444.04	358.15	5,928.29	5,853.41	74.89	79.164	
12,200.00	6,227.00	5,813.00	5,786.34	115.08	21.90	-82.63	444.04	358.15	6,010.86	5,935.62	75.24	79.887	
12,300.00	6,227.00	5,813.00	5,786.34	116.37	21.90	-82.63	444.04	358.15	6,093.96	6,018.37	75.59	80.621	
12,400.00	6,227.00	5,813.00	5,786.34	117.69	21.90	-82.63	444.04	358.15	6,177.55	6,101.63	75.92	81.367	
12,500.00	6,227.00	5,813.00	5,786.34	119.02	21.90	-82.63	444.04	358.15	6,261.63	6,185.38	76.25	82.124	
12,600.00	6,227.00	5,813.00	5,786.34	120.36	21.90	-82.63	444.04	358.15	6,346.17	6,269.61	76.56	82.891	
12,700.00	6,227.00	5,813.00	5,786.34	121.72	21.90	-82.63	444.04	358.15	6,431.15	6,354.28	76.86	83.668	
12,800.00	6,227.00	5,813.00	5,786.34	123.10	21.90	-82.63	444.04	358.15	6,516.55	6,439.39	77.16	84.455	
12,900.00	6,227.00	5,813.00	5,786.34	124.49	21.90	-82.63	444.04	358.15	6,602.37	6,524.92	77.45	85.250	
13,000.00	6,227.00	5,813.00	5,786.34	125.89	21.90	-82.63	444.04	358.15	6,688.58	6,610.86	77.73	86.054	
13,100.00	6,227.00	5,813.00	5,786.34	127.31	21.90	-82.63	444.04	358.15	6,775.17	6,697.18	78.00	86.867	
13,200.00	6,227.00	5,813.00	5,786.34	128.74	21.90	-82.63	444.04	358.15	6,862.13	6,783.87	78.26	87.686	
13,300.00	6,227.00	5,813.00	5,786.34	130.18	21.90	-82.63	444.04	358.15	6,949.43	6,870.92	78.51	88.514	
13,400.00	6,227.00	5,813.00	5,786.34	131.63	21.90	-82.63	444.04	358.15	7,037.08	6,958.32	78.76	89.348	
13,500.00	6,227.00	5,813.00	5,786.34	133.09	21.90	-82.63	444.04	358.15	7,125.05	7,046.05	79.00	90.189	
13,600.00	6,227.00	5,813.00	5,786.34	134.57	21.90	-82.63	444.04	358.15	7,213.33	7,134.09	79.24	91.036	
13,700.00	6,227.00	5,813.00	5,786.34	136.05	21.90	-82.63	444.04	358.15	7,301.91	7,222.45	79.46	91.890	
13,800.00	6,227.00	5,813.00	5,786.34	137.54	21.90	-82.63	444.04	358.15	7,390.79	7,311.10	79.69	92.749	
13,900.00	6,227.00	5,813.00	5,786.34	139.05	21.90	-82.63	444.04	358.15	7,479.95	7,400.05	79.90	93.614	
14,000.00	6,227.00	5,813.00	5,786.34	140.56	21.90	-82.63	444.04	358.15	7,569.38	7,489.26	80.11	94.484	
14,100.00	6,227.00	5,813.00	5,786.34	142.07	21.90	-82.63	444.04	358.15	7,659.07	7,578.75	80.32	95.359	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE F11-J14-36HNC - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 129-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,200.00	6,227.00	5,813.00	5,786.34	143.60	21.90	-82.63	444.04	358.15	7,749.01	7,668.49	80.52	96.239	
14,300.00	6,227.00	5,813.00	5,786.34	145.14	21.90	-82.63	444.04	358.15	7,839.19	7,758.48	80.71	97.123	
14,400.00	6,227.00	5,813.00	5,786.34	146.68	21.90	-82.63	444.04	358.15	7,929.61	7,848.71	80.90	98.012	
14,500.00	6,227.00	5,813.00	5,786.34	148.23	21.90	-82.63	444.04	358.15	8,020.26	7,939.17	81.09	98.905	
14,600.00	6,227.00	5,813.00	5,786.34	149.78	21.90	-82.63	444.04	358.15	8,111.13	8,029.86	81.27	99.802	
14,700.00	6,227.00	5,813.00	5,786.34	151.35	21.90	-82.63	444.04	358.15	8,202.21	8,120.76	81.45	100.703	
14,800.00	6,227.00	5,813.00	5,786.34	152.91	21.90	-82.63	444.04	358.15	8,293.50	8,211.87	81.62	101.607	
14,900.00	6,227.00	5,813.00	5,786.34	154.49	21.90	-82.63	444.04	358.15	8,384.98	8,303.19	81.79	102.515	
15,000.00	6,227.00	5,813.00	5,786.34	156.07	21.90	-82.63	444.04	358.15	8,476.66	8,394.70	81.96	103.426	
15,100.00	6,227.00	5,813.00	5,786.34	157.65	21.90	-82.63	444.04	358.15	8,568.52	8,486.40	82.12	104.340	
15,200.00	6,227.00	5,813.00	5,786.34	159.24	21.90	-82.63	444.04	358.15	8,660.57	8,578.29	82.28	105.257	
15,300.00	6,227.00	5,813.00	5,786.34	160.84	21.90	-82.63	444.04	358.15	8,752.79	8,670.35	82.44	106.177	
15,400.00	6,227.00	5,813.00	5,786.34	162.44	21.90	-82.63	444.04	358.15	8,845.17	8,762.59	82.59	107.099	
15,500.00	6,227.00	5,813.00	5,786.34	164.05	21.90	-82.63	444.04	358.15	8,937.73	8,854.99	82.74	108.024	
15,600.00	6,227.00	5,813.00	5,786.34	165.66	21.90	-82.63	444.04	358.15	9,030.44	8,947.55	82.88	108.952	
15,700.00	6,227.00	5,813.00	5,786.34	167.27	21.90	-82.63	444.04	358.15	9,123.30	9,040.27	83.03	109.882	
15,800.00	6,227.00	5,813.00	5,786.34	168.89	21.90	-82.63	444.04	358.15	9,216.31	9,133.14	83.17	110.814	
15,900.00	6,227.00	5,813.00	5,786.34	170.51	21.90	-82.63	444.04	358.15	9,309.47	9,226.16	83.31	111.748	
16,000.00	6,227.00	5,813.00	5,786.34	172.14	21.90	-82.63	444.04	358.15	9,402.77	9,319.33	83.44	112.684	
16,100.00	6,227.00	5,813.00	5,786.34	173.77	21.90	-82.63	444.04	358.15	9,496.21	9,412.63	83.58	113.622	
16,200.00	6,227.00	5,813.00	5,786.34	175.40	21.90	-82.63	444.04	358.15	9,589.77	9,506.06	83.71	114.561	
16,300.00	6,227.00	5,813.00	5,786.34	177.04	21.90	-82.63	444.04	358.15	9,683.47	9,599.63	83.84	115.503	
16,400.00	6,227.00	5,813.00	5,786.34	178.68	21.90	-82.63	444.04	358.15	9,777.29	9,693.33	83.96	116.446	
16,500.00	6,227.00	5,813.00	5,786.34	180.32	21.90	-82.63	444.04	358.15	9,871.23	9,787.14	84.09	117.390	
16,600.00	6,227.00	5,813.00	5,786.34	181.96	21.90	-82.63	444.04	358.15	9,965.29	9,881.08	84.21	118.336	
16,700.00	6,227.00	5,813.00	5,786.34	183.61	21.90	-82.63	444.04	358.15	10,059.47	9,975.14	84.33	119.283	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
0.00	0.00	0.00	0.00	0.00	0.00	0.60	79.42	0.84	79.93				
100.00	100.00	91.18	91.18	0.27	0.14	0.64	79.31	0.89	79.32	78.91	0.41	193.848	
200.00	200.00	191.11	191.11	0.63	0.44	0.80	79.08	1.11	79.09	78.03	1.07	74.253	
300.00	299.98	291.33	291.33	0.98	0.79	-84.47	78.87	1.39	78.70	76.92	1.77	44.388	
400.00	399.84	391.34	391.33	1.34	1.14	-88.51	78.27	1.14	77.79	75.31	2.48	31.363	
463.47	463.10	454.42	454.42	1.57	1.37	-92.60	77.88	0.75	77.48	74.55	2.94	26.393 CC	
500.00	499.45	490.65	490.64	1.71	1.49	-95.39	77.72	0.54	77.61	74.42	3.20	24.274 ES	
600.00	598.70	590.20	590.19	2.10	1.84	-104.17	77.34	0.54	79.34	75.40	3.93	20.172	
700.00	697.47	690.02	689.98	2.51	2.19	-113.18	77.17	2.75	83.33	78.65	4.68	17.795	
800.00	795.62	790.42	790.22	2.95	2.55	-121.25	77.39	8.35	89.29	83.84	5.44	16.398	
900.00	893.06	890.91	890.27	3.44	2.91	-127.86	78.54	17.63	97.08	90.86	6.22	15.606	
1,000.00	989.64	990.26	988.75	3.96	3.28	-132.70	81.47	30.36	106.82	99.81	7.01	15.228 SF	
1,100.00	1,085.27	1,089.79	1,086.97	4.54	3.67	-136.06	87.26	45.38	119.65	111.82	7.84	15.270	
1,200.00	1,179.82	1,188.57	1,184.14	5.16	4.07	-138.98	93.88	61.82	134.67	125.99	8.68	15.516	
1,300.00	1,273.17	1,285.61	1,279.57	5.85	4.48	-141.83	101.02	77.94	153.05	143.52	9.53	16.064	
1,400.00	1,365.21	1,384.11	1,376.24	6.59	4.91	-144.32	109.29	94.89	174.53	164.13	10.40	16.784	
1,500.00	1,455.84	1,481.94	1,472.12	7.40	5.35	-146.66	117.47	112.53	198.41	187.14	11.27	17.605	
1,600.00	1,544.94	1,576.76	1,565.07	8.28	5.78	-148.86	125.34	129.57	225.50	213.37	12.13	18.591	
1,700.00	1,632.39	1,672.85	1,659.33	9.23	6.22	-151.09	132.80	146.64	255.85	242.87	12.98	19.706	
1,800.00	1,718.11	1,768.74	1,753.29	10.25	6.67	-153.07	140.19	164.32	288.88	275.04	13.84	20.872	
1,900.00	1,801.97	1,860.37	1,842.88	11.35	7.10	-154.57	148.26	181.75	324.96	310.26	14.70	22.113	
2,005.96	1,888.70	1,958.13	1,938.50	12.60	7.57	-156.07	156.73	200.22	366.75	351.15	15.60	23.504	
2,100.00	1,964.66	2,046.19	2,024.62	13.75	8.00	-157.60	163.88	217.20	405.12	388.70	16.41	24.683	
2,200.00	2,045.44	2,139.12	2,115.39	14.99	8.46	-158.94	171.16	235.70	445.49	428.22	17.27	25.797	
2,300.00	2,126.22	2,226.62	2,200.87	16.24	8.89	-159.94	178.45	252.94	486.29	468.19	18.10	26.865	
2,400.00	2,207.00	2,315.73	2,287.96	17.50	9.32	-160.78	186.23	270.12	527.67	508.72	18.95	27.844	
2,500.00	2,287.78	2,405.30	2,375.54	18.77	9.76	-161.50	194.10	287.16	569.38	549.57	19.81	28.749	
2,600.00	2,368.56	2,494.91	2,463.23	20.04	10.20	-162.17	201.59	304.02	611.28	590.62	20.66	29.591	
2,700.00	2,449.34	2,584.72	2,551.01	21.31	10.65	-162.63	210.39	320.86	653.50	631.96	21.53	30.349	
2,800.00	2,530.12	2,677.71	2,641.79	22.59	11.11	-163.02	219.71	338.70	695.38	672.94	22.44	30.986	
2,900.00	2,610.90	2,765.29	2,727.44	23.88	11.54	-163.42	227.71	355.14	737.55	714.26	23.30	31.661	
3,000.00	2,691.68	2,862.41	2,822.53	25.16	12.02	-163.90	235.55	373.30	779.70	755.49	24.21	32.208	
3,100.00	2,772.46	2,949.71	2,907.89	26.45	12.45	-164.34	241.82	390.46	820.89	795.86	25.04	32.789	
3,200.00	2,853.23	3,024.51	2,981.44	27.74	12.81	-164.78	246.11	403.37	864.07	838.33	25.74	33.566	
3,300.00	2,934.01	3,117.60	3,072.90	29.03	13.25	-165.21	252.34	419.53	907.35	880.75	26.60	34.111	
3,400.00	3,014.79	3,206.43	3,160.40	30.32	13.66	-165.71	256.46	434.28	951.17	923.77	27.40	34.717	
3,500.00	3,095.57	3,310.32	3,262.55	31.61	14.14	-166.31	260.09	452.83	993.73	965.43	28.30	35.116	
3,600.00	3,176.35	3,403.49	3,353.84	32.91	14.60	-166.59	266.80	470.19	1,036.04	1,006.87	29.18	35.511	
3,700.00	3,257.13	3,495.43	3,443.80	34.20	15.05	-166.80	274.00	487.74	1,078.00	1,047.94	30.06	35.864	
3,800.00	3,337.91	3,591.14	3,537.36	35.50	15.53	-166.96	282.31	506.15	1,119.91	1,088.93	30.98	36.145	
3,900.00	3,418.69	3,693.92	3,637.78	36.80	16.05	-167.18	289.94	526.65	1,161.08	1,129.13	31.95	36.341	
4,000.00	3,499.47	3,774.15	3,716.24	38.09	16.45	-167.40	294.76	542.69	1,202.10	1,169.38	32.72	36.737	
4,100.00	3,580.25	3,864.44	3,804.59	39.39	16.90	-167.60	301.08	560.18	1,243.78	1,210.20	33.58	37.036	
4,200.00	3,661.03	3,956.55	3,894.70	40.69	17.36	-167.78	307.55	578.18	1,285.31	1,250.85	34.46	37.299	
4,300.00	3,741.81	4,047.55	3,983.73	41.99	17.82	-167.95	313.69	595.97	1,326.82	1,291.50	35.33	37.560	
4,400.00	3,822.58	4,125.41	4,059.89	43.29	18.21	-168.06	319.75	610.94	1,368.73	1,332.63	36.10	37.920	
4,500.00	3,903.36	4,225.89	4,158.24	44.59	18.71	-168.19	327.76	629.88	1,411.01	1,373.95	37.06	38.077	
4,600.00	3,984.14	4,303.16	4,233.83	45.89	19.09	-168.27	334.14	644.59	1,453.13	1,415.30	37.83	38.415	
4,700.00	4,064.92	4,393.03	4,321.82	47.20	19.54	-168.34	342.00	661.13	1,495.85	1,457.14	38.71	38.643	
4,800.00	4,145.70	4,497.53	4,424.08	48.50	20.06	-168.44	350.64	680.85	1,538.12	1,498.41	39.71	38.731	
4,900.00	4,226.48	4,587.97	4,512.55	49.80	20.51	-168.54	357.57	698.28	1,579.99	1,539.40	40.59	38.927	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,000.00	4,307.26	4,703.02	4,624.83	51.10	21.10	-168.65	366.48	721.73	1,620.75	1,579.08	41.68	38.889	
5,100.00	4,388.04	4,786.01	4,705.72	52.40	21.53	-168.69	373.79	738.78	1,661.51	1,619.00	42.51	39.085	
5,200.00	4,468.82	4,868.56	4,786.29	53.71	21.95	-168.75	380.54	755.44	1,702.58	1,659.25	43.33	39.293	
5,300.00	4,549.60	4,934.00	4,850.33	55.01	22.28	-168.82	385.27	768.00	1,744.55	1,700.56	43.99	39.658	
5,400.00	4,630.38	5,011.50	4,926.41	56.31	22.66	-168.93	390.12	782.00	1,787.48	1,742.75	44.73	39.960	
5,500.00	4,711.16	5,125.20	5,038.13	57.62	23.20	-169.17	394.90	802.51	1,830.31	1,784.56	45.75	40.007	
5,600.00	4,791.93	5,208.15	5,119.60	58.92	23.59	-169.34	397.92	817.80	1,872.76	1,826.25	46.51	40.267	
5,700.00	4,872.71	5,287.00	5,197.02	60.23	23.97	-169.47	401.78	832.24	1,915.42	1,868.17	47.25	40.539	
5,800.00	4,953.49	5,356.07	5,264.85	61.53	24.30	-169.54	406.46	844.40	1,958.88	1,910.95	47.92	40.875	
5,900.00	5,034.27	5,476.40	5,382.99	62.83	24.88	-169.61	416.08	865.16	2,002.75	1,953.68	49.07	40.815	
6,000.00	5,115.05	5,579.93	5,484.26	64.14	25.40	-169.63	425.14	884.62	2,045.12	1,995.04	50.08	40.838	
6,100.00	5,195.83	5,663.66	5,566.13	65.44	25.82	-169.64	432.88	900.41	2,087.48	2,036.56	50.92	40.995	
6,200.00	5,276.61	5,753.79	5,654.23	66.75	26.27	-169.64	441.64	917.24	2,130.02	2,078.20	51.82	41.102	
6,300.00	5,357.39	5,816.00	5,715.07	68.05	26.59	-169.65	447.37	928.93	2,172.65	2,120.18	52.47	41.410	
6,400.00	5,438.17	5,873.15	5,771.31	69.36	26.83	-169.76	449.12	938.71	2,216.56	2,163.57	52.99	41.833	
6,500.00	5,518.95	6,099.91	5,990.27	70.66	27.62	-171.47	408.02	975.34	2,261.26	2,207.08	54.19	41.731	
6,600.00	5,599.73	6,144.24	6,030.40	71.97	27.75	-172.03	390.89	983.07	2,302.17	2,247.77	54.40	42.315	
6,700.00	5,680.51	6,276.27	6,140.09	73.27	28.02	-174.14	321.05	1,003.80	2,344.21	2,289.52	54.70	42.856	
6,800.00	5,761.29	6,338.50	6,185.18	74.58	28.12	-175.32	279.26	1,013.28	2,386.43	2,331.55	54.88	43.486	
6,837.84	5,791.85	6,343.00	6,188.26	75.07	28.13	-175.41	276.05	1,013.94	2,402.96	2,348.05	54.91	43.762	
6,850.00	5,801.67	6,343.00	6,188.26	75.23	28.13	-173.15	276.05	1,013.94	2,408.38	2,353.46	54.91	43.857	
6,900.00	5,841.80	6,370.98	6,207.04	75.88	28.16	-164.60	255.68	1,017.81	2,430.81	2,375.81	55.00	44.200	
6,950.00	5,881.33	6,382.58	6,214.65	76.52	28.17	-156.07	247.05	1,019.31	2,453.85	2,398.82	55.03	44.595	
7,000.00	5,919.97	6,391.59	6,220.48	77.14	28.18	-148.02	240.27	1,020.43	2,477.29	2,422.26	55.03	45.013	
7,050.00	5,957.41	6,398.13	6,224.67	77.74	28.19	-140.50	235.32	1,021.23	2,501.00	2,445.98	55.02	45.454	
7,100.00	5,993.37	6,402.33	6,227.35	78.32	28.20	-133.56	232.11	1,021.73	2,524.82	2,469.83	54.99	45.913	
7,150.00	6,027.59	6,404.36	6,228.63	78.86	28.20	-127.20	230.56	1,021.97	2,548.60	2,493.66	54.94	46.387	
7,200.00	6,059.79	6,404.38	6,228.64	79.36	28.20	-121.40	230.55	1,021.97	2,572.16	2,517.29	54.88	46.873	
7,250.00	6,089.73	6,402.54	6,227.48	79.83	28.20	-116.12	231.95	1,021.75	2,595.34	2,540.55	54.80	47.364	
7,300.00	6,117.20	6,399.01	6,225.23	80.25	28.19	-111.36	234.64	1,021.33	2,617.97	2,563.26	54.70	47.856	
7,350.00	6,141.96	6,393.94	6,221.99	80.63	28.19	-107.07	238.50	1,020.72	2,639.87	2,585.26	54.61	48.343	
7,400.00	6,163.85	6,387.46	6,217.81	80.98	28.18	-103.25	243.39	1,019.92	2,660.87	2,606.36	54.51	48.816	
7,450.00	6,182.69	6,379.71	6,212.78	81.28	28.17	-99.87	249.19	1,018.94	2,680.81	2,626.40	54.41	49.269	
7,500.00	6,198.33	6,370.82	6,206.94	81.54	28.16	-96.92	255.80	1,017.79	2,699.55	2,645.22	54.33	49.692	
7,550.00	6,210.67	6,343.00	6,188.26	81.77	28.13	-94.05	276.05	1,013.94	2,717.07	2,662.98	54.09	50.232	
7,600.00	6,219.60	6,343.00	6,188.26	81.96	28.13	-92.13	276.05	1,013.94	2,732.81	2,678.67	54.13	50.482	
7,650.00	6,225.05	6,343.00	6,188.26	82.11	28.13	-90.58	276.05	1,013.94	2,747.04	2,692.81	54.23	50.657	
7,702.53	6,227.00	6,343.00	6,188.26	82.24	28.13	-89.36	276.05	1,013.94	2,760.27	2,705.88	54.39	50.751	
7,800.00	6,227.00	6,296.58	6,155.30	82.45	28.05	-88.66	307.96	1,006.99	2,783.75	2,729.48	54.28	51.289	
7,900.00	6,227.00	6,255.00	6,123.70	82.68	27.99	-88.00	334.16	1,000.38	2,810.88	2,756.62	54.26	51.801	
8,000.00	6,227.00	6,255.00	6,123.70	82.93	27.99	-88.00	334.16	1,000.38	2,840.49	2,785.64	54.85	51.785	
8,100.00	6,227.00	6,222.41	6,097.58	83.20	27.92	-87.45	352.93	995.14	2,872.86	2,817.77	55.09	52.146	
8,200.00	6,227.00	6,199.93	6,078.88	83.49	27.87	-87.06	364.88	991.62	2,907.87	2,852.34	55.53	52.368	
8,300.00	6,227.00	6,167.00	6,050.53	83.80	27.81	-86.46	380.87	986.61	2,945.57	2,889.71	55.86	52.732	
8,400.00	6,227.00	6,167.00	6,050.53	84.12	27.81	-86.46	380.87	986.61	2,985.70	2,928.97	56.73	52.630	
8,500.00	6,227.00	6,167.00	6,050.53	84.47	27.81	-86.46	380.87	986.61	3,028.60	2,970.95	57.65	52.536	
8,600.00	6,227.00	6,167.00	6,050.53	84.83	27.81	-86.46	380.87	986.61	3,074.16	3,015.56	58.60	52.459	
8,700.00	6,227.00	6,167.00	6,050.53	85.22	27.81	-86.46	380.87	986.61	3,122.25	3,062.68	59.58	52.408	
8,800.00	6,227.00	6,129.68	6,017.35	85.62	27.71	-85.78	396.86	980.65	3,171.63	3,111.64	59.99	52.871	
8,900.00	6,227.00	6,122.24	6,010.63	86.05	27.68	-85.64	399.78	979.37	3,223.94	3,163.07	60.87	52.968	
9,000.00	6,227.00	6,115.24	6,004.28	86.51	27.67	-85.51	402.45	978.13	3,278.38	3,216.63	61.75	53.092	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,100.00	6,227.00	6,078.00	5,970.04	86.98	27.56	-84.80	415.31	971.14	3,335.65	3,273.48	62.17	53.654	
9,200.00	6,227.00	6,078.00	5,970.04	87.49	27.56	-84.80	415.31	971.14	3,393.77	3,330.63	63.14	53.749	
9,300.00	6,227.00	6,078.00	5,970.04	88.01	27.56	-84.80	415.31	971.14	3,453.82	3,389.72	64.10	53.885	
9,400.00	6,227.00	6,078.00	5,970.04	88.56	27.56	-84.80	415.31	971.14	3,515.68	3,450.65	65.03	54.062	
9,500.00	6,227.00	6,078.00	5,970.04	89.14	27.56	-84.80	415.31	971.14	3,579.26	3,513.32	65.94	54.280	
9,600.00	6,227.00	6,078.00	5,970.04	89.75	27.56	-84.80	415.31	971.14	3,644.49	3,577.66	66.83	54.536	
9,700.00	6,227.00	6,078.00	5,970.04	90.38	27.56	-84.80	415.31	971.14	3,711.26	3,643.57	67.69	54.830	
9,800.00	6,227.00	6,078.00	5,970.04	91.04	27.56	-84.80	415.31	971.14	3,779.49	3,710.98	68.52	55.160	
9,900.00	6,227.00	6,078.00	5,970.04	91.73	27.56	-84.80	415.31	971.14	3,849.12	3,779.80	69.32	55.525	
10,000.00	6,227.00	6,078.00	5,970.04	92.44	27.56	-84.80	415.31	971.14	3,920.06	3,849.96	70.10	55.922	
10,100.00	6,227.00	6,078.00	5,970.04	93.19	27.56	-84.80	415.31	971.14	3,992.24	3,921.40	70.85	56.350	
10,200.00	6,227.00	6,042.74	5,936.92	93.96	27.45	-84.13	425.37	964.46	4,064.86	3,993.74	71.12	57.152	
10,300.00	6,227.00	6,037.67	5,932.10	94.76	27.43	-84.03	426.64	963.55	4,139.10	4,067.33	71.76	57.677	
10,400.00	6,227.00	6,032.93	5,927.58	95.59	27.41	-83.94	427.80	962.70	4,214.37	4,141.98	72.38	58.224	
10,500.00	6,227.00	6,028.49	5,923.33	96.45	27.40	-83.85	428.84	961.92	4,290.62	4,217.64	72.98	58.792	
10,600.00	6,227.00	5,990.00	5,886.16	97.34	27.27	-83.10	436.50	955.59	4,368.56	4,295.39	73.17	59.708	
10,700.00	6,227.00	5,990.00	5,886.16	98.26	27.27	-83.10	436.50	955.59	4,446.48	4,372.71	73.77	60.271	
10,800.00	6,227.00	5,990.00	5,886.16	99.20	27.27	-83.10	436.50	955.59	4,525.28	4,450.92	74.36	60.856	
10,900.00	6,227.00	5,990.00	5,886.16	100.18	27.27	-83.10	436.50	955.59	4,604.90	4,529.97	74.92	61.461	
11,000.00	6,227.00	5,990.00	5,886.16	101.18	27.27	-83.10	436.50	955.59	4,685.29	4,609.83	75.46	62.086	
11,100.00	6,227.00	5,990.00	5,886.16	102.20	27.27	-83.10	436.50	955.59	4,766.43	4,690.45	75.99	62.729	
11,200.00	6,227.00	5,990.00	5,886.16	103.26	27.27	-83.10	436.50	955.59	4,848.28	4,771.79	76.49	63.388	
11,300.00	6,227.00	5,990.00	5,886.16	104.33	27.27	-83.10	436.50	955.59	4,930.79	4,853.83	76.97	64.064	
11,400.00	6,227.00	5,990.00	5,886.16	105.44	27.27	-83.10	436.50	955.59	5,013.95	4,936.52	77.43	64.755	
11,500.00	6,227.00	5,990.00	5,886.16	106.57	27.27	-83.10	436.50	955.59	5,097.70	5,019.83	77.87	65.460	
11,600.00	6,227.00	5,990.00	5,886.16	107.72	27.27	-83.10	436.50	955.59	5,182.04	5,103.73	78.30	66.179	
11,700.00	6,227.00	5,990.00	5,886.16	108.89	27.27	-83.10	436.50	955.59	5,266.92	5,188.20	78.72	66.910	
11,800.00	6,227.00	5,990.00	5,886.16	110.09	27.27	-83.10	436.50	955.59	5,352.32	5,273.21	79.11	67.654	
11,900.00	6,227.00	5,990.00	5,886.16	111.31	27.27	-83.10	436.50	955.59	5,438.22	5,358.72	79.50	68.408	
12,000.00	6,227.00	5,990.00	5,886.16	112.54	27.27	-83.10	436.50	955.59	5,524.60	5,444.73	79.87	69.173	
12,100.00	6,227.00	5,990.00	5,886.16	113.80	27.27	-83.10	436.50	955.59	5,611.42	5,531.20	80.22	69.949	
12,200.00	6,227.00	5,990.00	5,886.16	115.08	27.27	-83.10	436.50	955.59	5,698.68	5,618.12	80.57	70.734	
12,300.00	6,227.00	5,990.00	5,886.16	116.37	27.27	-83.10	436.50	955.59	5,786.36	5,705.46	80.90	71.528	
12,400.00	6,227.00	5,990.00	5,886.16	117.69	27.27	-83.10	436.50	955.59	5,874.42	5,793.21	81.22	72.330	
12,500.00	6,227.00	5,990.00	5,886.16	119.02	27.27	-83.10	436.50	955.59	5,962.86	5,881.34	81.53	73.141	
12,600.00	6,227.00	5,990.00	5,886.16	120.36	27.27	-83.10	436.50	955.59	6,051.67	5,969.84	81.83	73.959	
12,700.00	6,227.00	5,990.00	5,886.16	121.72	27.27	-83.10	436.50	955.59	6,140.81	6,058.70	82.11	74.784	
12,800.00	6,227.00	5,990.00	5,886.16	123.10	27.27	-83.10	436.50	955.59	6,230.29	6,147.90	82.39	75.616	
12,900.00	6,227.00	5,990.00	5,886.16	124.49	27.27	-83.10	436.50	955.59	6,320.08	6,237.42	82.66	76.455	
13,000.00	6,227.00	5,990.00	5,886.16	125.89	27.27	-83.10	436.50	955.59	6,410.18	6,327.25	82.93	77.300	
13,100.00	6,227.00	5,951.75	5,848.78	127.31	27.13	-82.35	442.17	949.83	6,499.90	6,417.02	82.88	78.424	
13,200.00	6,227.00	5,949.57	5,846.63	128.74	27.13	-82.30	442.46	949.51	6,590.48	6,507.37	83.11	79.294	
13,300.00	6,227.00	5,947.44	5,844.55	130.18	27.12	-82.26	442.73	949.20	6,681.33	6,597.99	83.34	80.170	
13,400.00	6,227.00	5,945.39	5,842.53	131.63	27.11	-82.22	442.99	948.90	6,772.43	6,688.87	83.56	81.049	
13,500.00	6,227.00	5,943.39	5,840.57	133.09	27.10	-82.18	443.23	948.61	6,863.78	6,780.00	83.77	81.934	
13,600.00	6,227.00	5,941.45	5,838.67	134.57	27.10	-82.14	443.47	948.33	6,955.36	6,871.38	83.98	82.822	
13,700.00	6,227.00	5,939.57	5,836.82	136.05	27.09	-82.11	443.70	948.06	7,047.16	6,962.98	84.18	83.714	
13,800.00	6,227.00	5,902.00	5,799.81	137.54	26.96	-81.37	447.52	942.86	7,139.77	7,055.65	84.12	84.876	
13,900.00	6,227.00	5,902.00	5,799.81	139.05	26.96	-81.37	447.52	942.86	7,231.94	7,147.62	84.33	85.762	
14,000.00	6,227.00	5,902.00	5,799.81	140.56	26.96	-81.37	447.52	942.86	7,324.32	7,239.80	84.53	86.651	
14,100.00	6,227.00	5,902.00	5,799.81	142.07	26.96	-81.37	447.52	942.86	7,416.90	7,332.18	84.72	87.544	

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE F21-J24-36HNC - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 120-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,200.00	6,227.00	5,902.00	5,799.81	143.60	26.96	-81.37	447.52	942.86	7,509.67	7,424.76	84.91	88.440	
14,300.00	6,227.00	5,902.00	5,799.81	145.14	26.96	-81.37	447.52	942.86	7,602.62	7,517.52	85.10	89.339	
14,400.00	6,227.00	5,902.00	5,799.81	146.68	26.96	-81.37	447.52	942.86	7,695.75	7,610.47	85.28	90.242	
14,500.00	6,227.00	5,902.00	5,799.81	148.23	26.96	-81.37	447.52	942.86	7,789.05	7,703.60	85.46	91.147	
14,600.00	6,227.00	5,902.00	5,799.81	149.78	26.96	-81.37	447.52	942.86	7,882.52	7,796.89	85.63	92.055	
14,700.00	6,227.00	5,902.00	5,799.81	151.35	26.96	-81.37	447.52	942.86	7,976.14	7,890.34	85.80	92.966	
14,800.00	6,227.00	5,902.00	5,799.81	152.91	26.96	-81.37	447.52	942.86	8,069.91	7,983.95	85.96	93.879	
14,900.00	6,227.00	5,902.00	5,799.81	154.49	26.96	-81.37	447.52	942.86	8,163.84	8,077.71	86.12	94.794	
15,000.00	6,227.00	5,902.00	5,799.81	156.07	26.96	-81.37	447.52	942.86	8,257.90	8,171.62	86.28	95.712	
15,100.00	6,227.00	5,902.00	5,799.81	157.65	26.96	-81.37	447.52	942.86	8,352.11	8,265.67	86.43	96.632	
15,200.00	6,227.00	5,902.00	5,799.81	159.24	26.96	-81.37	447.52	942.86	8,446.44	8,359.86	86.58	97.553	
15,300.00	6,227.00	5,902.00	5,799.81	160.84	26.96	-81.37	447.52	942.86	8,540.91	8,454.18	86.73	98.477	
15,400.00	6,227.00	5,902.00	5,799.81	162.44	26.96	-81.37	447.52	942.86	8,635.50	8,548.62	86.87	99.402	
15,500.00	6,227.00	5,902.00	5,799.81	164.05	26.96	-81.37	447.52	942.86	8,730.21	8,643.19	87.02	100.329	
15,600.00	6,227.00	5,902.00	5,799.81	165.66	26.96	-81.37	447.52	942.86	8,825.04	8,737.88	87.15	101.258	
15,700.00	6,227.00	5,902.00	5,799.81	167.27	26.96	-81.37	447.52	942.86	8,919.98	8,832.69	87.29	102.187	
15,800.00	6,227.00	5,902.00	5,799.81	168.89	26.96	-81.37	447.52	942.86	9,015.03	8,927.60	87.42	103.119	
15,900.00	6,227.00	5,902.00	5,799.81	170.51	26.96	-81.37	447.52	942.86	9,110.18	9,022.63	87.55	104.051	
16,000.00	6,227.00	5,902.00	5,799.81	172.14	26.96	-81.37	447.52	942.86	9,205.44	9,117.76	87.68	104.985	
16,100.00	6,227.00	5,902.00	5,799.81	173.77	26.96	-81.37	447.52	942.86	9,300.80	9,212.99	87.81	105.920	
16,200.00	6,227.00	5,902.00	5,799.81	175.40	26.96	-81.37	447.52	942.86	9,396.26	9,308.32	87.93	106.856	
16,300.00	6,227.00	5,902.00	5,799.81	177.04	26.96	-81.37	447.52	942.86	9,491.80	9,403.75	88.06	107.792	
16,400.00	6,227.00	5,902.00	5,799.81	178.68	26.96	-81.37	447.52	942.86	9,587.44	9,499.27	88.18	108.730	
16,500.00	6,227.00	5,902.00	5,799.81	180.32	26.96	-81.37	447.52	942.86	9,683.17	9,594.88	88.29	109.669	
16,600.00	6,227.00	5,902.00	5,799.81	181.96	26.96	-81.37	447.52	942.86	9,778.98	9,690.57	88.41	110.608	
16,700.00	6,227.00	5,902.00	5,799.81	183.61	26.96	-81.37	447.52	942.86	9,874.88	9,786.35	88.53	111.548	
16,800.00	6,227.00	5,902.00	5,799.81	185.27	26.96	-81.37	447.52	942.86	9,970.86	9,882.22	88.64	112.489	
16,900.00	6,227.00	5,902.00	5,799.81	186.92	26.96	-81.37	447.52	942.86	10,066.91	9,978.16	88.75	113.430	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE F-J-36HNB - OWB - FINAL SURVEY												Offset Well Error:	0.00 usft
Survey Program: 87-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	0.00	0.00	0.00	0.00	-68.77	46.99	-120.95	130.22				
100.00	100.00	88.75	88.75	0.27	0.14	-68.63	47.31	-120.92	129.84	129.44	0.40	321.228 CC	
200.00	200.00	188.71	188.70	0.63	0.49	-68.37	47.93	-120.90	130.05	128.93	1.12	116.036 ES	
300.00	299.98	288.57	288.56	0.98	0.85	-152.72	48.44	-120.98	131.87	130.03	1.83	72.006	
400.00	399.84	388.33	388.32	1.34	1.21	-153.49	48.98	-121.15	136.89	134.34	2.54	53.789	
500.00	499.45	488.31	488.31	1.71	1.57	-154.72	49.65	-121.17	144.98	141.72	3.26	44.410	
600.00	598.70	588.51	588.49	2.10	1.92	-156.31	50.25	-120.79	155.92	151.94	3.99	39.125	
700.00	697.47	688.29	688.28	2.51	2.27	-158.11	50.65	-119.81	169.55	164.85	4.71	36.020	
800.00	795.62	787.27	787.24	2.95	2.62	-159.89	51.24	-118.36	186.16	180.73	5.43	34.275	
900.00	893.06	885.09	885.05	3.44	2.96	-161.69	51.66	-116.82	206.06	199.90	6.16	33.465	
1,000.00	989.64	982.21	982.15	3.96	3.31	-163.33	52.36	-115.21	229.37	222.48	6.89	33.303 SF	
1,100.00	1,085.27	1,083.63	1,083.51	4.54	3.67	-164.65	54.12	-112.53	255.34	247.70	7.64	33.423	
1,200.00	1,179.82	1,187.32	1,186.99	5.16	4.05	-165.53	57.36	-106.77	282.08	273.67	8.41	33.545	
1,300.00	1,273.17	1,291.33	1,290.55	5.85	4.43	-166.16	61.56	-97.98	309.49	300.30	9.19	33.681	
1,400.00	1,365.21	1,394.23	1,392.67	6.59	4.82	-166.58	66.63	-86.54	337.73	327.76	9.98	33.851	
1,500.00	1,455.84	1,488.54	1,486.10	7.40	5.18	-166.75	72.64	-75.11	368.45	357.70	10.75	34.262	
1,600.00	1,544.94	1,583.27	1,579.86	8.28	5.55	-166.83	79.73	-63.57	402.45	390.91	11.55	34.856	
1,700.00	1,632.39	1,688.40	1,683.77	9.23	5.98	-166.99	87.54	-49.72	438.77	426.38	12.39	35.417	
1,800.00	1,718.11	1,797.00	1,790.42	10.25	6.44	-167.12	95.99	-31.06	474.42	461.16	13.26	35.784	
1,900.00	1,801.97	1,896.19	1,887.37	11.35	6.87	-167.13	104.66	-12.00	511.48	497.37	14.11	36.241	
2,005.96	1,888.70	1,995.00	1,983.86	12.60	7.32	-167.33	111.93	7.95	553.09	538.08	15.00	36.867	
2,100.00	1,964.66	2,078.75	2,065.74	13.75	7.70	-167.77	117.11	24.76	591.62	575.85	15.77	37.512	
2,200.00	2,045.44	2,175.67	2,160.58	14.99	8.15	-168.20	123.32	43.79	633.07	616.45	16.62	38.081	
2,300.00	2,126.22	2,275.55	2,257.84	16.24	8.62	-168.51	130.41	65.34	672.71	655.21	17.50	38.432	
2,400.00	2,207.00	2,364.00	2,344.03	17.50	9.05	-168.76	136.57	84.24	712.59	694.25	18.34	38.856	
2,500.00	2,287.78	2,452.31	2,430.17	18.77	9.48	-168.99	142.73	102.71	752.90	733.72	19.17	39.265	
2,600.00	2,368.56	2,570.00	2,544.48	20.04	10.07	-169.10	152.76	128.77	792.27	772.09	20.18	39.256	
2,700.00	2,449.34	2,667.80	2,638.35	21.31	10.59	-168.91	164.56	153.55	828.65	807.52	21.13	39.216	
2,800.00	2,530.12	2,749.74	2,717.19	22.59	11.03	-168.76	174.57	173.53	865.97	843.97	22.00	39.362	
2,900.00	2,610.90	2,831.50	2,796.24	23.88	11.47	-168.71	183.36	192.41	904.44	881.59	22.85	39.579	
3,000.00	2,691.68	2,912.98	2,875.40	25.16	11.89	-168.76	190.83	210.23	943.98	920.30	23.69	39.855	
3,100.00	2,772.46	2,988.00	2,948.39	26.45	12.27	-168.77	198.19	225.90	984.55	960.07	24.47	40.230	
3,200.00	2,853.23	3,067.73	3,026.23	27.74	12.66	-168.81	205.69	241.44	1,026.35	1,001.07	25.28	40.601	
3,300.00	2,934.01	3,143.25	3,100.31	29.03	13.03	-168.91	211.72	254.85	1,069.63	1,043.60	26.04	41.077	
3,400.00	3,014.79	3,222.31	3,177.97	30.32	13.40	-169.00	218.36	268.05	1,113.91	1,087.09	26.82	41.531	
3,500.00	3,095.57	3,334.98	3,288.52	31.61	13.94	-169.06	228.72	287.17	1,158.05	1,130.18	27.87	41.550	
3,600.00	3,176.35	3,504.99	3,453.60	32.91	14.83	-168.99	246.63	323.44	1,198.38	1,169.03	29.34	40.838	
3,700.00	3,257.13	3,660.41	3,601.61	34.20	15.75	-168.68	267.49	365.95	1,232.94	1,202.20	30.74	40.107	
3,800.00	3,337.91	3,727.43	3,665.09	35.50	16.17	-168.52	277.23	385.09	1,266.26	1,234.68	31.59	40.088	
3,900.00	3,418.69	3,811.68	3,745.29	36.80	16.68	-168.35	288.99	408.07	1,300.89	1,268.36	32.53	39.988	
4,000.00	3,499.47	3,897.01	3,826.80	38.09	17.18	-168.24	299.73	430.91	1,335.97	1,302.50	33.47	39.918	
4,100.00	3,580.25	3,975.01	3,901.63	39.39	17.64	-168.18	308.71	451.01	1,371.95	1,337.62	34.33	39.958	
4,200.00	3,661.03	4,050.16	3,974.03	40.69	18.06	-168.16	316.76	469.49	1,409.03	1,373.86	35.16	40.073	
4,300.00	3,741.81	4,126.00	4,047.38	41.99	18.49	-168.16	324.55	487.10	1,447.33	1,411.35	35.98	40.224	
4,400.00	3,822.58	4,238.51	4,156.09	43.29	19.12	-168.13	336.73	513.39	1,485.58	1,448.49	37.09	40.054	
4,500.00	3,903.36	4,309.38	4,224.44	44.59	19.51	-168.10	344.93	530.20	1,523.58	1,485.70	37.88	40.218	
4,600.00	3,984.14	4,379.00	4,291.95	45.89	19.89	-168.08	352.70	545.38	1,563.25	1,524.60	38.65	40.443	
4,700.00	4,064.92	4,449.21	4,360.71	47.20	20.26	-168.09	359.81	559.68	1,604.19	1,564.79	39.40	40.715	
4,800.00	4,145.70	4,523.36	4,432.77	48.50	20.64	-168.15	366.13	574.08	1,645.97	1,605.81	40.16	40.987	
4,900.00	4,226.48	4,598.87	4,497.96	49.80	20.96	-168.21	371.58	586.13	1,688.91	1,648.08	40.84	41.357	
5,000.00	4,307.26	4,658.36	4,565.24	51.10	21.29	-168.28	377.29	597.60	1,733.11	1,691.58	41.52	41.738	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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
5,100.00	4,388.04	4,731.18	4,636.93	52.40	21.63	-168.36	382.99	609.04	1,778.23	1,735.99	42.24	42.102	
5,200.00	4,468.82	4,799.31	4,704.15	53.71	21.93	-168.45	387.82	619.04	1,824.24	1,781.35	42.89	42.532	
5,300.00	4,549.60	4,864.06	4,768.19	55.01	22.21	-168.55	391.79	627.70	1,871.36	1,827.86	43.50	43.020	
5,400.00	4,630.38	4,923.08	4,826.69	56.31	22.45	-168.67	394.93	634.78	1,919.67	1,875.63	44.04	43.592	
5,500.00	4,711.16	4,978.73	4,881.99	57.62	22.67	-168.78	397.60	640.54	1,969.37	1,924.84	44.53	44.226	
5,600.00	4,791.93	5,034.34	4,937.32	58.92	22.88	-168.91	399.98	645.41	2,020.44	1,975.43	45.01	44.892	
5,700.00	4,872.71	5,090.43	4,993.24	60.23	23.08	-169.04	401.92	649.49	2,072.76	2,027.29	45.47	45.583	
5,800.00	4,953.49	5,138.00	5,040.71	61.53	23.25	-169.17	403.17	652.31	2,126.31	2,080.46	45.84	46.381	
5,900.00	5,034.27	5,215.15	5,117.74	62.83	23.51	-169.37	405.06	656.08	2,180.65	2,134.15	46.50	46.899	
6,000.00	5,115.05	5,281.64	5,184.14	64.14	23.72	-169.53	406.88	658.82	2,235.65	2,188.60	47.05	47.520	
6,100.00	5,195.83	5,345.47	5,247.93	65.44	23.92	-169.69	408.41	660.92	2,291.34	2,243.78	47.57	48.171	
6,200.00	5,276.61	5,390.00	5,292.43	66.75	24.06	-169.81	409.24	662.05	2,347.84	2,299.95	47.89	49.025	
6,300.00	5,357.39	5,458.88	5,361.30	68.05	24.26	-169.99	410.08	663.05	2,405.11	2,356.67	48.44	49.653	
6,400.00	5,438.17	5,517.00	5,419.42	69.36	24.42	-170.15	410.33	663.04	2,463.46	2,414.58	48.88	50.401	
6,500.00	5,518.95	5,593.95	5,496.37	70.66	24.62	-170.37	410.42	662.60	2,522.31	2,472.82	49.49	50.965	
6,600.00	5,599.73	5,680.55	5,582.96	71.97	24.85	-170.60	410.36	662.31	2,580.99	2,530.80	50.20	51.416	
6,700.00	5,680.51	5,765.87	5,668.27	73.27	25.07	-170.87	408.51	662.14	2,639.54	2,588.67	50.88	51.879	
6,800.00	5,761.29	5,836.00	5,738.30	74.58	25.24	-171.14	404.97	661.95	2,698.14	2,646.75	51.40	52.497	
6,837.84	5,791.85	5,853.51	5,755.74	75.07	25.28	-171.22	403.40	661.78	2,720.50	2,669.00	51.50	52.824	
6,850.00	5,801.67	5,860.04	5,762.23	75.23	25.30	-168.71	402.72	661.70	2,727.70	2,676.16	51.54	52.922	
6,900.00	5,841.80	5,887.18	5,789.15	75.88	25.36	-158.65	399.33	661.29	2,757.23	2,705.54	51.70	53.336	
6,950.00	5,881.33	5,911.69	5,813.32	76.52	25.41	-149.16	395.29	660.81	2,786.49	2,734.69	51.81	53.787	
7,000.00	5,919.97	5,932.00	5,833.21	77.14	25.45	-140.36	391.22	660.30	2,815.35	2,763.48	51.86	54.283	
7,050.00	5,957.41	5,948.08	5,848.86	77.74	25.47	-132.30	387.56	659.82	2,843.69	2,791.81	51.87	54.819	
7,100.00	5,993.37	5,965.00	5,865.23	78.32	25.50	-125.08	383.31	659.22	2,871.38	2,819.51	51.88	55.351	
7,150.00	6,027.59	5,965.00	5,865.23	78.86	25.50	-118.34	383.31	659.22	2,898.30	2,846.56	51.74	56.015	
7,200.00	6,059.79	5,981.68	5,881.25	79.36	25.53	-112.67	378.74	658.51	2,924.25	2,872.53	51.72	56.543	
7,250.00	6,089.73	5,996.00	5,894.92	79.83	25.55	-107.66	374.52	657.82	2,949.18	2,897.51	51.67	57.077	
7,300.00	6,117.20	5,996.00	5,894.92	80.25	25.55	-103.00	374.52	657.82	2,972.87	2,921.36	51.51	57.714	
7,350.00	6,141.96	5,996.00	5,894.92	80.63	25.55	-98.94	374.52	657.82	2,995.25	2,943.90	51.35	58.332	
7,400.00	6,163.85	5,996.00	5,894.92	80.98	25.55	-95.43	374.52	657.82	3,016.19	2,965.00	51.19	58.924	
7,450.00	6,182.69	5,996.00	5,894.92	81.28	25.55	-92.42	374.52	657.82	3,035.56	2,984.52	51.04	59.480	
7,500.00	6,198.33	5,996.00	5,894.92	81.54	25.55	-89.90	374.52	657.82	3,053.24	3,002.34	50.90	59.987	
7,550.00	6,210.67	5,996.00	5,894.92	81.77	25.55	-87.81	374.52	657.82	3,069.12	3,018.34	50.78	60.435	
7,600.00	6,219.60	5,996.00	5,894.92	81.96	25.55	-86.15	374.52	657.82	3,083.12	3,032.42	50.70	60.811	
7,650.00	6,225.05	5,996.00	5,894.92	82.11	25.55	-84.88	374.52	657.82	3,095.15	3,044.50	50.65	61.104	
7,702.53	6,227.00	5,996.00	5,894.92	82.24	25.55	-83.97	374.52	657.82	3,105.60	3,054.95	50.66	61.308	
7,800.00	6,227.00	5,982.00	5,881.56	82.45	25.53	-83.72	378.65	658.50	3,124.24	3,073.61	50.63	61.705	
7,900.00	6,227.00	5,965.00	5,865.23	82.68	25.50	-83.41	383.31	659.22	3,146.36	3,095.67	50.69	62.069	
8,000.00	6,227.00	5,965.00	5,865.23	82.93	25.50	-83.41	383.31	659.22	3,171.33	3,120.29	51.05	62.125	
8,100.00	6,227.00	5,965.00	5,865.23	83.20	25.50	-83.41	383.31	659.22	3,199.24	3,147.73	51.51	62.108	
8,200.00	6,227.00	5,951.35	5,852.03	83.49	25.48	-83.17	386.77	659.72	3,229.89	3,177.99	51.91	62.227	
8,300.00	6,227.00	5,944.93	5,845.80	83.80	25.47	-83.05	388.30	659.93	3,263.30	3,210.84	52.46	62.200	
8,400.00	6,227.00	5,932.00	5,833.21	84.12	25.45	-82.82	391.22	660.30	3,299.39	3,246.37	53.01	62.238	
8,500.00	6,227.00	5,932.00	5,833.21	84.47	25.45	-82.82	391.22	660.30	3,337.98	3,284.21	53.77	62.075	
8,600.00	6,227.00	5,932.00	5,833.21	84.83	25.45	-82.82	391.22	660.30	3,379.10	3,324.52	54.58	61.912	
8,700.00	6,227.00	5,932.00	5,833.21	85.22	25.45	-82.82	391.22	660.30	3,422.64	3,367.22	55.42	61.759	
8,800.00	6,227.00	5,918.49	5,820.00	85.62	25.42	-82.57	394.00	660.65	3,468.41	3,412.29	56.12	61.800	
8,900.00	6,227.00	5,914.19	5,815.78	86.05	25.41	-82.49	394.82	660.75	3,516.45	3,459.49	56.96	61.740	
9,000.00	6,227.00	5,900.00	5,801.81	86.51	25.38	-82.23	397.33	661.05	3,566.69	3,509.01	57.68	61.831	
9,100.00	6,227.00	5,900.00	5,801.81	86.98	25.38	-82.23	397.33	661.05	3,618.87	3,560.29	58.58	61.775	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,200.00	6,227.00	5,900.00	5,801.81	87.49	25.38	-82.23	397.33	661.05	3,673.04	3,613.56	59.48	61.756	
9,300.00	6,227.00	5,900.00	5,801.81	88.01	25.38	-82.23	397.33	661.05	3,729.10	3,668.73	60.36	61.776	
9,400.00	6,227.00	5,900.00	5,801.81	88.56	25.38	-82.23	397.33	661.05	3,786.97	3,725.73	61.24	61.837	
9,500.00	6,227.00	5,900.00	5,801.81	89.14	25.38	-82.23	397.33	661.05	3,846.57	3,784.46	62.10	61.938	
9,600.00	6,227.00	5,900.00	5,801.81	89.75	25.38	-82.23	397.33	661.05	3,907.82	3,844.87	62.95	62.079	
9,700.00	6,227.00	5,900.00	5,801.81	90.38	25.38	-82.23	397.33	661.05	3,970.64	3,906.87	63.78	62.259	
9,800.00	6,227.00	5,885.12	5,787.11	91.04	25.35	-81.96	399.63	661.33	4,034.81	3,970.38	64.43	62.620	
9,900.00	6,227.00	5,882.68	5,784.69	91.73	25.35	-81.91	399.97	661.37	4,100.51	4,035.31	65.20	62.893	
10,000.00	6,227.00	5,868.00	5,770.14	92.44	25.32	-81.65	401.84	661.60	4,167.67	4,101.85	65.82	63.315	
10,100.00	6,227.00	5,868.00	5,770.14	93.19	25.32	-81.65	401.84	661.60	4,235.98	4,169.41	66.57	63.631	
10,200.00	6,227.00	5,868.00	5,770.14	93.96	25.32	-81.65	401.84	661.60	4,305.53	4,238.23	67.30	63.979	
10,300.00	6,227.00	5,868.00	5,770.14	94.76	25.32	-81.65	401.84	661.60	4,376.26	4,308.26	68.00	64.359	
10,400.00	6,227.00	5,868.00	5,770.14	95.59	25.32	-81.65	401.84	661.60	4,448.11	4,379.44	68.68	64.768	
10,500.00	6,227.00	5,868.00	5,770.14	96.45	25.32	-81.65	401.84	661.60	4,521.04	4,451.70	69.33	65.206	
10,600.00	6,227.00	5,868.00	5,770.14	97.34	25.32	-81.65	401.84	661.60	4,594.98	4,525.01	69.97	65.671	
10,700.00	6,227.00	5,868.00	5,770.14	98.26	25.32	-81.65	401.84	661.60	4,669.89	4,599.31	70.58	66.162	
10,800.00	6,227.00	5,868.00	5,770.14	99.20	25.32	-81.65	401.84	661.60	4,745.73	4,674.55	71.18	66.677	
10,900.00	6,227.00	5,868.00	5,770.14	100.18	25.32	-81.65	401.84	661.60	4,822.45	4,750.70	71.75	67.214	
11,000.00	6,227.00	5,868.00	5,770.14	101.18	25.32	-81.65	401.84	661.60	4,900.01	4,827.71	72.30	67.774	
11,100.00	6,227.00	5,868.00	5,770.14	102.20	25.32	-81.65	401.84	661.60	4,978.37	4,905.53	72.83	68.354	
11,200.00	6,227.00	5,868.00	5,770.14	103.26	25.32	-81.65	401.84	661.60	5,057.49	4,984.14	73.35	68.953	
11,300.00	6,227.00	5,868.00	5,770.14	104.33	25.32	-81.65	401.84	661.60	5,137.34	5,063.49	73.84	69.571	
11,400.00	6,227.00	5,854.21	5,756.43	105.44	25.29	-81.39	403.33	661.77	5,217.77	5,143.55	74.22	70.302	
11,500.00	6,227.00	5,852.66	5,754.89	106.57	25.28	-81.36	403.48	661.79	5,298.95	5,224.27	74.67	70.963	
11,600.00	6,227.00	5,851.17	5,753.40	107.72	25.28	-81.34	403.63	661.81	5,380.76	5,305.65	75.11	71.638	
11,700.00	6,227.00	5,849.73	5,751.97	108.89	25.28	-81.31	403.77	661.82	5,463.17	5,387.64	75.53	72.329	
11,800.00	6,227.00	5,836.00	5,738.30	110.09	25.24	-81.06	404.97	661.95	5,546.25	5,470.40	75.86	73.116	
11,900.00	6,227.00	5,836.00	5,738.30	111.31	25.24	-81.06	404.97	661.95	5,629.77	5,553.51	76.26	73.822	
12,000.00	6,227.00	5,836.00	5,738.30	112.54	25.24	-81.06	404.97	661.95	5,713.82	5,637.17	76.65	74.541	
12,100.00	6,227.00	5,836.00	5,738.30	113.80	25.24	-81.06	404.97	661.95	5,798.38	5,721.35	77.03	75.272	
12,200.00	6,227.00	5,836.00	5,738.30	115.08	25.24	-81.06	404.97	661.95	5,883.42	5,806.02	77.40	76.015	
12,300.00	6,227.00	5,836.00	5,738.30	116.37	25.24	-81.06	404.97	661.95	5,968.93	5,891.17	77.75	76.768	
12,400.00	6,227.00	5,836.00	5,738.30	117.69	25.24	-81.06	404.97	661.95	6,054.87	5,976.78	78.10	77.532	
12,500.00	6,227.00	5,836.00	5,738.30	119.02	25.24	-81.06	404.97	661.95	6,141.25	6,062.82	78.43	78.305	
12,600.00	6,227.00	5,836.00	5,738.30	120.36	25.24	-81.06	404.97	661.95	6,228.03	6,149.28	78.75	79.088	
12,700.00	6,227.00	5,836.00	5,738.30	121.72	25.24	-81.06	404.97	661.95	6,315.20	6,236.14	79.06	79.879	
12,800.00	6,227.00	5,836.00	5,738.30	123.10	25.24	-81.06	404.97	661.95	6,402.75	6,323.39	79.36	80.679	
12,900.00	6,227.00	5,836.00	5,738.30	124.49	25.24	-81.06	404.97	661.95	6,490.66	6,411.01	79.65	81.486	
13,000.00	6,227.00	5,836.00	5,738.30	125.89	25.24	-81.06	404.97	661.95	6,578.91	6,498.98	79.94	82.301	
13,100.00	6,227.00	5,836.00	5,738.30	127.31	25.24	-81.06	404.97	661.95	6,667.50	6,587.29	80.21	83.124	
13,200.00	6,227.00	5,836.00	5,738.30	128.74	25.24	-81.06	404.97	661.95	6,756.40	6,675.92	80.48	83.953	
13,300.00	6,227.00	5,836.00	5,738.30	130.18	25.24	-81.06	404.97	661.95	6,845.61	6,764.87	80.74	84.788	
13,400.00	6,227.00	5,836.00	5,738.30	131.63	25.24	-81.06	404.97	661.95	6,935.12	6,854.13	80.99	85.630	
13,500.00	6,227.00	5,836.00	5,738.30	133.09	25.24	-81.06	404.97	661.95	7,024.90	6,943.67	81.23	86.477	
13,600.00	6,227.00	5,836.00	5,738.30	134.57	25.24	-81.06	404.97	661.95	7,114.96	7,033.49	81.47	87.330	
13,700.00	6,227.00	5,836.00	5,738.30	136.05	25.24	-81.06	404.97	661.95	7,205.28	7,123.58	81.70	88.188	
13,800.00	6,227.00	5,836.00	5,738.30	137.54	25.24	-81.06	404.97	661.95	7,295.86	7,213.93	81.93	89.052	
13,900.00	6,227.00	5,836.00	5,738.30	139.05	25.24	-81.06	404.97	661.95	7,386.68	7,304.53	82.15	89.920	
14,000.00	6,227.00	5,836.00	5,738.30	140.56	25.24	-81.06	404.97	661.95	7,477.73	7,395.37	82.36	90.792	
14,100.00	6,227.00	5,836.00	5,738.30	142.07	25.24	-81.06	404.97	661.95	7,569.01	7,486.44	82.57	91.669	
14,200.00	6,227.00	5,836.00	5,738.30	143.60	25.24	-81.06	404.97	661.95	7,660.50	7,577.73	82.77	92.550	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
14,300.00	6,227.00	5,836.00	5,738.30	145.14	25.24	-81.06	404.97	661.95	7,752.21	7,669.24	82.97	93.435		
14,400.00	6,227.00	5,836.00	5,738.30	146.68	25.24	-81.06	404.97	661.95	7,844.12	7,760.95	83.16	94.324		
14,500.00	6,227.00	5,836.00	5,738.30	148.23	25.24	-81.06	404.97	661.95	7,936.22	7,852.87	83.35	95.216		
14,600.00	6,227.00	5,821.21	5,723.54	149.78	25.21	-80.78	406.03	662.05	8,028.38	7,944.93	83.46	96.196		
14,700.00	6,227.00	5,820.53	5,722.87	151.35	25.21	-80.77	406.08	662.05	8,120.85	8,037.21	83.64	97.098		
14,800.00	6,227.00	5,819.87	5,722.21	152.91	25.21	-80.76	406.12	662.05	8,213.49	8,129.68	83.81	98.004		
14,900.00	6,227.00	5,819.22	5,721.56	154.49	25.20	-80.75	406.16	662.05	8,306.30	8,222.32	83.98	98.912		
15,000.00	6,227.00	5,818.59	5,720.93	156.07	25.20	-80.74	406.20	662.06	8,399.27	8,315.13	84.14	99.823		
15,100.00	6,227.00	5,817.97	5,720.31	157.65	25.20	-80.73	406.24	662.06	8,492.40	8,408.10	84.30	100.736		
15,200.00	6,227.00	5,803.00	5,705.36	159.24	25.16	-80.45	407.03	662.10	8,585.81	8,501.42	84.39	101.736		
15,300.00	6,227.00	5,803.00	5,705.36	160.84	25.16	-80.45	407.03	662.10	8,679.24	8,594.69	84.55	102.651		
15,400.00	6,227.00	5,803.00	5,705.36	162.44	25.16	-80.45	407.03	662.10	8,772.81	8,688.10	84.71	103.567		
15,500.00	6,227.00	5,803.00	5,705.36	164.05	25.16	-80.45	407.03	662.10	8,866.52	8,781.66	84.86	104.486		
15,600.00	6,227.00	5,803.00	5,705.36	165.66	25.16	-80.45	407.03	662.10	8,960.37	8,875.36	85.01	105.407		
15,700.00	6,227.00	5,803.00	5,705.36	167.27	25.16	-80.45	407.03	662.10	9,054.35	8,969.20	85.15	106.330		
15,800.00	6,227.00	5,803.00	5,705.36	168.89	25.16	-80.45	407.03	662.10	9,148.46	9,063.16	85.30	107.254		
15,900.00	6,227.00	5,803.00	5,705.36	170.51	25.16	-80.45	407.03	662.10	9,242.69	9,157.25	85.44	108.180		
16,000.00	6,227.00	5,803.00	5,705.36	172.14	25.16	-80.45	407.03	662.10	9,337.04	9,251.46	85.58	109.108		
16,100.00	6,227.00	5,803.00	5,705.36	173.77	25.16	-80.45	407.03	662.10	9,431.51	9,345.80	85.71	110.038		
16,200.00	6,227.00	5,803.00	5,705.36	175.40	25.16	-80.45	407.03	662.10	9,526.09	9,440.24	85.84	110.969		
16,300.00	6,227.00	5,803.00	5,705.36	177.04	25.16	-80.45	407.03	662.10	9,620.78	9,534.80	85.98	111.901		
16,400.00	6,227.00	5,803.00	5,705.36	178.68	25.16	-80.45	407.03	662.10	9,715.58	9,629.47	86.11	112.834		
16,500.00	6,227.00	5,803.00	5,705.36	180.32	25.16	-80.45	407.03	662.10	9,810.47	9,724.24	86.23	113.769		
16,600.00	6,227.00	5,803.00	5,705.36	181.96	25.16	-80.45	407.03	662.10	9,905.48	9,819.12	86.36	114.704		
16,700.00	6,227.00	5,803.00	5,705.36	183.61	25.16	-80.45	407.03	662.10	10,000.57	9,914.09	86.48	115.641		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE K21-O24-36HNB - 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	0.27	59.74	0.28	60.42					
100.00	100.00	91.16	91.16	0.27	0.15	0.23	59.62	0.24	59.62	59.20	0.42	141.988		
200.00	200.00	191.34	191.34	0.63	0.32	0.11	59.19	0.11	59.19	58.25	0.94	62.691		
300.00	299.98	291.32	291.32	0.98	0.62	-85.94	58.57	-0.02	58.42	56.82	1.60	36.620		
400.00	399.84	390.97	390.96	1.34	0.97	-90.84	58.13	0.27	57.81	55.51	2.30	25.101		
408.31	408.13	399.23	399.22	1.37	1.00	-91.34	58.12	0.35	57.80	55.44	2.36	24.466	CC, ES	
500.00	499.45	490.39	490.36	1.71	1.31	-97.64	58.45	1.97	58.48	55.46	3.02	19.369		
600.00	598.70	590.06	589.97	2.10	1.67	-105.48	59.58	5.50	60.96	57.21	3.75	16.251		
700.00	697.47	689.44	689.11	2.51	2.02	-112.62	61.94	11.87	65.58	61.07	4.51	14.552		
800.00	795.62	789.56	788.67	2.95	2.39	-118.28	65.86	21.66	72.11	66.82	5.29	13.628		
900.00	893.06	889.92	888.10	3.44	2.77	-123.05	70.48	34.48	79.77	73.67	6.11	13.059		
1,000.00	989.64	991.22	988.07	3.96	3.19	-127.42	75.50	49.97	88.56	81.60	6.96	12.732		
1,100.00	1,085.27	1,091.84	1,086.77	4.54	3.63	-131.07	80.48	68.86	97.46	89.63	7.83	12.450	SF	
1,200.00	1,179.82	1,190.11	1,183.14	5.16	4.07	-135.21	85.39	87.47	109.06	100.36	8.70	12.543		
1,300.00	1,273.17	1,292.49	1,283.43	5.85	4.54	-139.84	89.80	107.56	122.84	113.30	9.55	12.865		
1,400.00	1,365.21	1,390.77	1,379.38	6.59	5.01	-144.03	93.46	128.53	138.26	127.88	10.39	13.312		
1,500.00	1,455.84	1,489.33	1,475.24	7.40	5.51	-147.15	99.22	150.67	157.11	145.86	11.25	13.966		
1,600.00	1,544.94	1,590.78	1,573.22	8.28	6.05	-149.50	106.38	175.96	177.49	165.35	12.15	14.611		
1,700.00	1,632.39	1,689.38	1,668.04	9.23	6.60	-151.59	113.31	202.11	199.64	186.60	13.05	15.300		
1,800.00	1,718.11	1,780.85	1,756.19	10.25	7.10	-153.44	120.14	225.55	226.03	212.11	13.92	16.237		
1,900.00	1,801.97	1,877.14	1,849.06	11.35	7.64	-155.19	127.92	249.75	256.36	241.55	14.81	17.314		
2,005.96	1,888.70	1,979.91	1,947.93	12.60	8.23	-156.80	136.51	276.44	291.29	275.54	15.76	18.486		
2,100.00	1,964.66	2,071.14	2,035.54	13.75	8.76	-158.44	142.97	301.04	322.84	306.25	16.59	19.465		
2,200.00	2,045.44	2,164.90	2,125.53	14.99	9.31	-159.86	149.29	326.59	356.27	338.82	17.45	20.415		
2,300.00	2,126.22	2,256.54	2,213.56	16.24	9.85	-161.03	155.39	351.30	390.11	371.80	18.31	21.306		
2,400.00	2,207.00	2,350.01	2,303.37	17.50	10.40	-161.89	162.73	376.16	424.63	405.43	19.20	22.115		
2,500.00	2,287.78	2,444.03	2,393.62	18.77	10.96	-162.62	170.16	401.45	458.93	438.83	20.10	22.827		
2,600.00	2,368.56	2,534.32	2,480.19	20.04	11.49	-163.05	178.68	425.64	493.63	472.61	21.02	23.486		
2,700.00	2,449.34	2,623.11	2,565.32	21.31	12.02	-163.26	188.50	448.87	529.17	507.22	21.95	24.112		
2,800.00	2,530.12	2,713.13	2,651.73	22.59	12.56	-163.40	199.05	471.80	565.45	542.56	22.89	24.700		
2,900.00	2,610.90	2,808.49	2,743.59	23.88	13.11	-163.74	208.28	495.68	601.89	578.05	23.84	25.243		
3,000.00	2,691.68	2,905.29	2,836.82	25.16	13.68	-164.13	216.61	520.33	637.79	613.01	24.79	25.729		
3,100.00	2,772.46	3,002.21	2,929.99	26.45	14.25	-164.44	225.32	545.58	673.21	647.47	25.75	26.147		
3,200.00	2,853.23	3,098.64	3,022.67	27.74	14.83	-164.78	233.09	571.05	708.18	681.49	26.69	26.536		
3,300.00	2,934.01	3,190.84	3,111.33	29.03	15.37	-165.13	239.99	595.41	743.10	715.51	27.59	26.938		
3,400.00	3,014.79	3,286.39	3,203.23	30.32	15.95	-165.45	247.26	620.53	778.18	749.67	28.51	27.292		
3,500.00	3,095.57	3,388.12	3,300.61	31.61	16.57	-165.65	256.20	648.54	812.18	782.66	29.52	27.512		
3,600.00	3,176.35	3,486.70	3,394.80	32.91	17.19	-165.73	266.28	675.85	846.21	815.68	30.53	27.713		
3,700.00	3,257.13	3,590.16	3,493.32	34.20	17.85	-165.84	276.04	705.87	878.84	847.26	31.58	27.827		
3,800.00	3,337.91	3,682.02	3,580.52	35.50	18.44	-165.83	286.31	732.85	911.33	878.75	32.57	27.976		
3,900.00	3,418.69	3,768.43	3,662.88	36.80	18.99	-165.90	294.71	757.61	944.37	910.88	33.49	28.196		
4,000.00	3,499.47	3,860.33	3,750.80	38.09	19.57	-166.05	302.60	783.20	978.09	943.66	34.43	28.410		
4,100.00	3,580.25	3,943.41	3,830.36	39.39	20.08	-166.18	309.75	806.01	1,012.21	976.92	35.29	28.685		
4,200.00	3,661.03	4,031.05	3,914.59	40.69	20.60	-166.33	316.98	829.08	1,047.36	1,011.19	36.17	28.957		
4,300.00	3,741.81	4,115.90	3,996.36	41.99	21.10	-166.53	322.93	850.94	1,082.96	1,045.96	37.00	29.268		
4,400.00	3,822.58	4,235.78	4,111.75	43.29	21.82	-166.75	331.99	882.15	1,118.49	1,080.35	38.14	29.329		
4,500.00	3,903.36	4,319.00	4,191.51	44.59	22.33	-166.84	339.31	904.71	1,152.94	1,113.94	39.00	29.562		
4,600.00	3,984.14	4,421.72	4,290.14	45.89	22.95	-167.02	346.70	932.45	1,187.39	1,147.40	39.99	29.691		
4,700.00	4,064.92	4,515.81	4,380.34	47.20	23.53	-167.18	353.40	958.37	1,221.31	1,180.39	40.92	29.850		
4,800.00	4,145.70	4,598.57	4,459.69	48.50	24.04	-167.26	360.44	980.80	1,255.78	1,214.01	41.77	30.066		
4,900.00	4,226.48	4,686.57	4,544.31	49.80	24.57	-167.38	367.25	1,003.98	1,290.92	1,248.28	42.65	30.270		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE K21-O24-36HNB - 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	
5,000.00	4,307.26	4,792.68	4,646.44	51.10	25.20	-167.58	373.91	1,031.97	1,325.95	1,282.30	43.65	30.378	
5,100.00	4,388.04	4,896.52	4,746.03	52.40	25.84	-167.76	380.41	1,060.68	1,359.70	1,315.06	44.63	30.463	
5,200.00	4,468.82	4,984.99	4,830.85	53.71	26.38	-167.89	386.41	1,085.05	1,393.62	1,348.11	45.51	30.625	
5,300.00	4,549.60	5,071.66	4,914.10	55.01	26.91	-168.03	391.88	1,108.54	1,427.95	1,381.59	46.36	30.804	
5,400.00	4,630.38	5,160.33	4,999.32	56.31	27.44	-168.13	398.17	1,132.18	1,462.77	1,415.53	47.23	30.969	
5,500.00	4,711.16	5,253.48	5,088.74	57.62	28.01	-168.18	406.35	1,157.00	1,497.73	1,449.55	48.18	31.087	
5,600.00	4,791.93	5,352.90	5,184.17	58.92	28.61	-168.24	414.70	1,183.58	1,532.58	1,483.40	49.18	31.166	
5,700.00	4,872.71	5,427.17	5,255.54	60.23	29.06	-168.30	420.47	1,203.31	1,567.60	1,517.66	49.94	31.392	
5,800.00	4,953.49	5,500.70	5,326.55	61.53	29.49	-168.38	425.85	1,221.64	1,604.08	1,553.41	50.67	31.656	
5,900.00	5,034.27	5,605.75	5,428.16	62.83	30.09	-168.50	433.01	1,247.32	1,641.08	1,589.39	51.68	31.753	
6,000.00	5,115.05	5,690.98	5,510.27	64.14	30.59	-168.55	440.02	1,269.05	1,677.16	1,624.62	52.54	31.921	
6,100.00	5,195.83	5,782.42	5,598.47	65.44	31.13	-168.55	449.05	1,291.42	1,714.28	1,660.79	53.48	32.052	
6,200.00	5,276.61	5,863.42	5,676.53	66.75	31.59	-168.56	456.91	1,311.55	1,751.07	1,696.75	54.32	32.235	
6,300.00	5,357.39	5,951.48	5,762.04	68.05	32.07	-168.73	460.86	1,332.03	1,788.98	1,733.85	55.12	32.455	
6,400.00	5,438.17	6,041.19	5,857.15	69.36	33.21	-171.68	394.49	1,398.50	1,820.17	1,764.35	55.81	32.613	
6,500.00	5,518.95	6,276.67	6,053.77	70.66	33.41	-172.98	358.86	1,414.12	1,851.29	1,795.38	55.91	33.113	
6,600.00	5,599.73	6,343.00	6,102.42	71.97	33.57	-174.48	316.10	1,428.23	1,884.63	1,828.65	55.98	33.666	
6,700.00	5,680.51	6,387.55	6,132.13	73.27	33.65	-175.57	284.02	1,436.67	1,920.74	1,864.68	56.06	34.262	
6,800.00	5,761.29	6,432.00	6,159.28	74.58	33.73	-176.72	249.64	1,444.10	1,960.10	1,903.98	56.12	34.924	
6,837.84	5,791.85	6,432.00	6,159.28	75.07	33.73	-176.72	249.64	1,444.10	1,975.84	1,919.74	56.10	35.219	
6,850.00	5,801.67	6,432.00	6,159.28	75.23	33.73	-174.49	249.64	1,444.10	1,981.03	1,924.94	56.09	35.319	
6,900.00	5,841.80	6,458.76	6,174.40	75.88	33.76	-166.18	227.92	1,448.15	2,002.77	1,946.64	56.13	35.684	
6,950.00	5,881.33	6,470.42	6,180.69	76.52	33.77	-157.79	218.25	1,449.82	2,025.37	1,969.27	56.10	36.104	
7,000.00	5,919.97	6,478.34	6,184.86	77.14	33.78	-149.77	211.62	1,450.94	2,048.67	1,992.63	56.04	36.555	
7,050.00	5,957.41	6,482.94	6,187.25	77.74	33.79	-142.20	207.74	1,451.57	2,072.54	2,016.58	55.96	37.034	
7,100.00	5,993.37	6,484.62	6,188.11	78.32	33.79	-135.13	206.32	1,451.80	2,096.81	2,040.95	55.86	37.537	
7,150.00	6,027.59	6,483.75	6,187.67	78.86	33.79	-128.58	207.05	1,451.68	2,121.29	2,065.55	55.74	38.060	
7,200.00	6,059.79	6,480.65	6,186.07	79.36	33.79	-122.53	209.67	1,451.26	2,145.78	2,090.19	55.60	38.595	
7,250.00	6,089.73	6,475.62	6,183.44	79.83	33.78	-116.98	213.90	1,450.56	2,170.10	2,114.65	55.45	39.136	
7,300.00	6,117.20	6,468.91	6,179.88	80.25	33.77	-111.92	219.51	1,449.61	2,194.03	2,138.73	55.30	39.677	
7,350.00	6,141.96	6,460.73	6,175.47	80.63	33.76	-107.33	226.30	1,448.43	2,217.37	2,162.23	55.15	40.209	
7,400.00	6,163.85	6,432.00	6,159.28	80.98	33.73	-102.73	249.64	1,444.10	2,240.12	2,185.33	54.78	40.891	
7,450.00	6,182.69	6,432.00	6,159.28	81.28	33.73	-99.35	249.64	1,444.10	2,261.58	2,206.81	54.77	41.295	
7,500.00	6,198.33	6,432.00	6,159.28	81.54	33.73	-96.40	249.64	1,444.10	2,282.01	2,227.20	54.81	41.638	
7,550.00	6,210.67	6,432.00	6,159.28	81.77	33.73	-93.86	249.64	1,444.10	2,301.28	2,246.37	54.91	41.909	
7,600.00	6,219.60	6,432.00	6,159.28	81.96	33.73	-91.72	249.64	1,444.10	2,319.27	2,264.18	55.09	42.099	
7,650.00	6,225.05	6,396.29	6,137.67	82.11	33.66	-89.35	277.44	1,438.21	2,335.09	2,280.30	54.79	42.618	
7,702.53	6,227.00	6,383.47	6,129.51	82.24	33.64	-87.76	287.06	1,435.93	2,350.26	2,295.36	54.90	42.806	
7,800.00	6,227.00	6,343.00	6,102.42	82.45	33.57	-87.08	316.10	1,428.23	2,378.28	2,323.35	54.93	43.293	
7,900.00	6,227.00	6,343.00	6,102.42	82.68	33.57	-87.08	316.10	1,428.23	2,409.75	2,353.93	55.82	43.172	
8,000.00	6,227.00	6,343.00	6,102.42	82.93	33.57	-87.08	316.10	1,428.23	2,444.90	2,388.05	56.85	43.006	
8,100.00	6,227.00	6,298.18	6,070.10	83.20	33.46	-86.29	345.70	1,418.87	2,482.20	2,425.15	57.05	43.509	
8,200.00	6,227.00	6,255.00	6,036.80	83.49	33.36	-85.47	371.40	1,409.16	2,523.36	2,466.05	57.31	44.028	
8,300.00	6,227.00	6,255.00	6,036.80	83.80	33.36	-85.47	371.40	1,409.16	2,566.51	2,507.96	58.55	43.835	
8,400.00	6,227.00	6,255.00	6,036.80	84.12	33.36	-85.47	371.40	1,409.16	2,612.77	2,552.93	59.84	43.663	
8,500.00	6,227.00	6,255.00	6,036.80	84.47	33.36	-85.47	371.40	1,409.16	2,661.99	2,600.83	61.16	43.525	
8,600.00	6,227.00	6,255.00	6,036.80	84.83	33.36	-85.47	371.40	1,409.16	2,714.00	2,651.51	62.49	43.428	
8,700.00	6,227.00	6,215.27	6,004.54	85.22	33.22	-84.69	392.47	1,399.53	2,767.30	2,704.36	62.94	43.968	
8,800.00	6,227.00	6,205.12	5,996.08	85.62	33.19	-84.49	397.45	1,396.95	2,823.63	2,759.59	64.03	44.097	
8,900.00	6,227.00	6,167.00	5,963.59	86.05	33.06	-83.72	414.61	1,386.83	2,882.88	2,818.38	64.50	44.696	
9,000.00	6,227.00	6,167.00	5,963.59	86.51	33.06	-83.72	414.61	1,386.83	2,943.12	2,877.35	65.78	44.745	

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE K21-O24-36HNB - 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	
9,100.00	6,227.00	6,167.00	5,963.59	86.98	33.06	-83.72	414.61	1,386.83	3,005.49	2,938.47	67.02	44.846	
9,200.00	6,227.00	6,167.00	5,963.59	87.49	33.06	-83.72	414.61	1,386.83	3,069.85	3,001.62	68.22	44.998	
9,300.00	6,227.00	6,167.00	5,963.59	88.01	33.06	-83.72	414.61	1,386.83	3,136.07	3,066.69	69.39	45.197	
9,400.00	6,227.00	6,167.00	5,963.59	88.56	33.06	-83.72	414.61	1,386.83	3,204.05	3,133.54	70.51	45.442	
9,500.00	6,227.00	6,167.00	5,963.59	89.14	33.06	-83.72	414.61	1,386.83	3,273.67	3,202.09	71.59	45.731	
9,600.00	6,227.00	6,167.00	5,963.59	89.75	33.06	-83.72	414.61	1,386.83	3,344.84	3,272.22	72.62	46.060	
9,700.00	6,227.00	6,167.00	5,963.59	90.38	33.06	-83.72	414.61	1,386.83	3,417.44	3,343.84	73.61	46.428	
9,800.00	6,227.00	6,128.69	5,929.78	91.04	32.89	-82.92	429.25	1,376.38	3,490.14	3,416.29	73.85	47.258	
9,900.00	6,227.00	6,123.16	5,924.79	91.73	32.87	-82.81	431.13	1,374.88	3,564.96	3,490.29	74.67	47.743	
10,000.00	6,227.00	6,117.95	5,920.09	92.44	32.85	-82.70	432.84	1,373.47	3,640.95	3,565.49	75.46	48.253	
10,100.00	6,227.00	6,078.00	5,883.34	93.19	32.68	-81.84	444.24	1,362.74	3,719.11	3,643.49	75.62	49.182	
10,200.00	6,227.00	6,078.00	5,883.34	93.96	32.68	-81.84	444.24	1,362.74	3,796.96	3,720.53	76.43	49.678	
10,300.00	6,227.00	6,078.00	5,883.34	94.76	32.68	-81.84	444.24	1,362.74	3,875.82	3,798.61	77.21	50.201	
10,400.00	6,227.00	6,078.00	5,883.34	95.59	32.68	-81.84	444.24	1,362.74	3,955.64	3,877.69	77.95	50.748	
10,500.00	6,227.00	6,078.00	5,883.34	96.45	32.68	-81.84	444.24	1,362.74	4,036.35	3,957.70	78.65	51.319	
10,600.00	6,227.00	6,078.00	5,883.34	97.34	32.68	-81.84	444.24	1,362.74	4,117.91	4,038.59	79.33	51.912	
10,700.00	6,227.00	6,078.00	5,883.34	98.26	32.68	-81.84	444.24	1,362.74	4,200.27	4,120.31	79.97	52.524	
10,800.00	6,227.00	6,078.00	5,883.34	99.20	32.68	-81.84	444.24	1,362.74	4,283.38	4,202.80	80.58	53.155	
10,900.00	6,227.00	6,078.00	5,883.34	100.18	32.68	-81.84	444.24	1,362.74	4,367.20	4,286.04	81.17	53.804	
11,000.00	6,227.00	6,078.00	5,883.34	101.18	32.68	-81.84	444.24	1,362.74	4,451.69	4,369.96	81.73	54.469	
11,100.00	6,227.00	6,078.00	5,883.34	102.20	32.68	-81.84	444.24	1,362.74	4,536.81	4,454.55	82.26	55.149	
11,200.00	6,227.00	6,078.00	5,883.34	103.26	32.68	-81.84	444.24	1,362.74	4,622.52	4,539.75	82.78	55.844	
11,300.00	6,227.00	6,078.00	5,883.34	104.33	32.68	-81.84	444.24	1,362.74	4,708.80	4,625.53	83.27	56.551	
11,400.00	6,227.00	6,078.00	5,883.34	105.44	32.68	-81.84	444.24	1,362.74	4,795.61	4,711.88	83.73	57.271	
11,500.00	6,227.00	6,078.00	5,883.34	106.57	32.68	-81.84	444.24	1,362.74	4,882.93	4,798.74	84.18	58.003	
11,600.00	6,227.00	6,078.00	5,883.34	107.72	32.68	-81.84	444.24	1,362.74	4,970.72	4,886.11	84.61	58.746	
11,700.00	6,227.00	6,078.00	5,883.34	108.89	32.68	-81.84	444.24	1,362.74	5,058.97	4,973.94	85.03	59.499	
11,800.00	6,227.00	6,078.00	5,883.34	110.09	32.68	-81.84	444.24	1,362.74	5,147.64	5,062.22	85.42	60.261	
11,900.00	6,227.00	6,078.00	5,883.34	111.31	32.68	-81.84	444.24	1,362.74	5,236.73	5,150.92	85.80	61.032	
12,000.00	6,227.00	6,078.00	5,883.34	112.54	32.68	-81.84	444.24	1,362.74	5,326.20	5,240.03	86.17	61.812	
12,100.00	6,227.00	6,078.00	5,883.34	113.80	32.68	-81.84	444.24	1,362.74	5,416.04	5,329.52	86.52	62.600	
12,200.00	6,227.00	6,078.00	5,883.34	115.08	32.68	-81.84	444.24	1,362.74	5,506.23	5,419.37	86.86	63.395	
12,300.00	6,227.00	6,078.00	5,883.34	116.37	32.68	-81.84	444.24	1,362.74	5,596.75	5,509.57	87.18	64.198	
12,400.00	6,227.00	6,078.00	5,883.34	117.69	32.68	-81.84	444.24	1,362.74	5,687.59	5,600.10	87.49	65.007	
12,500.00	6,227.00	6,078.00	5,883.34	119.02	32.68	-81.84	444.24	1,362.74	5,778.74	5,690.94	87.79	65.822	
12,600.00	6,227.00	6,078.00	5,883.34	120.36	32.68	-81.84	444.24	1,362.74	5,870.17	5,782.09	88.08	66.643	
12,700.00	6,227.00	6,038.02	5,845.64	121.72	32.49	-80.98	452.62	1,352.42	5,960.52	5,872.58	87.94	67.783	
12,800.00	6,227.00	6,036.34	5,844.05	123.10	32.48	-80.94	452.91	1,352.00	6,052.37	5,964.18	88.19	68.626	
12,900.00	6,227.00	6,034.73	5,842.51	124.49	32.48	-80.91	453.18	1,351.60	6,144.47	6,056.03	88.44	69.475	
13,000.00	6,227.00	6,033.17	5,841.02	125.89	32.47	-80.87	453.44	1,351.21	6,236.81	6,148.13	88.68	70.327	
13,100.00	6,227.00	6,031.66	5,839.58	127.31	32.46	-80.84	453.69	1,350.83	6,329.38	6,240.46	88.92	71.183	
13,200.00	6,227.00	6,030.21	5,838.19	128.74	32.46	-80.81	453.92	1,350.47	6,422.16	6,333.02	89.14	72.044	
13,300.00	6,227.00	5,990.00	5,799.47	130.18	32.27	-79.93	458.84	1,340.89	6,516.46	6,427.48	88.98	73.235	
13,400.00	6,227.00	5,990.00	5,799.47	131.63	32.27	-79.93	458.84	1,340.89	6,609.57	6,520.36	89.21	74.091	
13,500.00	6,227.00	5,990.00	5,799.47	133.09	32.27	-79.93	458.84	1,340.89	6,702.88	6,613.45	89.43	74.950	
13,600.00	6,227.00	5,990.00	5,799.47	134.57	32.27	-79.93	458.84	1,340.89	6,796.38	6,706.73	89.65	75.812	
13,700.00	6,227.00	5,990.00	5,799.47	136.05	32.27	-79.93	458.84	1,340.89	6,890.06	6,800.20	89.86	76.678	
13,800.00	6,227.00	5,990.00	5,799.47	137.54	32.27	-79.93	458.84	1,340.89	6,983.92	6,893.86	90.06	77.547	
13,900.00	6,227.00	5,990.00	5,799.47	139.05	32.27	-79.93	458.84	1,340.89	7,077.94	6,987.69	90.26	78.419	
14,000.00	6,227.00	5,990.00	5,799.47	140.56	32.27	-79.93	458.84	1,340.89	7,172.13	7,081.68	90.45	79.293	
14,100.00	6,227.00	5,990.00	5,799.47	142.07	32.27	-79.93	458.84	1,340.89	7,266.47	7,175.84	90.64	80.170	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
14,200.00	6,227.00	5,990.00	5,799.47	143.60	32.27	-79.93	458.84	1,340.89	7,360.97	7,270.15	90.82	81.050		
14,300.00	6,227.00	5,990.00	5,799.47	145.14	32.27	-79.93	458.84	1,340.89	7,455.60	7,364.61	91.00	81.932		
14,400.00	6,227.00	5,990.00	5,799.47	146.68	32.27	-79.93	458.84	1,340.89	7,550.38	7,459.21	91.17	82.816		
14,500.00	6,227.00	5,990.00	5,799.47	148.23	32.27	-79.93	458.84	1,340.89	7,645.28	7,553.95	91.34	83.703		
14,600.00	6,227.00	5,990.00	5,799.47	149.78	32.27	-79.93	458.84	1,340.89	7,740.32	7,648.82	91.50	84.591		
14,700.00	6,227.00	5,990.00	5,799.47	151.35	32.27	-79.93	458.84	1,340.89	7,835.48	7,743.82	91.66	85.481		
14,800.00	6,227.00	5,990.00	5,799.47	152.91	32.27	-79.93	458.84	1,340.89	7,930.76	7,838.94	91.82	86.373		
14,900.00	6,227.00	5,990.00	5,799.47	154.49	32.27	-79.93	458.84	1,340.89	8,026.15	7,934.18	91.97	87.267		
15,000.00	6,227.00	5,990.00	5,799.47	156.07	32.27	-79.93	458.84	1,340.89	8,121.65	8,029.53	92.12	88.162		
15,100.00	6,227.00	5,990.00	5,799.47	157.65	32.27	-79.93	458.84	1,340.89	8,217.27	8,125.00	92.27	89.058		
15,200.00	6,227.00	5,990.00	5,799.47	159.24	32.27	-79.93	458.84	1,340.89	8,312.98	8,220.57	92.41	89.956		
15,300.00	6,227.00	5,990.00	5,799.47	160.84	32.27	-79.93	458.84	1,340.89	8,408.79	8,316.24	92.55	90.855		
15,400.00	6,227.00	5,990.00	5,799.47	162.44	32.27	-79.93	458.84	1,340.89	8,504.70	8,412.02	92.69	91.755		
15,500.00	6,227.00	5,990.00	5,799.47	164.05	32.27	-79.93	458.84	1,340.89	8,600.71	8,507.88	92.82	92.657		
15,600.00	6,227.00	5,990.00	5,799.47	165.66	32.27	-79.93	458.84	1,340.89	8,696.80	8,603.85	92.96	93.559		
15,700.00	6,227.00	5,990.00	5,799.47	167.27	32.27	-79.93	458.84	1,340.89	8,792.98	8,699.90	93.08	94.462		
15,800.00	6,227.00	5,990.00	5,799.47	168.89	32.27	-79.93	458.84	1,340.89	8,889.25	8,796.04	93.21	95.367		
15,900.00	6,227.00	5,990.00	5,799.47	170.51	32.27	-79.93	458.84	1,340.89	8,985.59	8,892.26	93.34	96.272		
16,000.00	6,227.00	5,990.00	5,799.47	172.14	32.27	-79.93	458.84	1,340.89	9,082.02	8,988.56	93.46	97.177		
16,100.00	6,227.00	5,990.00	5,799.47	173.77	32.27	-79.93	458.84	1,340.89	9,178.52	9,084.94	93.58	98.084		
16,200.00	6,227.00	5,990.00	5,799.47	175.40	32.27	-79.93	458.84	1,340.89	9,275.10	9,181.40	93.70	98.991		
16,300.00	6,227.00	5,990.00	5,799.47	177.04	32.27	-79.93	458.84	1,340.89	9,371.75	9,277.93	93.81	99.899		
16,400.00	6,227.00	5,990.00	5,799.47	178.68	32.27	-79.93	458.84	1,340.89	9,468.46	9,374.54	93.93	100.807		
16,500.00	6,227.00	5,990.00	5,799.47	180.32	32.27	-79.93	458.84	1,340.89	9,565.25	9,471.21	94.04	101.716		
16,600.00	6,227.00	5,990.00	5,799.47	181.96	32.27	-79.93	458.84	1,340.89	9,662.10	9,567.95	94.15	102.625		
16,700.00	6,227.00	5,990.00	5,799.47	183.61	32.27	-79.93	458.84	1,340.89	9,759.01	9,664.75	94.26	103.534		
16,800.00	6,227.00	5,990.00	5,799.47	185.27	32.27	-79.93	458.84	1,340.89	9,855.99	9,761.62	94.37	104.444		
16,900.00	6,227.00	5,990.00	5,799.47	186.92	32.27	-79.93	458.84	1,340.89	9,953.02	9,858.55	94.47	105.354		
17,000.00	6,227.00	5,990.00	5,799.47	188.58	32.27	-79.93	458.84	1,340.89	10,050.12	9,955.54	94.58	106.264		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
100.00	100.00	152.10	152.09	0.27	0.48	-73.39	948.65	-3,179.45	3,318.40	3,317.64	0.76	4,387.445	
200.00	200.00	229.00	228.99	0.63	0.76	-73.39	948.30	-3,178.60	3,317.19	3,315.80	1.39	2,389.868	
227.32	227.32	254.58	254.57	0.72	0.85	-157.59	948.24	-3,178.36	3,317.04	3,315.46	1.58	2,105.619	
300.00	299.98	312.26	312.25	0.98	1.06	-157.59	948.22	-3,177.96	3,318.06	3,316.02	2.04	1,629.379	
400.00	399.84	403.62	403.61	1.34	1.38	-157.59	948.41	-3,177.65	3,322.62	3,319.90	2.72	1,223.782	
500.00	499.45	487.47	487.46	1.71	1.67	-157.57	948.25	-3,177.73	3,330.72	3,327.35	3.37	989.052	
600.00	598.70	572.66	572.63	2.10	1.96	-157.58	947.00	-3,178.57	3,342.52	3,338.49	4.03	829.969	
700.00	697.47	652.07	651.99	2.51	2.24	-157.59	944.67	-3,180.04	3,357.97	3,353.29	4.68	718.191	
800.00	795.62	721.85	721.67	2.95	2.48	-157.59	941.46	-3,182.17	3,377.30	3,372.00	5.30	637.178	
900.00	893.06	793.00	792.61	3.44	2.73	-157.60	937.14	-3,185.44	3,400.80	3,394.87	5.94	572.607	
1,000.00	889.64	866.83	866.13	3.96	3.00	-157.61	931.92	-3,189.56	3,428.16	3,421.56	6.60	519.449	
1,100.00	1,085.27	972.41	971.25	4.54	3.39	-157.74	924.03	-3,195.49	3,458.69	3,451.30	7.39	467.960	
1,200.00	1,179.82	1,063.90	1,062.37	5.16	3.73	-157.80	917.35	-3,200.36	3,492.17	3,484.03	8.14	428.890	
1,300.00	1,273.17	1,174.99	1,173.05	5.85	4.15	-157.92	909.59	-3,205.93	3,528.58	3,519.60	8.98	392.906	
1,400.00	1,365.21	1,222.22	1,220.09	6.59	4.33	-157.78	906.16	-3,208.51	3,568.39	3,558.81	9.58	372.379	
1,500.00	1,455.84	1,275.60	1,273.18	7.40	4.54	-157.65	902.00	-3,212.08	3,612.20	3,601.98	10.22	353.610	
1,600.00	1,544.94	1,346.41	1,343.57	8.28	4.81	-157.58	896.31	-3,217.27	3,659.56	3,648.63	10.93	334.903	
1,700.00	1,632.39	1,507.75	1,504.10	9.23	5.44	-157.92	884.48	-3,228.01	3,709.76	3,697.73	12.02	308.602	
1,800.00	1,718.11	1,704.77	1,700.36	10.25	6.19	-158.45	868.39	-3,234.33	3,758.97	3,745.70	13.27	283.208	
1,900.00	1,801.97	1,746.27	1,741.71	11.35	6.35	-158.21	865.10	-3,235.43	3,811.46	3,797.56	13.90	274.277	
2,005.96	1,888.70	1,801.00	1,796.26	12.60	6.56	-157.96	861.14	-3,237.62	3,871.26	3,856.65	14.60	265.070	
2,100.00	1,964.66	1,801.00	1,796.26	13.75	6.56	-157.96	861.14	-3,237.62	3,926.54	3,911.52	15.02	261.392	
2,200.00	2,045.44	1,855.93	1,850.99	14.99	6.77	-158.24	857.65	-3,240.60	3,986.13	3,970.44	15.69	254.072	
2,300.00	2,126.22	1,890.00	1,884.94	16.24	6.90	-158.42	855.76	-3,242.82	4,046.71	4,030.44	16.26	248.844	
2,400.00	2,207.00	2,517.00	2,508.53	17.50	9.23	-161.36	807.43	-3,244.10	4,099.66	4,080.33	19.33	212.115	
2,500.00	2,287.78	10,777.41	6,311.93	18.77	121.76	-173.57	351.19	813.50	4,035.01	3,990.56	44.45	90.766	
2,600.00	2,368.56	10,836.59	6,312.06	20.04	123.33	-173.50	354.59	872.58	3,954.37	3,909.12	45.25	87.390	
2,700.00	2,449.34	10,898.09	6,312.18	21.31	124.96	-173.43	358.17	933.98	3,873.72	3,827.65	46.07	84.087	
2,800.00	2,530.12	10,973.96	6,312.24	22.59	126.98	-173.37	360.95	1,009.79	3,792.91	3,745.93	46.99	80.726	
2,900.00	2,610.90	11,035.75	6,312.22	23.88	128.63	-173.37	361.55	1,071.58	3,711.94	3,664.15	47.79	77.676	
3,000.00	2,691.68	11,093.28	6,312.25	25.16	130.17	-173.39	361.13	1,129.11	3,630.95	3,582.39	48.55	74.782	
3,100.00	2,772.46	11,145.82	6,312.39	26.45	131.58	-173.43	360.08	1,181.64	3,550.03	3,500.74	49.28	72.031	
3,200.00	2,853.23	11,210.15	6,312.65	27.74	133.30	-173.50	358.12	1,245.94	3,469.15	3,419.07	50.08	69.267	
3,300.00	2,934.01	11,276.79	6,312.75	29.03	135.09	-173.59	355.75	1,312.54	3,388.09	3,337.20	50.89	66.574	
3,400.00	3,014.79	11,333.10	6,312.81	30.32	136.60	-173.67	353.69	1,368.81	3,307.02	3,255.38	51.64	64.041	
3,500.00	3,095.57	11,420.79	6,312.62	31.61	138.96	-173.79	350.62	1,456.45	3,225.80	3,173.25	52.56	61.378	
3,600.00	3,176.35	11,489.49	6,311.85	32.91	140.80	-173.88	348.63	1,525.12	3,144.04	3,090.67	53.37	58.912	
3,700.00	3,257.13	11,545.71	6,311.17	34.20	142.31	-173.94	347.68	1,581.32	3,062.28	3,008.15	54.12	56.583	
3,800.00	3,337.91	11,601.58	6,310.56	35.50	143.81	-174.02	345.98	1,637.16	2,980.54	2,925.68	54.86	54.327	
3,900.00	3,418.69	11,654.81	6,310.10	36.80	145.24	-174.16	342.94	1,690.30	2,898.85	2,843.28	55.58	52.161	
4,000.00	3,499.47	11,704.71	6,309.70	38.09	146.58	-174.23	341.69	1,740.17	2,817.30	2,761.01	56.30	50.045	
4,100.00	3,580.25	11,758.87	6,309.25	39.39	148.03	-174.23	342.76	1,794.32	2,735.90	2,678.83	57.07	47.942	
4,200.00	3,661.03	11,816.61	6,308.69	40.69	149.58	-174.16	345.76	1,851.98	2,654.52	2,596.64	57.88	45.860	
4,300.00	3,741.81	11,873.04	6,308.10	41.99	151.08	-174.05	349.62	1,908.27	2,573.16	2,514.45	58.71	43.827	
4,400.00	3,822.58	11,927.90	6,307.59	43.29	152.54	-173.95	353.07	1,963.02	2,491.85	2,432.32	59.53	41.856	
4,500.00	3,903.36	11,977.65	6,307.27	44.59	153.87	-173.86	356.03	2,012.68	2,410.70	2,350.36	60.34	39.953	
4,600.00	3,984.14	12,031.86	6,307.11	45.89	155.32	-173.76	359.15	2,066.80	2,329.74	2,268.57	61.17	38.086	
4,700.00	4,064.92	12,094.61	6,306.88	47.20	156.99	-173.64	362.77	2,129.45	2,248.76	2,186.71	62.04	36.245	
4,800.00	4,145.70	12,147.38	6,306.69	48.50	158.40	-173.53	365.81	2,182.13	2,167.77	2,104.89	62.88	34.472	
4,900.00	4,226.48	12,200.00	6,306.70	49.80	159.81	-173.42	368.77	2,234.67	2,087.00	2,023.27	63.73	32.745	
5,000.00	4,307.26	12,254.89	6,306.85	51.10	161.28	-173.30	371.75	2,289.47	2,006.38	1,941.78	64.60	31.058	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,388.04	12,312.79	6,307.08	52.40	162.83	-173.17	374.79	2,347.29	1,925.84	1,860.35	65.48	29.409	
5,200.00	4,468.82	12,373.10	6,307.30	53.71	164.44	-173.01	378.04	2,407.51	1,845.28	1,778.90	66.39	27.796	
5,300.00	4,549.60	12,439.15	6,307.48	55.01	166.21	-172.86	380.91	2,473.50	1,764.63	1,697.34	67.29	26.224	
5,400.00	4,630.38	12,502.11	6,307.54	56.31	167.91	-172.84	381.38	2,536.46	1,683.72	1,615.59	68.12	24.716	
5,500.00	4,711.16	12,557.48	6,307.60	57.62	169.40	-172.79	382.17	2,591.82	1,602.84	1,533.87	68.97	23.239	
5,600.00	4,791.93	12,617.16	6,307.68	58.92	171.00	-172.69	383.73	2,651.47	1,522.04	1,452.19	69.85	21.790	
5,700.00	4,872.71	12,680.00	6,307.72	60.23	172.69	-172.62	384.60	2,714.31	1,441.15	1,370.44	70.70	20.383	
5,800.00	4,953.49	12,748.12	6,307.72	61.53	174.53	-172.84	381.40	2,782.34	1,359.94	1,288.57	71.37	19.055	
5,900.00	5,034.27	12,806.37	6,307.66	62.83	176.10	-173.22	376.37	2,840.37	1,278.52	1,206.53	71.98	17.762	
6,000.00	5,115.05	12,867.30	6,307.46	64.14	177.75	-173.55	372.74	2,901.19	1,197.10	1,124.49	72.61	16.486	
6,100.00	5,195.83	12,933.13	6,306.71	65.44	179.52	-173.73	371.36	2,966.99	1,115.36	1,042.09	73.28	15.221	
6,200.00	5,276.61	12,988.18	6,305.82	66.75	181.00	-173.69	372.33	3,022.02	1,033.49	959.38	74.12	13.944	
6,300.00	5,357.39	13,043.91	6,304.90	68.05	182.50	-173.47	375.14	3,077.67	951.73	876.67	75.06	12.679	
6,400.00	5,438.17	13,099.96	6,304.01	69.36	184.00	-173.08	378.99	3,133.59	870.08	793.98	76.11	11.432	
6,500.00	5,518.95	13,159.32	6,303.04	70.66	185.59	-172.53	383.47	3,192.77	788.46	711.24	77.22	10.210	
6,600.00	5,599.73	13,215.74	6,302.04	71.97	187.10	-171.96	387.26	3,249.05	706.74	628.31	78.43	9.011	
6,700.00	5,680.51	13,267.31	6,301.55	73.27	188.48	-171.43	389.96	3,300.55	625.47	545.69	79.78	7.840	
6,800.00	5,761.29	13,324.54	6,301.56	74.58	190.02	-170.88	391.89	3,357.74	544.66	463.59	81.07	6.718	
6,837.84	5,791.85	13,347.34	6,301.58	75.07	190.64	-170.69	392.27	3,380.54	514.08	432.55	81.52	6.306	
6,850.00	5,801.67	13,354.66	6,301.58	75.23	190.83	-170.68	392.35	3,387.86	504.23	422.59	81.64	6.176	
6,900.00	5,841.80	13,384.36	6,301.60	75.88	191.64	-171.43	392.44	3,417.56	463.72	382.04	81.69	5.677	
6,950.00	5,881.33	13,412.99	6,301.62	76.52	192.41	-173.45	392.43	3,446.18	423.47	342.46	81.01	5.227	
7,000.00	5,919.97	13,441.02	6,301.64	77.14	193.17	-176.53	392.46	3,474.22	384.05	304.14	79.91	4.806	
7,050.00	5,957.41	13,468.28	6,301.67	77.74	193.90	179.71	392.52	3,501.47	346.26	266.77	79.49	4.356	
7,100.00	5,993.37	13,494.83	6,301.69	78.32	194.62	175.68	392.67	3,528.02	311.28	228.84	82.44	3.776	
7,150.00	6,027.59	13,520.36	6,301.70	78.86	195.31	171.79	392.95	3,553.56	280.74	187.59	93.15	3.014	
7,200.00	6,059.79	13,544.73	6,301.70	79.36	195.97	168.29	393.33	3,577.92	256.87	141.59	115.27	2.228	
7,250.00	6,089.73	13,567.72	6,301.69	79.83	196.59	165.28	393.79	3,600.91	242.26	94.40	147.86	1.638	
7,287.47	6,110.56	13,583.85	6,301.67	80.14	197.02	163.37	394.16	3,617.04	238.79	63.30	175.49	1.361 Level 3, CC	
7,300.00	6,117.20	13,589.03	6,301.66	80.25	197.16	162.79	394.29	3,622.21	239.19	54.55	184.63	1.295 Level 3	
7,350.00	6,141.96	13,608.58	6,301.63	80.63	197.69	160.77	394.78	3,641.75	248.55	30.98	217.56	1.142 Level 2	
7,400.00	6,163.85	13,626.21	6,301.60	80.98	198.16	159.18	395.27	3,659.38	269.39	27.48	241.90	1.114 Level 2, ES, SF	
7,450.00	6,182.69	13,641.79	6,301.56	81.28	198.58	157.97	395.73	3,674.95	299.53	41.92	257.62	1.163 Level 2	
7,500.00	6,198.33	13,653.00	6,301.52	81.54	198.89	157.73	396.08	3,686.16	336.60	69.66	266.94	1.261 Level 3	
7,550.00	6,210.67	13,664.92	6,301.48	81.77	199.21	157.22	396.44	3,698.07	378.56	106.19	272.38	1.390 Level 3	
7,600.00	6,219.60	13,672.42	6,301.46	81.96	199.41	158.08	396.66	3,705.57	423.90	148.48	275.42	1.539	
7,650.00	6,225.05	13,677.51	6,301.44	82.11	199.55	160.60	396.80	3,710.66	471.47	194.35	277.11	1.701	
7,702.53	6,227.00	13,680.28	6,301.43	82.24	199.62	168.23	396.87	3,713.42	522.90	244.87	278.03	1.881	
7,800.00	6,227.00	13,682.93	6,301.42	82.45	199.69	166.33	396.94	3,716.08	619.45	340.53	278.92	2.221	
7,900.00	6,227.00	13,685.57	6,301.41	82.68	199.77	164.48	397.01	3,718.72	718.75	439.22	279.53	2.571	
8,000.00	6,227.00	13,688.13	6,301.40	82.93	199.83	162.71	397.08	3,721.27	818.21	538.25	279.96	2.923	
8,100.00	6,227.00	13,690.61	6,301.39	83.20	199.90	161.03	397.14	3,723.75	917.78	637.50	280.28	3.274	
8,200.00	6,227.00	13,693.01	6,301.38	83.49	199.97	159.43	397.20	3,726.15	1,017.42	736.89	280.54	3.627	
8,300.00	6,227.00	13,695.34	6,301.37	83.80	200.03	157.91	397.25	3,728.48	1,117.13	836.38	280.75	3.979	
8,400.00	6,227.00	13,697.60	6,301.36	84.12	200.09	156.47	397.31	3,730.74	1,216.88	935.94	280.93	4.332	
8,500.00	6,227.00	13,699.80	6,301.35	84.47	200.15	155.10	397.36	3,732.93	1,316.66	1,035.56	281.09	4.684	
8,600.00	6,227.00	13,701.93	6,301.34	84.83	200.21	153.79	397.41	3,735.07	1,416.46	1,135.23	281.23	5.037	
8,700.00	6,227.00	13,704.00	6,301.33	85.22	200.26	152.55	397.45	3,737.14	1,516.29	1,234.93	281.36	5.389	
8,800.00	6,227.00	13,706.01	6,301.32	85.62	200.32	151.38	397.50	3,739.15	1,616.14	1,334.66	281.48	5.742	
8,900.00	6,227.00	13,707.97	6,301.31	86.05	200.37	150.25	397.54	3,741.11	1,716.00	1,434.41	281.59	6.094	
9,000.00	6,227.00	13,709.87	6,301.30	86.51	200.42	149.18	397.58	3,743.01	1,815.88	1,534.18	281.69	6.446	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,100.00	6,227.00	13,711.73	6,301.29	86.98	200.47	148.17	397.62	3,744.86	1,915.76	1,633.97	281.79	6.799	
9,200.00	6,227.00	13,713.53	6,301.29	87.49	200.52	147.20	397.66	3,746.67	2,015.66	1,733.77	281.88	7.151	
9,300.00	6,227.00	13,715.29	6,301.28	88.01	200.57	146.27	397.70	3,748.42	2,115.56	1,833.59	281.97	7.503	
9,400.00	6,227.00	13,717.00	6,301.27	88.56	200.61	145.39	397.73	3,750.13	2,215.47	1,933.41	282.06	7.855	
9,500.00	6,227.00	13,718.67	6,301.26	89.14	200.66	144.55	397.76	3,751.80	2,315.38	2,033.25	282.14	8.207	
9,600.00	6,227.00	13,720.29	6,301.25	89.75	200.70	143.74	397.80	3,753.43	2,415.31	2,133.09	282.22	8.558	
9,700.00	6,227.00	13,721.88	6,301.25	90.38	200.75	142.97	397.83	3,755.01	2,515.23	2,232.94	282.29	8.910	
9,800.00	6,227.00	13,723.43	6,301.24	91.04	200.79	142.23	397.86	3,756.56	2,615.16	2,332.80	282.37	9.262	
9,900.00	6,227.00	13,724.94	6,301.23	91.73	200.83	141.53	397.88	3,758.07	2,715.09	2,432.66	282.44	9.613	
10,000.00	6,227.00	13,726.41	6,301.22	92.44	200.87	140.85	397.91	3,759.54	2,815.03	2,532.53	282.51	9.964	
10,100.00	6,227.00	13,743.00	6,301.14	93.19	201.31	134.08	398.19	3,776.13	2,915.03	2,631.88	283.15	10.295	
10,200.00	6,227.00	13,743.00	6,301.14	93.96	201.31	134.08	398.19	3,776.13	3,014.96	2,731.80	283.16	10.647	
10,300.00	6,227.00	13,743.00	6,301.14	94.76	201.31	134.08	398.19	3,776.13	3,114.90	2,831.73	283.18	11.000	
10,400.00	6,227.00	13,743.00	6,301.14	95.59	201.31	134.08	398.19	3,776.13	3,214.84	2,931.65	283.19	11.352	
10,500.00	6,227.00	13,743.00	6,301.14	96.45	201.31	134.08	398.19	3,776.13	3,314.78	3,031.58	283.20	11.705	
10,600.00	6,227.00	13,743.00	6,301.14	97.34	201.31	134.08	398.19	3,776.13	3,414.73	3,131.52	283.21	12.057	
10,700.00	6,227.00	13,743.00	6,301.14	98.26	201.31	134.08	398.19	3,776.13	3,514.68	3,231.46	283.23	12.409	
10,800.00	6,227.00	13,743.00	6,301.14	99.20	201.31	134.08	398.19	3,776.13	3,614.63	3,331.40	283.24	12.762	
10,900.00	6,227.00	13,743.00	6,301.14	100.18	201.31	134.08	398.19	3,776.13	3,714.59	3,431.34	283.25	13.114	
11,000.00	6,227.00	13,743.00	6,301.14	101.18	201.31	134.08	398.19	3,776.13	3,814.55	3,531.29	283.26	13.466	
11,100.00	6,227.00	13,743.00	6,301.14	102.20	201.31	134.08	398.19	3,776.13	3,914.51	3,631.23	283.28	13.819	
11,200.00	6,227.00	13,743.00	6,301.14	103.26	201.31	134.08	398.19	3,776.13	4,014.47	3,731.18	283.29	14.171	
11,300.00	6,227.00	13,743.00	6,301.14	104.33	201.31	134.08	398.19	3,776.13	4,114.43	3,831.13	283.30	14.523	
11,400.00	6,227.00	13,747.60	6,301.11	105.44	201.44	132.44	398.27	3,780.73	4,214.40	3,930.91	283.49	14.866	
11,500.00	6,227.00	13,753.90	6,301.08	106.57	201.61	130.36	398.37	3,787.03	4,314.36	4,030.62	283.74	15.205	
11,600.00	6,227.00	13,760.88	6,301.05	107.72	201.80	128.24	398.49	3,794.01	4,414.32	4,130.31	284.02	15.542	
11,700.00	6,227.00	13,768.66	6,301.02	108.89	202.01	126.09	398.64	3,801.79	4,514.28	4,229.96	284.33	15.877	
11,800.00	6,227.00	13,777.39	6,300.99	110.09	202.24	123.92	398.82	3,810.52	4,614.24	4,329.57	284.67	16.209	
11,900.00	6,227.00	13,787.25	6,300.96	111.31	202.51	121.73	399.03	3,820.37	4,714.20	4,429.14	285.06	16.538	
12,000.00	6,227.00	13,798.48	6,300.94	112.54	202.81	119.52	399.29	3,831.60	4,814.15	4,528.65	285.49	16.863	
12,100.00	6,227.00	13,811.38	6,300.92	113.80	203.16	117.32	399.62	3,844.49	4,914.09	4,628.10	285.99	17.183	
12,200.00	6,227.00	13,826.35	6,300.92	115.08	203.56	115.12	400.03	3,859.46	5,014.03	4,727.46	286.57	17.497	
12,300.00	6,227.00	13,843.94	6,300.93	116.37	204.04	112.93	400.57	3,877.04	5,113.97	4,826.72	287.24	17.804	
12,400.00	6,227.00	13,800.06	6,301.00	117.69	202.85	119.26	399.47	3,833.17	5,213.81	4,928.20	285.61	18.255	
12,500.00	6,227.00	13,802.66	6,300.99	119.02	202.92	118.79	399.53	3,835.77	5,313.77	5,028.04	285.73	18.597	
12,600.00	6,227.00	13,805.25	6,300.99	120.36	202.99	118.34	399.59	3,838.37	5,413.73	5,127.89	285.84	18.940	
12,700.00	6,227.00	13,807.85	6,300.98	121.72	203.07	117.91	399.65	3,840.97	5,513.68	5,227.73	285.95	19.282	
12,800.00	6,227.00	13,810.45	6,300.97	123.10	203.14	117.48	399.71	3,843.56	5,613.64	5,327.57	286.07	19.624	
12,900.00	6,227.00	13,847.72	6,300.93	124.49	204.14	112.50	400.66	3,880.81	5,713.59	5,426.11	287.48	19.875	
13,000.00	6,227.00	13,850.12	6,300.93	125.89	204.21	112.24	400.72	3,883.22	5,813.53	5,525.94	287.59	20.215	
13,100.00	6,227.00	13,852.50	6,300.93	127.31	204.27	111.98	400.79	3,885.60	5,913.47	5,625.78	287.70	20.555	
13,200.00	6,227.00	13,854.87	6,300.93	128.74	204.33	111.74	400.86	3,887.96	6,013.41	5,725.61	287.80	20.894	
13,300.00	6,227.00	13,857.21	6,300.94	130.18	204.40	111.50	400.92	3,890.31	6,113.36	5,825.45	287.91	21.234	
13,400.00	6,227.00	13,859.54	6,300.94	131.63	204.46	111.26	400.99	3,892.63	6,213.30	5,925.29	288.01	21.573	
13,500.00	6,227.00	13,861.84	6,300.94	133.09	204.52	111.04	401.05	3,894.93	6,313.24	6,025.13	288.12	21.912	
13,600.00	6,227.00	13,864.13	6,300.94	134.57	204.58	110.82	401.12	3,897.22	6,413.19	6,124.97	288.22	22.251	
13,700.00	6,227.00	13,866.39	6,300.94	136.05	204.64	110.61	401.18	3,899.48	6,513.13	6,224.81	288.32	22.590	
13,800.00	6,227.00	13,868.64	6,300.94	137.54	204.71	110.40	401.24	3,901.73	6,613.08	6,324.65	288.43	22.928	
13,900.00	6,227.00	13,870.87	6,300.94	139.05	204.77	110.20	401.30	3,903.96	6,713.02	6,424.49	288.53	23.266	
14,000.00	6,227.00	13,873.08	6,300.94	140.56	204.82	110.00	401.36	3,906.17	6,812.97	6,524.34	288.63	23.604	
14,100.00	6,227.00	13,875.27	6,300.95	142.07	204.88	109.81	401.42	3,908.36	6,912.92	6,624.18	288.73	23.942	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
14,200.00	6,227.00	13,877.44	6,300.95	143.60	204.94	109.62	401.48	3,910.53	7,012.86	6,724.03	288.83	24.280		
14,300.00	6,227.00	13,879.60	6,300.95	145.14	205.00	109.44	401.54	3,912.68	7,112.81	6,823.88	288.94	24.617		
14,400.00	6,227.00	13,881.74	6,300.95	146.68	205.06	109.26	401.59	3,914.82	7,212.76	6,923.73	289.04	24.955		
14,500.00	6,227.00	13,883.86	6,300.95	148.23	205.12	109.09	401.65	3,916.94	7,312.71	7,023.58	289.14	25.292		
14,600.00	6,227.00	13,885.96	6,300.95	149.78	205.17	108.92	401.71	3,919.05	7,412.66	7,123.43	289.24	25.628		
14,700.00	6,227.00	13,888.05	6,300.95	151.35	205.23	108.76	401.76	3,921.13	7,512.61	7,223.28	289.33	25.965		
14,800.00	6,227.00	13,890.12	6,300.95	152.91	205.28	108.60	401.82	3,923.20	7,612.56	7,323.13	289.43	26.302		
14,900.00	6,227.00	13,892.17	6,300.95	154.49	205.34	108.44	401.87	3,925.26	7,712.51	7,422.98	289.53	26.638		
15,000.00	6,227.00	13,894.21	6,300.96	156.07	205.40	108.29	401.92	3,927.29	7,812.47	7,522.84	289.63	26.974		
15,100.00	6,227.00	13,896.23	6,300.96	157.65	205.45	108.14	401.97	3,929.31	7,912.42	7,622.69	289.73	27.310		
15,200.00	6,227.00	13,898.24	6,300.96	159.24	205.50	108.00	402.03	3,931.32	8,012.37	7,722.55	289.82	27.646		
15,300.00	6,227.00	13,900.23	6,300.96	160.84	205.56	107.86	402.08	3,933.31	8,112.32	7,822.40	289.92	27.981		
15,400.00	6,227.00	13,902.20	6,300.96	162.44	205.61	107.72	402.13	3,935.28	8,212.28	7,922.26	290.02	28.317		
15,500.00	6,227.00	13,904.16	6,300.96	164.05	205.66	107.58	402.18	3,937.24	8,312.23	8,022.12	290.11	28.652		
15,600.00	6,227.00	13,906.10	6,300.96	165.66	205.72	107.45	402.23	3,939.18	8,412.19	8,121.98	290.21	28.987		
15,700.00	6,227.00	13,922.00	6,300.97	167.27	206.14	106.43	402.62	3,955.07	8,512.16	8,221.33	290.83	29.268		
15,800.00	6,227.00	13,922.00	6,300.97	168.89	206.14	106.43	402.62	3,955.07	8,612.11	8,321.25	290.85	29.610		
15,900.00	6,227.00	13,922.00	6,300.97	170.51	206.14	106.43	402.62	3,955.07	8,712.06	8,421.18	290.88	29.951		
16,000.00	6,227.00	13,922.00	6,300.97	172.14	206.14	106.43	402.62	3,955.07	8,812.01	8,521.11	290.90	30.292		
16,100.00	6,227.00	13,922.00	6,300.97	173.77	206.14	106.43	402.62	3,955.07	8,911.97	8,621.04	290.92	30.633		
16,200.00	6,227.00	13,922.00	6,300.97	175.40	206.14	106.43	402.62	3,955.07	9,011.92	8,720.97	290.95	30.974		
16,300.00	6,227.00	13,922.00	6,300.97	177.04	206.14	106.43	402.62	3,955.07	9,111.88	8,820.91	290.97	31.315		
16,400.00	6,227.00	13,922.00	6,300.97	178.68	206.14	106.43	402.62	3,955.07	9,211.84	8,920.84	291.00	31.656		
16,500.00	6,227.00	13,922.00	6,300.97	180.32	206.14	106.43	402.62	3,955.07	9,311.79	9,020.77	291.02	31.997		
16,600.00	6,227.00	13,922.00	6,300.97	181.96	206.14	106.43	402.62	3,955.07	9,411.75	9,120.71	291.05	32.338		
16,700.00	6,227.00	13,922.00	6,300.97	183.61	206.14	106.43	402.62	3,955.07	9,511.71	9,220.64	291.07	32.678		
16,800.00	6,227.00	13,922.00	6,300.97	185.27	206.14	106.43	402.62	3,955.07	9,611.67	9,320.58	291.10	33.019		
16,900.00	6,227.00	13,922.00	6,300.97	186.92	206.14	106.43	402.62	3,955.07	9,711.63	9,420.51	291.12	33.359		
17,000.00	6,227.00	13,922.00	6,300.97	188.58	206.14	106.43	402.62	3,955.07	9,811.60	9,520.45	291.15	33.700		
17,100.00	6,227.00	13,922.00	6,300.97	190.24	206.14	106.43	402.62	3,955.07	9,911.56	9,620.38	291.17	34.040		
17,200.00	6,227.00	13,922.00	6,300.97	191.90	206.14	106.43	402.62	3,955.07	10,011.52	9,720.32	291.20	34.380		
17,300.00	6,227.00	13,922.00	6,300.97	193.57	206.14	106.43	402.62	3,955.07	10,111.49	9,820.26	291.23	34.720		
17,348.07	6,227.00	13,922.00	6,300.97	194.37	206.14	106.43	402.62	3,955.07	10,159.54	9,868.30	291.24	34.884		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	-60.86	66.66	-119.55	137.32				
100.00	100.00	88.70	88.70	0.27	0.13	-60.90	66.61	-119.69	136.98	136.58	0.40	340.727	CC
200.00	200.00	188.67	188.67	0.63	0.48	-61.05	66.43	-120.09	137.23	136.12	1.11	123.476	ES
300.00	299.98	290.41	290.40	0.98	0.83	-145.46	66.69	-119.55	138.34	136.52	1.81	76.275	
400.00	399.84	393.16	393.10	1.34	1.19	-145.54	68.13	-116.39	140.63	138.11	2.52	55.795	
500.00	499.45	493.18	492.96	1.71	1.54	-145.62	70.73	-111.52	144.79	141.55	3.24	44.733	
600.00	598.70	594.90	594.45	2.10	1.91	-146.05	73.91	-105.43	151.11	147.14	3.97	38.052	
700.00	697.47	698.55	697.70	2.51	2.30	-146.82	77.10	-97.10	158.51	153.78	4.72	33.549	
800.00	795.62	804.18	802.64	2.95	2.71	-147.91	79.67	-85.36	165.84	160.35	5.49	30.184	
900.00	893.06	910.88	908.15	3.44	3.15	-149.49	80.66	-69.52	172.18	165.90	6.27	27.442	
1,000.00	989.64	1,017.35	1,012.72	3.96	3.61	-151.36	80.40	-49.53	177.56	170.50	7.06	25.148	
1,100.00	1,085.27	1,122.68	1,115.43	4.54	4.10	-153.46	79.30	-26.22	182.75	174.91	7.84	23.302	
1,200.00	1,179.82	1,226.94	1,216.44	5.16	4.62	-155.90	77.19	-0.50	188.56	179.92	8.63	21.843	
1,300.00	1,273.17	1,334.94	1,320.09	5.85	5.22	-158.71	73.85	29.62	194.41	185.01	9.41	20.671	
1,400.00	1,365.21	1,436.26	1,416.46	6.59	5.82	-161.45	70.22	60.71	201.00	190.80	10.20	19.705	
1,500.00	1,455.84	1,537.46	1,512.46	7.40	6.44	-164.08	67.11	92.59	210.63	199.64	11.00	19.155	
1,600.00	1,544.94	1,642.36	1,611.38	8.28	7.13	-166.51	64.73	127.39	222.45	210.65	11.79	18.859	
1,700.00	1,632.39	1,750.84	1,712.11	9.23	7.90	-168.62	63.12	167.60	233.94	221.34	12.60	18.572	
1,800.00	1,718.11	1,857.34	1,809.49	10.25	8.71	-169.88	64.47	210.65	245.73	232.29	13.44	18.287	
1,900.00	1,801.97	1,967.81	1,908.58	11.35	9.64	-170.58	68.36	259.32	257.20	242.91	14.28	18.005	
2,005.96	1,888.70	2,078.11	2,005.78	12.60	10.64	-170.93	73.99	311.16	269.73	254.47	15.26	17.678	
2,100.00	1,964.66	2,164.99	2,082.14	13.75	11.44	-170.92	80.04	352.13	282.46	266.25	16.21	17.427	
2,200.00	2,045.44	2,261.83	2,168.14	14.99	12.32	-170.51	88.99	395.73	298.41	281.18	17.23	17.323	
2,300.00	2,126.22	2,366.45	2,260.16	16.24	13.29	-169.81	100.22	444.23	312.95	294.68	18.27	17.133	
2,400.00	2,207.00	2,467.11	2,348.04	17.50	14.25	-169.02	111.89	491.90	326.45	307.08	19.37	16.855	
2,500.00	2,287.78	2,560.49	2,429.84	18.77	15.14	-168.33	122.82	535.60	340.64	320.13	20.50	16.614	
2,600.00	2,368.56	2,670.49	2,526.05	20.04	16.22	-167.56	135.86	587.29	354.72	333.05	21.67	16.369	
2,700.00	2,449.34	2,776.77	2,616.94	21.31	17.32	-166.61	149.62	640.61	365.26	342.34	22.92	15.934	
2,800.00	2,530.12	2,875.35	2,700.77	22.59	18.36	-165.63	163.23	690.67	375.31	351.06	24.25	15.476	
2,900.00	2,610.90	2,970.98	2,782.61	23.88	19.37	-164.81	176.03	738.46	386.31	360.72	25.59	15.096	
3,000.00	2,691.68	3,078.93	2,874.72	25.16	20.52	-164.02	189.75	793.04	396.67	369.70	26.97	14.709	
3,100.00	2,772.46	3,176.81	2,957.86	26.45	21.58	-163.42	201.48	843.35	406.04	377.70	28.33	14.331	
3,200.00	2,853.23	3,274.05	3,040.96	27.74	22.63	-163.00	212.24	892.67	416.08	386.42	29.66	14.026	
3,300.00	2,934.01	3,371.59	3,124.74	29.03	23.67	-162.73	222.10	941.65	426.58	395.62	30.96	13.779	
3,400.00	3,014.79	3,468.59	3,208.30	30.32	24.70	-162.49	231.94	989.93	437.60	405.35	32.25	13.569	
3,500.00	3,095.57	3,581.45	3,304.92	31.61	25.93	-162.25	242.91	1,047.20	447.46	413.86	33.59	13.320	
3,600.00	3,176.35	3,696.79	3,401.67	32.91	27.26	-161.93	253.92	1,108.99	454.06	419.08	34.98	12.980	
3,700.00	3,257.13	3,806.29	3,491.45	34.20	28.58	-161.40	265.51	1,170.60	457.71	421.22	36.48	12.545	
3,800.00	3,337.91	3,902.41	3,569.84	35.50	29.75	-161.00	274.93	1,225.42	460.38	422.41	37.97	12.125	
3,900.00	3,418.69	3,980.00	3,634.24	36.80	30.69	-160.82	281.86	1,268.13	465.48	426.15	39.33	11.835	
4,000.00	3,499.47	4,070.85	3,711.50	38.09	31.69	-160.82	289.15	1,315.36	473.75	433.18	40.57	11.678	
4,100.00	3,580.25	4,160.13	3,789.25	39.39	32.63	-161.00	295.52	1,358.78	485.44	443.78	41.66	11.652	SF
4,200.00	3,661.03	4,255.42	3,872.72	40.69	33.60	-161.24	302.17	1,404.24	498.19	455.44	42.74	11.655	
4,300.00	3,741.81	4,349.61	3,955.56	41.99	34.55	-161.42	309.31	1,448.51	511.82	467.99	43.83	11.676	
4,400.00	3,822.58	4,450.15	4,044.01	43.29	35.56	-161.51	317.83	1,495.55	525.87	480.85	45.02	11.681	
4,500.00	3,903.36	4,547.28	4,129.26	44.59	36.53	-161.52	326.62	1,541.25	539.72	493.50	46.22	11.677	
4,600.00	3,984.14	4,636.03	4,207.63	45.89	37.40	-161.62	334.06	1,582.24	554.45	507.16	47.29	11.724	
4,700.00	4,064.92	4,709.79	4,274.08	47.20	38.06	-161.84	339.43	1,613.78	572.61	524.54	48.07	11.911	
4,800.00	4,145.70	4,795.50	4,352.79	48.50	38.79	-162.24	344.81	1,647.27	594.41	545.59	48.83	12.174	
4,900.00	4,226.48	4,889.92	4,439.70	49.80	39.56	-162.66	350.86	1,683.66	616.89	567.23	49.66	12.422	
5,000.00	4,307.26	4,978.84	4,521.99	51.10	40.27	-163.10	355.87	1,716.99	640.36	589.98	50.38	12.710	

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,100.00	4,388.04	5,089.67	4,624.53	52.40	41.16	-163.63	361.88	1,758.61	663.81	612.47	51.34	12.928	
5,200.00	4,468.82	5,185.95	4,712.76	53.71	41.95	-163.90	368.63	1,796.52	685.60	633.32	52.28	13.115	
5,300.00	4,549.60	5,251.00	4,772.52	55.01	42.49	-164.00	374.12	1,821.63	708.99	656.13	52.87	13.411	
5,400.00	4,630.38	5,332.34	4,848.12	56.31	43.09	-164.10	381.84	1,850.59	735.29	681.64	53.65	13.705	
5,500.00	4,711.16	5,399.17	4,911.30	57.62	43.56	-164.17	388.65	1,871.30	765.99	711.84	54.16	14.144	
5,600.00	4,791.93	5,474.18	4,982.97	58.92	44.01	-164.35	395.42	1,892.35	799.47	744.78	54.70	14.616	
5,700.00	4,872.71	5,541.51	5,047.89	60.23	44.38	-164.59	400.57	1,909.43	835.45	780.44	55.01	15.187	
5,800.00	4,953.49	5,602.61	5,107.31	61.53	44.69	-164.81	405.41	1,922.78	874.73	819.56	55.17	15.855	
5,900.00	5,034.27	5,668.32	5,171.67	62.83	44.98	-165.04	410.73	1,934.94	917.09	861.70	55.39	16.557	
6,000.00	5,115.05	5,738.32	5,240.56	64.14	45.27	-165.33	415.62	1,946.28	961.49	905.83	55.66	17.275	
6,100.00	5,195.83	5,801.27	5,302.81	65.44	45.48	-165.65	419.15	1,954.99	1,007.93	952.20	55.74	18.084	
6,200.00	5,276.61	5,860.09	5,361.24	66.75	45.67	-166.00	421.45	1,961.39	1,056.81	1,001.12	55.69	18.976	
6,300.00	5,357.39	5,921.79	5,422.71	68.05	45.84	-166.42	422.87	1,966.40	1,107.96	1,052.29	55.67	19.901	
6,400.00	5,438.17	5,985.50	5,486.29	69.36	45.99	-166.87	423.59	1,970.31	1,160.82	1,105.13	55.69	20.844	
6,500.00	5,518.95	6,047.11	5,547.85	70.66	46.11	-167.33	423.58	1,972.91	1,215.28	1,159.61	55.67	21.831	
6,600.00	5,599.73	6,106.73	5,607.44	71.97	46.22	-167.78	422.91	1,974.28	1,271.35	1,215.73	55.61	22.861	
6,700.00	5,680.51	6,172.37	5,673.07	73.27	46.32	-168.29	421.48	1,974.62	1,328.86	1,273.18	55.68	23.865	
6,800.00	5,761.29	6,248.00	5,748.67	74.58	46.42	-168.86	419.26	1,974.50	1,387.02	1,331.06	55.95	24.789	
6,837.84	5,791.85	6,280.34	5,780.99	75.07	46.47	-169.09	418.22	1,974.42	1,409.08	1,352.95	56.13	25.104	
6,850.00	5,801.67	6,290.94	5,791.58	75.23	46.48	-166.66	417.85	1,974.40	1,416.15	1,359.96	56.19	25.204	
6,900.00	5,841.80	6,334.49	5,835.07	75.88	46.54	-157.07	415.48	1,974.37	1,444.89	1,388.52	56.37	25.634	
6,950.00	5,881.33	6,364.00	5,864.38	76.52	46.57	-148.05	412.12	1,974.28	1,473.13	1,416.92	56.21	26.210	
7,000.00	5,919.97	6,384.55	5,884.64	77.14	46.59	-139.63	408.69	1,974.02	1,501.13	1,445.29	55.84	26.883	
7,050.00	5,957.41	6,396.00	5,895.85	77.74	46.60	-131.73	406.41	1,973.75	1,528.97	1,473.66	55.31	27.644	
7,100.00	5,993.37	6,413.52	5,912.92	78.32	46.62	-124.80	402.50	1,973.14	1,556.49	1,501.64	54.85	28.376	
7,150.00	6,027.59	6,428.00	5,926.95	78.86	46.63	-118.52	398.97	1,972.46	1,583.64	1,529.28	54.36	29.130	
7,200.00	6,059.79	6,442.17	5,940.60	79.36	46.63	-112.94	395.26	1,971.73	1,610.24	1,556.33	53.91	29.870	
7,250.00	6,089.73	6,459.00	5,956.74	79.83	46.64	-108.12	390.55	1,970.86	1,636.14	1,582.58	53.56	30.549	
7,300.00	6,117.20	6,466.93	5,964.30	80.25	46.64	-103.56	388.22	1,970.45	1,661.29	1,608.15	53.15	31.259	
7,350.00	6,141.96	6,473.09	5,970.17	80.63	46.64	-99.47	386.36	1,970.11	1,685.63	1,632.83	52.80	31.923	
7,400.00	6,163.85	6,476.98	5,973.86	80.98	46.65	-95.81	385.16	1,969.89	1,709.05	1,656.51	52.53	32.532	
7,450.00	6,182.69	6,478.77	5,975.56	81.28	46.65	-92.54	384.60	1,969.79	1,731.43	1,679.07	52.36	33.069	
7,500.00	6,198.33	6,478.66	5,975.45	81.54	46.65	-89.65	384.63	1,969.80	1,752.66	1,700.37	52.29	33.517	
7,550.00	6,210.67	6,476.83	5,973.71	81.77	46.65	-87.12	385.21	1,969.90	1,772.62	1,720.27	52.35	33.864	
7,600.00	6,219.60	6,473.44	5,970.49	81.96	46.64	-84.94	386.25	1,970.09	1,791.19	1,738.66	52.53	34.096	
7,650.00	6,225.05	6,468.65	5,965.94	82.11	46.64	-83.11	387.70	1,970.35	1,808.27	1,755.40	52.86	34.206	
7,702.53	6,227.00	6,459.00	5,956.74	82.24	46.64	-81.46	390.55	1,970.86	1,824.48	1,771.19	53.29	34.238	
7,800.00	6,227.00	6,447.29	5,945.52	82.45	46.63	-81.09	393.86	1,971.47	1,855.04	1,800.44	54.60	33.975	
7,900.00	6,227.00	6,428.00	5,926.95	82.68	46.63	-80.49	398.97	1,972.46	1,890.92	1,834.82	56.10	33.709	
8,000.00	6,227.00	6,428.00	5,926.95	82.93	46.63	-80.49	398.97	1,972.46	1,931.13	1,872.81	58.32	33.110	
8,100.00	6,227.00	6,416.36	5,915.68	83.20	46.62	-80.12	401.83	1,973.02	1,975.48	1,915.06	60.42	32.695	
8,200.00	6,227.00	6,409.91	5,909.41	83.49	46.61	-79.92	403.34	1,973.28	2,023.73	1,961.00	62.73	32.261	
8,300.00	6,227.00	6,396.00	5,895.85	83.80	46.60	-79.48	406.41	1,973.75	2,075.67	2,010.78	64.89	31.986	
8,400.00	6,227.00	6,396.00	5,895.85	84.12	46.60	-79.48	406.41	1,973.75	2,130.88	2,063.53	67.35	31.638	
8,500.00	6,227.00	6,396.00	5,895.85	84.47	46.60	-79.48	406.41	1,973.75	2,189.26	2,119.52	69.74	31.390	
8,600.00	6,227.00	6,396.00	5,895.85	84.83	46.60	-79.48	406.41	1,973.75	2,250.57	2,178.53	72.05	31.238	
8,700.00	6,227.00	6,396.00	5,895.85	85.22	46.60	-79.48	406.41	1,973.75	2,314.59	2,240.34	74.25	31.174	
8,800.00	6,227.00	6,382.70	5,882.82	85.62	46.59	-79.06	409.04	1,974.06	2,380.87	2,304.77	76.09	31.289	
8,900.00	6,227.00	6,379.56	5,879.73	86.05	46.59	-78.96	409.60	1,974.12	2,449.52	2,371.50	78.02	31.396	
9,000.00	6,227.00	6,364.00	5,864.38	86.51	46.57	-78.47	412.12	1,974.28	2,520.45	2,440.81	79.64	31.649	
9,100.00	6,227.00	6,364.00	5,864.38	86.98	46.57	-78.47	412.12	1,974.28	2,593.02	2,511.61	81.40	31.854	

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-20-07
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-20-07	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	
9,200.00	6,227.00	6,364.00	5,864.38	87.49	46.57	-78.47	412.12	1,974.28	2,667.36	2,584.30	83.06	32.114	
9,300.00	6,227.00	6,364.00	5,864.38	88.01	46.57	-78.47	412.12	1,974.28	2,743.34	2,658.73	84.61	32.423	
9,400.00	6,227.00	6,364.00	5,864.38	88.56	46.57	-78.47	412.12	1,974.28	2,820.81	2,734.75	86.06	32.777	
9,500.00	6,227.00	6,364.00	5,864.38	89.14	46.57	-78.47	412.12	1,974.28	2,899.66	2,812.25	87.42	33.170	
9,600.00	6,227.00	6,364.00	5,864.38	89.75	46.57	-78.47	412.12	1,974.28	2,979.79	2,891.10	88.69	33.599	
9,700.00	6,227.00	6,364.00	5,864.38	90.38	46.57	-78.47	412.12	1,974.28	3,061.08	2,971.21	89.87	34.060	
9,800.00	6,227.00	6,364.00	5,864.38	91.04	46.57	-78.47	412.12	1,974.28	3,143.45	3,052.47	90.98	34.550	
9,900.00	6,227.00	6,364.00	5,864.38	91.73	46.57	-78.47	412.12	1,974.28	3,226.82	3,134.80	92.02	35.065	
10,000.00	6,227.00	6,364.00	5,864.38	92.44	46.57	-78.47	412.12	1,974.28	3,311.11	3,218.11	93.00	35.605	
10,100.00	6,227.00	6,364.00	5,864.38	93.19	46.57	-78.47	412.12	1,974.28	3,396.25	3,302.34	93.91	36.165	
10,200.00	6,227.00	6,364.00	5,864.38	93.96	46.57	-78.47	412.12	1,974.28	3,482.18	3,387.42	94.77	36.745	
10,300.00	6,227.00	6,349.99	5,850.49	94.76	46.56	-78.02	413.95	1,974.34	3,568.62	3,473.18	95.44	37.391	
10,400.00	6,227.00	6,348.60	5,849.11	95.59	46.55	-77.98	414.11	1,974.34	3,655.92	3,559.73	96.19	38.007	
10,500.00	6,227.00	6,347.28	5,847.79	96.45	46.55	-77.94	414.26	1,974.34	3,743.85	3,646.96	96.90	38.638	
10,600.00	6,227.00	6,333.00	5,833.58	97.34	46.54	-77.49	415.60	1,974.37	3,832.56	3,735.11	97.45	39.327	
10,700.00	6,227.00	6,333.00	5,833.58	98.26	46.54	-77.49	415.60	1,974.37	3,921.60	3,823.50	98.09	39.978	
10,800.00	6,227.00	6,333.00	5,833.58	99.20	46.54	-77.49	415.60	1,974.37	4,011.15	3,912.45	98.70	40.640	
10,900.00	6,227.00	6,333.00	5,833.58	100.18	46.54	-77.49	415.60	1,974.37	4,101.18	4,001.91	99.27	41.313	
11,000.00	6,227.00	6,333.00	5,833.58	101.18	46.54	-77.49	415.60	1,974.37	4,191.67	4,091.86	99.81	41.996	
11,100.00	6,227.00	6,333.00	5,833.58	102.20	46.54	-77.49	415.60	1,974.37	4,282.58	4,182.25	100.32	42.688	
11,200.00	6,227.00	6,333.00	5,833.58	103.26	46.54	-77.49	415.60	1,974.37	4,373.88	4,273.07	100.81	43.388	
11,300.00	6,227.00	6,333.00	5,833.58	104.33	46.54	-77.49	415.60	1,974.37	4,465.56	4,364.29	101.27	44.096	
11,400.00	6,227.00	6,333.00	5,833.58	105.44	46.54	-77.49	415.60	1,974.37	4,557.59	4,455.88	101.71	44.812	
11,500.00	6,227.00	6,333.00	5,833.58	106.57	46.54	-77.49	415.60	1,974.37	4,649.94	4,547.82	102.12	45.534	
11,600.00	6,227.00	6,333.00	5,833.58	107.72	46.54	-77.49	415.60	1,974.37	4,742.61	4,640.09	102.52	46.262	
11,700.00	6,227.00	6,333.00	5,833.58	108.89	46.54	-77.49	415.60	1,974.37	4,835.57	4,732.68	102.89	46.995	
11,800.00	6,227.00	6,333.00	5,833.58	110.09	46.54	-77.49	415.60	1,974.37	4,928.81	4,825.55	103.25	47.735	
11,900.00	6,227.00	6,333.00	5,833.58	111.31	46.54	-77.49	415.60	1,974.37	5,022.30	4,918.70	103.60	48.479	
12,000.00	6,227.00	6,333.00	5,833.58	112.54	46.54	-77.49	415.60	1,974.37	5,116.04	5,012.12	103.93	49.228	
12,100.00	6,227.00	6,333.00	5,833.58	113.80	46.54	-77.49	415.60	1,974.37	5,210.02	5,105.78	104.24	49.981	
12,200.00	6,227.00	6,333.00	5,833.58	115.08	46.54	-77.49	415.60	1,974.37	5,304.21	5,199.67	104.54	50.738	
12,300.00	6,227.00	6,333.00	5,833.58	116.37	46.54	-77.49	415.60	1,974.37	5,398.61	5,293.78	104.83	51.499	
12,400.00	6,227.00	6,333.00	5,833.58	117.69	46.54	-77.49	415.60	1,974.37	5,493.22	5,388.11	105.11	52.264	
12,500.00	6,227.00	6,333.00	5,833.58	119.02	46.54	-77.49	415.60	1,974.37	5,588.00	5,482.63	105.37	53.031	
12,600.00	6,227.00	6,333.00	5,833.58	120.36	46.54	-77.49	415.60	1,974.37	5,682.97	5,577.35	105.63	53.802	
12,700.00	6,227.00	6,333.00	5,833.58	121.72	46.54	-77.49	415.60	1,974.37	5,778.11	5,672.24	105.87	54.576	
12,800.00	6,227.00	6,333.00	5,833.58	123.10	46.54	-77.49	415.60	1,974.37	5,873.41	5,767.30	106.11	55.353	
12,900.00	6,227.00	6,333.00	5,833.58	124.49	46.54	-77.49	415.60	1,974.37	5,968.86	5,862.53	106.34	56.132	
13,000.00	6,227.00	6,333.00	5,833.58	125.89	46.54	-77.49	415.60	1,974.37	6,064.46	5,957.91	106.56	56.914	
13,100.00	6,227.00	6,333.00	5,833.58	127.31	46.54	-77.49	415.60	1,974.37	6,160.20	6,053.43	106.77	57.698	
13,200.00	6,227.00	6,333.00	5,833.58	128.74	46.54	-77.49	415.60	1,974.37	6,256.07	6,149.10	106.97	58.484	
13,300.00	6,227.00	6,333.00	5,833.58	130.18	46.54	-77.49	415.60	1,974.37	6,352.07	6,244.90	107.17	59.272	
13,400.00	6,227.00	6,333.00	5,833.58	131.63	46.54	-77.49	415.60	1,974.37	6,448.20	6,340.84	107.36	60.061	
13,500.00	6,227.00	6,333.00	5,833.58	133.09	46.54	-77.49	415.60	1,974.37	6,544.43	6,436.89	107.55	60.853	
13,600.00	6,227.00	6,333.00	5,833.58	134.57	46.54	-77.49	415.60	1,974.37	6,640.78	6,533.06	107.72	61.646	
13,700.00	6,227.00	6,333.00	5,833.58	136.05	46.54	-77.49	415.60	1,974.37	6,737.24	6,629.34	107.90	62.441	
13,800.00	6,227.00	6,318.19	5,818.81	137.54	46.52	-77.02	416.63	1,974.38	6,833.65	6,725.64	108.01	63.269	
13,900.00	6,227.00	6,317.56	5,818.17	139.05	46.52	-77.00	416.67	1,974.38	6,930.29	6,822.12	108.17	64.068	
14,000.00	6,227.00	6,316.94	5,817.55	140.56	46.51	-76.98	416.70	1,974.38	7,027.02	6,918.69	108.33	64.868	
14,100.00	6,227.00	6,316.33	5,816.95	142.07	46.51	-76.96	416.74	1,974.38	7,123.85	7,015.37	108.48	65.669	
14,200.00	6,227.00	6,315.74	5,816.36	143.60	46.51	-76.94	416.77	1,974.38	7,220.76	7,112.13	108.63	66.471	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 36-T5N-R63W - EXIST HZ STATE NORTH PLATTE K-O-36HC - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 92-MWD OWSG, 7544-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,300.00	6,227.00	6,301.00	5,801.64	145.14	46.49	-76.48	417.47	1,974.39	7,317.89	7,209.16	108.72	67.307	
14,400.00	6,227.00	6,301.00	5,801.64	146.68	46.49	-76.48	417.47	1,974.39	7,414.95	7,306.08	108.87	68.109	
14,500.00	6,227.00	6,301.00	5,801.64	148.23	46.49	-76.48	417.47	1,974.39	7,512.09	7,403.08	109.01	68.912	
14,600.00	6,227.00	6,301.00	5,801.64	149.78	46.49	-76.48	417.47	1,974.39	7,609.30	7,500.16	109.15	69.717	
14,700.00	6,227.00	6,301.00	5,801.64	151.35	46.49	-76.48	417.47	1,974.39	7,706.59	7,597.31	109.28	70.522	
14,800.00	6,227.00	6,301.00	5,801.64	152.91	46.49	-76.48	417.47	1,974.39	7,803.94	7,694.53	109.41	71.327	
14,900.00	6,227.00	6,301.00	5,801.64	154.49	46.49	-76.48	417.47	1,974.39	7,901.36	7,791.82	109.54	72.133	
15,000.00	6,227.00	6,301.00	5,801.64	156.07	46.49	-76.48	417.47	1,974.39	7,998.85	7,889.18	109.66	72.940	
15,100.00	6,227.00	6,301.00	5,801.64	157.65	46.49	-76.48	417.47	1,974.39	8,096.39	7,986.61	109.78	73.748	
15,200.00	6,227.00	6,301.00	5,801.64	159.24	46.49	-76.48	417.47	1,974.39	8,194.00	8,084.09	109.90	74.556	
15,300.00	6,227.00	6,301.00	5,801.64	160.84	46.49	-76.48	417.47	1,974.39	8,291.66	8,181.63	110.02	75.364	
15,400.00	6,227.00	6,301.00	5,801.64	162.44	46.49	-76.48	417.47	1,974.39	8,389.37	8,279.24	110.14	76.173	
15,500.00	6,227.00	6,301.00	5,801.64	164.05	46.49	-76.48	417.47	1,974.39	8,487.14	8,376.89	110.25	76.982	
15,600.00	6,227.00	6,301.00	5,801.64	165.66	46.49	-76.48	417.47	1,974.39	8,584.96	8,474.60	110.36	77.792	
15,700.00	6,227.00	6,301.00	5,801.64	167.27	46.49	-76.48	417.47	1,974.39	8,682.83	8,572.37	110.47	78.601	
15,800.00	6,227.00	6,301.00	5,801.64	168.89	46.49	-76.48	417.47	1,974.39	8,780.75	8,670.18	110.57	79.411	
15,900.00	6,227.00	6,301.00	5,801.64	170.51	46.49	-76.48	417.47	1,974.39	8,878.72	8,768.04	110.68	80.222	
16,000.00	6,227.00	6,301.00	5,801.64	172.14	46.49	-76.48	417.47	1,974.39	8,976.73	8,865.95	110.78	81.032	
16,100.00	6,227.00	6,301.00	5,801.64	173.77	46.49	-76.48	417.47	1,974.39	9,074.78	8,963.90	110.88	81.843	
16,200.00	6,227.00	6,301.00	5,801.64	175.40	46.49	-76.48	417.47	1,974.39	9,172.87	9,061.89	110.98	82.653	
16,300.00	6,227.00	6,301.00	5,801.64	177.04	46.49	-76.48	417.47	1,974.39	9,271.01	9,159.93	111.08	83.464	
16,400.00	6,227.00	6,301.00	5,801.64	178.68	46.49	-76.48	417.47	1,974.39	9,369.19	9,258.01	111.17	84.275	
16,500.00	6,227.00	6,301.00	5,801.64	180.32	46.49	-76.48	417.47	1,974.39	9,467.40	9,356.13	111.27	85.086	
16,600.00	6,227.00	6,301.00	5,801.64	181.96	46.49	-76.48	417.47	1,974.39	9,565.65	9,454.29	111.36	85.897	
16,700.00	6,227.00	6,301.00	5,801.64	183.61	46.49	-76.48	417.47	1,974.39	9,663.94	9,552.48	111.45	86.708	
16,800.00	6,227.00	6,301.00	5,801.64	185.27	46.49	-76.48	417.47	1,974.39	9,762.26	9,650.71	111.55	87.518	
16,900.00	6,227.00	6,301.00	5,801.64	186.92	46.49	-76.48	417.47	1,974.39	9,860.61	9,748.98	111.64	88.329	
17,000.00	6,227.00	6,301.00	5,801.64	188.58	46.49	-76.48	417.47	1,974.39	9,959.00	9,847.28	111.72	89.140	
17,100.00	6,227.00	6,301.00	5,801.64	190.24	46.49	-76.48	417.47	1,974.39	10,057.42	9,945.61	111.81	89.950	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	141.60	-4,295.33	3,404.92	5,481.18				
100.00	100.00	111.19	111.19	0.27	0.19	141.60	-4,295.24	3,404.92	5,481.11	5,480.65	0.46	N/A	
200.00	200.00	218.11	218.11	0.63	0.38	141.59	-4,294.99	3,404.90	5,480.92	5,479.91	1.01	5,441.464	
300.00	299.98	325.00	325.00	0.98	0.57	57.42	-4,294.57	3,404.88	5,479.66	5,478.11	1.55	3,543.921	
400.00	399.84	431.77	431.76	1.34	0.75	57.53	-4,293.98	3,404.85	5,476.39	5,474.31	2.09	2,622.725	
500.00	499.45	538.27	538.26	1.71	0.94	57.69	-4,293.23	3,404.81	5,471.14	5,468.50	2.64	2,072.163	
600.00	598.70	638.69	638.68	2.10	1.18	57.92	-4,292.40	3,404.77	5,463.93	5,460.67	3.26	1,674.334	
700.00	697.47	740.70	740.69	2.51	1.55	58.21	-4,291.66	3,404.68	5,454.95	5,450.92	4.03	1,354.447	
800.00	795.62	829.83	829.82	2.95	1.86	58.55	-4,291.05	3,404.36	5,444.06	5,439.29	4.77	1,141.934	
900.00	893.06	903.15	903.13	3.44	2.12	58.91	-4,290.93	3,404.16	5,431.85	5,426.37	5.48	991.895	
1,000.00	989.64	987.93	987.90	3.96	2.41	59.36	-4,291.96	3,402.83	5,418.24	5,411.99	6.25	866.613	
1,100.00	1,085.27	1,081.30	1,081.19	4.54	2.73	59.92	-4,294.29	3,400.01	5,403.13	5,396.03	7.09	761.605	
1,200.00	1,179.82	1,220.07	1,219.46	5.16	3.22	60.76	-4,300.86	3,390.56	5,385.99	5,377.84	8.15	660.674	
1,300.00	1,273.17	1,329.35	1,327.76	5.85	3.63	61.61	-4,308.51	3,378.38	5,366.75	5,357.57	9.18	584.730	
1,400.00	1,365.21	1,366.77	1,364.65	6.59	3.78	62.18	-4,312.04	3,373.19	5,346.66	5,336.66	10.00	534.777	
1,500.00	1,455.84	1,398.62	1,396.02	7.40	3.90	62.73	-4,315.41	3,368.82	5,326.26	5,315.41	10.86	490.598	
1,600.00	1,544.94	1,432.51	1,429.36	8.28	4.04	63.32	-4,319.35	3,364.25	5,305.61	5,293.82	11.79	450.097	
1,700.00	1,632.39	1,514.25	1,509.83	9.23	4.38	64.24	-4,329.00	3,353.54	5,284.34	5,271.35	12.99	406.855	
1,800.00	1,718.11	1,648.35	1,641.99	10.25	4.94	65.57	-4,343.46	3,336.07	5,261.48	5,246.99	14.49	363.112	
1,900.00	1,801.97	10,875.52	6,368.58	11.35	80.48	145.46	-71.51	2,943.87	5,183.33	5,127.83	55.50	93.387	
2,005.96	1,888.70	10,884.11	6,368.76	12.60	80.63	153.52	-62.93	2,943.96	5,078.45	5,022.89	55.56	91.410	
2,100.00	1,964.66	10,891.86	6,368.92	13.75	80.76	153.99	-55.17	2,944.04	4,985.62	4,930.03	55.59	89.683	
2,200.00	2,045.44	10,900.11	6,369.10	14.99	80.90	154.50	-46.92	2,944.12	4,886.95	4,831.31	55.63	87.840	
2,300.00	2,126.22	10,908.36	6,369.27	16.24	81.04	155.02	-38.68	2,944.21	4,788.31	4,732.64	55.68	85.999	
2,400.00	2,207.00	10,915.00	6,369.41	17.50	81.15	155.43	-32.04	2,944.28	4,689.72	4,634.02	55.71	84.186	
2,500.00	2,287.78	10,915.00	6,369.41	18.77	81.15	155.43	-32.04	2,944.28	4,591.19	4,535.52	55.67	82.474	
2,600.00	2,368.56	10,915.00	6,369.41	20.04	81.15	155.43	-32.04	2,944.28	4,492.72	4,437.09	55.63	80.756	
2,700.00	2,449.34	10,915.00	6,369.41	21.31	81.15	155.43	-32.04	2,944.28	4,394.32	4,338.72	55.60	79.033	
2,800.00	2,530.12	10,915.00	6,369.41	22.59	81.15	155.43	-32.04	2,944.28	4,296.00	4,240.42	55.57	77.305	
2,900.00	2,610.90	10,915.00	6,369.41	23.88	81.15	155.43	-32.04	2,944.28	4,197.75	4,142.20	55.55	75.572	
3,000.00	2,691.68	10,915.00	6,369.41	25.16	81.15	155.43	-32.04	2,944.28	4,099.59	4,044.06	55.52	73.835	
3,100.00	2,772.46	10,915.00	6,369.41	26.45	81.15	155.43	-32.04	2,944.28	4,001.52	3,946.01	55.50	72.095	
3,200.00	2,853.23	10,915.00	6,369.41	27.74	81.15	155.43	-32.04	2,944.28	3,903.55	3,848.06	55.49	70.351	
3,300.00	2,934.01	10,915.00	6,369.41	29.03	81.15	155.43	-32.04	2,944.28	3,805.68	3,750.21	55.47	68.606	
3,400.00	3,014.79	10,915.00	6,369.41	30.32	81.15	155.43	-32.04	2,944.28	3,707.92	3,652.46	55.46	66.858	
3,500.00	3,095.57	10,915.00	6,369.41	31.61	81.15	155.43	-32.04	2,944.28	3,610.29	3,554.84	55.45	65.109	
3,600.00	3,176.35	10,915.00	6,369.41	32.91	81.15	155.43	-32.04	2,944.28	3,512.80	3,457.35	55.44	63.359	
3,700.00	3,257.13	10,915.00	6,369.41	34.20	81.15	155.43	-32.04	2,944.28	3,415.44	3,360.01	55.44	61.608	
3,800.00	3,337.91	10,915.00	6,369.41	35.50	81.15	155.43	-32.04	2,944.28	3,318.25	3,262.81	55.44	59.857	
3,900.00	3,418.69	10,915.00	6,369.41	36.80	81.15	155.43	-32.04	2,944.28	3,221.23	3,165.79	55.44	58.107	
4,000.00	3,499.47	10,915.00	6,369.41	38.09	81.15	155.43	-32.04	2,944.28	3,124.39	3,068.95	55.44	56.356	
4,100.00	3,580.25	10,915.00	6,369.41	39.39	81.15	155.43	-32.04	2,944.28	3,027.76	2,972.31	55.45	54.606	
4,200.00	3,661.03	10,915.00	6,369.41	40.69	81.15	155.43	-32.04	2,944.28	2,931.36	2,875.90	55.46	52.858	
4,300.00	3,741.81	10,915.00	6,369.41	41.99	81.15	155.43	-32.04	2,944.28	2,835.20	2,779.73	55.47	51.111	
4,400.00	3,822.58	10,915.00	6,369.41	43.29	81.15	155.43	-32.04	2,944.28	2,739.32	2,683.83	55.49	49.365	
4,500.00	3,903.36	10,915.00	6,369.41	44.59	81.15	155.43	-32.04	2,944.28	2,643.75	2,588.23	55.52	47.622	
4,600.00	3,984.14	10,915.00	6,369.41	45.89	81.15	155.43	-32.04	2,944.28	2,548.52	2,492.97	55.55	45.880	
4,700.00	4,064.92	10,915.00	6,369.41	47.20	81.15	155.43	-32.04	2,944.28	2,453.66	2,398.07	55.59	44.141	
4,800.00	4,145.70	10,915.00	6,369.41	48.50	81.15	155.43	-32.04	2,944.28	2,359.23	2,303.59	55.64	42.404	
4,900.00	4,226.48	10,915.00	6,369.41	49.80	81.15	155.43	-32.04	2,944.28	2,265.28	2,209.58	55.70	40.670	
5,000.00	4,307.26	10,915.00	6,369.41	51.10	81.15	155.43	-32.04	2,944.28	2,171.87	2,116.09	55.78	38.938	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	4,388.04	10,915.00	6,369.41	52.40	81.15	155.43	-32.04	2,944.28	2,079.07	2,023.19	55.88	37.208		
5,200.00	4,468.82	10,915.00	6,369.41	53.71	81.15	155.43	-32.04	2,944.28	1,986.97	1,930.97	56.00	35.481		
5,300.00	4,549.60	10,915.00	6,369.41	55.01	81.15	155.43	-32.04	2,944.28	1,895.67	1,839.51	56.16	33.755		
5,400.00	4,630.38	10,915.00	6,369.41	56.31	81.15	155.43	-32.04	2,944.28	1,805.29	1,748.93	56.36	32.030		
5,500.00	4,711.16	10,915.00	6,369.41	57.62	81.15	155.43	-32.04	2,944.28	1,715.98	1,659.36	56.62	30.305		
5,600.00	4,791.93	10,915.00	6,369.41	58.92	81.15	155.43	-32.04	2,944.28	1,627.92	1,570.95	56.96	28.578		
5,700.00	4,872.71	10,915.00	6,369.41	60.23	81.15	155.43	-32.04	2,944.28	1,541.31	1,483.90	57.41	26.847		
5,800.00	4,953.49	10,915.00	6,369.41	61.53	81.15	155.43	-32.04	2,944.28	1,456.42	1,398.42	58.00	25.109		
5,900.00	5,034.27	10,915.00	6,369.41	62.83	81.15	155.43	-32.04	2,944.28	1,373.56	1,314.77	58.79	23.363		
6,000.00	5,115.05	10,915.00	6,369.41	64.14	81.15	155.43	-32.04	2,944.28	1,293.13	1,233.28	59.86	21.604		
6,100.00	5,195.83	10,915.00	6,369.41	65.44	81.15	155.43	-32.04	2,944.28	1,215.61	1,154.32	61.29	19.833		
6,200.00	5,276.61	10,915.00	6,369.41	66.75	81.15	155.43	-32.04	2,944.28	1,141.59	1,078.36	63.23	18.054		
6,300.00	5,357.39	10,915.00	6,369.41	68.05	81.15	155.43	-32.04	2,944.28	1,071.80	1,005.97	65.83	16.282		
6,400.00	5,438.17	10,915.00	6,369.41	69.36	81.15	155.43	-32.04	2,944.28	1,007.11	937.87	69.24	14.545		
6,500.00	5,518.95	10,915.00	6,369.41	70.66	81.15	155.43	-32.04	2,944.28	948.57	874.98	73.60	12.889		
6,600.00	5,599.73	10,915.00	6,369.41	71.97	81.15	155.43	-32.04	2,944.28	897.39	818.47	78.92	11.370		
6,700.00	5,680.51	10,915.00	6,369.41	73.27	81.15	155.43	-32.04	2,944.28	854.88	769.79	85.09	10.046		
6,800.00	5,761.29	10,915.00	6,369.41	74.58	81.15	155.43	-32.04	2,944.28	822.40	730.61	91.79	8.959		
6,837.84	5,791.85	10,915.00	6,369.41	75.07	81.15	155.43	-32.04	2,944.28	812.99	718.62	94.37	8.615		
6,850.00	5,801.67	10,915.00	6,369.41	75.23	81.15	156.85	-32.04	2,944.28	810.37	715.18	95.20	8.513		
6,900.00	5,841.80	10,915.00	6,369.41	75.88	81.15	162.82	-32.04	2,944.28	802.82	704.26	98.57	8.145		
6,946.46	5,878.56	10,915.00	6,369.41	76.47	81.15	168.39	-32.04	2,944.28	800.52	698.95	101.58	7.881 CC		
6,950.00	5,881.33	10,915.00	6,369.41	76.52	81.15	168.82	-32.04	2,944.28	800.54	698.74	101.80	7.864 ES		
7,000.00	5,919.97	10,915.00	6,369.41	77.14	81.15	174.72	-32.04	2,944.28	803.58	698.80	104.78	7.669		
7,050.00	5,957.41	10,915.00	6,369.41	77.74	81.15	-179.54	-32.04	2,944.28	811.86	704.44	107.42	7.558		
7,100.00	5,993.37	10,915.00	6,369.41	78.32	81.15	-173.95	-32.04	2,944.28	825.16	715.49	109.67	7.524 SF		
7,150.00	6,027.59	10,915.00	6,369.41	78.86	81.15	-168.45	-32.04	2,944.28	843.16	731.64	111.52	7.560		
7,200.00	6,059.79	10,915.00	6,369.41	79.36	81.15	-162.97	-32.04	2,944.28	865.41	752.43	112.98	7.660		
7,250.00	6,089.73	10,915.00	6,369.41	79.83	81.15	-157.41	-32.04	2,944.28	891.45	777.37	114.08	7.814		
7,300.00	6,117.20	10,915.00	6,369.41	80.25	81.15	-151.69	-32.04	2,944.28	920.76	805.90	114.86	8.016		
7,350.00	6,141.96	10,915.00	6,369.41	80.63	81.15	-145.74	-32.04	2,944.28	952.83	837.44	115.39	8.258		
7,400.00	6,163.85	10,915.00	6,369.41	80.98	81.15	-139.53	-32.04	2,944.28	987.16	871.46	115.69	8.533		
7,450.00	6,182.69	10,915.00	6,369.41	81.28	81.15	-133.05	-32.04	2,944.28	1,023.26	907.44	115.82	8.835		
7,500.00	6,198.33	10,915.00	6,369.41	81.54	81.15	-126.38	-32.04	2,944.28	1,060.71	944.90	115.81	9.159		
7,550.00	6,210.67	10,915.00	6,369.41	81.77	81.15	-119.64	-32.04	2,944.28	1,099.10	983.41	115.69	9.500		
7,600.00	6,219.60	10,915.00	6,369.41	81.96	81.15	-112.99	-32.04	2,944.28	1,138.04	1,022.56	115.48	9.855		
7,650.00	6,225.05	10,915.00	6,369.41	82.11	81.15	-106.62	-32.04	2,944.28	1,177.21	1,062.01	115.20	10.219		
7,702.53	6,227.00	10,915.00	6,369.41	82.24	81.15	-100.43	-32.04	2,944.28	1,218.26	1,103.42	114.84	10.608		
7,800.00	6,227.00	10,915.00	6,369.41	82.45	81.15	-100.43	-32.04	2,944.28	1,295.61	1,181.51	114.10	11.355		
7,900.00	6,227.00	10,915.00	6,369.41	82.68	81.15	-100.43	-32.04	2,944.28	1,377.62	1,264.31	113.31	12.158		
8,000.00	6,227.00	10,915.00	6,369.41	82.93	81.15	-100.43	-32.04	2,944.28	1,461.87	1,349.36	112.51	12.993		
8,100.00	6,227.00	10,915.00	6,369.41	83.20	81.15	-100.43	-32.04	2,944.28	1,548.00	1,436.26	111.74	13.854		
8,200.00	6,227.00	10,915.00	6,369.41	83.49	81.15	-100.43	-32.04	2,944.28	1,635.70	1,524.71	110.99	14.738		
8,300.00	6,227.00	10,915.00	6,369.41	83.80	81.15	-100.43	-32.04	2,944.28	1,724.75	1,614.47	110.28	15.640		
8,400.00	6,227.00	10,915.00	6,369.41	84.12	81.15	-100.43	-32.04	2,944.28	1,814.93	1,705.32	109.61	16.558		
8,500.00	6,227.00	10,915.00	6,369.41	84.47	81.15	-100.43	-32.04	2,944.28	1,906.10	1,797.11	108.99	17.489		
8,600.00	6,227.00	10,915.00	6,369.41	84.83	81.15	-100.43	-32.04	2,944.28	1,998.11	1,889.70	108.40	18.433		
8,700.00	6,227.00	10,915.00	6,369.41	85.22	81.15	-100.43	-32.04	2,944.28	2,090.85	1,982.99	107.86	19.385		
8,800.00	6,227.00	10,915.00	6,369.41	85.62	81.15	-100.43	-32.04	2,944.28	2,184.23	2,076.88	107.35	20.347		
8,900.00	6,227.00	10,915.00	6,369.41	86.05	81.15	-100.43	-32.04	2,944.28	2,278.18	2,171.30	106.88	21.315		
9,000.00	6,227.00	10,915.00	6,369.41	86.51	81.15	-100.43	-32.04	2,944.28	2,372.62	2,266.18	106.44	22.290		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,100.00	6,227.00	10,915.00	6,369.41	86.98	81.15	-100.43	-32.04	2,944.28	2,467.50	2,361.46	106.04	23.270	
9,200.00	6,227.00	10,915.00	6,369.41	87.49	81.15	-100.43	-32.04	2,944.28	2,562.77	2,457.11	105.66	24.254	
9,300.00	6,227.00	10,915.00	6,369.41	88.01	81.15	-100.43	-32.04	2,944.28	2,658.39	2,553.07	105.31	25.243	
9,400.00	6,227.00	10,915.00	6,369.41	88.56	81.15	-100.43	-32.04	2,944.28	2,754.31	2,649.32	104.99	26.234	
9,500.00	6,227.00	10,915.00	6,369.41	89.14	81.15	-100.43	-32.04	2,944.28	2,850.52	2,745.83	104.69	27.229	
9,600.00	6,227.00	10,915.00	6,369.41	89.75	81.15	-100.43	-32.04	2,944.28	2,946.98	2,842.58	104.41	28.226	
9,700.00	6,227.00	10,915.00	6,369.41	90.38	81.15	-100.43	-32.04	2,944.28	3,043.67	2,939.53	104.14	29.226	
9,800.00	6,227.00	10,915.00	6,369.41	91.04	81.15	-100.43	-32.04	2,944.28	3,140.57	3,036.67	103.90	30.227	
9,900.00	6,227.00	10,915.00	6,369.41	91.73	81.15	-100.43	-32.04	2,944.28	3,237.65	3,133.98	103.67	31.230	
10,000.00	6,227.00	10,915.00	6,369.41	92.44	81.15	-100.43	-32.04	2,944.28	3,334.91	3,231.45	103.46	32.234	
10,100.00	6,227.00	10,915.00	6,369.41	93.19	81.15	-100.43	-32.04	2,944.28	3,432.32	3,329.06	103.26	33.239	
10,200.00	6,227.00	10,915.00	6,369.41	93.96	81.15	-100.43	-32.04	2,944.28	3,529.88	3,426.81	103.07	34.246	
10,300.00	6,227.00	10,915.00	6,369.41	94.76	81.15	-100.43	-32.04	2,944.28	3,627.57	3,524.67	102.90	35.253	
10,400.00	6,227.00	10,915.00	6,369.41	95.59	81.15	-100.43	-32.04	2,944.28	3,725.39	3,622.65	102.74	36.261	
10,500.00	6,227.00	10,915.00	6,369.41	96.45	81.15	-100.43	-32.04	2,944.28	3,823.32	3,720.73	102.59	37.269	
10,600.00	6,227.00	10,915.00	6,369.41	97.34	81.15	-100.43	-32.04	2,944.28	3,921.35	3,818.90	102.44	38.278	
10,700.00	6,227.00	10,915.00	6,369.41	98.26	81.15	-100.43	-32.04	2,944.28	4,019.48	3,917.17	102.31	39.288	
10,800.00	6,227.00	10,915.00	6,369.41	99.20	81.15	-100.43	-32.04	2,944.28	4,117.70	4,015.51	102.18	40.297	
10,900.00	6,227.00	10,915.00	6,369.41	100.18	81.15	-100.43	-32.04	2,944.28	4,216.00	4,113.93	102.06	41.307	
11,000.00	6,227.00	10,915.00	6,369.41	101.18	81.15	-100.43	-32.04	2,944.28	4,314.38	4,212.43	101.95	42.317	
11,100.00	6,227.00	10,915.00	6,369.41	102.20	81.15	-100.43	-32.04	2,944.28	4,412.83	4,310.98	101.85	43.327	
11,200.00	6,227.00	10,915.00	6,369.41	103.26	81.15	-100.43	-32.04	2,944.28	4,511.36	4,409.60	101.75	44.337	
11,300.00	6,227.00	10,915.00	6,369.41	104.33	81.15	-100.43	-32.04	2,944.28	4,609.94	4,508.28	101.66	45.347	
11,400.00	6,227.00	10,915.00	6,369.41	105.44	81.15	-100.43	-32.04	2,944.28	4,708.59	4,607.01	101.57	46.357	
11,500.00	6,227.00	10,915.00	6,369.41	106.57	81.15	-100.43	-32.04	2,944.28	4,807.29	4,705.80	101.49	47.367	
11,600.00	6,227.00	10,915.00	6,369.41	107.72	81.15	-100.43	-32.04	2,944.28	4,906.04	4,804.63	101.41	48.376	
11,700.00	6,227.00	10,915.00	6,369.41	108.89	81.15	-100.43	-32.04	2,944.28	5,004.84	4,903.50	101.34	49.386	
11,800.00	6,227.00	10,915.00	6,369.41	110.09	81.15	-100.43	-32.04	2,944.28	5,103.69	5,002.42	101.27	50.395	
11,900.00	6,227.00	10,915.00	6,369.41	111.31	81.15	-100.43	-32.04	2,944.28	5,202.59	5,101.38	101.21	51.404	
12,000.00	6,227.00	10,915.00	6,369.41	112.54	81.15	-100.43	-32.04	2,944.28	5,301.52	5,200.37	101.15	52.412	
12,100.00	6,227.00	10,915.00	6,369.41	113.80	81.15	-100.43	-32.04	2,944.28	5,400.50	5,299.40	101.09	53.421	
12,200.00	6,227.00	10,915.00	6,369.41	115.08	81.15	-100.43	-32.04	2,944.28	5,499.51	5,398.47	101.04	54.429	
12,300.00	6,227.00	10,915.00	6,369.41	116.37	81.15	-100.43	-32.04	2,944.28	5,598.56	5,497.56	100.99	55.436	
12,400.00	6,227.00	10,915.00	6,369.41	117.69	81.15	-100.43	-32.04	2,944.28	5,697.64	5,596.69	100.94	56.443	
12,500.00	6,227.00	10,915.00	6,369.41	119.02	81.15	-100.43	-32.04	2,944.28	5,796.75	5,695.85	100.90	57.450	
12,600.00	6,227.00	10,915.00	6,369.41	120.36	81.15	-100.43	-32.04	2,944.28	5,895.89	5,795.03	100.86	58.456	
12,700.00	6,227.00	10,915.00	6,369.41	121.72	81.15	-100.43	-32.04	2,944.28	5,995.06	5,894.24	100.82	59.462	
12,800.00	6,227.00	10,915.00	6,369.41	123.10	81.15	-100.43	-32.04	2,944.28	6,094.26	5,993.47	100.79	60.468	
12,900.00	6,227.00	10,915.00	6,369.41	124.49	81.15	-100.43	-32.04	2,944.28	6,193.48	6,092.73	100.75	61.473	
13,000.00	6,227.00	10,915.00	6,369.41	125.89	81.15	-100.43	-32.04	2,944.28	6,292.73	6,192.01	100.72	62.477	
13,100.00	6,227.00	10,915.00	6,369.41	127.31	81.15	-100.43	-32.04	2,944.28	6,392.00	6,291.31	100.69	63.481	
13,200.00	6,227.00	10,915.00	6,369.41	128.74	81.15	-100.43	-32.04	2,944.28	6,491.29	6,390.63	100.66	64.484	
13,300.00	6,227.00	10,915.00	6,369.41	130.18	81.15	-100.43	-32.04	2,944.28	6,590.61	6,489.97	100.64	65.487	
13,400.00	6,227.00	10,915.00	6,369.41	131.63	81.15	-100.43	-32.04	2,944.28	6,689.94	6,589.33	100.62	66.489	
13,500.00	6,227.00	10,915.00	6,369.41	133.09	81.15	-100.43	-32.04	2,944.28	6,789.30	6,688.70	100.60	67.491	
13,600.00	6,227.00	10,915.00	6,369.41	134.57	81.15	-100.43	-32.04	2,944.28	6,888.67	6,788.09	100.58	68.492	
13,700.00	6,227.00	10,915.00	6,369.41	136.05	81.15	-100.43	-32.04	2,944.28	6,988.06	6,887.50	100.56	69.493	
13,800.00	6,227.00	10,915.00	6,369.41	137.54	81.15	-100.43	-32.04	2,944.28	7,087.47	6,986.93	100.54	70.493	
13,900.00	6,227.00	10,915.00	6,369.41	139.05	81.15	-100.43	-32.04	2,944.28	7,186.89	7,086.37	100.53	71.492	
14,000.00	6,227.00	10,915.00	6,369.41	140.56	81.15	-100.43	-32.04	2,944.28	7,286.34	7,185.82	100.51	72.491	
14,100.00	6,227.00	10,915.00	6,369.41	142.07	81.15	-100.43	-32.04	2,944.28	7,385.79	7,285.29	100.50	73.489	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning				
14,200.00	6,227.00	10,915.00	6,369.41	143.60	81.15	-100.43	-32.04	2,944.28	7,485.26	7,384.77	100.49	74.487					
14,300.00	6,227.00	10,915.00	6,369.41	145.14	81.15	-100.43	-32.04	2,944.28	7,584.75	7,484.26	100.48	75.484					
14,400.00	6,227.00	10,915.00	6,369.41	146.68	81.15	-100.43	-32.04	2,944.28	7,684.24	7,583.77	100.47	76.480					
14,500.00	6,227.00	10,915.00	6,369.41	148.23	81.15	-100.43	-32.04	2,944.28	7,783.75	7,683.29	100.47	77.475					
14,600.00	6,227.00	10,915.00	6,369.41	149.78	81.15	-100.43	-32.04	2,944.28	7,883.28	7,782.81	100.46	78.470					
14,700.00	6,227.00	10,915.00	6,369.41	151.35	81.15	-100.43	-32.04	2,944.28	7,982.81	7,882.35	100.46	79.465					
14,800.00	6,227.00	10,915.00	6,369.41	152.91	81.15	-100.43	-32.04	2,944.28	8,082.36	7,981.90	100.45	80.458					
14,900.00	6,227.00	10,915.00	6,369.41	154.49	81.15	-100.43	-32.04	2,944.28	8,181.91	8,081.46	100.45	81.451					
15,000.00	6,227.00	10,915.00	6,369.41	156.07	81.15	-100.43	-32.04	2,944.28	8,281.48	8,181.03	100.45	82.443					
15,100.00	6,227.00	10,915.00	6,369.41	157.65	81.15	-100.43	-32.04	2,944.28	8,381.06	8,280.61	100.45	83.434					
15,200.00	6,227.00	10,915.00	6,369.41	159.24	81.15	-100.43	-32.04	2,944.28	8,480.65	8,380.20	100.45	84.425					
15,300.00	6,227.00	10,915.00	6,369.41	160.84	81.15	-100.43	-32.04	2,944.28	8,580.25	8,479.79	100.45	85.415					
15,400.00	6,227.00	10,915.00	6,369.41	162.44	81.15	-100.43	-32.04	2,944.28	8,679.85	8,579.40	100.46	86.404					
15,500.00	6,227.00	10,915.00	6,369.41	164.05	81.15	-100.43	-32.04	2,944.28	8,779.47	8,679.01	100.46	87.392					
15,600.00	6,227.00	10,915.00	6,369.41	165.66	81.15	-100.43	-32.04	2,944.28	8,879.09	8,778.63	100.46	88.380					
15,700.00	6,227.00	10,915.00	6,369.41	167.27	81.15	-100.43	-32.04	2,944.28	8,978.73	8,878.26	100.47	89.367					
15,800.00	6,227.00	10,915.00	6,369.41	168.89	81.15	-100.43	-32.04	2,944.28	9,078.37	8,977.89	100.48	90.353					
15,900.00	6,227.00	10,915.00	6,369.41	170.51	81.15	-100.43	-32.04	2,944.28	9,178.02	9,077.53	100.48	91.338					
16,000.00	6,227.00	10,915.00	6,369.41	172.14	81.15	-100.43	-32.04	2,944.28	9,277.67	9,177.18	100.49	92.323					
16,100.00	6,227.00	10,915.00	6,369.41	173.77	81.15	-100.43	-32.04	2,944.28	9,377.34	9,276.84	100.50	93.307					
16,200.00	6,227.00	10,915.00	6,369.41	175.40	81.15	-100.43	-32.04	2,944.28	9,477.01	9,376.50	100.51	94.289					
16,300.00	6,227.00	10,915.00	6,369.41	177.04	81.15	-100.43	-32.04	2,944.28	9,576.69	9,476.17	100.52	95.272					
16,400.00	6,227.00	10,915.00	6,369.41	178.68	81.15	-100.43	-32.04	2,944.28	9,676.37	9,575.84	100.53	96.253					
16,500.00	6,227.00	10,915.00	6,369.41	180.32	81.15	-100.43	-32.04	2,944.28	9,776.06	9,675.52	100.54	97.233					
16,600.00	6,227.00	10,915.00	6,369.41	181.96	81.15	-100.43	-32.04	2,944.28	9,875.76	9,775.20	100.55	98.213					
16,700.00	6,227.00	10,915.00	6,369.41	183.61	81.15	-100.43	-32.04	2,944.28	9,975.46	9,874.89	100.57	99.192					
16,800.00	6,227.00	10,915.00	6,369.41	185.27	81.15	-100.43	-32.04	2,944.28	10,075.17	9,974.59	100.58	100.170					



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	5.45	5.45	0.00	0.01	141.83	-4,335.40	3,407.71	5,514.36				
100.00	100.00	114.49	114.49	0.27	0.20	141.83	-4,335.46	3,407.48	5,514.27	5,513.81	0.47	N/A	
200.00	200.00	223.53	223.53	0.63	0.39	141.84	-4,335.62	3,406.82	5,514.02	5,513.00	1.02	5,429.945	
300.00	299.98	332.52	332.51	0.98	0.58	57.69	-4,335.89	3,405.74	5,512.67	5,511.11	1.56	3,539.346	
400.00	399.84	441.29	441.27	1.34	0.77	57.81	-4,336.27	3,404.24	5,509.29	5,507.19	2.10	2,620.529	
500.00	499.45	559.10	559.06	1.71	1.13	58.01	-4,336.76	3,401.93	5,503.76	5,500.93	2.83	1,944.035	
600.00	598.70	651.78	651.72	2.10	1.46	58.26	-4,337.15	3,400.01	5,496.35	5,492.80	3.55	1,550.154	
700.00	697.47	748.27	748.19	2.51	1.81	58.57	-4,337.67	3,398.03	5,487.24	5,482.95	4.29	1,278.290	
800.00	795.62	852.25	852.14	2.95	2.19	58.96	-4,338.30	3,395.73	5,476.33	5,471.24	5.09	1,075.798	
900.00	893.06	925.87	925.73	3.44	2.45	59.34	-4,338.88	3,393.98	5,463.78	5,457.97	5.81	940.857	
1,000.00	989.64	967.00	966.85	3.96	2.60	59.69	-4,339.48	3,392.98	5,450.18	5,443.74	6.44	846.218	
1,100.00	1,085.27	1,015.10	1,014.90	4.54	2.78	60.08	-4,340.97	3,391.49	5,435.84	5,428.70	7.14	761.264	
1,200.00	1,179.82	1,057.00	1,056.69	5.16	2.93	60.50	-4,343.39	3,389.68	5,421.02	5,413.16	7.86	689.517	
1,300.00	1,273.17	1,057.00	1,056.69	5.85	2.93	60.77	-4,343.39	3,389.68	5,405.88	5,397.40	8.48	637.554	
1,400.00	1,365.21	1,096.16	1,095.67	6.59	3.07	61.22	-4,346.60	3,387.87	5,390.28	5,380.98	9.30	579.848	
1,500.00	1,455.84	1,151.00	1,150.13	7.40	3.28	61.77	-4,352.66	3,385.68	5,375.01	5,364.78	10.23	525.402	
1,600.00	1,544.94	1,151.00	1,150.13	8.28	3.28	62.06	-4,352.66	3,385.68	5,358.77	5,347.76	11.02	486.334	
1,700.00	1,632.39	1,151.00	1,150.13	9.23	3.28	62.35	-4,352.66	3,385.68	5,342.75	5,330.87	11.87	450.061	
1,800.00	1,718.11	1,189.17	1,187.92	10.25	3.43	62.87	-4,357.85	3,384.28	5,326.53	5,313.59	12.94	411.578	
1,900.00	1,801.97	1,242.00	1,240.05	11.35	3.63	63.51	-4,366.16	3,382.31	5,310.39	5,296.25	14.14	375.482	
2,005.96	1,888.70	1,242.00	1,240.05	12.60	3.63	63.83	-4,366.16	3,382.31	5,292.78	5,277.51	15.27	346.555	
2,100.00	1,964.66	1,242.00	1,240.05	13.75	3.63	63.83	-4,366.16	3,382.31	5,278.12	5,261.80	16.32	323.424	
2,200.00	2,045.44	10,724.15	6,354.35	14.99	80.04	110.46	-164.46	3,597.29	5,214.93	5,156.65	58.28	89.480	
2,300.00	2,126.22	10,736.03	6,354.45	16.24	80.24	110.74	-152.61	3,598.08	5,115.51	5,057.01	58.50	87.441	
2,400.00	2,207.00	10,748.33	6,354.55	17.50	80.45	111.04	-140.34	3,598.89	5,016.09	4,957.36	58.73	85.405	
2,500.00	2,287.78	10,760.54	6,354.65	18.77	80.65	111.35	-128.15	3,599.70	4,916.67	4,857.70	58.97	83.382	
2,600.00	2,368.56	10,772.77	6,354.73	20.04	80.86	111.67	-115.96	3,600.51	4,817.24	4,758.04	59.20	81.370	
2,700.00	2,449.34	10,786.29	6,354.84	21.31	81.09	112.05	-102.46	3,601.38	4,717.81	4,658.36	59.45	79.353	
2,800.00	2,530.12	10,799.62	6,354.95	22.59	81.31	112.44	-89.15	3,602.20	4,618.38	4,558.68	59.70	77.355	
2,900.00	2,610.90	10,812.77	6,355.08	23.88	81.53	112.86	-76.03	3,602.97	4,518.94	4,458.99	59.95	75.374	
3,000.00	2,691.68	10,826.65	6,355.23	25.16	81.77	113.33	-62.18	3,603.75	4,419.50	4,359.29	60.21	73.400	
3,100.00	2,772.46	10,840.29	6,355.40	26.45	82.00	113.82	-48.55	3,604.48	4,320.05	4,259.58	60.47	71.445	
3,200.00	2,853.23	10,853.69	6,355.57	27.74	82.23	114.34	-35.17	3,605.15	4,220.59	4,159.87	60.72	69.511	
3,300.00	2,934.01	10,866.85	6,355.75	29.03	82.45	114.88	-22.03	3,605.77	4,121.13	4,060.16	60.97	67.596	
3,400.00	3,014.79	10,862.00	6,355.68	30.32	82.37	114.67	-26.87	3,605.55	4,021.69	3,960.62	61.06	65.861	
3,500.00	3,095.57	10,862.00	6,355.68	31.61	82.37	114.67	-26.87	3,605.55	3,922.28	3,861.07	61.21	64.081	
3,600.00	3,176.35	10,862.00	6,355.68	32.91	82.37	114.67	-26.87	3,605.55	3,822.89	3,761.53	61.36	62.301	
3,700.00	3,257.13	10,862.00	6,355.68	34.20	82.37	114.67	-26.87	3,605.55	3,723.55	3,662.02	61.52	60.523	
3,800.00	3,337.91	10,862.00	6,355.68	35.50	82.37	114.67	-26.87	3,605.55	3,624.23	3,562.54	61.69	58.746	
3,900.00	3,418.69	10,862.00	6,355.68	36.80	82.37	114.67	-26.87	3,605.55	3,524.96	3,463.09	61.87	56.972	
4,000.00	3,499.47	10,862.00	6,355.68	38.09	82.37	114.67	-26.87	3,605.55	3,425.73	3,363.67	62.06	55.199	
4,100.00	3,580.25	10,862.00	6,355.68	39.39	82.37	114.67	-26.87	3,605.55	3,326.54	3,264.28	62.26	53.429	
4,200.00	3,661.03	10,862.00	6,355.68	40.69	82.37	114.67	-26.87	3,605.55	3,227.41	3,164.94	62.47	51.662	
4,300.00	3,741.81	10,862.00	6,355.68	41.99	82.37	114.67	-26.87	3,605.55	3,128.33	3,065.63	62.70	49.898	
4,400.00	3,822.58	10,862.00	6,355.68	43.29	82.37	114.67	-26.87	3,605.55	3,029.31	2,966.38	62.93	48.136	
4,500.00	3,903.36	10,862.00	6,355.68	44.59	82.37	114.67	-26.87	3,605.55	2,930.36	2,867.17	63.18	46.379	
4,600.00	3,984.14	10,862.00	6,355.68	45.89	82.37	114.67	-26.87	3,605.55	2,831.48	2,768.03	63.45	44.625	
4,700.00	4,064.92	10,862.00	6,355.68	47.20	82.37	114.67	-26.87	3,605.55	2,732.68	2,668.94	63.74	42.875	
4,800.00	4,145.70	10,862.00	6,355.68	48.50	82.37	114.67	-26.87	3,605.55	2,633.97	2,569.93	64.04	41.130	
4,900.00	4,226.48	10,862.00	6,355.68	49.80	82.37	114.67	-26.87	3,605.55	2,535.37	2,471.00	64.37	39.389	
5,000.00	4,307.26	10,862.00	6,355.68	51.10	82.37	114.67	-26.87	3,605.55	2,436.88	2,372.16	64.72	37.654	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,100.00	4,388.04	10,862.00	6,355.68	52.40	82.37	114.67	-26.87	3,605.55	2,338.51	2,273.42	65.09	35.925	
5,200.00	4,468.82	10,862.00	6,355.68	53.71	82.37	114.67	-26.87	3,605.55	2,240.29	2,174.79	65.50	34.201	
5,300.00	4,549.60	10,862.00	6,355.68	55.01	82.37	114.67	-26.87	3,605.55	2,142.24	2,076.30	65.95	32.485	
5,400.00	4,630.38	10,862.00	6,355.68	56.31	82.37	114.67	-26.87	3,605.55	2,044.38	1,977.95	66.43	30.776	
5,500.00	4,711.16	10,862.00	6,355.68	57.62	82.37	114.67	-26.87	3,605.55	1,946.73	1,879.77	66.95	29.076	
5,600.00	4,791.93	10,862.00	6,355.68	58.92	82.37	114.67	-26.87	3,605.55	1,849.33	1,781.80	67.53	27.386	
5,700.00	4,872.71	10,862.00	6,355.68	60.23	82.37	114.67	-26.87	3,605.55	1,752.23	1,684.06	68.16	25.706	
5,800.00	4,953.49	10,862.00	6,355.68	61.53	82.37	114.67	-26.87	3,605.55	1,655.47	1,586.60	68.87	24.039	
5,900.00	5,034.27	10,862.00	6,355.68	62.83	82.37	114.67	-26.87	3,605.55	1,559.12	1,489.47	69.65	22.386	
6,000.00	5,115.05	10,862.00	6,355.68	64.14	82.37	114.67	-26.87	3,605.55	1,463.26	1,392.74	70.52	20.750	
6,100.00	5,195.83	10,862.00	6,355.68	65.44	82.37	114.67	-26.87	3,605.55	1,367.99	1,296.50	71.49	19.134	
6,200.00	5,276.61	10,862.00	6,355.68	66.75	82.37	114.67	-26.87	3,605.55	1,273.45	1,200.86	72.59	17.542	
6,300.00	5,357.39	10,862.00	6,355.68	68.05	82.37	114.67	-26.87	3,605.55	1,179.81	1,105.97	73.84	15.978	
6,400.00	5,438.17	10,862.00	6,355.68	69.36	82.37	114.67	-26.87	3,605.55	1,087.30	1,012.05	75.25	14.449	
6,500.00	5,518.95	10,862.00	6,355.68	70.66	82.37	114.67	-26.87	3,605.55	996.24	919.38	76.86	12.962	
6,600.00	5,599.73	10,862.00	6,355.68	71.97	82.37	114.67	-26.87	3,605.55	907.07	828.38	78.69	11.527	
6,700.00	5,680.51	10,862.00	6,355.68	73.27	82.37	114.67	-26.87	3,605.55	820.40	739.63	80.77	10.158	
6,800.00	5,761.29	10,862.00	6,355.68	74.58	82.37	114.67	-26.87	3,605.55	737.11	654.01	83.09	8.871	
6,837.84	5,791.85	10,862.00	6,355.68	75.07	82.37	114.67	-26.87	3,605.55	706.72	622.69	84.03	8.410	
6,850.00	5,801.67	10,862.00	6,355.68	75.23	82.37	115.81	-26.87	3,605.55	697.19	612.84	84.35	8.265	
6,900.00	5,841.80	10,862.00	6,355.68	75.88	82.37	120.74	-26.87	3,605.55	660.65	574.84	85.81	7.699	
6,950.00	5,881.33	10,862.00	6,355.68	76.52	82.37	125.75	-26.87	3,605.55	629.17	541.67	87.50	7.191	
7,000.00	5,919.97	10,862.00	6,355.68	77.14	82.37	130.57	-26.87	3,605.55	603.79	514.48	89.31	6.761	
7,050.00	5,957.41	10,862.00	6,355.68	77.74	82.37	135.06	-26.87	3,605.55	585.51	494.38	91.14	6.425	
7,100.00	5,993.37	10,862.00	6,355.68	78.32	82.37	139.17	-26.87	3,605.55	575.16	482.29	92.87	6.193	
7,136.24	6,018.36	10,862.00	6,355.68	78.71	82.37	141.91	-26.87	3,605.55	572.91	478.89	94.01	6.094 CC	
7,150.00	6,027.59	10,862.00	6,355.68	78.86	82.37	142.90	-26.87	3,605.55	573.23	478.80	94.43	6.071 ES	
7,200.00	6,059.79	10,862.00	6,355.68	79.36	82.37	146.31	-26.87	3,605.55	579.83	484.04	95.80	6.053 SF	
7,250.00	6,089.73	10,862.00	6,355.68	79.83	82.37	149.46	-26.87	3,605.55	594.63	497.64	96.99	6.131	
7,300.00	6,117.20	10,862.00	6,355.68	80.25	82.37	152.45	-26.87	3,605.55	616.93	518.90	98.04	6.293	
7,350.00	6,141.96	10,862.00	6,355.68	80.63	82.37	155.39	-26.87	3,605.55	645.80	546.86	98.94	6.527	
7,400.00	6,163.85	10,862.00	6,355.68	80.98	82.37	158.43	-26.87	3,605.55	680.19	580.50	99.68	6.824	
7,450.00	6,182.69	10,862.00	6,355.68	81.28	82.37	161.80	-26.87	3,605.55	719.07	618.80	100.27	7.171	
7,500.00	6,198.33	10,862.00	6,355.68	81.54	82.37	165.84	-26.87	3,605.55	761.48	660.78	100.70	7.562	
7,550.00	6,210.67	10,862.00	6,355.68	81.77	82.37	171.19	-26.87	3,605.55	806.58	705.58	100.99	7.986	
7,600.00	6,219.60	10,862.00	6,355.68	81.96	82.37	179.08	-26.87	3,605.55	853.61	752.44	101.17	8.437	
7,650.00	6,225.05	10,862.00	6,355.68	82.11	82.37	-167.91	-26.87	3,605.55	901.95	800.69	101.27	8.907	
7,702.53	6,227.00	10,862.00	6,355.68	82.24	82.37	-143.82	-26.87	3,605.55	953.56	852.26	101.30	9.414	
7,800.00	6,227.00	10,862.00	6,355.68	82.45	82.37	-143.82	-26.87	3,605.55	1,049.88	948.58	101.30	10.364	
7,900.00	6,227.00	10,862.00	6,355.68	82.68	82.37	-143.82	-26.87	3,605.55	1,148.90	1,047.58	101.32	11.339	
8,000.00	6,227.00	10,862.00	6,355.68	82.93	82.37	-143.82	-26.87	3,605.55	1,248.08	1,146.74	101.34	12.315	
8,100.00	6,227.00	10,862.00	6,355.68	83.20	82.37	-143.82	-26.87	3,605.55	1,347.38	1,246.01	101.37	13.292	
8,200.00	6,227.00	10,862.00	6,355.68	83.49	82.37	-143.82	-26.87	3,605.55	1,446.78	1,345.38	101.40	14.268	
8,300.00	6,227.00	10,862.00	6,355.68	83.80	82.37	-143.82	-26.87	3,605.55	1,546.25	1,444.82	101.42	15.245	
8,400.00	6,227.00	10,862.00	6,355.68	84.12	82.37	-143.82	-26.87	3,605.55	1,645.79	1,544.34	101.45	16.222	
8,500.00	6,227.00	10,862.00	6,355.68	84.47	82.37	-143.82	-26.87	3,605.55	1,745.38	1,643.90	101.48	17.199	
8,600.00	6,227.00	10,862.00	6,355.68	84.83	82.37	-143.82	-26.87	3,605.55	1,845.01	1,743.51	101.51	18.177	
8,700.00	6,227.00	10,862.00	6,355.68	85.22	82.37	-143.82	-26.87	3,605.55	1,944.68	1,843.15	101.53	19.154	
8,800.00	6,227.00	10,862.00	6,355.68	85.62	82.37	-143.82	-26.87	3,605.55	2,044.39	1,942.83	101.56	20.131	
8,900.00	6,227.00	10,862.00	6,355.68	86.05	82.37	-143.82	-26.87	3,605.55	2,144.12	2,042.54	101.58	21.108	
9,000.00	6,227.00	10,862.00	6,355.68	86.51	82.37	-143.82	-26.87	3,605.55	2,243.88	2,142.27	101.60	22.085	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,100.00	6,227.00	10,862.00	6,355.68	86.98	82.37	-143.82	-26.87	3,605.55	2,343.65	2,242.03	101.63	23.061	
9,200.00	6,227.00	10,862.00	6,355.68	87.49	82.37	-143.82	-26.87	3,605.55	2,443.45	2,341.80	101.65	24.038	
9,300.00	6,227.00	10,862.00	6,355.68	88.01	82.37	-143.82	-26.87	3,605.55	2,543.26	2,441.59	101.67	25.014	
9,400.00	6,227.00	10,862.00	6,355.68	88.56	82.37	-143.82	-26.87	3,605.55	2,643.08	2,541.39	101.69	25.991	
9,500.00	6,227.00	10,862.00	6,355.68	89.14	82.37	-143.82	-26.87	3,605.55	2,742.92	2,641.21	101.71	26.967	
9,600.00	6,227.00	10,862.00	6,355.68	89.75	82.37	-143.82	-26.87	3,605.55	2,842.77	2,741.04	101.73	27.943	
9,700.00	6,227.00	10,862.00	6,355.68	90.38	82.37	-143.82	-26.87	3,605.55	2,942.63	2,840.88	101.75	28.919	
9,800.00	6,227.00	10,862.00	6,355.68	91.04	82.37	-143.82	-26.87	3,605.55	3,042.50	2,940.72	101.77	29.895	
9,900.00	6,227.00	10,862.00	6,355.68	91.73	82.37	-143.82	-26.87	3,605.55	3,142.38	3,040.58	101.79	30.870	
10,000.00	6,227.00	10,862.00	6,355.68	92.44	82.37	-143.82	-26.87	3,605.55	3,242.26	3,140.45	101.81	31.845	
10,100.00	6,227.00	10,862.00	6,355.68	93.19	82.37	-143.82	-26.87	3,605.55	3,342.15	3,240.32	101.83	32.820	
10,200.00	6,227.00	10,862.00	6,355.68	93.96	82.37	-143.82	-26.87	3,605.55	3,442.05	3,340.20	101.85	33.795	
10,300.00	6,227.00	10,862.00	6,355.68	94.76	82.37	-143.82	-26.87	3,605.55	3,541.95	3,440.08	101.87	34.769	
10,400.00	6,227.00	10,862.00	6,355.68	95.59	82.37	-143.82	-26.87	3,605.55	3,641.86	3,539.97	101.89	35.744	
10,500.00	6,227.00	10,862.00	6,355.68	96.45	82.37	-143.82	-26.87	3,605.55	3,741.78	3,639.87	101.91	36.718	
10,600.00	6,227.00	10,862.00	6,355.68	97.34	82.37	-143.82	-26.87	3,605.55	3,841.70	3,739.77	101.93	37.691	
10,700.00	6,227.00	10,862.00	6,355.68	98.26	82.37	-143.82	-26.87	3,605.55	3,941.62	3,839.67	101.94	38.665	
10,800.00	6,227.00	10,862.00	6,355.68	99.20	82.37	-143.82	-26.87	3,605.55	4,041.54	3,939.58	101.96	39.638	
10,900.00	6,227.00	10,862.00	6,355.68	100.18	82.37	-143.82	-26.87	3,605.55	4,141.47	4,039.49	101.98	40.611	
11,000.00	6,227.00	10,862.00	6,355.68	101.18	82.37	-143.82	-26.87	3,605.55	4,241.41	4,139.41	102.00	41.583	
11,100.00	6,227.00	10,862.00	6,355.68	102.20	82.37	-143.82	-26.87	3,605.55	4,341.34	4,239.33	102.02	42.555	
11,200.00	6,227.00	10,862.00	6,355.68	103.26	82.37	-143.82	-26.87	3,605.55	4,441.28	4,339.25	102.03	43.527	
11,300.00	6,227.00	10,862.00	6,355.68	104.33	82.37	-143.82	-26.87	3,605.55	4,541.22	4,439.17	102.05	44.499	
11,400.00	6,227.00	10,862.00	6,355.68	105.44	82.37	-143.82	-26.87	3,605.55	4,641.17	4,539.10	102.07	45.470	
11,500.00	6,227.00	10,862.00	6,355.68	106.57	82.37	-143.82	-26.87	3,605.55	4,741.11	4,639.03	102.09	46.441	
11,600.00	6,227.00	10,862.00	6,355.68	107.72	82.37	-143.82	-26.87	3,605.55	4,841.06	4,738.96	102.11	47.411	
11,700.00	6,227.00	10,862.00	6,355.68	108.89	82.37	-143.82	-26.87	3,605.55	4,941.01	4,838.89	102.13	48.381	
11,800.00	6,227.00	10,862.00	6,355.68	110.09	82.37	-143.82	-26.87	3,605.55	5,040.97	4,938.82	102.15	49.351	
11,900.00	6,227.00	10,862.00	6,355.68	111.31	82.37	-143.82	-26.87	3,605.55	5,140.92	5,038.76	102.16	50.320	
12,000.00	6,227.00	10,862.00	6,355.68	112.54	82.37	-143.82	-26.87	3,605.55	5,240.88	5,138.70	102.18	51.289	
12,100.00	6,227.00	10,862.00	6,355.68	113.80	82.37	-143.82	-26.87	3,605.55	5,340.84	5,238.64	102.20	52.258	
12,200.00	6,227.00	10,862.00	6,355.68	115.08	82.37	-143.82	-26.87	3,605.55	5,440.80	5,338.58	102.22	53.226	
12,300.00	6,227.00	10,862.00	6,355.68	116.37	82.37	-143.82	-26.87	3,605.55	5,540.76	5,438.52	102.24	54.194	
12,400.00	6,227.00	10,862.00	6,355.68	117.69	82.37	-143.82	-26.87	3,605.55	5,640.72	5,538.46	102.26	55.161	
12,500.00	6,227.00	10,862.00	6,355.68	119.02	82.37	-143.82	-26.87	3,605.55	5,740.68	5,638.40	102.28	56.128	
12,600.00	6,227.00	10,862.00	6,355.68	120.36	82.37	-143.82	-26.87	3,605.55	5,840.65	5,738.35	102.30	57.094	
12,700.00	6,227.00	10,862.00	6,355.68	121.72	82.37	-143.82	-26.87	3,605.55	5,940.61	5,838.30	102.32	58.060	
12,800.00	6,227.00	10,862.00	6,355.68	123.10	82.37	-143.82	-26.87	3,605.55	6,040.58	5,938.24	102.34	59.026	
12,900.00	6,227.00	10,862.00	6,355.68	124.49	82.37	-143.82	-26.87	3,605.55	6,140.55	6,038.19	102.36	59.991	
13,000.00	6,227.00	10,862.00	6,355.68	125.89	82.37	-143.82	-26.87	3,605.55	6,240.52	6,138.14	102.38	60.956	
13,100.00	6,227.00	10,862.00	6,355.68	127.31	82.37	-143.82	-26.87	3,605.55	6,340.49	6,238.09	102.40	61.920	
13,200.00	6,227.00	10,862.00	6,355.68	128.74	82.37	-143.82	-26.87	3,605.55	6,440.46	6,338.04	102.42	62.884	
13,300.00	6,227.00	10,862.00	6,355.68	130.18	82.37	-143.82	-26.87	3,605.55	6,540.43	6,437.99	102.44	63.847	
13,400.00	6,227.00	10,862.00	6,355.68	131.63	82.37	-143.82	-26.87	3,605.55	6,640.41	6,537.95	102.46	64.809	
13,500.00	6,227.00	10,862.00	6,355.68	133.09	82.37	-143.82	-26.87	3,605.55	6,740.38	6,637.90	102.48	65.772	
13,600.00	6,227.00	10,862.00	6,355.68	134.57	82.37	-143.82	-26.87	3,605.55	6,840.35	6,737.85	102.50	66.733	
13,700.00	6,227.00	10,862.00	6,355.68	136.05	82.37	-143.82	-26.87	3,605.55	6,940.33	6,837.81	102.52	67.695	
13,800.00	6,227.00	10,862.00	6,355.68	137.54	82.37	-143.82	-26.87	3,605.55	7,040.31	6,937.76	102.55	68.655	
13,900.00	6,227.00	10,862.00	6,355.68	139.05	82.37	-143.82	-26.87	3,605.55	7,140.28	7,037.71	102.57	69.615	
14,000.00	6,227.00	10,862.00	6,355.68	140.56	82.37	-143.82	-26.87	3,605.55	7,240.26	7,137.67	102.59	70.575	
14,100.00	6,227.00	10,862.00	6,355.68	142.07	82.37	-143.82	-26.87	3,605.55	7,340.24	7,237.63	102.61	71.534	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	6,227.00	10,862.00	6,355.68	143.60	82.37	-143.82	-26.87	3,605.55	7,440.22	7,337.58	102.63	72.492		
14,300.00	6,227.00	10,862.00	6,355.68	145.14	82.37	-143.82	-26.87	3,605.55	7,540.20	7,437.54	102.66	73.450		
14,400.00	6,227.00	10,862.00	6,355.68	146.68	82.37	-143.82	-26.87	3,605.55	7,640.17	7,537.49	102.68	74.408		
14,500.00	6,227.00	10,862.00	6,355.68	148.23	82.37	-143.82	-26.87	3,605.55	7,740.15	7,637.45	102.70	75.364		
14,600.00	6,227.00	10,862.00	6,355.68	149.78	82.37	-143.82	-26.87	3,605.55	7,840.14	7,737.41	102.73	76.321		
14,700.00	6,227.00	10,862.00	6,355.68	151.35	82.37	-143.82	-26.87	3,605.55	7,940.12	7,837.37	102.75	77.276		
14,800.00	6,227.00	10,862.00	6,355.68	152.91	82.37	-143.82	-26.87	3,605.55	8,040.10	7,937.32	102.77	78.231		
14,900.00	6,227.00	10,862.00	6,355.68	154.49	82.37	-143.82	-26.87	3,605.55	8,140.08	8,037.28	102.80	79.186		
15,000.00	6,227.00	10,862.00	6,355.68	156.07	82.37	-143.82	-26.87	3,605.55	8,240.06	8,137.24	102.82	80.140		
15,100.00	6,227.00	10,862.00	6,355.68	157.65	82.37	-143.82	-26.87	3,605.55	8,340.05	8,237.20	102.85	81.093		
15,200.00	6,227.00	10,862.00	6,355.68	159.24	82.37	-143.82	-26.87	3,605.55	8,440.03	8,337.16	102.87	82.045		
15,300.00	6,227.00	10,862.00	6,355.68	160.84	82.37	-143.82	-26.87	3,605.55	8,540.01	8,437.12	102.90	82.997		
15,400.00	6,227.00	10,862.00	6,355.68	162.44	82.37	-143.82	-26.87	3,605.55	8,640.00	8,537.08	102.92	83.949		
15,500.00	6,227.00	10,862.00	6,355.68	164.05	82.37	-143.82	-26.87	3,605.55	8,739.98	8,637.04	102.95	84.899		
15,600.00	6,227.00	10,862.00	6,355.68	165.66	82.37	-143.82	-26.87	3,605.55	8,839.97	8,737.00	102.97	85.849		
15,700.00	6,227.00	10,862.00	6,355.68	167.27	82.37	-143.82	-26.87	3,605.55	8,939.95	8,836.96	103.00	86.799		
15,800.00	6,227.00	10,862.00	6,355.68	168.89	82.37	-143.82	-26.87	3,605.55	9,039.94	8,936.91	103.02	87.748		
15,900.00	6,227.00	10,862.00	6,355.68	170.51	82.37	-143.82	-26.87	3,605.55	9,139.92	9,036.87	103.05	88.696		
16,000.00	6,227.00	10,862.00	6,355.68	172.14	82.37	-143.82	-26.87	3,605.55	9,239.91	9,136.83	103.07	89.643		
16,100.00	6,227.00	10,862.00	6,355.68	173.77	82.37	-143.82	-26.87	3,605.55	9,339.90	9,236.79	103.10	90.590		
16,200.00	6,227.00	10,862.00	6,355.68	175.40	82.37	-143.82	-26.87	3,605.55	9,439.88	9,336.75	103.13	91.536		
16,300.00	6,227.00	10,862.00	6,355.68	177.04	82.37	-143.82	-26.87	3,605.55	9,539.87	9,436.71	103.15	92.481		
16,400.00	6,227.00	10,862.00	6,355.68	178.68	82.37	-143.82	-26.87	3,605.55	9,639.86	9,536.67	103.18	93.426		
16,500.00	6,227.00	10,862.00	6,355.68	180.32	82.37	-143.82	-26.87	3,605.55	9,739.84	9,636.63	103.21	94.370		
16,600.00	6,227.00	10,862.00	6,355.68	181.96	82.37	-143.82	-26.87	3,605.55	9,839.83	9,736.59	103.24	95.313		
16,700.00	6,227.00	10,862.00	6,355.68	183.61	82.37	-143.82	-26.87	3,605.55	9,939.82	9,836.55	103.27	96.255		
16,800.00	6,227.00	10,862.00	6,355.68	185.27	82.37	-143.82	-26.87	3,605.55	10,039.81	9,936.51	103.29	97.197		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	141.71	-4,317.19	3,407.71	5,500.06				
100.00	100.00	127.94	127.94	0.27	0.22	141.72	-4,317.16	3,407.32	5,499.84	5,499.34	0.49	N/A	
200.00	200.00	249.78	249.77	0.63	0.44	141.73	-4,317.07	3,406.22	5,499.22	5,498.16	1.06	5,172.974	
300.00	299.98	371.53	371.51	0.98	0.65	57.59	-4,316.92	3,404.41	5,497.27	5,495.64	1.63	3,375.675	
400.00	399.84	493.00	492.95	1.34	0.86	57.73	-4,316.72	3,401.91	5,493.06	5,490.87	2.20	2,500.494	
500.00	499.45	583.24	583.18	1.71	1.15	57.92	-4,316.34	3,400.12	5,486.85	5,483.99	2.85	1,922.007	
600.00	598.70	639.49	639.42	2.10	1.35	58.11	-4,315.83	3,399.72	5,479.25	5,475.82	3.43	1,597.593	
700.00	697.47	694.00	693.92	2.51	1.53	58.32	-4,315.32	3,400.27	5,470.76	5,466.75	4.01	1,362.900	
800.00	795.62	734.09	734.01	2.95	1.67	58.55	-4,315.25	3,400.89	5,461.39	5,456.82	4.57	1,194.873	
900.00	893.06	787.00	786.91	3.44	1.85	58.83	-4,316.10	3,401.31	5,451.19	5,445.99	5.20	1,048.437	
1,000.00	989.64	877.00	876.88	3.96	2.16	59.25	-4,318.19	3,401.66	5,439.65	5,433.66	5.99	907.544	
1,100.00	1,085.27	951.03	950.86	4.54	2.42	59.70	-4,320.65	3,401.13	5,426.62	5,419.84	6.78	800.608	
1,200.00	1,179.82	1,058.22	1,057.91	5.16	2.80	60.32	-4,325.81	3,398.82	5,412.31	5,404.58	7.73	700.188	
1,300.00	1,273.17	1,231.88	1,231.13	5.85	3.44	61.32	-4,334.81	3,390.73	5,395.24	5,386.26	8.98	600.523	
1,400.00	1,365.21	1,291.83	1,290.85	6.59	3.66	61.93	-4,338.37	3,386.93	5,376.64	5,366.76	9.88	544.109	
1,500.00	1,455.84	1,338.00	1,336.76	7.40	3.84	62.51	-4,341.85	3,383.49	5,357.37	5,346.58	10.79	496.641	
1,600.00	1,544.94	1,380.97	1,379.40	8.28	4.00	63.11	-4,345.73	3,379.95	5,337.61	5,325.86	11.75	454.309	
1,700.00	1,632.39	1,430.00	1,427.97	9.23	4.20	63.77	-4,350.93	3,375.65	5,317.52	5,304.72	12.80	415.367	
1,800.00	1,718.11	1,430.00	1,427.97	10.25	4.20	64.15	-4,350.93	3,375.65	5,297.25	5,283.52	13.73	385.799	
1,900.00	1,801.97	10,816.00	6,304.53	11.35	82.16	124.84	-31.09	3,242.27	5,274.90	5,216.78	58.12	90.756	
2,005.96	1,888.70	10,816.00	6,304.53	12.60	82.16	140.95	-31.09	3,242.27	5,169.43	5,111.29	58.14	88.917	
2,100.00	1,964.66	10,816.00	6,304.53	13.75	82.16	140.95	-31.09	3,242.27	5,075.97	5,017.83	58.14	87.311	
2,200.00	2,045.44	10,816.00	6,304.53	14.99	82.16	140.95	-31.09	3,242.27	4,976.61	4,918.47	58.14	85.594	
2,300.00	2,126.22	10,816.00	6,304.53	16.24	82.16	140.95	-31.09	3,242.27	4,877.28	4,819.13	58.15	83.872	
2,400.00	2,207.00	10,816.00	6,304.53	17.50	82.16	140.95	-31.09	3,242.27	4,777.98	4,719.81	58.17	82.144	
2,500.00	2,287.78	10,816.00	6,304.53	18.77	82.16	140.95	-31.09	3,242.27	4,678.70	4,620.52	58.18	80.413	
2,600.00	2,368.56	10,816.00	6,304.53	20.04	82.16	140.95	-31.09	3,242.27	4,579.46	4,521.26	58.21	78.678	
2,700.00	2,449.34	10,816.00	6,304.53	21.31	82.16	140.95	-31.09	3,242.27	4,480.25	4,422.02	58.23	76.939	
2,800.00	2,530.12	10,816.00	6,304.53	22.59	82.16	140.95	-31.09	3,242.27	4,381.08	4,322.82	58.26	75.197	
2,900.00	2,610.90	10,816.00	6,304.53	23.88	82.16	140.95	-31.09	3,242.27	4,281.95	4,223.65	58.30	73.452	
3,000.00	2,691.68	10,816.00	6,304.53	25.16	82.16	140.95	-31.09	3,242.27	4,182.85	4,124.52	58.33	71.706	
3,100.00	2,772.46	10,816.00	6,304.53	26.45	82.16	140.95	-31.09	3,242.27	4,083.81	4,025.43	58.38	69.957	
3,200.00	2,853.23	10,816.00	6,304.53	27.74	82.16	140.95	-31.09	3,242.27	3,984.80	3,926.38	58.42	68.207	
3,300.00	2,934.01	10,816.00	6,304.53	29.03	82.16	140.95	-31.09	3,242.27	3,885.85	3,827.38	58.47	66.456	
3,400.00	3,014.79	10,816.00	6,304.53	30.32	82.16	140.95	-31.09	3,242.27	3,786.96	3,728.43	58.53	64.704	
3,500.00	3,095.57	10,816.00	6,304.53	31.61	82.16	140.95	-31.09	3,242.27	3,688.12	3,629.54	58.59	62.952	
3,600.00	3,176.35	10,816.00	6,304.53	32.91	82.16	140.95	-31.09	3,242.27	3,589.35	3,530.70	58.65	61.200	
3,700.00	3,257.13	10,816.00	6,304.53	34.20	82.16	140.95	-31.09	3,242.27	3,490.65	3,431.94	58.72	59.448	
3,800.00	3,337.91	10,816.00	6,304.53	35.50	82.16	140.95	-31.09	3,242.27	3,392.03	3,333.24	58.79	57.697	
3,900.00	3,418.69	10,816.00	6,304.53	36.80	82.16	140.95	-31.09	3,242.27	3,293.49	3,234.62	58.87	55.947	
4,000.00	3,499.47	10,816.00	6,304.53	38.09	82.16	140.95	-31.09	3,242.27	3,195.04	3,136.08	58.95	54.198	
4,100.00	3,580.25	10,816.00	6,304.53	39.39	82.16	140.95	-31.09	3,242.27	3,096.68	3,037.64	59.04	52.451	
4,200.00	3,661.03	10,816.00	6,304.53	40.69	82.16	140.95	-31.09	3,242.27	2,998.44	2,939.31	59.13	50.706	
4,300.00	3,741.81	10,816.00	6,304.53	41.99	82.16	140.95	-31.09	3,242.27	2,900.32	2,841.08	59.24	48.962	
4,400.00	3,822.58	10,816.00	6,304.53	43.29	82.16	140.95	-31.09	3,242.27	2,802.33	2,742.98	59.34	47.221	
4,500.00	3,903.36	10,816.00	6,304.53	44.59	82.16	140.95	-31.09	3,242.27	2,704.49	2,645.03	59.46	45.483	
4,600.00	3,984.14	10,816.00	6,304.53	45.89	82.16	140.95	-31.09	3,242.27	2,606.81	2,547.22	59.59	43.748	
4,700.00	4,064.92	10,816.00	6,304.53	47.20	82.16	140.95	-31.09	3,242.27	2,509.31	2,449.59	59.72	42.017	
4,800.00	4,145.70	10,816.00	6,304.53	48.50	82.16	140.95	-31.09	3,242.27	2,412.02	2,352.15	59.87	40.289	
4,900.00	4,226.48	10,816.00	6,304.53	49.80	82.16	140.95	-31.09	3,242.27	2,314.96	2,254.94	60.03	38.566	
5,000.00	4,307.26	10,816.00	6,304.53	51.10	82.16	140.95	-31.09	3,242.27	2,218.16	2,157.96	60.20	36.848	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,100.00	4,388.04	10,816.00	6,304.53	52.40	82.16	140.95	-31.09	3,242.27	2,121.66	2,061.27	60.39	35.135	
5,200.00	4,468.82	10,816.00	6,304.53	53.71	82.16	140.95	-31.09	3,242.27	2,025.50	1,964.90	60.59	33.428	
5,300.00	4,549.60	10,816.00	6,304.53	55.01	82.16	140.95	-31.09	3,242.27	1,929.73	1,868.90	60.82	31.728	
5,400.00	4,630.38	10,816.00	6,304.53	56.31	82.16	140.95	-31.09	3,242.27	1,834.40	1,773.33	61.07	30.035	
5,500.00	4,711.16	10,816.00	6,304.53	57.62	82.16	140.95	-31.09	3,242.27	1,739.61	1,678.25	61.36	28.352	
5,600.00	4,791.93	10,816.00	6,304.53	58.92	82.16	140.95	-31.09	3,242.27	1,645.43	1,583.75	61.68	26.678	
5,700.00	4,872.71	10,816.00	6,304.53	60.23	82.16	140.95	-31.09	3,242.27	1,551.98	1,489.94	62.04	25.016	
5,800.00	4,953.49	10,816.00	6,304.53	61.53	82.16	140.95	-31.09	3,242.27	1,459.40	1,396.94	62.45	23.368	
5,900.00	5,034.27	10,816.00	6,304.53	62.83	82.16	140.95	-31.09	3,242.27	1,367.86	1,304.92	62.93	21.735	
6,000.00	5,115.05	10,816.00	6,304.53	64.14	82.16	140.95	-31.09	3,242.27	1,277.59	1,214.09	63.50	20.120	
6,100.00	5,195.83	10,816.00	6,304.53	65.44	82.16	140.95	-31.09	3,242.27	1,188.88	1,124.70	64.18	18.525	
6,200.00	5,276.61	10,816.00	6,304.53	66.75	82.16	140.95	-31.09	3,242.27	1,102.10	1,037.10	65.01	16.953	
6,300.00	5,357.39	10,816.00	6,304.53	68.05	82.16	140.95	-31.09	3,242.27	1,017.76	951.70	66.05	15.408	
6,400.00	5,438.17	10,816.00	6,304.53	69.36	82.16	140.95	-31.09	3,242.27	936.50	869.08	67.42	13.891	
6,500.00	5,518.95	10,816.00	6,304.53	70.66	82.16	140.95	-31.09	3,242.27	859.20	789.93	69.27	12.404	
6,600.00	5,599.73	10,816.00	6,304.53	71.97	82.16	140.95	-31.09	3,242.27	787.04	715.17	71.87	10.951	
6,700.00	5,680.51	10,816.00	6,304.53	73.27	82.16	140.95	-31.09	3,242.27	721.54	645.93	75.61	9.542	
6,800.00	5,761.29	10,816.00	6,304.53	74.58	82.16	140.95	-31.09	3,242.27	664.70	583.76	80.94	8.213	
6,837.84	5,791.85	10,816.00	6,304.53	75.07	82.16	140.95	-31.09	3,242.27	645.93	562.51	83.42	7.743	
6,850.00	5,801.67	10,816.00	6,304.53	75.23	82.16	142.15	-31.09	3,242.27	640.33	556.06	84.28	7.598	
6,900.00	5,841.80	10,816.00	6,304.53	75.88	82.16	147.30	-31.09	3,242.27	621.09	532.99	88.10	7.050	
6,950.00	5,881.33	10,816.00	6,304.53	76.52	82.16	152.59	-31.09	3,242.27	608.40	516.14	92.26	6.594	
7,000.00	5,919.97	10,816.00	6,304.53	77.14	82.16	157.84	-31.09	3,242.27	602.78	506.32	96.47	6.248	
7,013.45	5,930.17	10,816.00	6,304.53	77.30	82.16	159.23	-31.09	3,242.27	602.52	504.95	97.57	6.175 CC	
7,050.00	5,957.41	10,816.00	6,304.53	77.74	82.16	162.97	-31.09	3,242.27	604.48	504.04	100.44	6.018 ES	
7,100.00	5,993.37	10,816.00	6,304.53	78.32	82.16	167.97	-31.09	3,242.27	613.40	509.48	103.92	5.903	
7,150.00	6,027.59	10,816.00	6,304.53	78.86	82.16	172.92	-31.09	3,242.27	629.19	522.42	106.77	5.893 SF	
7,200.00	6,059.79	10,816.00	6,304.53	79.36	82.16	177.92	-31.09	3,242.27	651.23	542.30	108.94	5.978	
7,250.00	6,089.73	10,816.00	6,304.53	79.83	82.16	-176.89	-31.09	3,242.27	678.76	568.29	110.46	6.145	
7,300.00	6,117.20	10,816.00	6,304.53	80.25	82.16	-171.32	-31.09	3,242.27	710.93	599.49	111.44	6.380	
7,350.00	6,141.96	10,816.00	6,304.53	80.63	82.16	-165.17	-31.09	3,242.27	746.92	634.96	111.97	6.671	
7,400.00	6,163.85	10,816.00	6,304.53	80.98	82.16	-158.20	-31.09	3,242.27	785.96	673.81	112.15	7.008	
7,450.00	6,182.69	10,816.00	6,304.53	81.28	82.16	-150.21	-31.09	3,242.27	827.34	715.25	112.08	7.381	
7,500.00	6,198.33	10,816.00	6,304.53	81.54	82.16	-141.08	-31.09	3,242.27	870.43	758.59	111.83	7.783	
7,550.00	6,210.67	10,816.00	6,304.53	81.77	82.16	-130.91	-31.09	3,242.27	914.68	803.23	111.45	8.207	
7,600.00	6,219.60	10,816.00	6,304.53	81.96	82.16	-120.12	-31.09	3,242.27	959.63	848.65	110.98	8.647	
7,650.00	6,225.05	10,816.00	6,304.53	82.11	82.16	-109.42	-31.09	3,242.27	1,004.85	894.41	110.44	9.098	
7,702.53	6,227.00	10,816.00	6,304.53	82.24	82.16	-99.08	-31.09	3,242.27	1,052.27	942.44	109.83	9.581	
7,800.00	6,227.00	10,816.00	6,304.53	82.45	82.16	-99.08	-31.09	3,242.27	1,140.76	1,032.04	108.72	10.493	
7,900.00	6,227.00	10,816.00	6,304.53	82.68	82.16	-99.08	-31.09	3,242.27	1,232.95	1,125.25	107.70	11.448	
8,000.00	6,227.00	10,816.00	6,304.53	82.93	82.16	-99.08	-31.09	3,242.27	1,326.27	1,219.46	106.80	12.418	
8,100.00	6,227.00	10,816.00	6,304.53	83.20	82.16	-99.08	-31.09	3,242.27	1,420.50	1,314.48	106.02	13.399	
8,200.00	6,227.00	10,816.00	6,304.53	83.49	82.16	-99.08	-31.09	3,242.27	1,515.47	1,410.15	105.32	14.389	
8,300.00	6,227.00	10,816.00	6,304.53	83.80	82.16	-99.08	-31.09	3,242.27	1,611.05	1,506.33	104.71	15.386	
8,400.00	6,227.00	10,816.00	6,304.53	84.12	82.16	-99.08	-31.09	3,242.27	1,707.13	1,602.96	104.17	16.387	
8,500.00	6,227.00	10,816.00	6,304.53	84.47	82.16	-99.08	-31.09	3,242.27	1,803.64	1,699.94	103.70	17.393	
8,600.00	6,227.00	10,816.00	6,304.53	84.83	82.16	-99.08	-31.09	3,242.27	1,900.51	1,797.24	103.28	18.402	
8,700.00	6,227.00	10,816.00	6,304.53	85.22	82.16	-99.08	-31.09	3,242.27	1,997.69	1,894.79	102.90	19.413	
8,800.00	6,227.00	10,816.00	6,304.53	85.62	82.16	-99.08	-31.09	3,242.27	2,095.14	1,992.57	102.57	20.426	
8,900.00	6,227.00	10,816.00	6,304.53	86.05	82.16	-99.08	-31.09	3,242.27	2,192.81	2,090.54	102.27	21.441	
9,000.00	6,227.00	10,816.00	6,304.53	86.51	82.16	-99.08	-31.09	3,242.27	2,290.69	2,188.68	102.01	22.456	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,100.00	6,227.00	10,816.00	6,304.53	86.98	82.16	-99.08	-31.09	3,242.27	2,388.74	2,286.97	101.77	23.472	
9,200.00	6,227.00	10,816.00	6,304.53	87.49	82.16	-99.08	-31.09	3,242.27	2,486.95	2,385.39	101.56	24.488	
9,300.00	6,227.00	10,816.00	6,304.53	88.01	82.16	-99.08	-31.09	3,242.27	2,585.29	2,483.93	101.36	25.505	
9,400.00	6,227.00	10,816.00	6,304.53	88.56	82.16	-99.08	-31.09	3,242.27	2,683.76	2,582.57	101.19	26.522	
9,500.00	6,227.00	10,816.00	6,304.53	89.14	82.16	-99.08	-31.09	3,242.27	2,782.34	2,681.30	101.03	27.539	
9,600.00	6,227.00	10,816.00	6,304.53	89.75	82.16	-99.08	-31.09	3,242.27	2,881.01	2,780.12	100.89	28.556	
9,700.00	6,227.00	10,816.00	6,304.53	90.38	82.16	-99.08	-31.09	3,242.27	2,979.77	2,879.01	100.76	29.572	
9,800.00	6,227.00	10,816.00	6,304.53	91.04	82.16	-99.08	-31.09	3,242.27	3,078.62	2,977.97	100.65	30.589	
9,900.00	6,227.00	10,816.00	6,304.53	91.73	82.16	-99.08	-31.09	3,242.27	3,177.53	3,076.99	100.54	31.605	
10,000.00	6,227.00	10,816.00	6,304.53	92.44	82.16	-99.08	-31.09	3,242.27	3,276.51	3,176.07	100.44	32.621	
10,100.00	6,227.00	10,816.00	6,304.53	93.19	82.16	-99.08	-31.09	3,242.27	3,375.55	3,275.20	100.35	33.636	
10,200.00	6,227.00	10,816.00	6,304.53	93.96	82.16	-99.08	-31.09	3,242.27	3,474.65	3,374.37	100.27	34.652	
10,300.00	6,227.00	10,816.00	6,304.53	94.76	82.16	-99.08	-31.09	3,242.27	3,573.79	3,473.59	100.20	35.667	
10,400.00	6,227.00	10,816.00	6,304.53	95.59	82.16	-99.08	-31.09	3,242.27	3,672.99	3,572.85	100.13	36.681	
10,500.00	6,227.00	10,816.00	6,304.53	96.45	82.16	-99.08	-31.09	3,242.27	3,772.22	3,672.15	100.07	37.695	
10,600.00	6,227.00	10,816.00	6,304.53	97.34	82.16	-99.08	-31.09	3,242.27	3,871.50	3,771.48	100.02	38.709	
10,700.00	6,227.00	10,816.00	6,304.53	98.26	82.16	-99.08	-31.09	3,242.27	3,970.81	3,870.84	99.97	39.722	
10,800.00	6,227.00	10,816.00	6,304.53	99.20	82.16	-99.08	-31.09	3,242.27	4,070.15	3,970.23	99.92	40.735	
10,900.00	6,227.00	10,816.00	6,304.53	100.18	82.16	-99.08	-31.09	3,242.27	4,169.53	4,069.65	99.88	41.747	
11,000.00	6,227.00	10,816.00	6,304.53	101.18	82.16	-99.08	-31.09	3,242.27	4,268.93	4,169.10	99.84	42.758	
11,100.00	6,227.00	10,816.00	6,304.53	102.20	82.16	-99.08	-31.09	3,242.27	4,368.37	4,268.56	99.80	43.770	
11,200.00	6,227.00	10,816.00	6,304.53	103.26	82.16	-99.08	-31.09	3,242.27	4,467.82	4,368.05	99.77	44.781	
11,300.00	6,227.00	10,816.00	6,304.53	104.33	82.16	-99.08	-31.09	3,242.27	4,567.31	4,467.56	99.74	45.791	
11,400.00	6,227.00	10,816.00	6,304.53	105.44	82.16	-99.08	-31.09	3,242.27	4,666.81	4,567.09	99.72	46.801	
11,500.00	6,227.00	10,816.00	6,304.53	106.57	82.16	-99.08	-31.09	3,242.27	4,766.33	4,666.64	99.69	47.810	
11,600.00	6,227.00	10,816.00	6,304.53	107.72	82.16	-99.08	-31.09	3,242.27	4,865.88	4,766.20	99.67	48.819	
11,700.00	6,227.00	10,816.00	6,304.53	108.89	82.16	-99.08	-31.09	3,242.27	4,965.44	4,865.79	99.65	49.827	
11,800.00	6,227.00	10,816.00	6,304.53	110.09	82.16	-99.08	-31.09	3,242.27	5,065.02	4,965.38	99.64	50.834	
11,900.00	6,227.00	10,816.00	6,304.53	111.31	82.16	-99.08	-31.09	3,242.27	5,164.61	5,064.99	99.62	51.842	
12,000.00	6,227.00	10,816.00	6,304.53	112.54	82.16	-99.08	-31.09	3,242.27	5,264.23	5,164.61	99.61	52.848	
12,100.00	6,227.00	10,816.00	6,304.53	113.80	82.16	-99.08	-31.09	3,242.27	5,363.85	5,264.25	99.60	53.854	
12,200.00	6,227.00	10,816.00	6,304.53	115.08	82.16	-99.08	-31.09	3,242.27	5,463.49	5,363.90	99.59	54.860	
12,300.00	6,227.00	10,816.00	6,304.53	116.37	82.16	-99.08	-31.09	3,242.27	5,563.14	5,463.56	99.58	55.865	
12,400.00	6,227.00	10,816.00	6,304.53	117.69	82.16	-99.08	-31.09	3,242.27	5,662.81	5,563.23	99.58	56.869	
12,500.00	6,227.00	10,816.00	6,304.53	119.02	82.16	-99.08	-31.09	3,242.27	5,762.48	5,662.91	99.57	57.873	
12,600.00	6,227.00	10,816.00	6,304.53	120.36	82.16	-99.08	-31.09	3,242.27	5,862.17	5,762.60	99.57	58.876	
12,700.00	6,227.00	10,816.00	6,304.53	121.72	82.16	-99.08	-31.09	3,242.27	5,961.87	5,862.30	99.57	59.879	
12,800.00	6,227.00	10,816.00	6,304.53	123.10	82.16	-99.08	-31.09	3,242.27	6,061.57	5,962.01	99.56	60.881	
12,900.00	6,227.00	10,816.00	6,304.53	124.49	82.16	-99.08	-31.09	3,242.27	6,161.29	6,061.73	99.56	61.882	
13,000.00	6,227.00	10,816.00	6,304.53	125.89	82.16	-99.08	-31.09	3,242.27	6,261.02	6,161.45	99.57	62.883	
13,100.00	6,227.00	10,816.00	6,304.53	127.31	82.16	-99.08	-31.09	3,242.27	6,360.75	6,261.18	99.57	63.884	
13,200.00	6,227.00	10,816.00	6,304.53	128.74	82.16	-99.08	-31.09	3,242.27	6,460.49	6,360.92	99.57	64.883	
13,300.00	6,227.00	10,816.00	6,304.53	130.18	82.16	-99.08	-31.09	3,242.27	6,560.25	6,460.67	99.58	65.882	
13,400.00	6,227.00	10,816.00	6,304.53	131.63	82.16	-99.08	-31.09	3,242.27	6,660.00	6,560.42	99.58	66.881	
13,500.00	6,227.00	10,816.00	6,304.53	133.09	82.16	-99.08	-31.09	3,242.27	6,759.77	6,660.18	99.59	67.879	
13,600.00	6,227.00	10,816.00	6,304.53	134.57	82.16	-99.08	-31.09	3,242.27	6,859.54	6,759.95	99.59	68.876	
13,700.00	6,227.00	10,816.00	6,304.53	136.05	82.16	-99.08	-31.09	3,242.27	6,959.32	6,859.72	99.60	69.872	
13,800.00	6,227.00	10,816.00	6,304.53	137.54	82.16	-99.08	-31.09	3,242.27	7,059.10	6,959.50	99.61	70.868	
13,900.00	6,227.00	10,816.00	6,304.53	139.05	82.16	-99.08	-31.09	3,242.27	7,158.90	7,059.28	99.62	71.864	
14,000.00	6,227.00	10,816.00	6,304.53	140.56	82.16	-99.08	-31.09	3,242.27	7,258.69	7,159.06	99.63	72.858	
14,100.00	6,227.00	10,816.00	6,304.53	142.07	82.16	-99.08	-31.09	3,242.27	7,358.49	7,258.86	99.64	73.852	

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
14,200.00	6,227.00	10,816.00	6,304.53	143.60	82.16	-99.08	-31.09	3,242.27	7,458.30	7,358.65	99.65	74.846	
14,300.00	6,227.00	10,816.00	6,304.53	145.14	82.16	-99.08	-31.09	3,242.27	7,558.11	7,458.45	99.66	75.838	
14,400.00	6,227.00	10,816.00	6,304.53	146.68	82.16	-99.08	-31.09	3,242.27	7,657.93	7,558.26	99.67	76.830	
14,500.00	6,227.00	10,816.00	6,304.53	148.23	82.16	-99.08	-31.09	3,242.27	7,757.75	7,658.07	99.69	77.821	
14,600.00	6,227.00	10,816.00	6,304.53	149.78	82.16	-99.08	-31.09	3,242.27	7,857.58	7,757.88	99.70	78.812	
14,700.00	6,227.00	10,816.00	6,304.53	151.35	82.16	-99.08	-31.09	3,242.27	7,957.41	7,857.70	99.71	79.802	
14,800.00	6,227.00	10,816.00	6,304.53	152.91	82.16	-99.08	-31.09	3,242.27	8,057.25	7,957.52	99.73	80.791	
14,900.00	6,227.00	10,816.00	6,304.53	154.49	82.16	-99.08	-31.09	3,242.27	8,157.09	8,057.34	99.74	81.780	
15,000.00	6,227.00	10,816.00	6,304.53	156.07	82.16	-99.08	-31.09	3,242.27	8,256.93	8,157.17	99.76	82.767	
15,100.00	6,227.00	10,816.00	6,304.53	157.65	82.16	-99.08	-31.09	3,242.27	8,356.78	8,257.00	99.78	83.754	
15,200.00	6,227.00	10,816.00	6,304.53	159.24	82.16	-99.08	-31.09	3,242.27	8,456.63	8,356.83	99.79	84.741	
15,300.00	6,227.00	10,816.00	6,304.53	160.84	82.16	-99.08	-31.09	3,242.27	8,556.48	8,456.67	99.81	85.726	
15,400.00	6,227.00	10,816.00	6,304.53	162.44	82.16	-99.08	-31.09	3,242.27	8,656.34	8,556.51	99.83	86.711	
15,500.00	6,227.00	10,816.00	6,304.53	164.05	82.16	-99.08	-31.09	3,242.27	8,756.20	8,656.35	99.85	87.695	
15,600.00	6,227.00	10,816.00	6,304.53	165.66	82.16	-99.08	-31.09	3,242.27	8,856.06	8,756.20	99.87	88.679	
15,700.00	6,227.00	10,816.00	6,304.53	167.27	82.16	-99.08	-31.09	3,242.27	8,955.93	8,856.04	99.89	89.661	
15,800.00	6,227.00	10,816.00	6,304.53	168.89	82.16	-99.08	-31.09	3,242.27	9,055.80	8,955.89	99.91	90.643	
15,900.00	6,227.00	10,816.00	6,304.53	170.51	82.16	-99.08	-31.09	3,242.27	9,155.67	9,055.75	99.93	91.624	
16,000.00	6,227.00	10,816.00	6,304.53	172.14	82.16	-99.08	-31.09	3,242.27	9,255.55	9,155.60	99.95	92.604	
16,100.00	6,227.00	10,816.00	6,304.53	173.77	82.16	-99.08	-31.09	3,242.27	9,355.42	9,255.46	99.97	93.584	
16,200.00	6,227.00	10,816.00	6,304.53	175.40	82.16	-99.08	-31.09	3,242.27	9,455.31	9,355.32	99.99	94.563	
16,300.00	6,227.00	10,816.00	6,304.53	177.04	82.16	-99.08	-31.09	3,242.27	9,555.19	9,455.18	100.01	95.540	
16,400.00	6,227.00	10,816.00	6,304.53	178.68	82.16	-99.08	-31.09	3,242.27	9,655.07	9,555.04	100.03	96.518	
16,500.00	6,227.00	10,816.00	6,304.53	180.32	82.16	-99.08	-31.09	3,242.27	9,754.96	9,654.90	100.06	97.494	
16,600.00	6,227.00	10,816.00	6,304.53	181.96	82.16	-99.08	-31.09	3,242.27	9,854.85	9,754.77	100.08	98.469	
16,700.00	6,227.00	10,816.00	6,304.53	183.61	82.16	-99.08	-31.09	3,242.27	9,954.74	9,854.64	100.10	99.444	
16,800.00	6,227.00	10,816.00	6,304.53	185.27	82.16	-99.08	-31.09	3,242.27	10,054.64	9,954.51	100.13	100.418	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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
0.00	0.00	4.93	4.93	0.00	0.01	142.09	-4,375.47	3,407.72	5,545.93				
100.00	100.00	103.50	103.50	0.27	0.18	142.09	-4,375.52	3,407.69	5,545.94	5,545.49	0.45	N/A	
200.00	200.00	202.08	202.08	0.63	0.35	142.09	-4,375.64	3,407.59	5,545.98	5,545.00	0.98	5,671.981	
300.00	299.98	300.63	300.63	0.98	0.52	57.92	-4,375.84	3,407.44	5,545.12	5,543.62	1.50	3,693.653	
400.00	399.84	399.05	399.05	1.34	0.69	58.01	-4,376.12	3,407.23	5,542.43	5,540.41	2.03	2,733.711	
500.00	499.45	497.21	497.20	1.71	0.86	58.17	-4,376.48	3,406.95	5,537.93	5,535.37	2.56	2,159.705	
600.00	598.70	513.00	513.00	2.10	0.89	58.28	-4,376.54	3,406.90	5,532.25	5,529.28	2.97	1,861.921	
700.00	697.47	513.00	513.00	2.51	0.89	58.38	-4,376.54	3,406.90	5,526.51	5,523.14	3.37	1,639.368	
800.00	795.62	557.01	556.99	2.95	1.05	58.56	-4,377.26	3,407.62	5,519.64	5,515.69	3.95	1,397.654	
900.00	893.06	604.00	603.86	3.44	1.22	58.76	-4,379.19	3,410.27	5,513.52	5,508.95	4.56	1,208.402	
1,000.00	989.64	604.00	603.86	3.96	1.22	58.89	-4,379.19	3,410.27	5,506.12	5,501.07	5.05	1,090.919	
1,100.00	1,085.27	604.00	603.86	4.54	1.22	59.01	-4,379.19	3,410.27	5,498.73	5,493.16	5.57	986.962	
1,200.00	1,179.82	666.45	666.02	5.16	1.44	59.31	-4,382.64	3,415.26	5,490.84	5,484.49	6.36	863.861	
1,300.00	1,273.17	741.26	740.43	5.85	1.71	59.69	-4,386.93	3,421.64	5,481.79	5,474.55	7.24	757.396	
1,400.00	1,365.21	787.00	785.92	6.59	1.88	60.01	-4,389.58	3,425.67	5,471.54	5,463.47	8.07	678.322	
1,500.00	1,455.84	836.51	835.11	7.40	2.08	60.37	-4,392.87	3,430.16	5,460.52	5,451.55	8.97	608.690	
1,600.00	1,544.94	879.00	877.27	8.28	2.24	60.74	-4,396.36	3,434.14	5,449.09	5,439.18	9.91	549.905	
1,700.00	1,632.39	986.99	984.38	9.23	2.68	61.43	-4,405.51	3,444.43	5,436.66	5,425.50	11.16	487.184	
1,800.00	1,718.11	1,005.35	1,002.56	10.25	2.76	61.75	-4,407.15	3,446.33	5,423.21	5,411.07	12.15	446.533	
1,900.00	1,801.97	1,063.00	1,059.58	11.35	3.00	62.28	-4,412.72	3,452.79	5,409.61	5,396.26	13.35	405.239	
2,005.96	1,888.70	1,089.81	1,086.06	12.60	3.11	62.69	-4,415.46	3,455.99	5,394.45	5,379.88	14.58	370.074	
2,100.00	1,964.66	1,154.00	1,149.49	13.75	3.39	63.03	-4,421.76	3,463.58	5,380.77	5,364.90	15.87	339.062	
2,200.00	2,045.44	1,212.35	1,207.08	14.99	3.64	63.33	-4,427.50	3,470.91	5,367.05	5,349.83	17.23	311.542	
2,300.00	2,126.22	1,256.05	1,250.12	16.24	3.83	63.56	-4,432.03	3,476.99	5,354.64	5,336.09	18.55	288.705	
2,400.00	2,207.00	1,516.45	1,507.01	17.50	4.99	64.91	-4,456.32	3,511.80	5,341.85	5,321.09	20.76	257.271	
2,500.00	2,287.78	10,918.00	6,370.89	18.77	82.74	54.81	-22.81	4,234.86	5,308.89	5,245.72	63.17	84.041	
2,600.00	2,368.56	10,918.00	6,370.89	20.04	82.74	54.81	-22.81	4,234.86	5,209.44	5,146.07	63.37	82.201	
2,700.00	2,449.34	10,918.00	6,370.89	21.31	82.74	54.81	-22.81	4,234.86	5,110.01	5,046.43	63.59	80.361	
2,800.00	2,530.12	10,918.00	6,370.89	22.59	82.74	54.81	-22.81	4,234.86	5,010.61	4,946.80	63.81	78.522	
2,900.00	2,610.90	10,918.00	6,370.89	23.88	82.74	54.81	-22.81	4,234.86	4,911.23	4,847.18	64.04	76.684	
3,000.00	2,691.68	10,918.00	6,370.89	25.16	82.74	54.81	-22.81	4,234.86	4,811.87	4,747.58	64.29	74.848	
3,100.00	2,772.46	10,918.00	6,370.89	26.45	82.74	54.81	-22.81	4,234.86	4,712.54	4,648.00	64.54	73.014	
3,200.00	2,853.23	10,918.00	6,370.89	27.74	82.74	54.81	-22.81	4,234.86	4,613.24	4,548.43	64.81	71.181	
3,300.00	2,934.01	10,918.00	6,370.89	29.03	82.74	54.81	-22.81	4,234.86	4,513.98	4,448.89	65.09	69.352	
3,400.00	3,014.79	10,918.00	6,370.89	30.32	82.74	54.81	-22.81	4,234.86	4,414.74	4,349.36	65.38	67.526	
3,500.00	3,095.57	10,918.00	6,370.89	31.61	82.74	54.81	-22.81	4,234.86	4,315.54	4,249.86	65.68	65.703	
3,600.00	3,176.35	10,918.00	6,370.89	32.91	82.74	54.81	-22.81	4,234.86	4,216.38	4,150.38	66.00	63.884	
3,700.00	3,257.13	10,918.00	6,370.89	34.20	82.74	54.81	-22.81	4,234.86	4,117.26	4,050.92	66.33	62.069	
3,800.00	3,337.91	10,918.00	6,370.89	35.50	82.74	54.81	-22.81	4,234.86	4,018.18	3,951.50	66.68	60.259	
3,900.00	3,418.69	10,918.00	6,370.89	36.80	82.74	54.81	-22.81	4,234.86	3,919.15	3,852.10	67.05	58.453	
4,000.00	3,499.47	10,918.00	6,370.89	38.09	82.74	54.81	-22.81	4,234.86	3,820.17	3,752.74	67.43	56.653	
4,100.00	3,580.25	10,918.00	6,370.89	39.39	82.74	54.81	-22.81	4,234.86	3,721.24	3,653.41	67.83	54.858	
4,200.00	3,661.03	10,918.00	6,370.89	40.69	82.74	54.81	-22.81	4,234.86	3,622.37	3,554.12	68.26	53.069	
4,300.00	3,741.81	10,918.00	6,370.89	41.99	82.74	54.81	-22.81	4,234.86	3,523.57	3,454.87	68.70	51.287	
4,400.00	3,822.58	10,918.00	6,370.89	43.29	82.74	54.81	-22.81	4,234.86	3,424.84	3,355.66	69.17	49.511	
4,500.00	3,903.36	10,918.00	6,370.89	44.59	82.74	54.81	-22.81	4,234.86	3,326.18	3,256.51	69.67	47.743	
4,600.00	3,984.14	10,918.00	6,370.89	45.89	82.74	54.81	-22.81	4,234.86	3,227.60	3,157.41	70.19	45.982	
4,700.00	4,064.92	10,918.00	6,370.89	47.20	82.74	54.81	-22.81	4,234.86	3,129.12	3,058.37	70.75	44.229	
4,800.00	4,145.70	10,918.00	6,370.89	48.50	82.74	54.81	-22.81	4,234.86	3,030.73	2,959.39	71.34	42.485	
4,900.00	4,226.48	10,918.00	6,370.89	49.80	82.74	54.81	-22.81	4,234.86	2,932.45	2,860.49	71.96	40.750	
5,000.00	4,307.26	10,918.00	6,370.89	51.10	82.74	54.81	-22.81	4,234.86	2,834.30	2,761.67	72.63	39.025	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,100.00	4,388.04	10,918.00	6,370.89	52.40	82.74	54.81	-22.81	4,234.86	2,736.28	2,662.94	73.34	37.310	
5,200.00	4,468.82	10,918.00	6,370.89	53.71	82.74	54.81	-22.81	4,234.86	2,638.40	2,564.30	74.10	35.606	
5,300.00	4,549.60	10,918.00	6,370.89	55.01	82.74	54.81	-22.81	4,234.86	2,540.69	2,465.78	74.91	33.915	
5,400.00	4,630.38	10,918.00	6,370.89	56.31	82.74	54.81	-22.81	4,234.86	2,443.17	2,367.38	75.79	32.236	
5,500.00	4,711.16	10,918.00	6,370.89	57.62	82.74	54.81	-22.81	4,234.86	2,345.85	2,269.12	76.73	30.572	
5,600.00	4,791.93	10,918.00	6,370.89	58.92	82.74	54.81	-22.81	4,234.86	2,248.77	2,171.02	77.75	28.922	
5,700.00	4,872.71	10,918.00	6,370.89	60.23	82.74	54.81	-22.81	4,234.86	2,151.96	2,073.10	78.86	27.289	
5,800.00	4,953.49	10,918.00	6,370.89	61.53	82.74	54.81	-22.81	4,234.86	2,055.46	1,975.39	80.06	25.674	
5,900.00	5,034.27	10,918.00	6,370.89	62.83	82.74	54.81	-22.81	4,234.86	1,959.30	1,877.93	81.37	24.078	
6,000.00	5,115.05	10,918.00	6,370.89	64.14	82.74	54.81	-22.81	4,234.86	1,863.55	1,780.74	82.81	22.504	
6,100.00	5,195.83	10,918.00	6,370.89	65.44	82.74	54.81	-22.81	4,234.86	1,768.27	1,683.88	84.39	20.954	
6,200.00	5,276.61	10,918.00	6,370.89	66.75	82.74	54.81	-22.81	4,234.86	1,673.54	1,587.41	86.13	19.431	
6,300.00	5,357.39	10,918.00	6,370.89	68.05	82.74	54.81	-22.81	4,234.86	1,579.46	1,491.40	88.05	17.937	
6,400.00	5,438.17	10,918.00	6,370.89	69.36	82.74	54.81	-22.81	4,234.86	1,486.15	1,395.96	90.19	16.477	
6,500.00	5,518.95	10,918.00	6,370.89	70.66	82.74	54.81	-22.81	4,234.86	1,393.77	1,301.19	92.58	15.054	
6,600.00	5,599.73	10,918.00	6,370.89	71.97	82.74	54.81	-22.81	4,234.86	1,302.52	1,207.27	95.25	13.674	
6,700.00	5,680.51	10,918.00	6,370.89	73.27	82.74	54.81	-22.81	4,234.86	1,212.65	1,114.40	98.25	12.343	
6,800.00	5,761.29	10,918.00	6,370.89	74.58	82.74	54.81	-22.81	4,234.86	1,124.49	1,022.88	101.61	11.067	
6,837.84	5,791.85	10,918.00	6,370.89	75.07	82.74	54.81	-22.81	4,234.86	1,091.66	988.68	102.98	10.600	
6,850.00	5,801.67	10,918.00	6,370.89	75.23	82.74	57.75	-22.81	4,234.86	1,081.23	977.79	103.44	10.452	
6,900.00	5,841.80	10,918.00	6,370.89	75.88	82.74	68.75	-22.81	4,234.86	1,039.95	934.41	105.54	9.853	
6,950.00	5,881.33	10,918.00	6,370.89	76.52	82.74	78.16	-22.81	4,234.86	1,001.72	893.77	107.95	9.280	
7,000.00	5,919.97	10,918.00	6,370.89	77.14	82.74	86.19	-22.81	4,234.86	967.22	856.60	110.62	8.744	
7,050.00	5,957.41	10,918.00	6,370.89	77.74	82.74	92.97	-22.81	4,234.86	937.12	823.63	113.49	8.258	
7,100.00	5,993.37	10,918.00	6,370.89	78.32	82.74	98.64	-22.81	4,234.86	912.11	795.65	116.46	7.832	
7,150.00	6,027.59	10,918.00	6,370.89	78.86	82.74	103.32	-22.81	4,234.86	892.81	773.39	119.41	7.477	
7,200.00	6,059.79	10,918.00	6,370.89	79.36	82.74	107.12	-22.81	4,234.86	879.74	757.52	122.22	7.198	
7,250.00	6,089.73	10,918.00	6,370.89	79.83	82.74	110.13	-22.81	4,234.86	873.29	748.53	124.76	7.000	
7,272.00	6,102.14	10,918.00	6,370.89	80.01	82.74	111.23	-22.81	4,234.86	872.61	746.84	125.77	6.938 CC	
7,300.00	6,117.20	10,918.00	6,370.89	80.25	82.74	112.43	-22.81	4,234.86	873.66	746.73	126.93	6.883 ES	
7,350.00	6,141.96	10,918.00	6,370.89	80.63	82.74	114.06	-22.81	4,234.86	880.83	752.17	128.65	6.847 SF	
7,400.00	6,163.85	10,918.00	6,370.89	80.98	82.74	115.06	-22.81	4,234.86	894.58	764.66	129.91	6.886	
7,450.00	6,182.69	10,918.00	6,370.89	81.28	82.74	115.41	-22.81	4,234.86	914.52	783.78	130.74	6.995	
7,500.00	6,198.33	10,918.00	6,370.89	81.54	82.74	115.10	-22.81	4,234.86	940.10	808.93	131.17	7.167	
7,550.00	6,210.67	10,918.00	6,370.89	81.77	82.74	114.05	-22.81	4,234.86	970.70	839.41	131.30	7.393	
7,600.00	6,219.60	10,918.00	6,370.89	81.96	82.74	112.13	-22.81	4,234.86	1,005.64	874.45	131.19	7.666	
7,650.00	6,225.05	10,918.00	6,370.89	82.11	82.74	109.13	-22.81	4,234.86	1,044.22	913.31	130.91	7.976	
7,702.53	6,227.00	10,918.00	6,370.89	82.24	82.74	104.45	-22.81	4,234.86	1,087.96	957.43	130.53	8.335	
7,800.00	6,227.00	10,918.00	6,370.89	82.45	82.74	104.45	-22.81	4,234.86	1,172.78	1,043.07	129.71	9.042	
7,900.00	6,227.00	10,918.00	6,370.89	82.68	82.74	104.45	-22.81	4,234.86	1,261.70	1,132.84	128.86	9.792	
8,000.00	6,227.00	10,918.00	6,370.89	82.93	82.74	104.45	-22.81	4,234.86	1,352.17	1,224.15	128.02	10.562	
8,100.00	6,227.00	10,918.00	6,370.89	83.20	82.74	104.45	-22.81	4,234.86	1,443.90	1,316.68	127.22	11.350	
8,200.00	6,227.00	10,918.00	6,370.89	83.49	82.74	104.45	-22.81	4,234.86	1,536.65	1,410.19	126.47	12.151	
8,300.00	6,227.00	10,918.00	6,370.89	83.80	82.74	104.45	-22.81	4,234.86	1,630.27	1,504.51	125.76	12.963	
8,400.00	6,227.00	10,918.00	6,370.89	84.12	82.74	104.45	-22.81	4,234.86	1,724.60	1,599.49	125.11	13.785	
8,500.00	6,227.00	10,918.00	6,370.89	84.47	82.74	104.45	-22.81	4,234.86	1,819.54	1,695.04	124.50	14.614	
8,600.00	6,227.00	10,918.00	6,370.89	84.83	82.74	104.45	-22.81	4,234.86	1,914.99	1,791.05	123.94	15.451	
8,700.00	6,227.00	10,918.00	6,370.89	85.22	82.74	104.45	-22.81	4,234.86	2,010.89	1,887.46	123.43	16.292	
8,800.00	6,227.00	10,918.00	6,370.89	85.62	82.74	104.45	-22.81	4,234.86	2,107.16	1,984.22	122.95	17.139	
8,900.00	6,227.00	10,918.00	6,370.89	86.05	82.74	104.45	-22.81	4,234.86	2,203.77	2,081.27	122.51	17.989	
9,000.00	6,227.00	10,918.00	6,370.89	86.51	82.74	104.45	-22.81	4,234.86	2,300.67	2,178.57	122.10	18.843	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
9,100.00	6,227.00	10,918.00	6,370.89	86.98	82.74	104.45	-22.81	4,234.86	2,397.82	2,276.11	121.72	19.700		
9,200.00	6,227.00	10,918.00	6,370.89	87.49	82.74	104.45	-22.81	4,234.86	2,495.20	2,373.84	121.37	20.559		
9,300.00	6,227.00	10,918.00	6,370.89	88.01	82.74	104.45	-22.81	4,234.86	2,592.78	2,471.74	121.04	21.421		
9,400.00	6,227.00	10,918.00	6,370.89	88.56	82.74	104.45	-22.81	4,234.86	2,690.54	2,569.80	120.74	22.284		
9,500.00	6,227.00	10,918.00	6,370.89	89.14	82.74	104.45	-22.81	4,234.86	2,788.45	2,668.00	120.45	23.150		
9,600.00	6,227.00	10,918.00	6,370.89	89.75	82.74	104.45	-22.81	4,234.86	2,886.51	2,766.32	120.19	24.016		
9,700.00	6,227.00	10,918.00	6,370.89	90.38	82.74	104.45	-22.81	4,234.86	2,984.69	2,864.75	119.94	24.884		
9,800.00	6,227.00	10,918.00	6,370.89	91.04	82.74	104.45	-22.81	4,234.86	3,083.00	2,963.29	119.71	25.753		
9,900.00	6,227.00	10,918.00	6,370.89	91.73	82.74	104.45	-22.81	4,234.86	3,181.41	3,061.91	119.50	26.624		
10,000.00	6,227.00	10,918.00	6,370.89	92.44	82.74	104.45	-22.81	4,234.86	3,279.91	3,160.62	119.29	27.494		
10,100.00	6,227.00	10,918.00	6,370.89	93.19	82.74	104.45	-22.81	4,234.86	3,378.50	3,259.40	119.10	28.366		
10,200.00	6,227.00	10,918.00	6,370.89	93.96	82.74	104.45	-22.81	4,234.86	3,477.18	3,358.25	118.93	29.238		
10,300.00	6,227.00	10,918.00	6,370.89	94.76	82.74	104.45	-22.81	4,234.86	3,575.92	3,457.17	118.76	30.111		
10,400.00	6,227.00	10,918.00	6,370.89	95.59	82.74	104.45	-22.81	4,234.86	3,674.74	3,556.14	118.60	30.985		
10,500.00	6,227.00	10,918.00	6,370.89	96.45	82.74	104.45	-22.81	4,234.86	3,773.62	3,655.17	118.45	31.858		
10,600.00	6,227.00	10,918.00	6,370.89	97.34	82.74	104.45	-22.81	4,234.86	3,872.55	3,754.24	118.31	32.732		
10,700.00	6,227.00	10,918.00	6,370.89	98.26	82.74	104.45	-22.81	4,234.86	3,971.54	3,853.36	118.18	33.607		
10,800.00	6,227.00	10,918.00	6,370.89	99.20	82.74	104.45	-22.81	4,234.86	4,070.58	3,952.53	118.05	34.481		
10,900.00	6,227.00	10,918.00	6,370.89	100.18	82.74	104.45	-22.81	4,234.86	4,169.66	4,051.73	117.93	35.356		
11,000.00	6,227.00	10,918.00	6,370.89	101.18	82.74	104.45	-22.81	4,234.86	4,268.79	4,150.97	117.82	36.231		
11,100.00	6,227.00	10,918.00	6,370.89	102.20	82.74	104.45	-22.81	4,234.86	4,367.95	4,250.24	117.72	37.106		
11,200.00	6,227.00	10,918.00	6,370.89	103.26	82.74	104.45	-22.81	4,234.86	4,467.16	4,349.54	117.61	37.981		
11,300.00	6,227.00	10,918.00	6,370.89	104.33	82.74	104.45	-22.81	4,234.86	4,566.40	4,448.88	117.52	38.856		
11,400.00	6,227.00	10,918.00	6,370.89	105.44	82.74	104.45	-22.81	4,234.86	4,665.67	4,548.24	117.43	39.732		
11,500.00	6,227.00	10,918.00	6,370.89	106.57	82.74	104.45	-22.81	4,234.86	4,764.97	4,647.62	117.34	40.607		
11,600.00	6,227.00	10,918.00	6,370.89	107.72	82.74	104.45	-22.81	4,234.86	4,864.30	4,747.03	117.26	41.482		
11,700.00	6,227.00	10,918.00	6,370.89	108.89	82.74	104.45	-22.81	4,234.86	4,963.65	4,846.47	117.19	42.357		
11,800.00	6,227.00	10,918.00	6,370.89	110.09	82.74	104.45	-22.81	4,234.86	5,063.04	4,945.92	117.11	43.232		
11,900.00	6,227.00	10,918.00	6,370.89	111.31	82.74	104.45	-22.81	4,234.86	5,162.44	5,045.40	117.04	44.107		
12,000.00	6,227.00	10,918.00	6,370.89	112.54	82.74	104.45	-22.81	4,234.86	5,261.87	5,144.89	116.98	44.982		
12,100.00	6,227.00	10,918.00	6,370.89	113.80	82.74	104.45	-22.81	4,234.86	5,361.32	5,244.41	116.91	45.857		
12,200.00	6,227.00	10,918.00	6,370.89	115.08	82.74	104.45	-22.81	4,234.86	5,460.79	5,343.93	116.85	46.732		
12,300.00	6,227.00	10,918.00	6,370.89	116.37	82.74	104.45	-22.81	4,234.86	5,560.28	5,443.48	116.80	47.606		
12,400.00	6,227.00	10,918.00	6,370.89	117.69	82.74	104.45	-22.81	4,234.86	5,659.79	5,543.04	116.74	48.480		
12,500.00	6,227.00	10,918.00	6,370.89	119.02	82.74	104.45	-22.81	4,234.86	5,759.31	5,642.62	116.69	49.354		
12,600.00	6,227.00	10,918.00	6,370.89	120.36	82.74	104.45	-22.81	4,234.86	5,858.85	5,742.20	116.64	50.228		
12,700.00	6,227.00	10,918.00	6,370.89	121.72	82.74	104.45	-22.81	4,234.86	5,958.40	5,841.81	116.60	51.102		
12,800.00	6,227.00	10,918.00	6,370.89	123.10	82.74	104.45	-22.81	4,234.86	6,057.97	5,941.42	116.56	51.975		
12,900.00	6,227.00	10,918.00	6,370.89	124.49	82.74	104.45	-22.81	4,234.86	6,157.56	6,041.05	116.51	52.848		
13,000.00	6,227.00	10,918.00	6,370.89	125.89	82.74	104.45	-22.81	4,234.86	6,257.16	6,140.68	116.47	53.721		
13,100.00	6,227.00	10,918.00	6,370.89	127.31	82.74	104.45	-22.81	4,234.86	6,356.77	6,240.33	116.44	54.594		
13,200.00	6,227.00	10,918.00	6,370.89	128.74	82.74	104.45	-22.81	4,234.86	6,456.39	6,339.99	116.40	55.466		
13,300.00	6,227.00	10,918.00	6,370.89	130.18	82.74	104.45	-22.81	4,234.86	6,556.02	6,439.65	116.37	56.338		
13,400.00	6,227.00	10,918.00	6,370.89	131.63	82.74	104.45	-22.81	4,234.86	6,655.67	6,539.33	116.34	57.210		
13,500.00	6,227.00	10,918.00	6,370.89	133.09	82.74	104.45	-22.81	4,234.86	6,755.32	6,639.01	116.31	58.082		
13,600.00	6,227.00	10,918.00	6,370.89	134.57	82.74	104.45	-22.81	4,234.86	6,854.99	6,738.71	116.28	58.953		
13,700.00	6,227.00	10,918.00	6,370.89	136.05	82.74	104.45	-22.81	4,234.86	6,954.66	6,838.41	116.25	59.824		
13,800.00	6,227.00	10,918.00	6,370.89	137.54	82.74	104.45	-22.81	4,234.86	7,054.35	6,938.12	116.23	60.694		
13,900.00	6,227.00	10,918.00	6,370.89	139.05	82.74	104.45	-22.81	4,234.86	7,154.04	7,037.83	116.20	61.564		
14,000.00	6,227.00	10,918.00	6,370.89	140.56	82.74	104.45	-22.81	4,234.86	7,253.74	7,137.56	116.18	62.434		
14,100.00	6,227.00	10,918.00	6,370.89	142.07	82.74	104.45	-22.81	4,234.86	7,353.45	7,237.29	116.16	63.304		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												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	
14,200.00	6,227.00	10,918.00	6,370.89	143.60	82.74	104.45	-22.81	4,234.86	7,453.17	7,337.02	116.14	64.173	
14,300.00	6,227.00	10,918.00	6,370.89	145.14	82.74	104.45	-22.81	4,234.86	7,552.89	7,436.77	116.12	65.041	
14,400.00	6,227.00	10,918.00	6,370.89	146.68	82.74	104.45	-22.81	4,234.86	7,652.62	7,536.51	116.11	65.910	
14,500.00	6,227.00	10,918.00	6,370.89	148.23	82.74	104.45	-22.81	4,234.86	7,752.36	7,636.27	116.09	66.778	
14,600.00	6,227.00	10,918.00	6,370.89	149.78	82.74	104.45	-22.81	4,234.86	7,852.11	7,736.03	116.08	67.645	
14,700.00	6,227.00	10,918.00	6,370.89	151.35	82.74	104.45	-22.81	4,234.86	7,951.86	7,835.79	116.06	68.513	
14,800.00	6,227.00	10,918.00	6,370.89	152.91	82.74	104.45	-22.81	4,234.86	8,051.62	7,935.56	116.05	69.379	
14,900.00	6,227.00	10,918.00	6,370.89	154.49	82.74	104.45	-22.81	4,234.86	8,151.38	8,035.34	116.04	70.246	
15,000.00	6,227.00	10,918.00	6,370.89	156.07	82.74	104.45	-22.81	4,234.86	8,251.15	8,135.12	116.03	71.112	
15,100.00	6,227.00	10,918.00	6,370.89	157.65	82.74	104.45	-22.81	4,234.86	8,350.92	8,234.90	116.02	71.977	
15,200.00	6,227.00	10,918.00	6,370.89	159.24	82.74	104.45	-22.81	4,234.86	8,450.70	8,334.69	116.01	72.842	
15,300.00	6,227.00	10,918.00	6,370.89	160.84	82.74	104.45	-22.81	4,234.86	8,550.49	8,434.48	116.01	73.707	
15,400.00	6,227.00	10,918.00	6,370.89	162.44	82.74	104.45	-22.81	4,234.86	8,650.28	8,534.28	116.00	74.571	
15,500.00	6,227.00	10,918.00	6,370.89	164.05	82.74	104.45	-22.81	4,234.86	8,750.08	8,634.08	116.00	75.435	
15,600.00	6,227.00	10,918.00	6,370.89	165.66	82.74	104.45	-22.81	4,234.86	8,849.88	8,733.88	115.99	76.298	
15,700.00	6,227.00	10,918.00	6,370.89	167.27	82.74	104.45	-22.81	4,234.86	8,949.68	8,833.69	115.99	77.161	
15,800.00	6,227.00	10,918.00	6,370.89	168.89	82.74	104.45	-22.81	4,234.86	9,049.49	8,933.50	115.98	78.023	
15,900.00	6,227.00	10,918.00	6,370.89	170.51	82.74	104.45	-22.81	4,234.86	9,149.30	9,033.32	115.98	78.885	
16,000.00	6,227.00	10,918.00	6,370.89	172.14	82.74	104.45	-22.81	4,234.86	9,249.12	9,133.14	115.98	79.746	
16,100.00	6,227.00	10,918.00	6,370.89	173.77	82.74	104.45	-22.81	4,234.86	9,348.94	9,232.96	115.98	80.607	
16,200.00	6,227.00	10,918.00	6,370.89	175.40	82.74	104.45	-22.81	4,234.86	9,448.76	9,332.78	115.98	81.468	
16,300.00	6,227.00	10,918.00	6,370.89	177.04	82.74	104.45	-22.81	4,234.86	9,548.59	9,432.61	115.98	82.327	
16,400.00	6,227.00	10,918.00	6,370.89	178.68	82.74	104.45	-22.81	4,234.86	9,648.42	9,532.44	115.98	83.187	
16,500.00	6,227.00	10,918.00	6,370.89	180.32	82.74	104.45	-22.81	4,234.86	9,748.26	9,632.27	115.99	84.046	
16,600.00	6,227.00	10,918.00	6,370.89	181.96	82.74	104.45	-22.81	4,234.86	9,848.10	9,732.11	115.99	84.904	
16,700.00	6,227.00	10,918.00	6,370.89	183.61	82.74	104.45	-22.81	4,234.86	9,947.94	9,831.94	115.99	85.762	
16,800.00	6,227.00	10,918.00	6,370.89	185.27	82.74	104.45	-22.81	4,234.86	10,047.78	9,931.79	116.00	86.619	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	94.72	94.72	0.27	0.15	141.45	-4,273.50	3,404.99	5,464.14	5,463.72	0.42	N/A	
200.00	200.00	177.64	177.64	0.63	0.43	141.45	-4,273.69	3,405.14	5,464.43	5,463.38	1.06	5,174.367	
300.00	299.98	273.48	273.48	0.98	0.77	57.27	-4,274.18	3,405.25	5,463.96	5,462.21	1.75	3,122.912	
400.00	399.84	352.19	352.18	1.34	1.05	57.35	-4,274.81	3,405.38	5,461.86	5,459.47	2.39	2,289.461	
500.00	499.45	447.46	447.45	1.71	1.39	57.49	-4,275.89	3,405.61	5,458.19	5,455.10	3.09	1,765.087	
600.00	598.70	511.47	511.45	2.10	1.62	57.65	-4,276.69	3,405.74	5,452.81	5,449.11	3.70	1,473.570	
700.00	697.47	575.00	574.96	2.51	1.85	57.85	-4,277.67	3,407.00	5,446.67	5,442.34	4.32	1,259.496	
800.00	795.62	575.00	574.96	2.95	1.85	57.97	-4,277.67	3,407.00	5,439.62	5,434.88	4.74	1,146.398	
900.00	893.06	631.64	631.54	3.44	2.05	58.20	-4,278.75	3,409.33	5,431.80	5,426.41	5.40	1,006.665	
1,000.00	989.64	668.00	667.83	3.96	2.18	58.41	-4,279.58	3,411.46	5,423.37	5,417.36	6.01	902.787	
1,100.00	1,085.27	705.32	705.04	4.54	2.32	58.65	-4,280.53	3,414.20	5,414.29	5,407.63	6.66	812.703	
1,200.00	1,179.82	761.00	760.45	5.16	2.52	58.95	-4,282.11	3,419.41	5,404.68	5,397.26	7.43	727.869	
1,300.00	1,273.17	761.00	760.45	5.85	2.52	59.13	-4,282.11	3,419.41	5,394.34	5,386.31	8.04	671.294	
1,400.00	1,365.21	806.27	805.41	6.59	2.69	59.45	-4,283.81	3,424.40	5,383.47	5,374.61	8.86	607.299	
1,500.00	1,455.84	855.00	853.72	7.40	2.88	59.81	-4,286.35	3,430.28	5,372.27	5,362.50	9.76	550.335	
1,600.00	1,544.94	855.00	853.72	8.28	2.88	60.01	-4,286.35	3,430.28	5,360.48	5,349.94	10.54	508.660	
1,700.00	1,632.39	913.27	911.39	9.23	3.11	60.46	-4,290.36	3,437.54	5,348.08	5,336.48	11.60	461.077	
1,800.00	1,718.11	948.00	945.74	10.25	3.25	60.84	-4,293.27	3,441.81	5,335.20	5,322.56	12.64	422.202	
1,900.00	1,801.97	983.62	980.91	11.35	3.40	61.24	-4,296.52	3,446.43	5,321.88	5,308.13	13.75	387.029	
2,005.96	1,888.70	1,039.00	1,035.41	12.60	3.63	61.77	-4,301.88	3,454.67	5,307.52	5,292.44	15.08	351.994	
2,100.00	1,964.66	1,039.00	1,035.41	13.75	3.63	61.77	-4,301.88	3,454.67	5,294.98	5,278.87	16.11	328.712	
2,200.00	2,045.44	1,108.03	1,103.13	14.99	3.93	62.11	-4,308.90	3,466.04	5,282.74	5,265.23	17.50	301.808	
2,300.00	2,126.22	1,195.14	1,188.37	16.24	4.33	62.53	-4,317.34	3,481.82	5,271.29	5,252.29	18.99	277.532	
2,400.00	2,207.00	1,642.99	1,625.84	17.50	6.44	64.45	-4,330.94	3,575.74	5,254.61	5,232.52	22.09	237.849	
2,500.00	2,287.78	1,688.00	1,669.88	18.77	6.65	64.64	-4,331.18	3,585.05	5,237.97	5,214.50	23.47	223.159	
2,600.00	2,368.56	1,744.71	1,725.25	20.04	6.92	64.88	-4,331.65	3,597.32	5,222.32	5,197.40	24.92	209.552	
2,700.00	2,449.34	1,773.00	1,752.83	21.31	7.06	65.00	-4,331.88	3,603.58	5,207.56	5,181.31	26.25	198.367	
2,800.00	2,530.12	1,827.17	1,805.61	22.59	7.33	65.22	-4,332.82	3,615.77	5,193.82	5,166.10	27.71	187.413	
2,900.00	2,610.90	1,858.00	1,835.61	23.88	7.49	65.35	-4,333.80	3,622.79	5,181.48	5,152.40	29.07	178.227	
3,000.00	2,691.68	10,918.00	6,467.11	25.16	82.06	42.82	-17.18	4,551.62	5,094.56	5,030.10	64.47	79.028	
3,100.00	2,772.46	10,918.00	6,467.11	26.45	82.06	42.82	-17.18	4,551.62	4,995.54	4,930.78	64.76	77.141	
3,200.00	2,853.23	10,918.00	6,467.11	27.74	82.06	42.82	-17.18	4,551.62	4,896.55	4,831.48	65.06	75.257	
3,300.00	2,934.01	10,918.00	6,467.11	29.03	82.06	42.82	-17.18	4,551.62	4,797.60	4,732.22	65.38	73.376	
3,400.00	3,014.79	10,918.00	6,467.11	30.32	82.06	42.82	-17.18	4,551.62	4,698.70	4,632.98	65.72	71.500	
3,500.00	3,095.57	10,918.00	6,467.11	31.61	82.06	42.82	-17.18	4,551.62	4,599.84	4,533.78	66.06	69.629	
3,600.00	3,176.35	10,918.00	6,467.11	32.91	82.06	42.82	-17.18	4,551.62	4,501.04	4,434.61	66.42	67.762	
3,700.00	3,257.13	10,918.00	6,467.11	34.20	82.06	42.82	-17.18	4,551.62	4,402.28	4,335.48	66.80	65.901	
3,800.00	3,337.91	10,918.00	6,467.11	35.50	82.06	42.82	-17.18	4,551.62	4,303.59	4,236.40	67.20	64.046	
3,900.00	3,418.69	10,918.00	6,467.11	36.80	82.06	42.82	-17.18	4,551.62	4,204.96	4,137.35	67.61	62.197	
4,000.00	3,499.47	10,918.00	6,467.11	38.09	82.06	42.82	-17.18	4,551.62	4,106.39	4,038.36	68.04	60.355	
4,100.00	3,580.25	10,918.00	6,467.11	39.39	82.06	42.82	-17.18	4,551.62	4,007.90	3,939.41	68.49	58.520	
4,200.00	3,661.03	10,918.00	6,467.11	40.69	82.06	42.82	-17.18	4,551.62	3,909.48	3,840.52	68.96	56.692	
4,300.00	3,741.81	10,918.00	6,467.11	41.99	82.06	42.82	-17.18	4,551.62	3,811.15	3,741.69	69.45	54.872	
4,400.00	3,822.58	10,918.00	6,467.11	43.29	82.06	42.82	-17.18	4,551.62	3,712.90	3,642.93	69.97	53.061	
4,500.00	3,903.36	10,918.00	6,467.11	44.59	82.06	42.82	-17.18	4,551.62	3,614.75	3,544.23	70.52	51.259	
4,600.00	3,984.14	10,918.00	6,467.11	45.89	82.06	42.82	-17.18	4,551.62	3,516.70	3,445.61	71.09	49.466	
4,700.00	4,064.92	10,918.00	6,467.11	47.20	82.06	42.82	-17.18	4,551.62	3,418.77	3,347.07	71.70	47.682	
4,800.00	4,145.70	10,918.00	6,467.11	48.50	82.06	42.82	-17.18	4,551.62	3,320.96	3,248.62	72.34	45.910	
4,900.00	4,226.48	10,918.00	6,467.11	49.80	82.06	42.82	-17.18	4,551.62	3,223.28	3,150.27	73.01	44.148	
5,000.00	4,307.26	10,918.00	6,467.11	51.10	82.06	42.82	-17.18	4,551.62	3,125.76	3,052.03	73.72	42.398	
5,100.00	4,388.04	10,918.00	6,467.11	52.40	82.06	42.82	-17.18	4,551.62	3,028.39	2,953.91	74.48	40.660	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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
5,200.00	4,468.82	10,918.00	6,467.11	53.71	82.06	42.82	-17.18	4,551.62	2,931.20	2,855.92	75.28	38.936	
5,300.00	4,549.60	10,918.00	6,467.11	55.01	82.06	42.82	-17.18	4,551.62	2,834.20	2,758.07	76.14	37.225	
5,400.00	4,630.38	10,918.00	6,467.11	56.31	82.06	42.82	-17.18	4,551.62	2,737.43	2,660.38	77.05	35.529	
5,500.00	4,711.16	10,918.00	6,467.11	57.62	82.06	42.82	-17.18	4,551.62	2,640.89	2,562.87	78.02	33.850	
5,600.00	4,791.93	10,918.00	6,467.11	58.92	82.06	42.82	-17.18	4,551.62	2,544.62	2,465.56	79.06	32.187	
5,700.00	4,872.71	10,918.00	6,467.11	60.23	82.06	42.82	-17.18	4,551.62	2,448.65	2,368.47	80.17	30.542	
5,800.00	4,953.49	10,918.00	6,467.11	61.53	82.06	42.82	-17.18	4,551.62	2,353.01	2,271.64	81.37	28.917	
5,900.00	5,034.27	10,918.00	6,467.11	62.83	82.06	42.82	-17.18	4,551.62	2,257.75	2,175.09	82.66	27.314	
6,000.00	5,115.05	10,918.00	6,467.11	64.14	82.06	42.82	-17.18	4,551.62	2,162.92	2,078.87	84.05	25.732	
6,100.00	5,195.83	10,918.00	6,467.11	65.44	82.06	42.82	-17.18	4,551.62	2,068.58	1,983.02	85.56	24.176	
6,200.00	5,276.61	10,918.00	6,467.11	66.75	82.06	42.82	-17.18	4,551.62	1,974.79	1,887.59	87.20	22.647	
6,300.00	5,357.39	10,918.00	6,467.11	68.05	82.06	42.82	-17.18	4,551.62	1,881.65	1,792.67	88.98	21.147	
6,400.00	5,438.17	10,918.00	6,467.11	69.36	82.06	42.82	-17.18	4,551.62	1,789.24	1,698.32	90.92	19.679	
6,500.00	5,518.95	10,918.00	6,467.11	70.66	82.06	42.82	-17.18	4,551.62	1,697.70	1,604.65	93.05	18.246	
6,600.00	5,599.73	10,918.00	6,467.11	71.97	82.06	42.82	-17.18	4,551.62	1,607.16	1,511.79	95.37	16.852	
6,700.00	5,680.51	10,918.00	6,467.11	73.27	82.06	42.82	-17.18	4,551.62	1,517.81	1,419.89	97.92	15.501	
6,800.00	5,761.29	10,918.00	6,467.11	74.58	82.06	42.82	-17.18	4,551.62	1,429.87	1,329.16	100.72	14.197	
6,837.84	5,791.85	10,918.00	6,467.11	75.07	82.06	42.82	-17.18	4,551.62	1,397.02	1,295.18	101.84	13.717	
6,850.00	5,801.67	10,918.00	6,467.11	75.23	82.06	46.08	-17.18	4,551.62	1,386.56	1,284.34	102.22	13.564	
6,900.00	5,841.80	10,918.00	6,467.11	75.88	82.06	58.32	-17.18	4,551.62	1,344.81	1,240.87	103.94	12.938	
6,950.00	5,881.33	10,918.00	6,467.11	76.52	82.06	68.83	-17.18	4,551.62	1,305.51	1,199.58	105.93	12.324	
7,000.00	5,919.97	10,918.00	6,467.11	77.14	82.06	77.79	-17.18	4,551.62	1,269.18	1,161.01	108.17	11.733	
7,050.00	5,957.41	10,918.00	6,467.11	77.74	82.06	85.35	-17.18	4,551.62	1,236.38	1,125.75	110.64	11.175	
7,100.00	5,993.37	10,918.00	6,467.11	78.32	82.06	91.68	-17.18	4,551.62	1,207.66	1,094.38	113.28	10.661	
7,150.00	6,027.59	10,918.00	6,467.11	78.86	82.06	96.93	-17.18	4,551.62	1,183.54	1,067.49	116.05	10.199	
7,200.00	6,059.79	10,918.00	6,467.11	79.36	82.06	101.22	-17.18	4,551.62	1,164.49	1,045.62	118.87	9.797	
7,250.00	6,089.73	10,918.00	6,467.11	79.83	82.06	104.67	-17.18	4,551.62	1,150.91	1,029.26	121.65	9.461	
7,300.00	6,117.20	10,918.00	6,467.11	80.25	82.06	107.37	-17.18	4,551.62	1,143.11	1,018.78	124.33	9.194	
7,340.44	6,137.44	10,918.00	6,467.11	80.56	82.06	109.05	-17.18	4,551.62	1,141.15	1,014.80	126.35	9.032 CC	
7,350.00	6,141.96	10,918.00	6,467.11	80.63	82.06	109.39	-17.18	4,551.62	1,141.26	1,014.45	126.81	9.000 ES	
7,400.00	6,163.85	10,918.00	6,467.11	80.98	82.06	110.78	-17.18	4,551.62	1,145.40	1,016.36	129.03	8.877	
7,450.00	6,182.69	10,918.00	6,467.11	81.28	82.06	111.56	-17.18	4,551.62	1,155.43	1,024.47	130.96	8.823 SF	
7,500.00	6,198.33	10,918.00	6,467.11	81.54	82.06	111.75	-17.18	4,551.62	1,171.14	1,038.57	132.57	8.834	
7,550.00	6,210.67	10,918.00	6,467.11	81.77	82.06	111.32	-17.18	4,551.62	1,192.18	1,058.33	133.86	8.906	
7,600.00	6,219.60	10,918.00	6,467.11	81.96	82.06	110.23	-17.18	4,551.62	1,218.12	1,083.28	134.84	9.034	
7,650.00	6,225.05	10,918.00	6,467.11	82.11	82.06	108.39	-17.18	4,551.62	1,248.46	1,112.92	135.55	9.211	
7,702.53	6,227.00	10,918.00	6,467.11	82.24	82.06	105.52	-17.18	4,551.62	1,284.50	1,148.46	136.04	9.442	
7,800.00	6,227.00	10,918.00	6,467.11	82.45	82.06	105.52	-17.18	4,551.62	1,356.60	1,220.03	136.57	9.933	
7,900.00	6,227.00	10,918.00	6,467.11	82.68	82.06	105.52	-17.18	4,551.62	1,433.70	1,296.87	136.83	10.478	
8,000.00	6,227.00	10,918.00	6,467.11	82.93	82.06	105.52	-17.18	4,551.62	1,513.48	1,376.59	136.89	11.056	
8,100.00	6,227.00	10,918.00	6,467.11	83.20	82.06	105.52	-17.18	4,551.62	1,595.54	1,458.75	136.79	11.664	
8,200.00	6,227.00	10,918.00	6,467.11	83.49	82.06	105.52	-17.18	4,551.62	1,679.54	1,542.95	136.59	12.296	
8,300.00	6,227.00	10,918.00	6,467.11	83.80	82.06	105.52	-17.18	4,551.62	1,765.22	1,628.90	136.32	12.949	
8,400.00	6,227.00	10,918.00	6,467.11	84.12	82.06	105.52	-17.18	4,551.62	1,852.33	1,716.33	135.99	13.621	
8,500.00	6,227.00	10,918.00	6,467.11	84.47	82.06	105.52	-17.18	4,551.62	1,940.68	1,805.04	135.64	14.308	
8,600.00	6,227.00	10,918.00	6,467.11	84.83	82.06	105.52	-17.18	4,551.62	2,030.12	1,894.85	135.27	15.008	
8,700.00	6,227.00	10,918.00	6,467.11	85.22	82.06	105.52	-17.18	4,551.62	2,120.49	1,985.61	134.89	15.721	
8,800.00	6,227.00	10,918.00	6,467.11	85.62	82.06	105.52	-17.18	4,551.62	2,211.70	2,077.20	134.50	16.443	
8,900.00	6,227.00	10,918.00	6,467.11	86.05	82.06	105.52	-17.18	4,551.62	2,303.64	2,169.51	134.13	17.175	
9,000.00	6,227.00	10,918.00	6,467.11	86.51	82.06	105.52	-17.18	4,551.62	2,396.22	2,262.46	133.76	17.915	
9,100.00	6,227.00	10,918.00	6,467.11	86.98	82.06	105.52	-17.18	4,551.62	2,489.38	2,355.98	133.39	18.662	

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
9,200.00	6,227.00	10,918.00	6,467.11	87.49	82.06	105.52	-17.18	4,551.62	2,583.04	2,450.00	133.04	19.415		
9,300.00	6,227.00	10,918.00	6,467.11	88.01	82.06	105.52	-17.18	4,551.62	2,677.17	2,544.46	132.71	20.174		
9,400.00	6,227.00	10,918.00	6,467.11	88.56	82.06	105.52	-17.18	4,551.62	2,771.71	2,639.33	132.38	20.937		
9,500.00	6,227.00	10,918.00	6,467.11	89.14	82.06	105.52	-17.18	4,551.62	2,866.62	2,734.55	132.07	21.706		
9,600.00	6,227.00	10,918.00	6,467.11	89.75	82.06	105.52	-17.18	4,551.62	2,961.86	2,830.09	131.77	22.478		
9,700.00	6,227.00	10,918.00	6,467.11	90.38	82.06	105.52	-17.18	4,551.62	3,057.41	2,925.93	131.48	23.253		
9,800.00	6,227.00	10,918.00	6,467.11	91.04	82.06	105.52	-17.18	4,551.62	3,153.23	3,022.02	131.21	24.033		
9,900.00	6,227.00	10,918.00	6,467.11	91.73	82.06	105.52	-17.18	4,551.62	3,249.31	3,118.36	130.94	24.814		
10,000.00	6,227.00	10,918.00	6,467.11	92.44	82.06	105.52	-17.18	4,551.62	3,345.61	3,214.92	130.69	25.599		
10,100.00	6,227.00	10,918.00	6,467.11	93.19	82.06	105.52	-17.18	4,551.62	3,442.13	3,311.67	130.45	26.386		
10,200.00	6,227.00	10,918.00	6,467.11	93.96	82.06	105.52	-17.18	4,551.62	3,538.84	3,408.61	130.22	27.175		
10,300.00	6,227.00	10,918.00	6,467.11	94.76	82.06	105.52	-17.18	4,551.62	3,635.72	3,505.72	130.00	27.966		
10,400.00	6,227.00	10,918.00	6,467.11	95.59	82.06	105.52	-17.18	4,551.62	3,732.78	3,602.98	129.79	28.759		
10,500.00	6,227.00	10,918.00	6,467.11	96.45	82.06	105.52	-17.18	4,551.62	3,829.98	3,700.38	129.59	29.554		
10,600.00	6,227.00	10,918.00	6,467.11	97.34	82.06	105.52	-17.18	4,551.62	3,927.32	3,797.92	129.40	30.350		
10,700.00	6,227.00	10,918.00	6,467.11	98.26	82.06	105.52	-17.18	4,551.62	4,024.80	3,895.58	129.22	31.147		
10,800.00	6,227.00	10,918.00	6,467.11	99.20	82.06	105.52	-17.18	4,551.62	4,122.39	3,993.35	129.04	31.946		
10,900.00	6,227.00	10,918.00	6,467.11	100.18	82.06	105.52	-17.18	4,551.62	4,220.10	4,091.22	128.88	32.745		
11,000.00	6,227.00	10,918.00	6,467.11	101.18	82.06	105.52	-17.18	4,551.62	4,317.91	4,189.20	128.72	33.546		
11,100.00	6,227.00	10,918.00	6,467.11	102.20	82.06	105.52	-17.18	4,551.62	4,415.82	4,287.26	128.56	34.348		
11,200.00	6,227.00	10,918.00	6,467.11	103.26	82.06	105.52	-17.18	4,551.62	4,513.82	4,385.41	128.42	35.150		
11,300.00	6,227.00	10,918.00	6,467.11	104.33	82.06	105.52	-17.18	4,551.62	4,611.91	4,483.64	128.27	35.953		
11,400.00	6,227.00	10,918.00	6,467.11	105.44	82.06	105.52	-17.18	4,551.62	4,710.08	4,581.94	128.14	36.757		
11,500.00	6,227.00	10,918.00	6,467.11	106.57	82.06	105.52	-17.18	4,551.62	4,808.32	4,680.31	128.01	37.562		
11,600.00	6,227.00	10,918.00	6,467.11	107.72	82.06	105.52	-17.18	4,551.62	4,906.64	4,778.75	127.89	38.367		
11,700.00	6,227.00	10,918.00	6,467.11	108.89	82.06	105.52	-17.18	4,551.62	5,005.02	4,877.25	127.77	39.173		
11,800.00	6,227.00	10,918.00	6,467.11	110.09	82.06	105.52	-17.18	4,551.62	5,103.46	4,975.81	127.65	39.979		
11,900.00	6,227.00	10,918.00	6,467.11	111.31	82.06	105.52	-17.18	4,551.62	5,201.97	5,074.42	127.55	40.785		
12,000.00	6,227.00	10,918.00	6,467.11	112.54	82.06	105.52	-17.18	4,551.62	5,300.53	5,173.09	127.44	41.592		
12,100.00	6,227.00	10,918.00	6,467.11	113.80	82.06	105.52	-17.18	4,551.62	5,399.14	5,271.80	127.34	42.399		
12,200.00	6,227.00	10,918.00	6,467.11	115.08	82.06	105.52	-17.18	4,551.62	5,497.80	5,370.56	127.24	43.207		
12,300.00	6,227.00	10,918.00	6,467.11	116.37	82.06	105.52	-17.18	4,551.62	5,596.51	5,469.36	127.15	44.015		
12,400.00	6,227.00	10,918.00	6,467.11	117.69	82.06	105.52	-17.18	4,551.62	5,695.27	5,568.21	127.06	44.823		
12,500.00	6,227.00	10,918.00	6,467.11	119.02	82.06	105.52	-17.18	4,551.62	5,794.07	5,667.09	126.98	45.631		
12,600.00	6,227.00	10,918.00	6,467.11	120.36	82.06	105.52	-17.18	4,551.62	5,892.91	5,766.01	126.89	46.439		
12,700.00	6,227.00	10,918.00	6,467.11	121.72	82.06	105.52	-17.18	4,551.62	5,991.78	5,864.97	126.82	47.248		
12,800.00	6,227.00	10,918.00	6,467.11	123.10	82.06	105.52	-17.18	4,551.62	6,090.70	5,963.96	126.74	48.057		
12,900.00	6,227.00	10,918.00	6,467.11	124.49	82.06	105.52	-17.18	4,551.62	6,189.65	6,062.98	126.67	48.865		
13,000.00	6,227.00	10,918.00	6,467.11	125.89	82.06	105.52	-17.18	4,551.62	6,288.63	6,162.03	126.60	49.674		
13,100.00	6,227.00	10,918.00	6,467.11	127.31	82.06	105.52	-17.18	4,551.62	6,387.64	6,261.11	126.53	50.483		
13,200.00	6,227.00	10,918.00	6,467.11	128.74	82.06	105.52	-17.18	4,551.62	6,486.69	6,360.22	126.47	51.292		
13,300.00	6,227.00	10,918.00	6,467.11	130.18	82.06	105.52	-17.18	4,551.62	6,585.76	6,459.35	126.40	52.100		
13,400.00	6,227.00	10,918.00	6,467.11	131.63	82.06	105.52	-17.18	4,551.62	6,684.86	6,558.51	126.35	52.909		
13,500.00	6,227.00	10,918.00	6,467.11	133.09	82.06	105.52	-17.18	4,551.62	6,783.99	6,657.70	126.29	53.718		
13,600.00	6,227.00	10,918.00	6,467.11	134.57	82.06	105.52	-17.18	4,551.62	6,883.14	6,756.90	126.23	54.527		
13,700.00	6,227.00	10,918.00	6,467.11	136.05	82.06	105.52	-17.18	4,551.62	6,982.31	6,856.13	126.18	55.335		
13,800.00	6,227.00	10,918.00	6,467.11	137.54	82.06	105.52	-17.18	4,551.62	7,081.51	6,955.38	126.13	56.144		
13,900.00	6,227.00	10,918.00	6,467.11	139.05	82.06	105.52	-17.18	4,551.62	7,180.74	7,054.65	126.08	56.952		
14,000.00	6,227.00	10,918.00	6,467.11	140.56	82.06	105.52	-17.18	4,551.62	7,279.98	7,153.94	126.04	57.761		
14,100.00	6,227.00	10,918.00	6,467.11	142.07	82.06	105.52	-17.18	4,551.62	7,379.24	7,253.25	125.99	58.569		
14,200.00	6,227.00	10,918.00	6,467.11	143.60	82.06	105.52	-17.18	4,551.62	7,478.53	7,352.58	125.95	59.377		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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				
14,300.00	6,227.00	10,918.00	6,467.11	145.14	82.06	105.52	-17.18	4,551.62	7,577.83	7,451.92	125.91	60.185				
14,400.00	6,227.00	10,918.00	6,467.11	146.68	82.06	105.52	-17.18	4,551.62	7,677.15	7,551.28	125.87	60.992				
14,500.00	6,227.00	10,918.00	6,467.11	148.23	82.06	105.52	-17.18	4,551.62	7,776.48	7,650.65	125.83	61.800				
14,600.00	6,227.00	10,918.00	6,467.11	149.78	82.06	105.52	-17.18	4,551.62	7,875.84	7,750.04	125.80	62.607				
14,700.00	6,227.00	10,918.00	6,467.11	151.35	82.06	105.52	-17.18	4,551.62	7,975.21	7,849.45	125.76	63.414				
14,800.00	6,227.00	10,918.00	6,467.11	152.91	82.06	105.52	-17.18	4,551.62	8,074.60	7,948.86	125.73	64.221				
14,900.00	6,227.00	10,918.00	6,467.11	154.49	82.06	105.52	-17.18	4,551.62	8,174.00	8,048.30	125.70	65.028				
15,000.00	6,227.00	10,918.00	6,467.11	156.07	82.06	105.52	-17.18	4,551.62	8,273.41	8,147.74	125.67	65.834				
15,100.00	6,227.00	10,918.00	6,467.11	157.65	82.06	105.52	-17.18	4,551.62	8,372.84	8,247.20	125.64	66.640				
15,200.00	6,227.00	10,918.00	6,467.11	159.24	82.06	105.52	-17.18	4,551.62	8,472.28	8,346.67	125.62	67.446				
15,300.00	6,227.00	10,918.00	6,467.11	160.84	82.06	105.52	-17.18	4,551.62	8,571.74	8,446.15	125.59	68.252				
15,400.00	6,227.00	10,918.00	6,467.11	162.44	82.06	105.52	-17.18	4,551.62	8,671.21	8,545.64	125.57	69.057				
15,500.00	6,227.00	10,918.00	6,467.11	164.05	82.06	105.52	-17.18	4,551.62	8,770.69	8,645.15	125.54	69.862				
15,600.00	6,227.00	10,918.00	6,467.11	165.66	82.06	105.52	-17.18	4,551.62	8,870.18	8,744.66	125.52	70.667				
15,700.00	6,227.00	10,918.00	6,467.11	167.27	82.06	105.52	-17.18	4,551.62	8,969.68	8,844.18	125.50	71.472				
15,800.00	6,227.00	10,918.00	6,467.11	168.89	82.06	105.52	-17.18	4,551.62	9,069.20	8,943.72	125.48	72.276				
15,900.00	6,227.00	10,918.00	6,467.11	170.51	82.06	105.52	-17.18	4,551.62	9,168.72	9,043.26	125.46	73.080				
16,000.00	6,227.00	10,918.00	6,467.11	172.14	82.06	105.52	-17.18	4,551.62	9,268.26	9,142.81	125.44	73.883				
16,100.00	6,227.00	10,918.00	6,467.11	173.77	82.06	105.52	-17.18	4,551.62	9,367.80	9,242.37	125.43	74.686				
16,200.00	6,227.00	10,918.00	6,467.11	175.40	82.06	105.52	-17.18	4,551.62	9,467.36	9,341.94	125.41	75.489				
16,300.00	6,227.00	10,918.00	6,467.11	177.04	82.06	105.52	-17.18	4,551.62	9,566.92	9,441.52	125.40	76.292				
16,400.00	6,227.00	10,918.00	6,467.11	178.68	82.06	105.52	-17.18	4,551.62	9,666.49	9,541.11	125.39	77.094				
16,500.00	6,227.00	10,918.00	6,467.11	180.32	82.06	105.52	-17.18	4,551.62	9,766.07	9,640.70	125.37	77.896				
16,600.00	6,227.00	10,918.00	6,467.11	181.96	82.06	105.52	-17.18	4,551.62	9,865.66	9,740.30	125.36	78.697				
16,700.00	6,227.00	10,918.00	6,467.11	183.61	82.06	105.52	-17.18	4,551.62	9,965.26	9,839.91	125.35	79.498				
16,800.00	6,227.00	10,918.00	6,467.11	185.27	82.06	105.52	-17.18	4,551.62	10,064.87	9,939.53	125.34	80.299				

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
0.00	0.00	0.00	0.00	0.00	0.00	-0.88	5,125.46	-79.13	5,126.08				
100.00	100.00	112.11	112.11	0.27	0.23	-0.88	5,125.24	-78.42	5,125.88	5,125.38	0.50	N/A	
200.00	200.00	214.79	214.78	0.63	0.59	-0.87	5,124.85	-77.45	5,125.49	5,124.27	1.22	4,213.122	
300.00	299.98	318.80	318.78	0.98	0.95	-85.10	5,124.36	-77.13	5,124.86	5,122.93	1.93	2,657.027	
400.00	399.84	414.70	414.69	1.34	1.28	-85.17	5,123.91	-77.03	5,123.94	5,121.32	2.62	1,956.942	
500.00	499.45	507.26	507.25	1.71	1.61	-85.28	5,123.58	-76.93	5,122.85	5,119.54	3.31	1,547.014	
600.00	598.70	600.00	599.99	2.10	1.93	-85.43	5,123.41	-76.94	5,121.67	5,117.64	4.02	1,272.638	
700.00	697.47	688.66	688.65	2.51	2.24	-85.62	5,123.38	-77.08	5,120.40	5,115.66	4.75	1,078.584	
800.00	795.62	790.39	790.38	2.95	2.59	-85.86	5,123.39	-77.39	5,118.97	5,113.42	5.55	922.884	
900.00	893.06	886.54	886.53	3.44	2.93	-86.14	5,123.35	-77.67	5,117.33	5,110.97	6.36	804.106	
1,000.00	889.64	875.94	875.93	3.96	3.24	-86.44	5,123.39	-77.90	5,115.66	5,108.46	7.20	710.458	
1,100.00	1,085.27	1,064.78	1,064.77	4.54	3.55	-86.76	5,123.55	-78.33	5,114.05	5,105.97	8.08	632.679	
1,200.00	1,179.82	1,148.36	1,148.34	5.16	3.84	-87.10	5,123.83	-78.65	5,112.59	5,103.59	9.00	568.041	
1,300.00	1,273.17	1,230.76	1,230.74	5.85	4.13	-87.45	5,124.33	-78.63	5,111.41	5,101.44	9.97	512.632	
1,400.00	1,365.21	1,321.97	1,321.95	6.59	4.45	-87.87	5,125.00	-78.89	5,110.48	5,099.44	11.03	463.159	
1,500.00	1,455.84	1,418.89	1,418.87	7.40	4.78	-88.35	5,125.54	-78.84	5,109.57	5,097.39	12.18	419.424	
1,597.39	1,542.64	1,479.82	1,479.80	8.26	5.00	-88.66	5,126.07	-78.67	5,109.20	5,095.95	13.25	385.588	
1,600.00	1,544.94	1,481.44	1,481.41	8.28	5.00	-88.67	5,126.09	-78.66	5,109.20	5,095.92	13.28	384.760	
1,700.00	1,632.39	1,614.79	1,614.76	9.23	5.47	-89.39	5,127.13	-78.13	5,109.13	5,094.44	14.69	347.696	
1,795.97	1,714.69	1,703.03	1,703.00	10.21	5.77	-89.90	5,127.33	-77.45	5,108.95	5,092.97	15.98	319.633	
1,800.00	1,718.11	1,706.15	1,706.12	10.25	5.78	-89.92	5,127.34	-77.42	5,108.95	5,092.91	16.04	318.593	
1,900.00	1,801.97	1,789.01	1,788.97	11.35	6.07	-90.41	5,127.52	-76.50	5,109.27	5,091.85	17.42	293.250	
2,005.96	1,888.70	1,929.11	1,929.05	12.60	6.57	-91.28	5,127.03	-74.63	5,109.70	5,090.55	19.16	266.718	
2,100.00	1,964.66	2,000.00	1,999.93	13.75	6.81	-91.74	5,126.59	-73.35	5,110.52	5,089.96	20.56	248.622	
2,200.00	2,045.44	2,068.86	2,068.78	14.99	7.06	-92.18	5,126.33	-71.86	5,112.16	5,090.13	22.03	232.039	
2,300.00	2,126.22	2,139.65	2,139.54	16.24	7.31	-92.64	5,126.22	-70.21	5,114.61	5,091.09	23.52	217.439	
2,400.00	2,207.00	2,200.00	2,199.88	17.50	7.52	-93.02	5,126.24	-68.92	5,117.90	5,092.92	24.98	204.872	
2,500.00	2,287.78	2,275.09	2,274.96	18.77	7.78	-93.50	5,126.45	-67.47	5,122.04	5,095.54	26.49	193.328	
2,600.00	2,368.56	2,344.78	2,344.64	20.04	8.03	-93.95	5,126.84	-66.30	5,127.06	5,099.07	27.99	183.182	
2,700.00	2,449.34	2,418.59	2,418.44	21.31	8.28	-94.43	5,127.34	-65.37	5,132.89	5,103.39	29.50	174.010	
2,800.00	2,530.12	2,499.90	2,499.75	22.59	8.57	-94.95	5,127.89	-64.55	5,139.41	5,108.38	31.03	165.620	
2,900.00	2,610.90	2,581.90	2,581.74	23.88	8.85	-95.48	5,128.42	-63.84	5,146.58	5,114.01	32.57	158.039	
3,000.00	2,691.68	2,663.57	2,663.41	25.16	9.14	-96.01	5,128.93	-63.15	5,154.39	5,120.29	34.09	151.178	
3,100.00	2,772.46	2,753.38	2,753.21	26.45	9.45	-96.59	5,129.46	-62.31	5,162.80	5,127.15	35.65	144.819	
3,200.00	2,853.23	2,850.33	2,850.15	27.74	9.79	-97.21	5,129.77	-61.45	5,171.63	5,134.41	37.23	138.926	
3,300.00	2,934.01	2,942.54	2,942.36	29.03	10.11	-97.81	5,129.75	-60.78	5,180.88	5,142.10	38.78	133.598	
3,400.00	3,014.79	3,022.53	3,022.35	30.32	10.39	-98.32	5,129.65	-60.13	5,190.67	5,150.38	40.28	128.850	
3,500.00	3,095.57	3,088.76	3,088.58	31.61	10.62	-98.74	5,129.67	-59.74	5,201.26	5,159.52	41.73	124.628	
3,600.00	3,176.35	3,153.29	3,153.11	32.91	10.85	-99.16	5,129.78	-59.69	5,212.73	5,169.55	43.17	120.748	
3,700.00	3,257.13	3,218.46	3,218.27	34.20	11.08	-99.58	5,129.95	-60.18	5,225.09	5,180.49	44.60	117.154	
3,800.00	3,337.91	3,287.92	3,287.74	35.50	11.32	-100.03	5,130.25	-60.87	5,238.30	5,192.26	46.04	113.783	
3,900.00	3,418.69	3,375.71	3,375.52	36.80	11.63	-100.60	5,130.65	-61.84	5,252.20	5,204.67	47.53	110.494	
4,000.00	3,499.47	3,451.89	3,451.70	38.09	11.89	-101.09	5,130.91	-62.68	5,266.67	5,217.69	48.98	107.530	
4,100.00	3,580.25	3,521.65	3,521.45	39.39	12.13	-101.54	5,131.45	-62.96	5,281.90	5,231.51	50.39	104.817	
4,200.00	3,661.03	3,588.03	3,587.83	40.69	12.37	-101.96	5,132.11	-63.31	5,297.94	5,246.16	51.78	102.311	
4,300.00	3,741.81	3,660.50	3,660.29	41.99	12.62	-102.42	5,132.90	-63.96	5,314.78	5,261.59	53.19	99.927	
4,400.00	3,822.58	3,733.00	3,732.78	43.29	12.87	-102.88	5,133.66	-64.93	5,332.33	5,277.75	54.58	97.697	
4,500.00	3,903.36	3,805.36	3,805.11	44.59	13.13	-103.35	5,134.23	-66.65	5,350.64	5,294.68	55.96	95.612	
4,600.00	3,984.14	3,932.78	3,932.45	45.89	13.58	-104.18	5,134.18	-71.13	5,369.37	5,311.82	57.54	93.313	
4,700.00	4,064.92	4,072.80	4,072.42	47.20	14.07	-105.08	5,132.80	-74.76	5,387.63	5,328.48	59.15	91.080	
4,800.00	4,145.70	4,131.17	4,130.77	48.50	14.27	-105.45	5,132.10	-76.02	5,406.34	5,345.88	60.45	89.430	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	4,226.48	4,173.48	4,173.06	49.80	14.42	-105.71	5,131.88	-76.98	5,426.17	5,364.49	61.68	87.971	
5,000.00	4,307.26	4,263.69	4,263.26	51.10	14.74	-106.28	5,132.05	-78.73	5,447.02	5,383.94	63.08	86.354	
5,100.00	4,388.04	4,370.41	4,369.97	52.40	15.11	-106.92	5,132.46	-78.74	5,467.85	5,403.32	64.53	84.734	
5,200.00	4,468.82	4,488.25	4,487.80	53.71	15.52	-107.62	5,133.19	-77.09	5,488.93	5,422.91	66.02	83.145	
5,300.00	4,549.60	4,576.44	4,575.98	55.01	15.83	-108.13	5,133.39	-75.61	5,510.12	5,442.74	67.38	81.776	
5,400.00	4,630.38	4,685.31	4,684.83	56.31	16.21	-108.76	5,133.50	-73.51	5,531.67	5,462.85	68.81	80.387	
5,500.00	4,711.16	4,821.80	4,821.25	57.62	16.69	-109.54	5,132.98	-69.31	5,552.80	5,482.46	70.34	78.942	
5,600.00	4,791.93	4,868.33	4,867.76	58.92	16.85	-109.80	5,132.76	-67.98	5,574.54	5,503.02	71.52	77.942	
5,700.00	4,872.71	4,900.00	4,899.43	60.23	16.96	-109.98	5,132.67	-67.32	5,597.35	5,524.72	72.63	77.066	
5,800.00	4,953.49	4,959.06	4,958.48	61.53	17.17	-110.32	5,132.70	-66.52	5,621.11	5,547.29	73.83	76.138	
5,900.00	5,034.27	5,000.00	4,999.42	62.83	17.31	-110.55	5,132.88	-66.28	5,645.94	5,571.00	74.94	75.339	
6,000.00	5,115.05	5,059.61	5,059.02	64.14	17.52	-110.89	5,133.34	-66.23	5,671.70	5,595.59	76.11	74.517	
6,100.00	5,195.83	5,128.61	5,128.03	65.44	17.76	-111.29	5,134.04	-66.50	5,698.29	5,620.98	77.31	73.709	
6,200.00	5,276.61	5,228.94	5,228.35	66.75	18.11	-111.87	5,134.57	-67.28	5,725.20	5,646.59	78.62	72.824	
6,300.00	5,357.39	5,311.48	5,310.89	68.05	18.40	-112.33	5,135.05	-67.57	5,752.47	5,672.62	79.84	72.046	
6,400.00	5,438.17	5,378.20	5,377.60	69.36	18.63	-112.71	5,135.55	-67.80	5,780.31	5,699.32	81.00	71.364	
6,500.00	5,518.95	5,456.90	5,456.30	70.66	18.91	-113.15	5,136.18	-68.23	5,808.76	5,726.58	82.19	70.678	
6,600.00	5,599.73	5,539.53	5,538.92	71.97	19.20	-113.61	5,136.94	-68.49	5,837.64	5,754.26	83.38	70.010	
6,700.00	5,680.51	5,623.52	5,622.91	73.27	19.49	-114.07	5,137.78	-68.62	5,866.96	5,782.39	84.57	69.371	
6,800.00	5,761.29	5,714.22	5,713.61	74.58	19.81	-114.57	5,138.25	-69.14	5,896.60	5,810.82	85.78	68.741	
6,837.84	5,791.85	5,742.84	5,742.23	75.07	19.91	-114.72	5,138.33	-69.37	5,907.92	5,821.71	86.21	68.530	
6,850.00	5,801.67	5,752.04	5,751.42	75.23	19.94	-112.94	5,138.37	-69.44	5,911.46	5,825.12	86.35	68.461	
6,900.00	5,841.80	5,789.65	5,789.04	75.88	20.07	-105.90	5,138.51	-69.72	5,923.85	5,836.92	86.93	68.146	
6,950.00	5,881.33	5,829.97	5,829.35	76.52	20.21	-99.51	5,138.68	-70.01	5,932.65	5,845.11	87.54	67.772	
7,000.00	5,919.97	5,870.60	5,869.98	77.14	20.35	-93.87	5,138.84	-70.30	5,937.81	5,849.65	88.16	67.353	
7,050.00	5,957.41	5,915.25	5,914.63	77.74	20.51	-89.07	5,138.99	-70.62	5,939.32	5,850.52	88.80	66.883	
7,100.00	5,993.37	5,972.79	5,972.17	78.32	20.71	-85.18	5,138.97	-71.05	5,937.12	5,847.63	89.49	66.343	
7,150.00	6,027.59	6,022.73	6,022.11	78.86	20.88	-82.05	5,138.73	-71.43	5,931.22	5,841.09	90.14	65.801	
7,200.00	6,059.79	6,065.63	6,065.00	79.36	21.03	-79.62	5,138.50	-71.65	5,921.77	5,831.02	90.74	65.258	
7,250.00	6,089.73	6,105.64	6,105.02	79.83	21.17	-77.89	5,138.28	-71.74	5,908.85	5,817.53	91.32	64.707	
7,300.00	6,117.20	6,128.69	6,128.07	80.25	21.25	-76.70	5,138.16	-71.78	5,892.64	5,800.84	91.80	64.190	
7,350.00	6,141.96	6,151.08	6,150.45	80.63	21.33	-76.14	5,138.04	-71.83	5,873.28	5,781.02	92.25	63.665	
7,400.00	6,163.85	6,170.81	6,170.18	80.98	21.40	-76.18	5,137.93	-71.88	5,850.92	5,758.25	92.67	63.140	
7,450.00	6,182.69	6,187.74	6,187.12	81.28	21.46	-76.82	5,137.84	-71.93	5,825.73	5,732.69	93.04	62.617	
7,500.00	6,198.33	6,200.00	6,199.37	81.54	21.50	-78.06	5,137.78	-71.98	5,797.90	5,704.54	93.36	62.102	
7,550.00	6,210.67	6,200.00	6,199.37	81.77	21.50	-79.81	5,137.78	-71.98	5,767.63	5,674.03	93.60	61.618	
7,600.00	6,219.60	6,217.57	6,216.94	81.96	21.56	-82.49	5,137.69	-72.05	5,735.11	5,641.22	93.89	61.083	
7,650.00	6,225.05	6,221.60	6,220.97	82.11	21.57	-85.76	5,137.67	-72.07	5,700.58	5,606.49	94.10	60.583	
7,702.53	6,227.00	6,222.90	6,222.27	82.24	21.58	-90.03	5,137.66	-72.07	5,662.41	5,568.14	94.27	60.065	
7,800.00	6,227.00	6,222.52	6,221.90	82.45	21.58	-90.03	5,137.66	-72.07	5,590.31	5,495.74	94.57	59.113	
7,900.00	6,227.00	6,222.13	6,221.51	82.68	21.57	-90.02	5,137.66	-72.07	5,517.16	5,422.27	94.89	58.144	
8,000.00	6,227.00	6,221.74	6,221.12	82.93	21.57	-90.02	5,137.66	-72.07	5,444.85	5,349.63	95.22	57.183	
8,100.00	6,227.00	6,221.35	6,220.73	83.20	21.57	-90.01	5,137.67	-72.07	5,373.44	5,277.88	95.56	56.229	
8,200.00	6,227.00	6,220.96	6,220.33	83.49	21.57	-90.01	5,137.67	-72.06	5,302.95	5,207.03	95.92	55.284	
8,300.00	6,227.00	6,220.57	6,219.94	83.80	21.57	-90.00	5,137.67	-72.06	5,233.42	5,137.12	96.29	54.348	
8,400.00	6,227.00	6,220.17	6,219.55	84.12	21.57	-89.99	5,137.67	-72.06	5,164.89	5,068.21	96.68	53.422	
8,500.00	6,227.00	6,219.78	6,219.15	84.47	21.57	-89.99	5,137.67	-72.06	5,097.40	5,000.32	97.08	52.505	
8,600.00	6,227.00	6,219.38	6,218.76	84.83	21.57	-89.98	5,137.68	-72.06	5,030.99	4,933.49	97.50	51.600	
8,700.00	6,227.00	6,218.99	6,218.36	85.22	21.56	-89.98	5,137.68	-72.05	4,965.71	4,867.78	97.93	50.706	
8,800.00	6,227.00	6,218.59	6,217.97	85.62	21.56	-89.97	5,137.68	-72.05	4,901.60	4,803.23	98.38	49.824	
8,900.00	6,227.00	6,218.19	6,217.57	86.05	21.56	-89.96	5,137.68	-72.05	4,838.71	4,739.87	98.84	48.955	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	6,217.80	6,217.17	86.51	21.56	-89.96	5,137.68	-72.05	4,777.09	4,677.77	99.32	48.099		
9,100.00	6,227.00	6,217.40	6,216.77	86.98	21.56	-89.95	5,137.69	-72.05	4,716.77	4,616.97	99.81	47.258		
9,200.00	6,227.00	6,217.00	6,216.37	87.49	21.56	-89.95	5,137.69	-72.05	4,657.83	4,557.51	100.32	46.432		
9,300.00	6,227.00	6,216.59	6,215.97	88.01	21.56	-89.94	5,137.69	-72.04	4,600.30	4,499.47	100.84	45.622		
9,400.00	6,227.00	6,216.19	6,215.57	88.56	21.55	-89.93	5,137.69	-72.04	4,544.25	4,442.88	101.37	44.828		
9,500.00	6,227.00	6,215.79	6,215.16	89.14	21.55	-89.93	5,137.69	-72.04	4,489.72	4,387.80	101.92	44.052		
9,600.00	6,227.00	6,215.38	6,214.76	89.75	21.55	-89.92	5,137.70	-72.04	4,436.78	4,334.30	102.48	43.295		
9,700.00	6,227.00	6,214.98	6,214.35	90.38	21.55	-89.91	5,137.70	-72.04	4,385.48	4,282.43	103.05	42.557		
9,800.00	6,227.00	6,214.57	6,213.95	91.04	21.55	-89.91	5,137.70	-72.03	4,335.88	4,232.24	103.63	41.839		
9,900.00	6,227.00	6,214.17	6,213.54	91.73	21.55	-89.90	5,137.70	-72.03	4,288.03	4,183.81	104.23	41.142		
10,000.00	6,227.00	6,213.76	6,213.13	92.44	21.55	-89.90	5,137.71	-72.03	4,242.01	4,137.18	104.83	40.467		
10,100.00	6,227.00	6,213.35	6,212.72	93.19	21.54	-89.89	5,137.71	-72.03	4,197.86	4,092.43	105.44	39.815		
10,200.00	6,227.00	6,212.94	6,212.32	93.96	21.54	-89.88	5,137.71	-72.03	4,155.65	4,049.60	106.05	39.186		
10,300.00	6,227.00	6,212.53	6,211.90	94.76	21.54	-89.88	5,137.71	-72.03	4,115.44	4,008.77	106.67	38.582		
10,400.00	6,227.00	6,212.12	6,211.49	95.59	21.54	-89.87	5,137.71	-72.02	4,077.29	3,970.00	107.29	38.003		
10,500.00	6,227.00	6,211.71	6,211.08	96.45	21.54	-89.87	5,137.72	-72.02	4,041.24	3,933.33	107.91	37.450		
10,600.00	6,227.00	6,211.29	6,210.67	97.34	21.54	-89.86	5,137.72	-72.02	4,007.38	3,898.85	108.53	36.924		
10,700.00	6,227.00	6,210.88	6,210.25	98.26	21.54	-89.85	5,137.72	-72.02	3,975.73	3,866.59	109.15	36.426		
10,800.00	6,227.00	6,210.46	6,209.84	99.20	21.53	-89.85	5,137.72	-72.02	3,946.37	3,836.62	109.76	35.956		
10,900.00	6,227.00	6,210.05	6,209.42	100.18	21.53	-89.84	5,137.72	-72.01	3,919.35	3,808.99	110.36	35.515		
11,000.00	6,227.00	6,200.00	6,199.37	101.18	21.50	-89.69	5,137.78	-71.98	3,894.71	3,783.83	110.88	35.124		
11,100.00	6,227.00	6,200.00	6,199.37	102.20	21.50	-89.69	5,137.78	-71.98	3,872.49	3,761.03	111.46	34.742		
11,200.00	6,227.00	6,200.00	6,199.37	103.26	21.50	-89.69	5,137.78	-71.98	3,852.74	3,740.71	112.03	34.390		
11,300.00	6,227.00	6,200.00	6,199.37	104.33	21.50	-89.69	5,137.78	-71.98	3,835.49	3,722.91	112.58	34.070		
11,400.00	6,227.00	6,200.00	6,199.37	105.44	21.50	-89.69	5,137.78	-71.98	3,820.78	3,707.67	113.11	33.781		
11,500.00	6,227.00	6,200.00	6,199.37	106.57	21.50	-89.69	5,137.78	-71.98	3,808.64	3,695.03	113.61	33.523		
11,600.00	6,227.00	6,200.00	6,199.37	107.72	21.50	-89.69	5,137.78	-71.98	3,799.10	3,685.00	114.09	33.298		
11,700.00	6,227.00	6,200.00	6,199.37	108.89	21.50	-89.69	5,137.78	-71.98	3,792.17	3,677.62	114.55	33.105		
11,800.00	6,227.00	6,200.00	6,199.37	110.09	21.50	-89.69	5,137.78	-71.98	3,787.87	3,672.89	114.98	32.944		
11,900.00	6,227.00	6,200.00	6,199.37	111.31	21.50	-89.69	5,137.78	-71.98	3,786.20	3,670.82	115.38	32.815		
11,913.04	6,227.00	6,200.00	6,199.37	111.47	21.50	-89.69	5,137.78	-71.98	3,786.18	3,670.75	115.43	32.801 CC, ES		
12,000.00	6,227.00	6,200.00	6,199.37	112.54	21.50	-89.69	5,137.78	-71.98	3,787.18	3,671.43	115.75	32.719		
12,100.00	6,227.00	6,200.00	6,199.37	113.80	21.50	-89.69	5,137.78	-71.98	3,790.79	3,674.70	116.09	32.655		
12,200.00	6,227.00	6,200.00	6,199.37	115.08	21.50	-89.69	5,137.78	-71.98	3,797.04	3,680.64	116.39	32.623		
12,300.00	6,227.00	6,200.00	6,199.37	116.37	21.50	-89.69	5,137.78	-71.98	3,805.90	3,689.24	116.67	32.622 SF		
12,400.00	6,227.00	6,200.00	6,199.37	117.69	21.50	-89.69	5,137.78	-71.98	3,817.37	3,700.46	116.90	32.654		
12,500.00	6,227.00	6,200.00	6,199.37	119.02	21.50	-89.69	5,137.78	-71.98	3,831.41	3,714.29	117.11	32.716		
12,600.00	6,227.00	6,200.00	6,199.37	120.36	21.50	-89.69	5,137.78	-71.98	3,847.99	3,730.71	117.28	32.809		
12,700.00	6,227.00	6,200.00	6,199.37	121.72	21.50	-89.69	5,137.78	-71.98	3,867.10	3,749.68	117.42	32.933		
12,800.00	6,227.00	6,200.00	6,199.37	123.10	21.50	-89.69	5,137.78	-71.98	3,888.68	3,771.15	117.53	33.086		
12,900.00	6,227.00	6,200.00	6,199.37	124.49	21.50	-89.69	5,137.78	-71.98	3,912.70	3,795.09	117.61	33.269		
13,000.00	6,227.00	6,200.00	6,199.37	125.89	21.50	-89.69	5,137.78	-71.98	3,939.12	3,821.46	117.65	33.480		
13,100.00	6,227.00	6,200.00	6,199.37	127.31	21.50	-89.69	5,137.78	-71.98	3,967.87	3,850.20	117.67	33.720		
13,200.00	6,227.00	6,200.00	6,199.37	128.74	21.50	-89.69	5,137.78	-71.98	3,998.93	3,881.27	117.66	33.987		
13,300.00	6,227.00	6,200.00	6,199.37	130.18	21.50	-89.69	5,137.78	-71.98	4,032.22	3,914.60	117.62	34.281		
13,400.00	6,227.00	6,200.00	6,199.37	131.63	21.50	-89.69	5,137.78	-71.98	4,067.70	3,950.14	117.56	34.602		
13,500.00	6,227.00	6,200.00	6,199.37	133.09	21.50	-89.69	5,137.78	-71.98	4,105.31	3,987.84	117.47	34.947		
13,600.00	6,227.00	6,200.00	6,199.37	134.57	21.50	-89.69	5,137.78	-71.98	4,145.00	4,027.63	117.36	35.318		
13,700.00	6,227.00	6,200.00	6,199.37	136.05	21.50	-89.69	5,137.78	-71.98	4,186.69	4,069.46	117.23	35.713		
13,800.00	6,227.00	6,200.00	6,199.37	137.54	21.50	-89.69	5,137.78	-71.98	4,230.34	4,113.25	117.08	36.131		
13,900.00	6,227.00	6,200.00	6,199.37	139.05	21.50	-89.69	5,137.78	-71.98	4,275.88	4,158.96	116.92	36.571		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 36-T5N-R63W - SI VERT 70 RANCH USX BB 25-04 (GYRO) - OWB - GYRO SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-GYRO-MWD												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,000.00	6,227.00	6,200.00	6,199.37	140.56	21.50	-89.69	5,137.78	-71.98	4,323.26	4,206.52	116.74	37.034	
14,100.00	6,227.00	6,195.82	6,195.20	142.07	21.48	-89.62	5,137.80	-71.96	4,372.40	4,255.89	116.51	37.528	
14,200.00	6,227.00	6,195.33	6,194.71	143.60	21.48	-89.62	5,137.80	-71.96	4,423.27	4,306.97	116.30	38.034	
14,300.00	6,227.00	6,194.84	6,194.22	145.14	21.48	-89.61	5,137.80	-71.96	4,475.79	4,359.72	116.07	38.559	
14,400.00	6,227.00	6,194.35	6,193.73	146.68	21.48	-89.60	5,137.81	-71.96	4,529.91	4,414.07	115.84	39.104	
14,500.00	6,227.00	6,193.86	6,193.23	148.23	21.48	-89.59	5,137.81	-71.95	4,585.57	4,469.97	115.60	39.667	
14,600.00	6,227.00	6,193.37	6,192.74	149.78	21.47	-89.59	5,137.81	-71.95	4,642.72	4,527.37	115.35	40.248	
14,700.00	6,227.00	6,192.88	6,192.25	151.35	21.47	-89.58	5,137.81	-71.95	4,701.30	4,586.21	115.10	40.847	
14,800.00	6,227.00	6,192.39	6,191.76	152.91	21.47	-89.57	5,137.82	-71.95	4,761.26	4,646.43	114.84	41.461	
14,900.00	6,227.00	6,191.89	6,191.27	154.49	21.47	-89.57	5,137.82	-71.95	4,822.55	4,707.98	114.57	42.092	
15,000.00	6,227.00	6,191.40	6,190.78	156.07	21.47	-89.56	5,137.82	-71.95	4,885.12	4,770.81	114.30	42.738	
15,100.00	6,227.00	6,190.91	6,190.29	157.65	21.47	-89.55	5,137.82	-71.94	4,948.92	4,834.88	114.04	43.398	
15,200.00	6,227.00	6,190.42	6,189.79	159.24	21.46	-89.54	5,137.83	-71.94	5,013.90	4,900.13	113.76	44.073	
15,300.00	6,227.00	6,189.93	6,189.30	160.84	21.46	-89.54	5,137.83	-71.94	5,080.01	4,966.52	113.49	44.761	
15,400.00	6,227.00	6,189.43	6,188.81	162.44	21.46	-89.53	5,137.83	-71.94	5,147.22	5,034.00	113.22	45.462	
15,500.00	6,227.00	6,188.94	6,188.32	164.05	21.46	-89.52	5,137.84	-71.94	5,215.49	5,102.54	112.95	46.175	
15,600.00	6,227.00	6,188.45	6,187.82	165.66	21.46	-89.51	5,137.84	-71.94	5,284.76	5,172.08	112.68	46.901	
15,700.00	6,227.00	6,187.96	6,187.33	167.27	21.46	-89.51	5,137.84	-71.93	5,355.00	5,242.59	112.41	47.638	
15,800.00	6,227.00	6,187.46	6,186.84	168.89	21.45	-89.50	5,137.84	-71.93	5,426.18	5,314.04	112.14	48.385	
15,900.00	6,227.00	6,186.97	6,186.35	170.51	21.45	-89.49	5,137.85	-71.93	5,498.26	5,386.37	111.88	49.144	
16,000.00	6,227.00	6,186.48	6,185.85	172.14	21.45	-89.48	5,137.85	-71.93	5,571.19	5,459.57	111.62	49.912	
16,100.00	6,227.00	6,185.98	6,185.36	173.77	21.45	-89.48	5,137.85	-71.93	5,644.96	5,533.60	111.36	50.690	
16,200.00	6,227.00	6,185.49	6,184.87	175.40	21.45	-89.47	5,137.85	-71.93	5,719.52	5,608.42	111.11	51.478	
16,300.00	6,227.00	6,185.00	6,184.37	177.04	21.45	-89.46	5,137.86	-71.92	5,794.85	5,684.00	110.86	52.274	
16,400.00	6,227.00	6,184.50	6,183.88	178.68	21.44	-89.45	5,137.86	-71.92	5,870.92	5,760.31	110.61	53.079	
16,500.00	6,227.00	6,184.01	6,183.38	180.32	21.44	-89.45	5,137.86	-71.92	5,947.70	5,837.33	110.36	53.892	
16,600.00	6,227.00	6,183.52	6,182.89	181.96	21.44	-89.44	5,137.86	-71.92	6,025.15	5,915.03	110.12	54.712	
16,700.00	6,227.00	6,183.02	6,182.40	183.61	21.44	-89.43	5,137.87	-71.92	6,103.26	5,993.37	109.89	55.540	
16,800.00	6,227.00	6,182.53	6,181.90	185.27	21.44	-89.42	5,137.87	-71.92	6,182.01	6,072.35	109.66	56.375	
16,900.00	6,227.00	6,182.03	6,181.41	186.92	21.44	-89.42	5,137.87	-71.91	6,261.36	6,151.92	109.43	57.217	
17,000.00	6,227.00	6,181.54	6,180.91	188.58	21.43	-89.41	5,137.87	-71.91	6,341.29	6,232.08	109.21	58.065	
17,100.00	6,227.00	6,181.04	6,180.42	190.24	21.43	-89.40	5,137.88	-71.91	6,421.78	6,312.79	108.99	58.920	
17,200.00	6,227.00	6,180.55	6,179.92	191.90	21.43	-89.39	5,137.88	-71.91	6,502.82	6,394.04	108.78	59.780	
17,300.00	6,227.00	6,180.05	6,179.43	193.57	21.43	-89.39	5,137.88	-71.91	6,584.38	6,475.81	108.57	60.646	
17,348.07	6,227.00	6,179.81	6,179.19	194.37	21.43	-89.38	5,137.88	-71.91	6,623.76	6,515.29	108.47	61.065	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-01 - OWB - PROPOSAL 1												Offset Well Error:	0.00 usft
Survey Program: 0-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	0.00	0.00	0.00	0.00	-77.66	26.22	-119.83	122.67				
100.00	100.00	100.00	100.00	0.27	0.27	-77.66	26.22	-119.83	122.67	122.13	0.54	228.128	
200.00	200.00	200.00	200.00	0.63	0.63	-77.66	26.22	-119.83	122.67	121.41	1.25	97.769 CC, ES	
300.00	299.98	299.98	299.98	0.98	0.99	-162.10	26.22	-119.83	124.33	122.36	1.97	63.236	
400.00	399.84	399.84	399.84	1.34	1.34	-162.79	26.22	-119.83	129.32	126.64	2.68	48.243	
500.00	499.45	499.45	499.45	1.71	1.70	-163.81	26.22	-119.83	137.67	134.27	3.40	40.495	
600.00	598.70	598.70	598.70	2.10	2.06	-165.05	26.22	-119.83	149.41	145.29	4.12	36.252	
700.00	697.47	697.47	697.47	2.51	2.41	-166.39	26.22	-119.83	164.58	159.74	4.85	33.969	
800.00	795.62	795.62	795.62	2.95	2.76	-167.71	26.22	-119.83	183.20	177.63	5.57	32.889	
900.00	893.06	891.53	891.51	3.44	3.11	-168.53	27.66	-120.04	205.60	199.30	6.29	32.681	
1,000.00	989.64	986.50	986.37	3.96	3.45	-168.54	32.19	-120.70	232.08	225.07	7.01	33.097	
1,100.00	1,085.27	1,081.87	1,081.57	4.54	3.79	-168.40	37.91	-121.53	262.13	254.39	7.74	33.858	
1,200.00	1,179.82	1,176.16	1,175.68	5.16	4.13	-168.40	43.56	-122.35	295.42	286.95	8.47	34.860	
1,300.00	1,273.17	1,269.25	1,268.60	5.85	4.47	-168.47	49.14	-123.16	331.92	322.71	9.21	36.044	
1,400.00	1,365.21	1,361.02	1,360.21	6.59	4.80	-168.61	54.63	-123.96	371.59	361.64	9.94	37.368	
1,500.00	1,455.84	1,451.37	1,450.39	7.40	5.13	-168.77	60.05	-124.75	414.38	403.70	10.68	38.802	
1,600.00	1,544.94	1,540.19	1,539.04	8.28	5.45	-168.95	65.37	-125.52	460.26	448.84	11.41	40.325	
1,700.00	1,632.39	1,627.36	1,626.05	9.23	5.77	-169.12	70.59	-126.28	509.16	497.02	12.15	41.921	
1,800.00	1,718.11	1,712.78	1,711.31	10.25	6.09	-169.29	75.71	-127.02	561.05	548.18	12.87	43.578	
1,900.00	1,801.97	1,796.34	1,794.73	11.35	6.39	-169.45	80.72	-127.75	615.86	602.26	13.60	45.288	
2,005.96	1,888.70	1,882.75	1,880.98	12.60	6.71	-169.60	85.89	-128.50	677.05	662.69	14.36	47.150	
2,100.00	1,964.66	1,958.43	1,956.52	13.75	6.99	-169.95	90.43	-129.16	732.76	717.73	15.03	48.757	
2,200.00	2,045.44	2,038.91	2,036.85	14.99	7.28	-170.26	95.25	-129.86	792.03	776.29	15.74	50.322	
2,300.00	2,126.22	2,119.39	2,117.18	16.24	7.58	-170.53	100.07	-130.57	851.30	834.85	16.45	51.739	
2,400.00	2,207.00	2,199.86	2,197.51	17.50	7.88	-170.77	104.89	-131.27	910.59	893.42	17.17	53.027	
2,500.00	2,287.78	2,280.34	2,277.84	18.77	8.17	-170.98	109.71	-131.97	969.89	951.99	17.89	54.203	
2,600.00	2,368.56	2,360.82	2,358.17	20.04	8.47	-171.16	114.54	-132.67	1,029.19	1,010.57	18.62	55.279	
2,700.00	2,449.34	2,441.30	2,438.50	21.31	8.76	-171.32	119.36	-133.37	1,088.50	1,069.15	19.35	56.267	
2,800.00	2,530.12	2,521.77	2,518.83	22.59	9.06	-171.47	124.18	-134.07	1,147.81	1,127.74	20.07	57.177	
2,900.00	2,610.90	2,602.25	2,599.16	23.88	9.36	-171.60	129.00	-134.77	1,207.13	1,186.33	20.81	58.018	
3,000.00	2,691.68	2,682.73	2,679.49	25.16	9.65	-171.72	133.82	-135.47	1,266.45	1,244.91	21.54	58.798	
3,100.00	2,772.46	2,763.20	2,759.81	26.45	9.95	-171.83	138.64	-136.17	1,325.78	1,303.51	22.27	59.521	
3,200.00	2,853.23	2,843.68	2,840.14	27.74	10.25	-171.93	143.47	-136.87	1,385.11	1,362.10	23.01	60.195	
3,300.00	2,934.01	2,924.16	2,920.47	29.03	10.54	-172.02	148.29	-137.57	1,444.44	1,420.69	23.75	60.823	
3,400.00	3,014.79	3,004.63	3,000.80	30.32	10.84	-172.10	153.11	-138.27	1,503.77	1,479.28	24.49	61.410	
3,500.00	3,095.57	3,085.11	3,081.13	31.61	11.14	-172.18	157.93	-138.98	1,563.11	1,537.88	25.23	61.960	
3,600.00	3,176.35	3,165.59	3,161.46	32.91	11.44	-172.25	162.75	-139.68	1,622.44	1,596.48	25.97	62.477	
3,700.00	3,257.13	3,246.07	3,241.79	34.20	11.73	-172.32	167.58	-140.38	1,681.78	1,655.07	26.71	62.962	
3,800.00	3,337.91	3,326.54	3,322.12	35.50	12.03	-172.38	172.40	-141.08	1,741.12	1,713.67	27.45	63.419	
3,900.00	3,418.69	3,407.02	3,402.45	36.80	12.33	-172.44	177.22	-141.78	1,800.46	1,772.27	28.20	63.850	
4,000.00	3,499.47	3,487.50	3,482.78	38.09	12.62	-172.50	182.04	-142.48	1,859.81	1,830.86	28.94	64.257	
4,100.00	3,580.25	3,567.97	3,563.11	39.39	12.92	-172.55	186.86	-143.18	1,919.15	1,889.46	29.69	64.642	
4,200.00	3,661.03	3,648.45	3,643.44	40.69	13.22	-172.60	191.68	-143.88	1,978.49	1,948.06	30.44	65.007	
4,300.00	3,741.81	3,728.93	3,723.77	41.99	13.52	-172.64	196.51	-144.58	2,037.84	2,006.66	31.18	65.352	
4,400.00	3,822.58	3,809.40	3,804.10	43.29	13.81	-172.68	201.33	-145.28	2,097.18	2,065.25	31.93	65.681	
4,500.00	3,903.36	3,889.88	3,884.42	44.59	14.11	-172.72	206.15	-145.98	2,156.53	2,123.85	32.68	65.993	
4,600.00	3,984.14	3,970.36	3,964.75	45.89	14.41	-172.76	210.97	-146.68	2,215.88	2,182.45	33.43	66.290	
4,700.00	4,064.92	4,050.83	4,045.08	47.20	14.71	-172.80	215.79	-147.39	2,275.23	2,241.05	34.18	66.572	
4,800.00	4,145.70	4,131.31	4,125.41	48.50	15.00	-172.83	220.61	-148.09	2,334.57	2,299.65	34.93	66.842	
4,900.00	4,226.48	4,211.79	4,205.74	49.80	15.30	-172.87	225.44	-148.79	2,393.92	2,358.25	35.68	67.100	
5,000.00	4,307.26	4,292.27	4,286.07	51.10	15.60	-172.90	230.26	-149.49	2,453.27	2,416.84	36.43	67.345	

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,100.00	4,388.04	4,372.74	4,366.40	52.40	15.89	-172.93	235.08	-150.19	2,512.62	2,475.44	37.18	67.580	
5,200.00	4,468.82	4,453.22	4,446.73	53.71	16.19	-172.95	239.90	-150.89	2,571.97	2,534.04	37.93	67.805	
5,300.00	4,549.60	4,533.70	4,527.06	55.01	16.49	-172.98	244.72	-151.59	2,631.32	2,592.64	38.68	68.021	
5,400.00	4,630.38	4,614.17	4,607.39	56.31	16.79	-173.01	249.54	-152.29	2,690.67	2,651.24	39.44	68.227	
5,500.00	4,711.16	4,694.65	4,687.72	57.62	17.08	-173.03	254.37	-152.99	2,750.02	2,709.83	40.19	68.425	
5,600.00	4,791.93	4,775.13	4,768.05	58.92	17.38	-173.06	259.19	-153.69	2,809.38	2,768.43	40.94	68.615	
5,700.00	4,872.71	4,855.60	4,848.38	60.23	17.68	-173.08	264.01	-154.39	2,868.73	2,827.03	41.70	68.798	
5,800.00	4,953.49	4,936.08	4,928.71	61.53	17.98	-173.10	268.83	-155.09	2,928.08	2,885.63	42.45	68.973	
5,900.00	5,034.27	5,016.56	5,009.03	62.83	18.28	-173.12	273.65	-155.80	2,987.43	2,944.22	43.21	69.141	
6,000.00	5,115.05	5,097.03	5,089.36	64.14	18.57	-173.14	278.47	-156.50	3,046.79	3,002.82	43.96	69.303	
6,100.00	5,195.83	5,177.51	5,169.69	65.44	18.87	-173.16	283.30	-157.20	3,106.14	3,061.42	44.72	69.459	
6,200.00	5,276.61	5,257.99	5,250.02	66.75	19.17	-173.18	288.12	-157.90	3,165.49	3,120.02	45.47	69.610	
6,300.00	5,357.39	5,338.47	5,330.35	68.05	19.47	-173.20	292.94	-158.60	3,224.84	3,178.61	46.23	69.755	
6,400.00	5,438.17	5,418.94	5,410.68	69.36	19.76	-173.21	297.76	-159.30	3,284.20	3,237.21	46.99	69.894	
6,500.00	5,518.95	5,499.42	5,491.01	70.66	20.06	-173.23	302.58	-160.00	3,343.55	3,295.81	47.75	70.029	
6,600.00	5,599.73	5,579.90	5,571.34	71.97	20.36	-173.25	307.41	-160.70	3,402.91	3,354.40	48.50	70.159	
6,700.00	5,680.51	5,660.37	5,651.67	73.27	20.66	-173.26	312.23	-161.40	3,462.26	3,413.00	49.26	70.284	
6,800.00	5,761.29	5,747.90	5,738.84	74.58	20.99	-173.23	319.71	-162.13	3,521.57	3,471.48	50.09	70.299	
6,837.84	5,791.85	5,782.97	5,773.34	75.07	21.13	-173.16	325.97	-162.36	3,543.95	3,493.50	50.45	70.248	
6,850.00	5,801.67	5,794.17	5,784.27	75.23	21.18	-170.58	328.41	-162.43	3,551.13	3,500.57	50.56	70.230	
6,900.00	5,841.80	5,840.21	5,828.64	75.88	21.38	-160.24	340.66	-162.66	3,580.47	3,529.41	51.06	70.129	
6,950.00	5,881.33	5,886.43	5,872.04	76.52	21.59	-150.46	356.51	-162.82	3,609.34	3,557.77	51.57	69.988	
7,000.00	5,919.97	5,933.03	5,914.37	77.14	21.82	-141.43	375.98	-162.92	3,637.52	3,585.40	52.11	69.802	
7,050.00	5,957.41	5,980.21	5,955.46	77.74	22.06	-133.24	399.12	-162.95	3,664.78	3,612.10	52.68	69.567	
7,100.00	5,993.37	6,028.10	5,995.09	78.32	22.32	-125.91	425.99	-162.90	3,690.92	3,637.64	53.28	69.277	
7,150.00	6,027.59	6,076.84	6,032.97	78.86	22.61	-119.45	456.63	-162.77	3,715.73	3,661.82	53.91	68.929	
7,200.00	6,059.79	6,126.49	6,068.74	79.36	22.91	-113.79	491.04	-162.56	3,739.02	3,684.45	54.57	68.519	
7,250.00	6,089.73	6,177.09	6,102.00	79.83	23.24	-108.88	529.15	-162.27	3,760.62	3,705.35	55.27	68.044	
7,300.00	6,117.20	6,228.62	6,132.27	80.25	23.60	-104.66	570.82	-161.89	3,780.34	3,724.34	56.00	67.504	
7,350.00	6,141.96	6,280.99	6,159.08	80.63	23.98	-101.06	615.80	-161.43	3,798.04	3,741.27	56.77	66.901	
7,400.00	6,163.85	6,334.09	6,181.95	80.98	24.40	-98.04	663.69	-160.88	3,813.58	3,756.00	57.57	66.238	
7,450.00	6,182.69	6,387.73	6,200.46	81.28	24.84	-95.55	714.01	-160.25	3,826.84	3,768.43	58.40	65.523	
7,500.00	6,198.33	6,441.68	6,214.24	81.54	25.30	-93.55	766.15	-159.54	3,837.71	3,778.45	59.26	64.764	
7,550.00	6,210.67	6,495.69	6,223.07	81.77	25.78	-92.00	819.40	-158.77	3,846.12	3,786.00	60.12	63.971	
7,600.00	6,219.60	6,549.48	6,226.84	81.96	26.28	-90.88	873.04	-157.94	3,852.01	3,791.02	60.99	63.156	
7,650.00	6,225.05	6,600.09	6,227.00	82.11	26.76	-90.20	923.64	-157.13	3,855.34	3,793.53	61.81	62.370	
7,702.53	6,227.00	6,652.56	6,227.00	82.24	27.30	-90.00	976.10	-156.28	3,856.09	3,793.38	62.71	61.489	
7,800.00	6,227.00	6,750.03	6,227.00	82.45	28.32	-90.00	1,073.55	-154.71	3,854.86	3,790.40	64.47	59.794	
7,900.00	6,227.00	6,850.02	6,227.00	82.68	29.44	-90.00	1,173.53	-153.10	3,853.60	3,787.20	66.41	58.029	
8,000.00	6,227.00	6,950.01	6,227.00	82.93	30.62	-90.00	1,273.51	-151.49	3,852.35	3,783.87	68.47	56.260	
8,100.00	6,227.00	7,050.00	6,227.00	83.20	31.86	-90.00	1,373.49	-149.88	3,851.09	3,780.43	70.66	54.505	
8,200.00	6,227.00	7,150.00	6,227.00	83.49	33.14	-90.00	1,473.47	-148.27	3,849.83	3,776.88	72.94	52.779	
8,300.00	6,227.00	7,249.99	6,227.00	83.80	34.47	-90.00	1,573.45	-146.65	3,848.57	3,773.24	75.32	51.094	
8,400.00	6,227.00	7,349.98	6,227.00	84.12	35.84	-90.00	1,673.43	-145.04	3,847.31	3,769.51	77.79	49.456	
8,500.00	6,227.00	7,449.97	6,227.00	84.47	37.24	-90.00	1,773.41	-143.43	3,846.05	3,765.71	80.34	47.872	
8,600.00	6,227.00	7,549.96	6,227.00	84.83	38.67	-90.00	1,873.39	-141.82	3,844.79	3,761.83	82.96	46.346	
8,700.00	6,227.00	7,649.96	6,227.00	85.22	40.12	-90.00	1,973.37	-140.21	3,843.53	3,757.89	85.64	44.879	
8,800.00	6,227.00	7,749.95	6,227.00	85.62	41.61	-90.00	2,073.34	-138.60	3,842.27	3,753.88	88.39	43.472	
8,900.00	6,227.00	7,849.94	6,227.00	86.05	43.11	-90.00	2,173.32	-136.99	3,841.01	3,749.83	91.18	42.124	
9,000.00	6,227.00	7,949.93	6,227.00	86.51	44.63	-90.00	2,273.30	-135.38	3,839.75	3,745.72	94.03	40.836	
9,100.00	6,227.00	8,049.92	6,227.00	86.98	46.17	-90.00	2,373.28	-133.77	3,838.49	3,741.57	96.92	39.605	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,200.00	6,227.00	8,149.92	6,227.00	87.49	47.73	-90.00	2,473.26	-132.15	3,837.23	3,737.38	99.85	38.429	
9,300.00	6,227.00	8,249.91	6,227.00	88.01	49.30	-90.00	2,573.24	-130.54	3,835.97	3,733.15	102.82	37.306	
9,400.00	6,227.00	8,349.90	6,227.00	88.56	50.88	-90.00	2,673.22	-128.93	3,834.71	3,728.88	105.83	36.235	
9,500.00	6,227.00	8,449.89	6,227.00	89.14	52.48	-90.00	2,773.20	-127.32	3,833.45	3,724.59	108.86	35.213	
9,600.00	6,227.00	8,549.88	6,227.00	89.75	54.08	-90.00	2,873.18	-125.71	3,832.19	3,720.26	111.93	34.237	
9,700.00	6,227.00	8,649.88	6,227.00	90.38	55.70	-90.00	2,973.16	-124.10	3,830.93	3,715.91	115.02	33.306	
9,800.00	6,227.00	8,749.87	6,227.00	91.04	57.32	-90.00	3,073.14	-122.49	3,829.67	3,711.53	118.14	32.416	
9,900.00	6,227.00	8,849.86	6,227.00	91.73	58.96	-90.00	3,173.11	-120.88	3,828.42	3,707.13	121.28	31.566	
10,000.00	6,227.00	8,949.85	6,227.00	92.44	60.60	-90.00	3,273.09	-119.27	3,827.16	3,702.71	124.44	30.754	
10,100.00	6,227.00	9,049.84	6,227.00	93.19	62.25	-90.00	3,373.07	-117.65	3,825.90	3,698.27	127.63	29.977	
10,200.00	6,227.00	9,149.84	6,227.00	93.96	63.90	-90.00	3,473.05	-116.04	3,824.64	3,693.81	130.83	29.234	
10,300.00	6,227.00	9,249.83	6,227.00	94.76	65.56	-90.00	3,573.03	-114.43	3,823.38	3,689.33	134.04	28.523	
10,400.00	6,227.00	9,349.82	6,227.00	95.59	67.23	-90.00	3,673.01	-112.82	3,822.12	3,684.84	137.28	27.843	
10,500.00	6,227.00	9,449.81	6,227.00	96.45	68.90	-90.00	3,772.99	-111.21	3,820.86	3,680.33	140.52	27.190	
10,600.00	6,227.00	9,549.80	6,227.00	97.34	70.58	-90.00	3,872.97	-109.60	3,819.60	3,675.81	143.79	26.565	
10,700.00	6,227.00	9,649.80	6,227.00	98.26	72.26	-90.00	3,972.95	-107.99	3,818.34	3,671.28	147.06	25.965	
10,800.00	6,227.00	9,749.79	6,227.00	99.20	73.94	-90.00	4,072.93	-106.38	3,817.08	3,666.73	150.35	25.389	
10,900.00	6,227.00	9,849.78	6,227.00	100.18	75.63	-90.00	4,172.91	-104.77	3,815.82	3,662.18	153.64	24.835	
11,000.00	6,227.00	9,949.77	6,227.00	101.18	77.32	-90.00	4,272.88	-103.15	3,814.56	3,657.61	156.95	24.304	
11,100.00	6,227.00	10,049.77	6,227.00	102.20	79.02	-90.00	4,372.86	-101.54	3,813.30	3,653.03	160.27	23.793	
11,200.00	6,227.00	10,149.76	6,227.00	103.26	80.71	-90.00	4,472.84	-99.93	3,812.04	3,648.44	163.60	23.301	
11,300.00	6,227.00	10,249.75	6,227.00	104.33	82.42	-90.00	4,572.82	-98.32	3,810.78	3,643.85	166.93	22.828	
11,400.00	6,227.00	10,349.74	6,227.00	105.44	84.12	-90.00	4,672.80	-96.71	3,809.52	3,639.24	170.28	22.372	
11,500.00	6,227.00	10,449.73	6,227.00	106.57	85.83	-90.00	4,772.78	-95.10	3,808.26	3,634.63	173.63	21.933	
11,600.00	6,227.00	10,549.73	6,227.00	107.72	87.54	-90.00	4,872.76	-93.49	3,807.00	3,630.01	176.99	21.510	
11,700.00	6,227.00	10,649.72	6,227.00	108.89	89.25	-90.00	4,972.74	-91.88	3,805.74	3,625.39	180.36	21.101	
11,800.00	6,227.00	10,749.71	6,227.00	110.09	90.96	-90.00	5,072.72	-90.27	3,804.49	3,620.76	183.73	20.707	
11,900.00	6,227.00	10,849.70	6,227.00	111.31	92.68	-90.00	5,172.70	-88.65	3,803.23	3,616.12	187.11	20.326	
12,000.00	6,227.00	10,949.69	6,227.00	112.54	94.40	-90.00	5,272.68	-87.04	3,801.97	3,611.47	190.49	19.958	
12,072.28	6,227.00	10,974.09	6,227.00	113.45	94.82	-90.00	5,297.06	-86.65	3,801.36	3,609.84	191.52	19.849	
12,100.00	6,227.00	10,974.09	6,227.00	113.80	94.82	-90.00	5,297.06	-86.65	3,801.46	3,609.84	191.62	19.839	
12,200.00	6,227.00	10,974.09	6,227.00	115.08	94.82	-90.00	5,297.06	-86.65	3,803.50	3,611.58	191.93	19.817 SF	
12,300.00	6,227.00	10,974.09	6,227.00	116.37	94.82	-90.00	5,297.06	-86.65	3,808.17	3,616.03	192.14	19.820	
12,400.00	6,227.00	10,974.09	6,227.00	117.69	94.82	-90.00	5,297.06	-86.65	3,815.46	3,623.20	192.26	19.845	
12,500.00	6,227.00	10,974.09	6,227.00	119.02	94.82	-90.00	5,297.06	-86.65	3,825.35	3,633.06	192.28	19.895	
12,600.00	6,227.00	10,974.09	6,227.00	120.36	94.82	-90.00	5,297.06	-86.65	3,837.81	3,645.60	192.21	19.967	
12,700.00	6,227.00	10,974.09	6,227.00	121.72	94.82	-90.00	5,297.06	-86.65	3,852.84	3,660.79	192.05	20.062	
12,800.00	6,227.00	10,974.09	6,227.00	123.10	94.82	-90.00	5,297.06	-86.65	3,870.39	3,678.59	191.80	20.180	
12,900.00	6,227.00	10,974.09	6,227.00	124.49	94.82	-90.00	5,297.06	-86.65	3,890.43	3,698.97	191.46	20.320	
13,000.00	6,227.00	10,974.09	6,227.00	125.89	94.82	-90.00	5,297.06	-86.65	3,912.93	3,721.89	191.03	20.483	
13,100.00	6,227.00	10,974.09	6,227.00	127.31	94.82	-90.00	5,297.06	-86.65	3,937.83	3,747.30	190.53	20.668	
13,200.00	6,227.00	10,974.09	6,227.00	128.74	94.82	-90.00	5,297.06	-86.65	3,965.11	3,775.15	189.95	20.874	
13,300.00	6,227.00	10,974.09	6,227.00	130.18	94.82	-90.00	5,297.06	-86.65	3,994.70	3,805.39	189.31	21.102	
13,400.00	6,227.00	10,974.09	6,227.00	131.63	94.82	-90.00	5,297.06	-86.65	4,026.56	3,837.97	188.59	21.351	
13,500.00	6,227.00	10,974.09	6,227.00	133.09	94.82	-90.00	5,297.06	-86.65	4,060.63	3,872.82	187.81	21.621	
13,600.00	6,227.00	10,974.09	6,227.00	134.57	94.82	-90.00	5,297.06	-86.65	4,096.86	3,909.88	186.98	21.911	
13,700.00	6,227.00	10,974.09	6,227.00	136.05	94.82	-90.00	5,297.06	-86.65	4,135.19	3,949.10	186.09	22.221	
13,800.00	6,227.00	10,974.09	6,227.00	137.54	94.82	-90.00	5,297.06	-86.65	4,175.57	3,990.41	185.16	22.551	
13,900.00	6,227.00	10,974.09	6,227.00	139.05	94.82	-90.00	5,297.06	-86.65	4,217.93	4,033.74	184.18	22.901	
14,000.00	6,227.00	10,974.09	6,227.00	140.56	94.82	-90.00	5,297.06	-86.65	4,262.21	4,079.04	183.17	23.269	
14,100.00	6,227.00	10,974.09	6,227.00	142.07	94.82	-90.00	5,297.06	-86.65	4,308.36	4,126.24	182.12	23.657	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-01 - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,200.00	6,227.00	10,974.09	6,227.00	143.60	94.82	-90.00	5,297.06	-86.65	4,356.32	4,175.28	181.04	24.062	
14,300.00	6,227.00	10,974.09	6,227.00	145.14	94.82	-90.00	5,297.06	-86.65	4,406.03	4,226.09	179.94	24.486	
14,400.00	6,227.00	10,974.09	6,227.00	146.68	94.82	-90.00	5,297.06	-86.65	4,457.42	4,278.60	178.82	24.927	
14,500.00	6,227.00	10,974.09	6,227.00	148.23	94.82	-90.00	5,297.06	-86.65	4,510.45	4,332.77	177.68	25.385	
14,600.00	6,227.00	10,974.09	6,227.00	149.78	94.82	-90.00	5,297.06	-86.65	4,565.05	4,388.53	176.53	25.860	
14,700.00	6,227.00	10,974.09	6,227.00	151.35	94.82	-90.00	5,297.06	-86.65	4,621.17	4,445.81	175.36	26.352	
14,800.00	6,227.00	10,974.09	6,227.00	152.91	94.82	-90.00	5,297.06	-86.65	4,678.76	4,504.57	174.19	26.859	
14,900.00	6,227.00	10,974.09	6,227.00	154.49	94.82	-90.00	5,297.06	-86.65	4,737.76	4,564.74	173.02	27.383	
15,000.00	6,227.00	10,974.09	6,227.00	156.07	94.82	-90.00	5,297.06	-86.65	4,798.11	4,626.27	171.84	27.921	
15,100.00	6,227.00	10,974.09	6,227.00	157.65	94.82	-90.00	5,297.06	-86.65	4,859.78	4,689.11	170.67	28.475	
15,200.00	6,227.00	10,974.09	6,227.00	159.24	94.82	-90.00	5,297.06	-86.65	4,922.70	4,753.20	169.50	29.043	
15,300.00	6,227.00	10,974.09	6,227.00	160.84	94.82	-90.00	5,297.06	-86.65	4,986.84	4,818.50	168.33	29.625	
15,400.00	6,227.00	10,974.09	6,227.00	162.44	94.82	-90.00	5,297.06	-86.65	5,052.14	4,884.96	167.17	30.221	
15,500.00	6,227.00	10,974.09	6,227.00	164.05	94.82	-90.00	5,297.06	-86.65	5,118.56	4,952.53	166.02	30.830	
15,600.00	6,227.00	10,974.09	6,227.00	165.66	94.82	-90.00	5,297.06	-86.65	5,186.05	5,021.17	164.88	31.453	
15,700.00	6,227.00	10,974.09	6,227.00	167.27	94.82	-90.00	5,297.06	-86.65	5,254.59	5,090.83	163.76	32.088	
15,800.00	6,227.00	10,974.09	6,227.00	168.89	94.82	-90.00	5,297.06	-86.65	5,324.12	5,161.48	162.64	32.735	
15,900.00	6,227.00	10,974.09	6,227.00	170.51	94.82	-90.00	5,297.06	-86.65	5,394.61	5,233.07	161.54	33.395	
16,000.00	6,227.00	10,974.09	6,227.00	172.14	94.82	-90.00	5,297.06	-86.65	5,466.02	5,305.57	160.45	34.066	
16,100.00	6,227.00	10,974.09	6,227.00	173.77	94.82	-90.00	5,297.06	-86.65	5,538.31	5,378.93	159.38	34.749	
16,200.00	6,227.00	10,974.09	6,227.00	175.40	94.82	-90.00	5,297.06	-86.65	5,611.46	5,453.13	158.32	35.443	
16,300.00	6,227.00	10,974.09	6,227.00	177.04	94.82	-90.00	5,297.06	-86.65	5,685.42	5,528.13	157.28	36.148	
16,400.00	6,227.00	10,974.09	6,227.00	178.68	94.82	-90.00	5,297.06	-86.65	5,760.17	5,603.91	156.26	36.863	
16,500.00	6,227.00	10,974.09	6,227.00	180.32	94.82	-90.00	5,297.06	-86.65	5,835.67	5,680.42	155.26	37.588	
16,600.00	6,227.00	10,974.09	6,227.00	181.96	94.82	-90.00	5,297.06	-86.65	5,911.90	5,757.64	154.27	38.323	
16,700.00	6,227.00	10,974.09	6,227.00	183.61	94.82	-90.00	5,297.06	-86.65	5,988.84	5,835.54	153.30	39.067	
16,800.00	6,227.00	10,974.09	6,227.00	185.27	94.82	-90.00	5,297.06	-86.65	6,066.44	5,914.10	152.34	39.821	
16,900.00	6,227.00	10,974.09	6,227.00	186.92	94.82	-90.00	5,297.06	-86.65	6,144.69	5,993.28	151.41	40.583	
17,000.00	6,227.00	10,974.09	6,227.00	188.58	94.82	-90.00	5,297.06	-86.65	6,223.57	6,073.07	150.49	41.355	
17,100.00	6,227.00	10,974.09	6,227.00	190.24	94.82	-90.00	5,297.06	-86.65	6,303.04	6,153.45	149.59	42.134	
17,200.00	6,227.00	10,974.09	6,227.00	191.90	94.82	-90.00	5,297.06	-86.65	6,383.09	6,234.38	148.71	42.922	
17,300.00	6,227.00	10,974.09	6,227.00	193.57	94.82	-90.00	5,297.06	-86.65	6,463.70	6,315.85	147.85	43.718	
17,348.07	6,227.00	10,974.09	6,227.00	194.37	94.82	-90.00	5,297.06	-86.65	6,502.64	6,355.20	147.44	44.103	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
0.00	0.00	0.00	0.00	0.00	0.00	-87.04	6.19	-119.83	119.99				
100.00	100.00	100.00	100.00	0.27	0.27	-87.04	6.19	-119.83	119.99	119.45	0.54	223.153	
200.00	200.00	200.00	200.00	0.63	0.63	-87.04	6.19	-119.83	119.99	118.74	1.25	95.637	CC, ES
300.00	299.98	299.98	299.98	0.98	0.99	-171.37	6.19	-119.83	121.72	119.75	1.97	61.906	
400.00	399.84	399.84	399.84	1.34	1.34	-171.71	6.19	-119.83	126.89	124.21	2.68	47.333	
500.00	499.45	499.45	499.45	1.71	1.70	-172.21	6.19	-119.83	135.52	132.12	3.40	39.861	
600.00	598.70	598.70	598.70	2.10	2.06	-172.82	6.19	-119.83	147.61	143.49	4.12	35.818	
700.00	697.47	697.47	697.47	2.51	2.41	-173.47	6.19	-119.83	163.14	158.30	4.84	33.682	
800.00	795.62	800.93	800.91	2.95	2.78	-173.84	7.18	-118.35	180.71	175.13	5.58	32.403	
900.00	893.06	905.02	904.85	3.44	3.15	-173.63	10.24	-113.72	198.74	192.42	6.31	31.477	
1,000.00	989.64	1,009.55	1,008.95	3.96	3.53	-172.99	15.42	-105.90	217.21	210.15	7.06	30.769	
1,100.00	1,085.27	1,109.19	1,107.91	4.54	3.89	-172.20	21.79	-96.29	236.99	229.19	7.81	30.355	
1,200.00	1,179.82	1,206.45	1,204.52	5.16	4.26	-171.63	28.07	-86.81	260.09	251.53	8.56	30.381	
1,300.00	1,273.17	1,302.88	1,300.28	5.85	4.63	-171.23	34.30	-77.41	286.54	277.22	9.32	30.741	
1,400.00	1,365.21	1,398.33	1,395.08	6.59	5.00	-170.97	40.47	-68.10	316.31	306.22	10.09	31.358	
1,500.00	1,455.84	1,492.71	1,488.81	7.40	5.36	-170.82	46.56	-58.91	349.35	338.49	10.86	32.177	
1,600.00	1,544.94	1,585.90	1,581.35	8.28	5.73	-170.75	52.58	-49.82	385.62	373.99	11.63	33.157	
1,700.00	1,632.39	1,677.77	1,672.60	9.23	6.09	-170.75	58.51	-40.87	425.08	412.68	12.40	34.267	
1,800.00	1,718.11	1,768.23	1,762.43	10.25	6.45	-170.78	64.35	-32.05	467.69	454.51	13.18	35.485	
1,900.00	1,801.97	1,857.15	1,850.75	11.35	6.80	-170.83	70.10	-23.38	513.39	499.44	13.95	36.792	
2,005.96	1,888.70	1,949.58	1,942.55	12.60	7.17	-170.91	76.07	-14.37	565.13	550.36	14.77	38.260	
2,100.00	1,964.66	2,030.77	2,023.17	13.75	7.49	-171.13	81.31	-6.46	612.56	597.07	15.49	39.539	
2,200.00	2,045.44	2,117.09	2,108.91	14.99	7.83	-171.34	86.89	1.96	663.00	646.74	16.26	40.775	
2,300.00	2,126.22	2,203.42	2,194.64	16.24	8.18	-171.51	92.46	10.37	713.44	696.41	17.03	41.888	
2,400.00	2,207.00	2,289.74	2,280.37	17.50	8.52	-171.66	98.04	18.79	763.89	746.08	17.81	42.894	
2,500.00	2,287.78	2,376.07	2,366.11	18.77	8.87	-171.80	103.61	27.20	814.34	795.75	18.59	43.808	
2,600.00	2,368.56	2,462.40	2,451.84	20.04	9.21	-171.91	109.19	35.62	864.79	845.42	19.37	44.642	
2,700.00	2,449.34	2,548.72	2,537.57	21.31	9.56	-172.02	114.76	44.03	915.25	895.09	20.16	45.404	
2,800.00	2,530.12	2,635.05	2,623.31	22.59	9.91	-172.11	120.34	52.45	965.71	944.76	20.95	46.104	
2,900.00	2,610.90	2,721.37	2,709.04	23.88	10.25	-172.20	125.91	60.86	1,016.17	994.43	21.74	46.748	
3,000.00	2,691.68	2,807.70	2,794.78	25.16	10.60	-172.27	131.49	69.28	1,066.63	1,044.10	22.53	47.343	
3,100.00	2,772.46	2,894.03	2,880.51	26.45	10.95	-172.34	137.06	77.69	1,117.09	1,093.77	23.32	47.894	
3,200.00	2,853.23	2,980.35	2,966.24	27.74	11.30	-172.41	142.64	86.11	1,167.56	1,143.44	24.12	48.406	
3,300.00	2,934.01	3,066.68	3,051.98	29.03	11.64	-172.46	148.21	94.52	1,218.02	1,193.10	24.92	48.882	
3,400.00	3,014.79	3,153.00	3,137.71	30.32	11.99	-172.52	153.79	102.94	1,268.49	1,242.77	25.72	49.327	
3,500.00	3,095.57	3,239.33	3,223.45	31.61	12.34	-172.57	159.37	111.35	1,318.95	1,292.44	26.52	49.742	
3,600.00	3,176.35	3,325.66	3,309.18	32.91	12.69	-172.61	164.94	119.77	1,369.42	1,342.10	27.32	50.131	
3,700.00	3,257.13	3,411.98	3,394.91	34.20	13.04	-172.66	170.52	128.18	1,419.89	1,391.77	28.12	50.496	
3,800.00	3,337.91	3,498.31	3,480.65	35.50	13.39	-172.70	176.09	136.60	1,470.36	1,441.44	28.92	50.839	
3,900.00	3,418.69	3,584.63	3,566.38	36.80	13.73	-172.73	181.67	145.01	1,520.83	1,491.10	29.73	51.162	
4,000.00	3,499.47	3,670.96	3,652.12	38.09	14.08	-172.77	187.24	153.42	1,571.30	1,540.77	30.53	51.467	
4,100.00	3,580.25	3,757.29	3,737.85	39.39	14.43	-172.80	192.82	161.84	1,621.77	1,590.43	31.34	51.755	
4,200.00	3,661.03	3,843.61	3,823.58	40.69	14.78	-172.83	198.39	170.25	1,672.24	1,640.09	32.14	52.027	
4,300.00	3,741.81	3,929.94	3,909.32	41.99	15.13	-172.86	203.97	178.67	1,722.71	1,689.76	32.95	52.286	
4,400.00	3,822.58	4,016.27	3,995.05	43.29	15.48	-172.89	209.54	187.08	1,773.18	1,739.42	33.76	52.530	
4,500.00	3,903.36	4,102.59	4,080.78	44.59	15.83	-172.91	215.12	195.50	1,823.65	1,789.08	34.56	52.763	
4,600.00	3,984.14	4,188.92	4,166.52	45.89	16.18	-172.94	220.69	203.91	1,874.12	1,838.75	35.37	52.984	
4,700.00	4,064.92	4,275.24	4,252.25	47.20	16.53	-172.96	226.27	212.33	1,924.59	1,888.41	36.18	53.194	
4,800.00	4,145.70	4,361.57	4,337.99	48.50	16.88	-172.98	231.85	220.74	1,975.06	1,938.07	36.99	53.395	
4,900.00	4,226.48	4,447.90	4,423.72	49.80	17.23	-173.00	237.42	229.16	2,025.53	1,987.73	37.80	53.586	
5,000.00	4,307.26	4,534.22	4,509.45	51.10	17.58	-173.02	243.00	237.57	2,076.01	2,037.40	38.61	53.768	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	4,388.04	4,620.55	4,595.19	52.40	17.93	-173.04	248.57	245.99	2,126.48	2,087.06	39.42	53.943		
5,200.00	4,468.82	4,706.87	4,680.92	53.71	18.28	-173.06	254.15	254.40	2,176.95	2,136.72	40.23	54.110		
5,300.00	4,549.60	4,793.20	4,766.66	55.01	18.63	-173.07	259.72	262.82	2,227.42	2,186.38	41.04	54.270		
5,400.00	4,630.38	4,879.53	4,852.39	56.31	18.97	-173.09	265.30	271.23	2,277.90	2,236.04	41.86	54.423		
5,500.00	4,711.16	4,965.85	4,938.12	57.62	19.32	-173.11	270.87	279.65	2,328.37	2,285.70	42.67	54.569		
5,600.00	4,791.93	5,052.18	5,023.86	58.92	19.67	-173.12	276.45	288.06	2,378.84	2,335.36	43.48	54.710		
5,700.00	4,872.71	5,138.50	5,109.59	60.23	20.02	-173.14	282.02	296.48	2,429.32	2,385.02	44.29	54.845		
5,800.00	4,953.49	5,224.83	5,195.33	61.53	20.37	-173.15	287.60	304.89	2,479.79	2,434.68	45.11	54.975		
5,900.00	5,034.27	5,311.16	5,281.06	62.83	20.72	-173.16	293.17	313.31	2,530.26	2,484.34	45.92	55.100		
6,000.00	5,115.05	5,397.48	5,366.79	64.14	21.07	-173.18	298.75	321.72	2,580.74	2,534.00	46.74	55.221		
6,100.00	5,195.83	5,483.81	5,452.53	65.44	21.42	-173.19	304.32	330.14	2,631.21	2,583.66	47.55	55.336		
6,200.00	5,276.61	5,570.13	5,538.26	66.75	21.77	-173.20	309.90	338.55	2,681.68	2,633.32	48.36	55.448		
6,300.00	5,357.39	5,656.46	5,623.99	68.05	22.12	-173.21	315.48	346.97	2,732.16	2,682.98	49.18	55.555		
6,400.00	5,438.17	5,744.60	5,711.51	69.36	22.48	-173.22	321.41	355.56	2,782.63	2,732.61	50.01	55.639		
6,500.00	5,518.95	5,840.25	5,805.07	70.66	22.91	-172.98	338.27	365.00	2,832.90	2,781.90	50.99	55.554		
6,600.00	5,599.73	5,930.52	5,899.64	71.97	23.34	-172.43	368.31	373.88	2,883.02	2,830.98	52.04	55.398		
6,700.00	5,680.51	6,011.91	5,960.99	73.27	23.76	-171.69	406.54	381.68	2,933.30	2,880.20	53.10	55.244		
6,800.00	5,761.29	6,092.92	6,018.28	74.58	24.16	-170.88	447.91	388.20	2,984.12	2,930.01	54.12	55.142		
6,837.84	5,791.85	6,107.07	6,036.54	75.07	24.30	-170.57	463.56	390.33	3,003.57	2,949.09	54.48	55.128		
6,850.00	5,801.67	6,114.59	6,042.10	75.23	24.34	-168.08	468.59	390.99	3,009.84	2,955.24	54.60	55.124		
6,900.00	5,841.80	6,145.51	6,064.21	75.88	24.53	-158.10	490.03	393.63	3,035.53	2,980.44	55.09	55.106		
6,950.00	5,881.33	6,176.45	6,085.15	76.52	24.72	-148.66	512.66	396.19	3,060.88	3,005.30	55.58	55.071		
7,000.00	5,919.97	6,207.45	6,104.88	77.14	24.92	-139.93	536.44	398.66	3,085.69	3,029.61	56.08	55.024		
7,050.00	5,957.41	6,238.57	6,123.36	77.74	25.12	-132.01	561.36	401.03	3,109.72	3,053.14	56.58	54.957		
7,100.00	5,993.37	6,269.82	6,140.54	78.32	25.33	-124.91	587.36	403.31	3,132.79	3,075.70	57.09	54.873		
7,150.00	6,027.59	6,300.00	6,155.76	78.86	25.55	-118.64	613.33	405.39	3,154.71	3,097.14	57.57	54.794		
7,200.00	6,059.79	6,332.78	6,170.73	79.36	25.79	-113.13	642.41	407.53	3,175.30	3,117.20	58.10	54.649		
7,250.00	6,089.73	6,364.49	6,183.60	79.83	26.03	-108.35	671.32	409.46	3,194.39	3,135.79	58.60	54.509		
7,300.00	6,117.20	6,400.00	6,196.11	80.25	26.30	-104.21	704.49	411.45	3,211.85	3,152.68	59.17	54.285		
7,350.00	6,141.96	6,428.30	6,204.59	80.63	26.53	-100.72	731.44	412.91	3,227.53	3,167.94	59.58	54.170		
7,400.00	6,163.85	6,460.35	6,212.59	80.98	26.80	-97.78	762.45	414.42	3,241.31	3,181.26	60.06	53.971		
7,450.00	6,182.69	6,500.00	6,220.06	81.28	27.13	-95.32	801.34	416.06	3,253.11	3,192.44	60.68	53.615		
7,500.00	6,198.33	6,524.64	6,223.36	81.54	27.35	-93.40	825.74	416.95	3,262.80	3,201.83	60.98	53.509		
7,550.00	6,210.67	6,556.80	6,226.07	81.77	27.64	-91.90	857.76	417.98	3,270.35	3,208.93	61.42	53.245		
7,600.00	6,219.60	6,589.45	6,227.00	81.96	27.93	-90.84	890.38	418.84	3,275.69	3,213.82	61.87	52.946		
7,650.00	6,225.05	6,638.22	6,227.00	82.11	28.39	-90.18	939.14	419.99	3,278.64	3,215.97	62.67	52.312		
7,702.53	6,227.00	6,690.69	6,227.00	82.24	28.90	-90.00	991.60	421.23	3,279.00	3,215.43	63.57	51.581		
7,800.00	6,227.00	6,788.15	6,227.00	82.45	29.90	-90.00	1,089.02	423.54	3,277.03	3,211.68	65.35	50.144		
7,900.00	6,227.00	6,888.13	6,227.00	82.68	31.00	-90.00	1,188.98	425.91	3,275.01	3,207.70	67.31	48.653		
8,000.00	6,227.00	6,988.11	6,227.00	82.93	32.15	-90.00	1,288.93	428.28	3,273.00	3,203.60	69.40	47.162		
8,100.00	6,227.00	7,088.09	6,227.00	83.20	33.36	-90.00	1,388.88	430.64	3,270.98	3,199.39	71.60	45.687		
8,200.00	6,227.00	7,188.07	6,227.00	83.49	34.62	-90.00	1,488.83	433.01	3,268.97	3,195.07	73.90	44.238		
8,300.00	6,227.00	7,288.04	6,227.00	83.80	35.92	-90.00	1,588.78	435.38	3,266.95	3,190.66	76.29	42.824		
8,400.00	6,227.00	7,388.02	6,227.00	84.12	37.26	-90.00	1,688.73	437.74	3,264.94	3,186.17	78.77	41.452		
8,500.00	6,227.00	7,488.00	6,227.00	84.47	38.63	-90.00	1,788.69	440.11	3,262.92	3,181.60	81.32	40.125		
8,600.00	6,227.00	7,587.98	6,227.00	84.83	40.03	-90.00	1,888.64	442.48	3,260.90	3,176.96	83.94	38.846		
8,700.00	6,227.00	7,687.96	6,227.00	85.22	41.47	-90.00	1,988.59	444.84	3,258.89	3,172.26	86.63	37.617		
8,800.00	6,227.00	7,787.94	6,227.00	85.62	42.92	-90.00	2,088.54	447.21	3,256.87	3,167.49	89.38	36.439		
8,900.00	6,227.00	7,887.92	6,227.00	86.05	44.40	-90.00	2,188.49	449.58	3,254.86	3,162.68	92.18	35.310		
9,000.00	6,227.00	7,987.90	6,227.00	86.51	45.90	-90.00	2,288.44	451.95	3,252.84	3,157.82	95.03	34.231		
9,100.00	6,227.00	8,087.88	6,227.00	86.98	47.42	-90.00	2,388.40	454.31	3,250.83	3,152.91	97.92	33.199		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
9,200.00	6,227.00	8,187.86	6,227.00	87.49	48.96	-90.00	2,488.35	456.68	3,248.81	3,147.96	100.85	32.214		
9,300.00	6,227.00	8,287.84	6,227.00	88.01	50.51	-90.00	2,588.30	459.05	3,246.79	3,142.97	103.82	31.273		
9,400.00	6,227.00	8,387.82	6,227.00	88.56	52.07	-90.00	2,688.25	461.41	3,244.78	3,137.95	106.83	30.374		
9,500.00	6,227.00	8,487.80	6,227.00	89.14	53.65	-90.00	2,788.20	463.78	3,242.76	3,132.90	109.86	29.517		
9,600.00	6,227.00	8,587.78	6,227.00	89.75	55.24	-90.00	2,888.15	466.15	3,240.75	3,127.82	112.93	28.698		
9,700.00	6,227.00	8,687.76	6,227.00	90.38	56.84	-90.00	2,988.11	468.51	3,238.73	3,122.71	116.02	27.916		
9,800.00	6,227.00	8,787.74	6,227.00	91.04	58.44	-90.00	3,088.06	470.88	3,236.72	3,117.58	119.13	27.169		
9,900.00	6,227.00	8,887.72	6,227.00	91.73	60.06	-90.00	3,188.01	473.25	3,234.70	3,112.43	122.27	26.455		
10,000.00	6,227.00	8,987.70	6,227.00	92.44	61.69	-90.00	3,287.96	475.62	3,232.68	3,107.25	125.43	25.772		
10,100.00	6,227.00	9,087.68	6,227.00	93.19	63.32	-90.00	3,387.91	477.98	3,230.67	3,102.06	128.61	25.120		
10,200.00	6,227.00	9,187.66	6,227.00	93.96	64.96	-90.00	3,487.86	480.35	3,228.65	3,096.84	131.81	24.495		
10,300.00	6,227.00	9,287.64	6,227.00	94.76	66.61	-90.00	3,587.82	482.72	3,226.64	3,091.61	135.02	23.897		
10,400.00	6,227.00	9,387.62	6,227.00	95.59	68.26	-90.00	3,687.77	485.08	3,224.62	3,086.37	138.25	23.324		
10,500.00	6,227.00	9,487.60	6,227.00	96.45	69.92	-90.00	3,787.72	487.45	3,222.61	3,081.11	141.50	22.775		
10,600.00	6,227.00	9,587.58	6,227.00	97.34	71.58	-90.00	3,887.67	489.82	3,220.59	3,075.83	144.76	22.248		
10,700.00	6,227.00	9,687.56	6,227.00	98.26	73.25	-90.00	3,987.62	492.18	3,218.57	3,070.55	148.03	21.743		
10,800.00	6,227.00	9,787.54	6,227.00	99.20	74.92	-90.00	4,087.57	494.55	3,216.56	3,065.25	151.31	21.258		
10,900.00	6,227.00	9,887.52	6,227.00	100.18	76.60	-90.00	4,187.53	496.92	3,214.54	3,059.94	154.61	20.792		
11,000.00	6,227.00	9,987.50	6,227.00	101.18	78.28	-90.00	4,287.48	499.28	3,212.53	3,054.62	157.91	20.344		
11,100.00	6,227.00	10,087.48	6,227.00	102.20	79.96	-90.00	4,387.43	501.65	3,210.51	3,049.29	161.23	19.913		
11,200.00	6,227.00	10,187.46	6,227.00	103.26	81.65	-90.00	4,487.38	504.02	3,208.50	3,043.95	164.55	19.499		
11,300.00	6,227.00	10,287.44	6,227.00	104.33	83.34	-90.00	4,587.33	506.39	3,206.48	3,038.60	167.88	19.099		
11,400.00	6,227.00	10,387.41	6,227.00	105.44	85.04	-90.00	4,687.28	508.75	3,204.46	3,033.24	171.22	18.715		
11,500.00	6,227.00	10,487.39	6,227.00	106.57	86.74	-90.00	4,787.24	511.12	3,202.45	3,027.88	174.57	18.344		
11,600.00	6,227.00	10,587.37	6,227.00	107.72	88.44	-90.00	4,887.19	513.49	3,200.43	3,022.50	177.93	17.987		
11,700.00	6,227.00	10,687.35	6,227.00	108.89	90.14	-90.00	4,987.14	515.85	3,198.42	3,017.12	181.29	17.642		
11,800.00	6,227.00	10,787.33	6,227.00	110.09	91.84	-90.00	5,087.09	518.22	3,196.40	3,011.74	184.66	17.309		
11,900.00	6,227.00	10,887.31	6,227.00	111.31	93.55	-90.00	5,187.04	520.59	3,194.39	3,006.35	188.04	16.988		
12,000.00	6,227.00	10,987.29	6,227.00	112.54	95.26	-90.00	5,286.99	522.95	3,192.37	3,000.95	191.42	16.677		
12,076.61	6,227.00	10,999.56	6,227.00	113.51	95.47	-90.00	5,299.26	523.24	3,191.47	2,999.70	191.78	16.642 SF		
12,100.00	6,227.00	10,999.56	6,227.00	113.80	95.47	-90.00	5,299.26	523.24	3,191.56	2,999.82	191.74	16.645		
12,200.00	6,227.00	10,999.56	6,227.00	115.08	95.47	-90.00	5,299.26	523.24	3,193.86	3,002.36	191.50	16.678		
12,300.00	6,227.00	10,999.56	6,227.00	116.37	95.47	-90.00	5,299.26	523.24	3,199.28	3,008.15	191.13	16.739		
12,400.00	6,227.00	10,999.56	6,227.00	117.69	95.47	-90.00	5,299.26	523.24	3,207.82	3,017.19	190.63	16.828		
12,500.00	6,227.00	10,999.56	6,227.00	119.02	95.47	-90.00	5,299.26	523.24	3,219.44	3,029.44	190.00	16.945		
12,600.00	6,227.00	10,999.56	6,227.00	120.36	95.47	-90.00	5,299.26	523.24	3,234.11	3,044.86	189.24	17.090		
12,700.00	6,227.00	10,999.56	6,227.00	121.72	95.47	-90.00	5,299.26	523.24	3,251.79	3,063.42	188.37	17.263		
12,800.00	6,227.00	10,999.56	6,227.00	123.10	95.47	-90.00	5,299.26	523.24	3,272.43	3,085.04	187.39	17.463		
12,900.00	6,227.00	10,999.56	6,227.00	124.49	95.47	-90.00	5,299.26	523.24	3,295.98	3,109.68	186.30	17.692		
13,000.00	6,227.00	10,999.56	6,227.00	125.89	95.47	-90.00	5,299.26	523.24	3,322.37	3,137.25	185.12	17.947		
13,100.00	6,227.00	10,999.56	6,227.00	127.31	95.47	-90.00	5,299.26	523.24	3,351.54	3,167.69	183.85	18.230		
13,200.00	6,227.00	10,999.56	6,227.00	128.74	95.47	-90.00	5,299.26	523.24	3,383.42	3,200.91	182.50	18.539		
13,300.00	6,227.00	10,999.56	6,227.00	130.18	95.47	-90.00	5,299.26	523.24	3,417.92	3,236.83	181.09	18.874		
13,400.00	6,227.00	10,999.56	6,227.00	131.63	95.47	-90.00	5,299.26	523.24	3,454.98	3,275.37	179.61	19.236		
13,500.00	6,227.00	10,999.56	6,227.00	133.09	95.47	-90.00	5,299.26	523.24	3,494.50	3,316.42	178.08	19.623		
13,600.00	6,227.00	10,999.56	6,227.00	134.57	95.47	-90.00	5,299.26	523.24	3,536.41	3,359.91	176.51	20.035		
13,700.00	6,227.00	10,999.56	6,227.00	136.05	95.47	-90.00	5,299.26	523.24	3,580.63	3,405.73	174.90	20.472		
13,800.00	6,227.00	10,999.56	6,227.00	137.54	95.47	-90.00	5,299.26	523.24	3,627.06	3,453.80	173.26	20.934		
13,900.00	6,227.00	10,999.56	6,227.00	139.05	95.47	-90.00	5,299.26	523.24	3,675.63	3,504.02	171.61	21.419		
14,000.00	6,227.00	10,999.56	6,227.00	140.56	95.47	-90.00	5,299.26	523.24	3,726.25	3,556.31	169.94	21.927		
14,100.00	6,227.00	10,999.56	6,227.00	142.07	95.47	-90.00	5,299.26	523.24	3,778.84	3,610.58	168.26	22.459		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
14,200.00	6,227.00	10,999.56	6,227.00	143.60	95.47	-90.00	5,299.26	523.24	3,833.31	3,666.73	166.58	23.012	
14,300.00	6,227.00	10,999.56	6,227.00	145.14	95.47	-90.00	5,299.26	523.24	3,889.60	3,724.69	164.90	23.587	
14,400.00	6,227.00	10,999.56	6,227.00	146.68	95.47	-90.00	5,299.26	523.24	3,947.61	3,784.38	163.24	24.184	
14,500.00	6,227.00	10,999.56	6,227.00	148.23	95.47	-90.00	5,299.26	523.24	4,007.28	3,845.70	161.58	24.801	
14,600.00	6,227.00	10,999.56	6,227.00	149.78	95.47	-90.00	5,299.26	523.24	4,068.54	3,908.60	159.94	25.438	
14,700.00	6,227.00	10,999.56	6,227.00	151.35	95.47	-90.00	5,299.26	523.24	4,131.30	3,972.98	158.32	26.094	
14,800.00	6,227.00	10,999.56	6,227.00	152.91	95.47	-90.00	5,299.26	523.24	4,195.52	4,038.79	156.72	26.770	
14,900.00	6,227.00	10,999.56	6,227.00	154.49	95.47	-90.00	5,299.26	523.24	4,261.11	4,105.95	155.15	27.464	
15,000.00	6,227.00	10,999.56	6,227.00	156.07	95.47	-90.00	5,299.26	523.24	4,328.01	4,174.41	153.61	28.176	
15,100.00	6,227.00	10,999.56	6,227.00	157.65	95.47	-90.00	5,299.26	523.24	4,396.18	4,244.09	152.09	28.905	
15,200.00	6,227.00	10,999.56	6,227.00	159.24	95.47	-90.00	5,299.26	523.24	4,465.54	4,314.94	150.60	29.651	
15,300.00	6,227.00	10,999.56	6,227.00	160.84	95.47	-90.00	5,299.26	523.24	4,536.05	4,386.90	149.15	30.413	
15,400.00	6,227.00	10,999.56	6,227.00	162.44	95.47	-90.00	5,299.26	523.24	4,607.65	4,459.92	147.72	31.191	
15,500.00	6,227.00	10,999.56	6,227.00	164.05	95.47	-90.00	5,299.26	523.24	4,680.29	4,533.96	146.33	31.984	
15,600.00	6,227.00	10,999.56	6,227.00	165.66	95.47	-90.00	5,299.26	523.24	4,753.92	4,608.95	144.97	32.792	
15,700.00	6,227.00	10,999.56	6,227.00	167.27	95.47	-90.00	5,299.26	523.24	4,828.50	4,684.86	143.65	33.613	
15,800.00	6,227.00	10,999.56	6,227.00	168.89	95.47	-90.00	5,299.26	523.24	4,903.99	4,761.63	142.36	34.449	
15,900.00	6,227.00	10,999.56	6,227.00	170.51	95.47	-90.00	5,299.26	523.24	4,980.34	4,839.24	141.10	35.297	
16,000.00	6,227.00	10,999.56	6,227.00	172.14	95.47	-90.00	5,299.26	523.24	5,057.52	4,917.64	139.87	36.158	
16,100.00	6,227.00	10,999.56	6,227.00	173.77	95.47	-90.00	5,299.26	523.24	5,135.48	4,996.80	138.68	37.031	
16,200.00	6,227.00	10,999.56	6,227.00	175.40	95.47	-90.00	5,299.26	523.24	5,214.20	5,076.67	137.52	37.916	
16,300.00	6,227.00	10,999.56	6,227.00	177.04	95.47	-90.00	5,299.26	523.24	5,293.63	5,157.24	136.39	38.812	
16,400.00	6,227.00	10,999.56	6,227.00	178.68	95.47	-90.00	5,299.26	523.24	5,373.75	5,238.45	135.30	39.718	
16,500.00	6,227.00	10,999.56	6,227.00	180.32	95.47	-90.00	5,299.26	523.24	5,454.53	5,320.29	134.23	40.635	
16,600.00	6,227.00	10,999.56	6,227.00	181.96	95.47	-90.00	5,299.26	523.24	5,535.93	5,402.73	133.20	41.562	
16,700.00	6,227.00	10,999.56	6,227.00	183.61	95.47	-90.00	5,299.26	523.24	5,617.94	5,485.74	132.19	42.498	
16,800.00	6,227.00	10,999.56	6,227.00	185.27	95.47	-90.00	5,299.26	523.24	5,700.52	5,569.30	131.22	43.443	
16,900.00	6,227.00	10,999.56	6,227.00	186.92	95.47	-90.00	5,299.26	523.24	5,783.65	5,653.37	130.27	44.396	
17,000.00	6,227.00	10,999.56	6,227.00	188.58	95.47	-90.00	5,299.26	523.24	5,867.30	5,737.95	129.35	45.358	
17,100.00	6,227.00	10,999.56	6,227.00	190.24	95.47	-90.00	5,299.26	523.24	5,951.46	5,823.00	128.46	46.328	
17,200.00	6,227.00	10,999.56	6,227.00	191.90	95.47	-90.00	5,299.26	523.24	6,036.11	5,908.51	127.60	47.305	
17,300.00	6,227.00	10,999.56	6,227.00	193.57	95.47	-90.00	5,299.26	523.24	6,121.22	5,994.46	126.76	48.290	
17,348.07	6,227.00	10,999.56	6,227.00	194.37	95.47	-90.00	5,299.26	523.24	6,162.28	6,035.92	126.37	48.765	



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
0.00	0.00	0.00	0.00	0.00	0.00	-96.59	-13.84	-119.83	120.63				
100.00	100.00	100.00	100.00	0.27	0.27	-96.59	-13.84	-119.83	120.63	120.09	0.54	224.338	
200.00	200.00	200.00	200.00	0.63	0.63	-96.59	-13.84	-119.83	120.63	119.37	1.25	96.145 CC, ES	
300.00	299.98	299.98	299.98	0.98	0.99	179.22	-13.84	-119.83	122.37	120.41	1.97	62.238	
400.00	399.84	399.84	399.84	1.34	1.34	179.25	-13.84	-119.83	127.61	124.93	2.68	47.593	
500.00	499.45	499.45	499.45	1.71	1.70	179.29	-13.84	-119.83	136.32	132.92	3.40	40.090	
600.00	598.70	598.70	598.70	2.10	2.06	179.35	-13.84	-119.83	148.51	144.38	4.12	36.030	
700.00	697.47	703.22	703.19	2.51	2.43	179.54	-13.27	-118.06	162.43	157.58	4.85	33.482	
800.00	795.62	808.33	808.15	2.95	2.80	179.97	-11.51	-112.63	176.26	170.68	5.58	31.581	
900.00	893.06	913.96	913.33	3.44	3.18	-179.41	-8.55	-103.48	190.01	183.69	6.32	30.075	
1,000.00	989.64	1,020.10	1,018.59	3.96	3.58	-178.64	-4.37	-90.58	203.66	196.60	7.06	28.842	
1,100.00	1,085.27	1,126.74	1,123.77	4.54	4.00	-177.74	1.04	-73.89	217.23	209.42	7.81	27.802	
1,200.00	1,179.82	1,233.86	1,228.70	5.16	4.46	-176.73	7.68	-53.39	230.73	222.15	8.58	26.905	
1,300.00	1,273.17	1,334.00	1,326.28	5.85	4.91	-175.79	14.61	-31.99	245.43	236.08	9.35	26.238	
1,400.00	1,365.21	1,432.28	1,422.04	6.59	5.37	-175.02	21.42	-10.94	263.57	253.43	10.15	25.972	
1,500.00	1,455.84	1,529.88	1,517.13	7.40	5.83	-174.40	28.19	9.96	285.16	274.21	10.95	26.034	
1,600.00	1,544.94	1,626.68	1,611.45	8.28	6.30	-173.93	34.91	30.69	310.14	298.38	11.77	26.357	
1,700.00	1,632.39	1,722.56	1,704.87	9.23	6.77	-173.57	41.56	51.22	338.48	325.90	12.59	26.888	
1,800.00	1,718.11	1,817.41	1,797.28	10.25	7.24	-173.31	48.14	71.54	370.14	356.72	13.42	27.590	
1,900.00	1,801.97	1,911.10	1,888.57	11.35	7.71	-173.13	54.64	91.60	405.07	390.82	14.25	28.433	
2,005.96	1,888.70	2,009.00	1,983.95	12.60	8.20	-173.01	61.43	112.57	445.59	430.46	15.13	29.453	
2,100.00	1,964.66	2,095.21	2,067.96	13.75	8.64	-173.02	67.41	131.03	483.15	467.24	15.91	30.364	
2,200.00	2,045.44	2,186.89	2,157.28	14.99	9.11	-173.03	73.77	150.67	523.09	506.34	16.75	31.235	
2,300.00	2,126.22	2,278.57	2,246.61	16.24	9.58	-173.04	80.13	170.30	563.03	545.44	17.59	32.013	
2,400.00	2,207.00	2,370.25	2,335.93	17.50	10.05	-173.05	86.49	189.93	602.96	584.53	18.43	32.711	
2,500.00	2,287.78	2,461.93	2,425.26	18.77	10.52	-173.06	92.84	209.57	642.90	623.62	19.28	33.340	
2,600.00	2,368.56	2,553.60	2,514.58	20.04	10.99	-173.07	99.20	229.20	682.84	662.70	20.14	33.910	
2,700.00	2,449.34	2,645.28	2,603.91	21.31	11.46	-173.07	105.56	248.84	722.78	701.79	20.99	34.428	
2,800.00	2,530.12	2,736.96	2,693.23	22.59	11.94	-173.08	111.92	268.47	762.72	740.86	21.85	34.900	
2,900.00	2,610.90	2,828.64	2,782.56	23.88	12.41	-173.09	118.28	288.10	802.66	779.94	22.72	35.333	
3,000.00	2,691.68	2,920.32	2,871.88	25.16	12.89	-173.09	124.64	307.74	842.60	819.01	23.58	35.731	
3,100.00	2,772.46	3,012.00	2,961.21	26.45	13.36	-173.10	131.00	327.37	882.53	858.09	24.45	36.098	
3,200.00	2,853.23	3,103.67	3,050.53	27.74	13.84	-173.10	137.36	347.01	922.47	897.16	25.32	36.437	
3,300.00	2,934.01	3,195.35	3,139.86	29.03	14.32	-173.10	143.72	366.64	962.41	936.22	26.19	36.751	
3,400.00	3,014.79	3,287.03	3,229.18	30.32	14.80	-173.11	150.08	386.27	1,002.35	975.29	27.06	37.043	
3,500.00	3,095.57	3,378.71	3,318.51	31.61	15.28	-173.11	156.44	405.91	1,042.29	1,014.36	27.93	37.315	
3,600.00	3,176.35	3,470.39	3,407.83	32.91	15.76	-173.11	162.79	425.54	1,082.23	1,053.42	28.81	37.569	
3,700.00	3,257.13	3,562.06	3,497.16	34.20	16.23	-173.11	169.15	445.18	1,122.17	1,092.48	29.68	37.806	
3,800.00	3,337.91	3,653.74	3,586.48	35.50	16.71	-173.12	175.51	464.81	1,162.10	1,131.55	30.56	38.029	
3,900.00	3,418.69	3,745.42	3,675.81	36.80	17.19	-173.12	181.87	484.44	1,202.04	1,170.61	31.44	38.238	
4,000.00	3,499.47	3,837.10	3,765.13	38.09	17.67	-173.12	188.23	504.08	1,241.98	1,209.67	32.31	38.434	
4,100.00	3,580.25	3,928.78	3,854.46	39.39	18.16	-173.12	194.59	523.71	1,281.92	1,248.73	33.19	38.620	
4,200.00	3,661.03	4,020.46	3,943.78	40.69	18.64	-173.13	200.95	543.35	1,321.86	1,287.79	34.07	38.795	
4,300.00	3,741.81	4,112.13	4,033.11	41.99	19.12	-173.13	207.31	562.98	1,361.80	1,326.84	34.95	38.960	
4,400.00	3,822.58	4,203.81	4,122.43	43.29	19.60	-173.13	213.67	582.61	1,401.74	1,365.90	35.84	39.116	
4,500.00	3,903.36	4,295.49	4,211.76	44.59	20.08	-173.13	220.03	602.25	1,441.68	1,404.96	36.72	39.265	
4,600.00	3,984.14	4,387.17	4,301.08	45.89	20.56	-173.13	226.39	621.88	1,481.61	1,444.01	37.60	39.405	
4,700.00	4,064.92	4,478.85	4,390.41	47.20	21.04	-173.13	232.75	641.52	1,521.55	1,483.07	38.48	39.539	
4,800.00	4,145.70	4,570.53	4,479.73	48.50	21.52	-173.13	239.10	661.15	1,561.49	1,522.13	39.37	39.666	
4,900.00	4,226.48	4,662.20	4,569.06	49.80	22.01	-173.14	245.46	680.78	1,601.43	1,561.18	40.25	39.788	
5,000.00	4,307.26	4,753.88	4,658.38	51.10	22.49	-173.14	251.82	700.42	1,641.37	1,600.23	41.13	39.903	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,100.00	4,388.04	4,845.56	4,747.71	52.40	22.97	-173.14	258.18	720.05	1,681.31	1,639.29	42.02	40.014	
5,200.00	4,468.82	4,937.24	4,837.03	53.71	23.45	-173.14	264.54	739.69	1,721.25	1,678.34	42.90	40.119	
5,300.00	4,549.60	5,028.92	4,926.36	55.01	23.93	-173.14	270.90	759.32	1,761.18	1,717.39	43.79	40.220	
5,400.00	4,630.38	5,120.60	5,015.68	56.31	24.42	-173.14	277.26	778.95	1,801.12	1,756.45	44.68	40.316	
5,500.00	4,711.16	5,212.27	5,105.01	57.62	24.90	-173.14	283.62	798.59	1,841.06	1,795.50	45.56	40.408	
5,600.00	4,791.93	5,303.95	5,194.33	58.92	25.38	-173.14	289.98	818.22	1,881.00	1,834.55	46.45	40.497	
5,700.00	4,872.71	5,395.63	5,283.66	60.23	25.87	-173.14	296.34	837.86	1,920.94	1,873.60	47.33	40.582	
5,800.00	4,953.49	5,487.31	5,372.98	61.53	26.35	-173.15	302.70	857.49	1,960.88	1,912.65	48.22	40.663	
5,900.00	5,034.27	5,578.99	5,462.31	62.83	26.83	-173.15	309.06	877.12	2,000.82	1,951.71	49.11	40.742	
6,000.00	5,115.05	5,670.67	5,551.63	64.14	27.31	-173.15	315.41	896.76	2,040.75	1,990.76	50.00	40.817	
6,100.00	5,195.83	5,762.34	5,640.96	65.44	27.80	-173.15	321.77	916.39	2,080.69	2,029.81	50.89	40.890	
6,200.00	5,276.61	5,855.07	5,731.26	66.75	28.29	-173.13	328.67	936.25	2,120.63	2,068.84	51.79	40.948	
6,300.00	5,357.39	5,949.61	5,821.74	68.05	28.81	-172.80	346.70	956.42	2,160.46	2,107.63	52.83	40.896	
6,400.00	5,438.17	6,038.29	5,902.84	69.36	29.33	-172.11	377.23	974.83	2,200.36	2,146.39	53.97	40.768	
6,500.00	5,518.95	6,117.91	5,970.90	70.66	29.81	-171.19	415.29	990.58	2,240.78	2,185.63	55.16	40.626	
6,600.00	5,599.73	6,187.23	6,025.44	71.97	30.23	-170.20	456.03	1,003.44	2,282.23	2,225.91	56.32	40.523	
6,700.00	5,680.51	6,250.00	6,070.33	73.27	30.62	-169.15	498.51	1,014.24	2,325.17	2,267.70	57.48	40.455	
6,800.00	5,761.29	6,300.00	6,102.64	74.58	30.93	-168.23	535.81	1,022.17	2,369.96	2,311.50	58.46	40.539	
6,837.84	5,791.85	6,313.61	6,110.88	75.07	31.01	-167.97	546.45	1,024.22	2,387.43	2,328.70	58.74	40.647	
6,850.00	5,801.67	6,318.89	6,114.00	75.23	31.05	-165.58	550.63	1,025.00	2,393.10	2,334.26	58.84	40.670	
6,900.00	5,841.80	6,340.90	6,126.62	75.88	31.18	-155.95	568.38	1,028.18	2,416.38	2,357.10	59.27	40.768	
6,950.00	5,881.33	6,363.34	6,138.80	76.52	31.33	-146.84	586.98	1,031.27	2,439.42	2,379.73	59.69	40.869	
7,000.00	5,919.97	6,386.18	6,150.44	77.14	31.47	-138.40	606.39	1,034.27	2,462.03	2,401.94	60.09	40.971	
7,050.00	5,957.41	6,400.00	6,157.12	77.74	31.56	-130.86	618.37	1,036.01	2,484.02	2,423.76	60.25	41.226	
7,100.00	5,993.37	6,432.87	6,171.84	78.32	31.78	-123.88	647.49	1,039.92	2,505.10	2,444.26	60.84	41.174	
7,150.00	6,027.59	6,450.00	6,178.86	78.86	31.89	-117.87	663.00	1,041.81	2,525.21	2,464.20	61.02	41.385	
7,200.00	6,059.79	6,480.70	6,190.29	79.36	32.09	-112.47	691.31	1,044.98	2,544.10	2,482.60	61.50	41.366	
7,250.00	6,089.73	6,500.00	6,196.71	79.83	32.22	-107.88	709.42	1,046.81	2,561.67	2,500.01	61.67	41.540	
7,300.00	6,117.20	6,529.43	6,205.34	80.25	32.42	-103.84	737.44	1,049.36	2,577.74	2,515.68	62.06	41.534	
7,350.00	6,141.96	6,550.00	6,210.52	80.63	32.56	-100.46	757.28	1,050.96	2,592.22	2,530.02	62.20	41.677	
7,400.00	6,163.85	6,578.85	6,216.62	80.98	32.76	-97.58	785.40	1,052.95	2,604.96	2,542.44	62.52	41.664	
7,450.00	6,182.69	6,600.00	6,220.21	81.28	32.91	-95.23	806.21	1,054.23	2,615.90	2,553.27	62.62	41.773	
7,500.00	6,198.33	6,628.74	6,223.87	81.54	33.11	-93.32	834.67	1,055.71	2,624.92	2,562.02	62.90	41.732	
7,550.00	6,210.67	6,650.00	6,225.68	81.77	33.26	-91.88	855.83	1,056.60	2,632.00	2,569.03	62.97	41.800	
7,600.00	6,219.60	6,678.90	6,226.91	81.96	33.47	-90.83	884.69	1,057.55	2,637.04	2,573.81	63.22	41.710	
7,650.00	6,225.05	6,718.38	6,227.00	82.11	33.76	-90.19	924.15	1,058.51	2,639.95	2,576.19	63.75	41.408	
7,702.53	6,227.00	6,770.84	6,227.00	82.24	34.16	-90.00	976.61	1,059.76	2,640.30	2,575.67	64.63	40.851	
7,800.00	6,227.00	6,868.30	6,227.00	82.45	34.96	-90.00	1,074.03	1,062.07	2,638.33	2,571.95	66.38	39.748	
7,900.00	6,227.00	6,968.28	6,227.00	82.68	35.85	-90.00	1,173.98	1,064.44	2,636.31	2,568.01	68.30	38.600	
8,000.00	6,227.00	7,068.26	6,227.00	82.93	36.80	-90.00	1,273.94	1,066.81	2,634.29	2,563.94	70.34	37.449	
8,100.00	6,227.00	7,168.24	6,227.00	83.20	37.82	-90.00	1,373.89	1,069.18	2,632.27	2,559.76	72.50	36.305	
8,200.00	6,227.00	7,268.22	6,227.00	83.49	38.90	-90.00	1,473.84	1,071.56	2,630.25	2,555.48	74.77	35.179	
8,300.00	6,227.00	7,368.20	6,227.00	83.80	40.02	-90.00	1,573.79	1,073.93	2,628.23	2,551.10	77.13	34.077	
8,400.00	6,227.00	7,468.18	6,227.00	84.12	41.20	-90.00	1,673.74	1,076.30	2,626.20	2,546.63	79.57	33.004	
8,500.00	6,227.00	7,568.16	6,227.00	84.47	42.41	-90.00	1,773.69	1,078.67	2,624.18	2,542.09	82.10	31.965	
8,600.00	6,227.00	7,668.14	6,227.00	84.83	43.67	-90.00	1,873.64	1,081.04	2,622.16	2,537.47	84.69	30.962	
8,700.00	6,227.00	7,768.12	6,227.00	85.22	44.97	-90.00	1,973.60	1,083.41	2,620.14	2,532.79	87.35	29.995	
8,800.00	6,227.00	7,868.10	6,227.00	85.62	46.29	-90.00	2,073.55	1,085.79	2,618.12	2,528.05	90.07	29.067	
8,900.00	6,227.00	7,968.08	6,227.00	86.05	47.65	-90.00	2,173.50	1,088.16	2,616.10	2,523.26	92.85	28.177	
9,000.00	6,227.00	8,068.05	6,227.00	86.51	49.04	-90.00	2,273.45	1,090.53	2,614.08	2,518.41	95.67	27.324	
9,100.00	6,227.00	8,168.03	6,227.00	86.98	50.45	-90.00	2,373.40	1,092.90	2,612.06	2,513.52	98.54	26.507	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,200.00	6,227.00	8,268.01	6,227.00	87.49	51.88	-90.00	2,473.35	1,095.27	2,610.04	2,508.59	101.45	25.727	
9,300.00	6,227.00	8,367.99	6,227.00	88.01	53.33	-90.00	2,573.30	1,097.65	2,608.02	2,503.62	104.40	24.980	
9,400.00	6,227.00	8,467.97	6,227.00	88.56	54.81	-90.00	2,673.26	1,100.02	2,606.00	2,498.61	107.39	24.267	
9,500.00	6,227.00	8,567.95	6,227.00	89.14	56.30	-90.00	2,773.21	1,102.39	2,603.98	2,493.57	110.41	23.585	
9,600.00	6,227.00	8,667.93	6,227.00	89.75	57.80	-90.00	2,873.16	1,104.76	2,601.96	2,488.50	113.45	22.934	
9,700.00	6,227.00	8,767.91	6,227.00	90.38	59.32	-90.00	2,973.11	1,107.13	2,599.94	2,483.41	116.53	22.311	
9,800.00	6,227.00	8,867.89	6,227.00	91.04	60.86	-90.00	3,073.06	1,109.51	2,597.92	2,478.29	119.63	21.716	
9,900.00	6,227.00	8,967.87	6,227.00	91.73	62.41	-90.00	3,173.01	1,111.88	2,595.90	2,473.14	122.75	21.147	
10,000.00	6,227.00	9,067.85	6,227.00	92.44	63.97	-90.00	3,272.96	1,114.25	2,593.87	2,467.97	125.90	20.603	
10,100.00	6,227.00	9,167.83	6,227.00	93.19	65.54	-90.00	3,372.92	1,116.62	2,591.85	2,462.79	129.07	20.081	
10,200.00	6,227.00	9,267.81	6,227.00	93.96	67.12	-90.00	3,472.87	1,118.99	2,589.83	2,457.58	132.25	19.583	
10,300.00	6,227.00	9,367.79	6,227.00	94.76	68.71	-90.00	3,572.82	1,121.36	2,587.81	2,452.36	135.45	19.105	
10,400.00	6,227.00	9,467.77	6,227.00	95.59	70.31	-90.00	3,672.77	1,123.74	2,585.79	2,447.12	138.67	18.647	
10,500.00	6,227.00	9,567.75	6,227.00	96.45	71.91	-90.00	3,772.72	1,126.11	2,583.77	2,441.86	141.91	18.207	
10,600.00	6,227.00	9,667.73	6,227.00	97.34	73.53	-90.00	3,872.67	1,128.48	2,581.75	2,436.60	145.16	17.786	
10,700.00	6,227.00	9,767.71	6,227.00	98.26	75.15	-90.00	3,972.63	1,130.85	2,579.73	2,431.31	148.42	17.382	
10,800.00	6,227.00	9,867.69	6,227.00	99.20	76.78	-90.00	4,072.58	1,133.22	2,577.71	2,426.02	151.69	16.993	
10,900.00	6,227.00	9,967.67	6,227.00	100.18	78.41	-90.00	4,172.53	1,135.60	2,575.69	2,420.71	154.98	16.620	
11,000.00	6,227.00	10,067.65	6,227.00	101.18	80.05	-90.00	4,272.48	1,137.97	2,573.67	2,415.40	158.27	16.261	
11,100.00	6,227.00	10,167.63	6,227.00	102.20	81.70	-90.00	4,372.43	1,140.34	2,571.65	2,410.07	161.58	15.916	
11,200.00	6,227.00	10,267.61	6,227.00	103.26	83.35	-90.00	4,472.38	1,142.71	2,569.63	2,404.73	164.89	15.583	
11,300.00	6,227.00	10,367.59	6,227.00	104.33	85.00	-90.00	4,572.33	1,145.08	2,567.61	2,399.39	168.22	15.263	
11,400.00	6,227.00	10,467.56	6,227.00	105.44	86.66	-90.00	4,672.29	1,147.46	2,565.59	2,394.03	171.55	14.955	
11,500.00	6,227.00	10,567.54	6,227.00	106.57	88.32	-90.00	4,772.24	1,149.83	2,563.57	2,388.67	174.90	14.658	
11,600.00	6,227.00	10,667.52	6,227.00	107.72	89.99	-90.00	4,872.19	1,152.20	2,561.54	2,383.30	178.24	14.371	
11,700.00	6,227.00	10,767.50	6,227.00	108.89	91.66	-90.00	4,972.14	1,154.57	2,559.52	2,377.92	181.60	14.094	
11,800.00	6,227.00	10,867.48	6,227.00	110.09	93.34	-90.00	5,072.09	1,156.94	2,557.50	2,372.54	184.96	13.827	
11,900.00	6,227.00	10,967.46	6,227.00	111.31	95.02	-90.00	5,172.04	1,159.31	2,555.48	2,367.15	188.33	13.569	
12,000.00	6,227.00	11,067.44	6,227.00	112.54	96.70	-90.00	5,271.99	1,161.69	2,553.46	2,361.75	191.71	13.319	
12,081.47	6,227.00	11,097.28	6,227.00	113.57	97.20	-90.00	5,301.83	1,162.39	2,552.34	2,360.07	192.27	13.275 SF	
12,100.00	6,227.00	11,097.28	6,227.00	113.80	97.20	-90.00	5,301.83	1,162.39	2,552.41	2,360.31	192.09	13.288	
12,200.00	6,227.00	11,097.28	6,227.00	115.08	97.20	-90.00	5,301.83	1,162.39	2,555.09	2,364.07	191.02	13.376	
12,300.00	6,227.00	11,097.28	6,227.00	116.37	97.20	-90.00	5,301.83	1,162.39	2,561.68	2,371.94	189.73	13.501	
12,400.00	6,227.00	11,097.28	6,227.00	117.69	97.20	-90.00	5,301.83	1,162.39	2,572.14	2,383.88	188.26	13.663	
12,500.00	6,227.00	11,097.28	6,227.00	119.02	97.20	-90.00	5,301.83	1,162.39	2,586.43	2,399.83	186.60	13.860	
12,600.00	6,227.00	11,097.28	6,227.00	120.36	97.20	-90.00	5,301.83	1,162.39	2,604.48	2,419.70	184.78	14.095	
12,700.00	6,227.00	11,097.28	6,227.00	121.72	97.20	-90.00	5,301.83	1,162.39	2,626.22	2,443.41	182.81	14.366	
12,800.00	6,227.00	11,097.28	6,227.00	123.10	97.20	-90.00	5,301.83	1,162.39	2,651.56	2,470.85	180.71	14.673	
12,900.00	6,227.00	11,097.28	6,227.00	124.49	97.20	-90.00	5,301.83	1,162.39	2,680.39	2,501.90	178.49	15.017	
13,000.00	6,227.00	11,097.28	6,227.00	125.89	97.20	-90.00	5,301.83	1,162.39	2,712.60	2,536.42	176.18	15.397	
13,100.00	6,227.00	11,097.28	6,227.00	127.31	97.20	-90.00	5,301.83	1,162.39	2,748.07	2,574.28	173.80	15.812	
13,200.00	6,227.00	11,097.28	6,227.00	128.74	97.20	-90.00	5,301.83	1,162.39	2,786.69	2,615.33	171.36	16.262	
13,300.00	6,227.00	11,097.28	6,227.00	130.18	97.20	-90.00	5,301.83	1,162.39	2,828.31	2,659.43	168.88	16.747	
13,400.00	6,227.00	11,097.28	6,227.00	131.63	97.20	-90.00	5,301.83	1,162.39	2,872.81	2,706.43	166.38	17.267	
13,500.00	6,227.00	11,097.28	6,227.00	133.09	97.20	-90.00	5,301.83	1,162.39	2,920.06	2,756.19	163.87	17.819	
13,600.00	6,227.00	11,097.28	6,227.00	134.57	97.20	-90.00	5,301.83	1,162.39	2,969.93	2,808.56	161.37	18.405	
13,700.00	6,227.00	11,097.28	6,227.00	136.05	97.20	-90.00	5,301.83	1,162.39	3,022.28	2,863.40	158.89	19.022	
13,800.00	6,227.00	11,097.28	6,227.00	137.54	97.20	-90.00	5,301.83	1,162.39	3,077.00	2,920.56	156.43	19.670	
13,900.00	6,227.00	11,097.28	6,227.00	139.05	97.20	-90.00	5,301.83	1,162.39	3,133.95	2,979.93	154.02	20.348	
14,000.00	6,227.00	11,097.28	6,227.00	140.56	97.20	-90.00	5,301.83	1,162.39	3,193.01	3,041.37	151.65	21.056	
14,100.00	6,227.00	11,097.28	6,227.00	142.07	97.20	-90.00	5,301.83	1,162.39	3,254.08	3,104.75	149.33	21.791	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-03 - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,200.00	6,227.00	11,097.28	6,227.00	143.60	97.20	-90.00	5,301.83	1,162.39	3,317.04	3,169.97	147.07	22.554	
14,300.00	6,227.00	11,097.28	6,227.00	145.14	97.20	-90.00	5,301.83	1,162.39	3,381.78	3,236.91	144.87	23.343	
14,400.00	6,227.00	11,097.28	6,227.00	146.68	97.20	-90.00	5,301.83	1,162.39	3,448.21	3,305.48	142.74	24.158	
14,500.00	6,227.00	11,097.28	6,227.00	148.23	97.20	-90.00	5,301.83	1,162.39	3,516.23	3,375.56	140.67	24.996	
14,600.00	6,227.00	11,097.28	6,227.00	149.78	97.20	-90.00	5,301.83	1,162.39	3,585.75	3,447.08	138.67	25.858	
14,700.00	6,227.00	11,097.28	6,227.00	151.35	97.20	-90.00	5,301.83	1,162.39	3,656.68	3,519.94	136.74	26.741	
14,800.00	6,227.00	11,097.28	6,227.00	152.91	97.20	-90.00	5,301.83	1,162.39	3,728.95	3,594.06	134.88	27.646	
14,900.00	6,227.00	11,097.28	6,227.00	154.49	97.20	-90.00	5,301.83	1,162.39	3,802.47	3,669.37	133.09	28.570	
15,000.00	6,227.00	11,097.28	6,227.00	156.07	97.20	-90.00	5,301.83	1,162.39	3,877.17	3,745.80	131.37	29.513	
15,100.00	6,227.00	11,097.28	6,227.00	157.65	97.20	-90.00	5,301.83	1,162.39	3,953.00	3,823.28	129.72	30.474	
15,200.00	6,227.00	11,097.28	6,227.00	159.24	97.20	-90.00	5,301.83	1,162.39	4,029.87	3,901.75	128.13	31.452	
15,300.00	6,227.00	11,097.28	6,227.00	160.84	97.20	-90.00	5,301.83	1,162.39	4,107.75	3,981.14	126.61	32.445	
15,400.00	6,227.00	11,097.28	6,227.00	162.44	97.20	-90.00	5,301.83	1,162.39	4,186.56	4,061.42	125.15	33.453	
15,500.00	6,227.00	11,097.28	6,227.00	164.05	97.20	-90.00	5,301.83	1,162.39	4,266.27	4,142.52	123.75	34.475	
15,600.00	6,227.00	11,097.28	6,227.00	165.66	97.20	-90.00	5,301.83	1,162.39	4,346.81	4,224.40	122.41	35.510	
15,700.00	6,227.00	11,097.28	6,227.00	167.27	97.20	-90.00	5,301.83	1,162.39	4,428.14	4,307.01	121.13	36.557	
15,800.00	6,227.00	11,097.28	6,227.00	168.89	97.20	-90.00	5,301.83	1,162.39	4,510.23	4,390.32	119.91	37.615	
15,900.00	6,227.00	11,097.28	6,227.00	170.51	97.20	-90.00	5,301.83	1,162.39	4,593.03	4,474.29	118.73	38.683	
16,000.00	6,227.00	11,097.28	6,227.00	172.14	97.20	-90.00	5,301.83	1,162.39	4,676.49	4,558.88	117.62	39.761	
16,100.00	6,227.00	11,097.28	6,227.00	173.77	97.20	-90.00	5,301.83	1,162.39	4,760.60	4,644.05	116.55	40.847	
16,200.00	6,227.00	11,097.28	6,227.00	175.40	97.20	-90.00	5,301.83	1,162.39	4,845.31	4,729.78	115.53	41.941	
16,300.00	6,227.00	11,097.28	6,227.00	177.04	97.20	-90.00	5,301.83	1,162.39	4,930.59	4,816.04	114.55	43.042	
16,400.00	6,227.00	11,097.28	6,227.00	178.68	97.20	-90.00	5,301.83	1,162.39	5,016.42	4,902.79	113.62	44.149	
16,500.00	6,227.00	11,097.28	6,227.00	180.32	97.20	-90.00	5,301.83	1,162.39	5,102.76	4,990.02	112.74	45.262	
16,600.00	6,227.00	11,097.28	6,227.00	181.96	97.20	-90.00	5,301.83	1,162.39	5,189.59	5,077.70	111.89	46.381	
16,700.00	6,227.00	11,097.28	6,227.00	183.61	97.20	-90.00	5,301.83	1,162.39	5,276.89	5,165.81	111.08	47.503	
16,800.00	6,227.00	11,097.28	6,227.00	185.27	97.20	-90.00	5,301.83	1,162.39	5,364.63	5,254.32	110.32	48.630	
16,900.00	6,227.00	11,097.28	6,227.00	186.92	97.20	-90.00	5,301.83	1,162.39	5,452.80	5,343.22	109.58	49.760	
17,000.00	6,227.00	11,097.28	6,227.00	188.58	97.20	-90.00	5,301.83	1,162.39	5,541.37	5,432.48	108.88	50.893	
17,100.00	6,227.00	11,097.28	6,227.00	190.24	97.20	-90.00	5,301.83	1,162.39	5,630.31	5,522.10	108.22	52.028	
17,200.00	6,227.00	11,097.28	6,227.00	191.90	97.20	-90.00	5,301.83	1,162.39	5,719.63	5,612.05	107.58	53.165	
17,300.00	6,227.00	11,097.28	6,227.00	193.57	97.20	-90.00	5,301.83	1,162.39	5,809.29	5,702.31	106.98	54.303	
17,348.07	6,227.00	11,097.28	6,227.00	194.37	97.20	-90.00	5,301.83	1,162.39	5,852.51	5,745.81	106.70	54.851	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-105.75	-33.88	-120.11	124.80				
100.00	100.00	100.00	100.00	0.27	0.27	-105.75	-33.88	-120.11	124.80	124.26	0.54	232.093	
200.00	200.00	200.00	200.00	0.63	0.63	-105.75	-33.88	-120.11	124.80	123.54	1.25	99.469 CC, ES	
300.00	299.98	299.98	299.98	0.98	0.99	170.17	-33.88	-120.11	126.52	124.55	1.97	64.345	
400.00	399.84	399.84	399.84	1.34	1.34	170.54	-33.88	-120.11	131.68	129.00	2.68	49.108	
500.00	499.45	499.45	499.45	1.71	1.70	171.10	-33.88	-120.11	140.28	136.88	3.40	41.245	
600.00	598.70	604.20	604.17	2.10	2.07	171.80	-33.47	-118.26	150.54	146.41	4.13	36.465	
700.00	697.47	709.38	709.19	2.51	2.44	172.57	-32.21	-112.65	160.62	155.76	4.86	33.077	
800.00	795.62	814.97	814.33	2.95	2.83	173.40	-30.09	-103.23	170.50	164.92	5.59	30.508	
900.00	893.06	920.95	919.43	3.44	3.23	174.27	-27.12	-89.99	180.21	173.88	6.33	28.478	
1,000.00	989.64	1,027.32	1,024.35	3.96	3.66	175.20	-23.28	-72.89	189.72	182.65	7.07	26.824	
1,100.00	1,085.27	1,134.07	1,128.91	4.54	4.12	176.17	-18.57	-51.92	199.04	191.21	7.83	25.430	
1,200.00	1,179.82	1,241.20	1,232.96	5.16	4.62	177.18	-12.99	-27.08	208.17	199.59	8.58	24.265	
1,300.00	1,273.17	1,348.69	1,336.33	5.85	5.17	178.23	-6.54	1.65	217.12	207.77	9.35	23.223	
1,400.00	1,365.21	1,456.53	1,438.86	6.59	5.78	179.32	0.79	34.26	225.87	215.75	10.13	22.302	
1,500.00	1,455.84	1,557.19	1,533.79	7.40	6.39	-179.68	8.12	66.91	235.81	224.86	10.95	21.540	
1,600.00	1,544.94	1,656.21	1,627.16	8.28	7.01	-178.78	15.35	99.07	249.23	237.44	11.79	21.142	
1,700.00	1,632.39	1,754.70	1,720.03	9.23	7.63	-177.99	22.53	131.06	266.16	253.51	12.64	21.050	
1,800.00	1,718.11	1,852.54	1,812.30	10.25	8.27	-177.32	29.67	162.84	286.55	273.03	13.51	21.206	
1,900.00	1,801.97	1,949.62	1,903.84	11.35	8.91	-176.76	36.75	194.37	310.37	295.98	14.39	21.566	
2,005.96	1,888.70	2,051.52	1,999.92	12.60	9.59	-176.29	44.18	227.47	339.31	323.97	15.33	22.130	
2,100.00	1,964.66	2,141.47	2,084.75	13.75	10.19	-175.98	50.75	256.68	366.67	350.50	16.17	22.672	
2,200.00	2,045.44	2,237.13	2,174.95	14.99	10.83	-175.70	57.72	287.75	395.77	378.70	17.07	23.183	
2,300.00	2,126.22	2,332.78	2,265.15	16.24	11.48	-175.46	64.70	318.82	424.89	406.91	17.98	23.634	
2,400.00	2,207.00	2,428.44	2,355.34	17.50	12.13	-175.25	71.68	349.89	454.00	435.11	18.89	24.034	
2,500.00	2,287.78	2,524.09	2,445.54	18.77	12.78	-175.06	78.66	380.95	483.13	463.32	19.81	24.390	
2,600.00	2,368.56	2,619.74	2,535.74	20.04	13.44	-174.90	85.64	412.02	512.25	491.52	20.73	24.708	
2,700.00	2,449.34	2,715.40	2,625.94	21.31	14.10	-174.75	92.62	443.09	541.39	519.73	21.66	24.995	
2,800.00	2,530.12	2,811.05	2,716.14	22.59	14.75	-174.62	99.59	474.16	570.52	547.93	22.59	25.254	
2,900.00	2,610.90	2,906.71	2,806.34	23.88	15.41	-174.50	106.57	505.23	599.66	576.13	23.53	25.488	
3,000.00	2,691.68	3,002.36	2,896.54	25.16	16.08	-174.39	113.55	536.29	628.79	604.33	24.46	25.702	
3,100.00	2,772.46	3,098.01	2,986.73	26.45	16.74	-174.29	120.53	567.36	657.93	632.53	25.41	25.897	
3,200.00	2,853.23	3,193.67	3,076.93	27.74	17.40	-174.20	127.51	598.43	687.08	660.73	26.35	26.077	
3,300.00	2,934.01	3,289.32	3,167.13	29.03	18.06	-174.12	134.49	629.50	716.22	688.93	27.29	26.241	
3,400.00	3,014.79	3,384.98	3,257.33	30.32	18.73	-174.04	141.46	660.57	745.36	717.12	28.24	26.393	
3,500.00	3,095.57	3,480.63	3,347.53	31.61	19.39	-173.97	148.44	691.64	774.51	745.32	29.19	26.534	
3,600.00	3,176.35	3,576.28	3,437.73	32.91	20.06	-173.90	155.42	722.70	803.66	773.52	30.14	26.664	
3,700.00	3,257.13	3,671.94	3,527.93	34.20	20.73	-173.84	162.40	753.77	832.81	801.71	31.09	26.785	
3,800.00	3,337.91	3,767.59	3,618.12	35.50	21.39	-173.79	169.38	784.84	861.95	829.91	32.05	26.898	
3,900.00	3,418.69	3,863.25	3,708.32	36.80	22.06	-173.73	176.35	815.91	891.10	858.10	33.00	27.003	
4,000.00	3,499.47	3,958.90	3,798.52	38.09	22.73	-173.68	183.33	846.98	920.25	886.30	33.96	27.101	
4,100.00	3,580.25	4,054.55	3,888.72	39.39	23.40	-173.64	190.31	878.04	949.40	914.49	34.91	27.194	
4,200.00	3,661.03	4,150.21	3,978.92	40.69	24.07	-173.59	197.29	909.11	978.56	942.69	35.87	27.281	
4,300.00	3,741.81	4,245.86	4,069.12	41.99	24.73	-173.55	204.27	940.18	1,007.71	970.88	36.83	27.362	
4,400.00	3,822.58	4,341.52	4,159.32	43.29	25.40	-173.51	211.25	971.25	1,036.86	999.07	37.79	27.439	
4,500.00	3,903.36	4,437.17	4,249.51	44.59	26.07	-173.47	218.22	1,002.32	1,066.01	1,027.26	38.75	27.511	
4,600.00	3,984.14	4,532.83	4,339.71	45.89	26.74	-173.44	225.20	1,033.38	1,095.16	1,055.46	39.71	27.580	
4,700.00	4,064.92	4,628.48	4,429.91	47.20	27.41	-173.41	232.18	1,064.45	1,124.32	1,083.65	40.67	27.645	
4,800.00	4,145.70	4,724.13	4,520.11	48.50	28.08	-173.37	239.16	1,095.52	1,153.47	1,111.84	41.63	27.706	
4,900.00	4,226.48	4,819.79	4,610.31	49.80	28.75	-173.34	246.14	1,126.59	1,182.63	1,140.03	42.59	27.765	
5,000.00	4,307.26	4,915.44	4,700.51	51.10	29.42	-173.32	253.11	1,157.66	1,211.78	1,168.22	43.56	27.820	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	4,388.04	5,011.10	4,790.71	52.40	30.09	-173.29	260.09	1,188.72	1,240.93	1,196.41	44.52	27.873		
5,200.00	4,468.82	5,106.75	4,880.90	53.71	30.76	-173.26	267.07	1,219.79	1,270.09	1,224.60	45.49	27.923		
5,300.00	4,549.60	5,202.40	4,971.10	55.01	31.43	-173.24	274.05	1,250.86	1,299.24	1,252.79	46.45	27.971		
5,400.00	4,630.38	5,298.06	5,061.30	56.31	32.10	-173.21	281.03	1,281.93	1,328.40	1,280.98	47.42	28.016		
5,500.00	4,711.16	5,393.71	5,151.50	57.62	32.78	-173.19	288.01	1,313.00	1,357.55	1,309.17	48.38	28.060		
5,600.00	4,791.93	5,489.37	5,241.70	58.92	33.45	-173.17	294.98	1,344.06	1,386.71	1,337.36	49.35	28.101		
5,700.00	4,872.71	5,585.02	5,331.90	60.23	34.12	-173.15	301.96	1,375.13	1,415.86	1,365.55	50.31	28.141		
5,800.00	4,953.49	5,680.67	5,422.10	61.53	34.79	-173.13	308.94	1,406.20	1,445.02	1,393.74	51.28	28.179		
5,900.00	5,034.27	5,776.33	5,512.30	62.83	35.46	-173.11	315.92	1,437.27	1,474.18	1,421.93	52.25	28.216		
6,000.00	5,115.05	5,871.98	5,602.49	64.14	36.13	-173.09	322.90	1,468.34	1,503.33	1,450.12	53.21	28.251		
6,100.00	5,195.83	5,967.64	5,692.69	65.44	36.80	-173.07	329.87	1,499.41	1,532.49	1,478.31	54.18	28.285		
6,200.00	5,276.61	6,063.44	5,782.72	66.75	37.48	-172.95	339.75	1,530.48	1,561.64	1,506.44	55.20	28.292		
6,300.00	5,357.39	6,156.21	5,867.39	68.05	38.16	-172.30	363.08	1,560.05	1,590.89	1,534.47	56.42	28.198		
6,400.00	5,438.17	6,241.50	5,941.08	69.36	38.78	-171.25	397.04	1,586.10	1,620.70	1,562.90	57.80	28.039		
6,500.00	5,518.95	6,316.96	6,001.59	70.66	39.32	-170.00	436.46	1,607.76	1,651.77	1,592.51	59.26	27.872		
6,600.00	5,599.73	6,382.02	6,049.40	71.97	39.77	-168.69	476.98	1,625.10	1,684.78	1,624.08	60.71	27.753		
6,700.00	5,680.51	6,437.36	6,086.39	73.27	40.15	-167.44	515.80	1,638.70	1,720.34	1,658.29	62.05	27.726		
6,800.00	5,761.29	6,484.17	6,114.78	74.58	40.46	-166.28	551.47	1,649.27	1,758.84	1,695.61	63.22	27.819		
6,837.84	5,791.85	6,500.00	6,123.74	75.07	40.56	-165.88	564.08	1,652.64	1,774.23	1,710.61	63.62	27.890		
6,850.00	5,801.67	6,500.00	6,123.74	75.23	40.56	-163.67	564.08	1,652.64	1,779.27	1,715.68	63.59	27.982		
6,900.00	5,841.80	6,525.41	6,137.42	75.88	40.73	-154.19	584.85	1,657.82	1,799.96	1,735.76	64.20	28.037		
6,950.00	5,881.33	6,550.00	6,149.81	76.52	40.89	-145.24	605.56	1,662.55	1,820.57	1,755.84	64.73	28.126		
7,000.00	5,919.97	6,567.74	6,158.21	77.14	40.99	-137.11	620.83	1,665.79	1,840.84	1,775.87	64.97	28.335		
7,050.00	5,957.41	6,600.00	6,172.34	77.74	41.20	-129.47	649.31	1,671.31	1,860.65	1,795.01	65.64	28.348		
7,100.00	5,993.37	6,611.38	6,176.95	78.32	41.27	-122.98	659.55	1,673.13	1,879.64	1,814.13	65.51	28.690		
7,150.00	6,027.59	6,633.60	6,185.40	78.86	41.40	-117.07	679.82	1,676.51	1,897.80	1,832.09	65.70	28.884		
7,200.00	6,059.79	6,650.00	6,191.16	79.36	41.50	-111.97	695.00	1,678.84	1,914.92	1,849.30	65.62	29.183		
7,250.00	6,089.73	6,678.67	6,200.22	79.83	41.67	-107.38	721.94	1,682.58	1,930.82	1,864.90	65.92	29.292		
7,300.00	6,117.20	6,700.00	6,206.12	80.25	41.80	-103.51	742.28	1,685.09	1,945.40	1,879.51	65.89	29.525		
7,350.00	6,141.96	6,724.42	6,212.00	80.63	41.94	-100.18	765.84	1,687.66	1,958.54	1,892.61	65.93	29.707		
7,400.00	6,163.85	6,750.00	6,217.13	80.98	42.09	-97.37	790.79	1,690.01	1,970.13	1,904.17	65.96	29.868		
7,450.00	6,182.69	6,770.66	6,220.49	81.28	42.20	-95.09	811.11	1,691.64	1,980.07	1,914.28	65.78	30.100		
7,500.00	6,198.33	6,800.00	6,224.08	81.54	42.37	-93.21	840.16	1,693.56	1,988.31	1,922.43	65.88	30.180		
7,550.00	6,210.67	6,817.23	6,225.52	81.77	42.46	-91.83	857.30	1,694.46	1,994.74	1,929.20	65.54	30.436		
7,600.00	6,219.60	6,850.00	6,226.93	81.96	42.65	-90.79	890.01	1,695.72	1,999.39	1,933.67	65.72	30.421		
7,650.00	6,225.05	6,868.98	6,227.00	82.11	42.75	-90.20	908.99	1,696.20	2,002.08	1,936.64	65.44	30.593		
7,702.53	6,227.00	6,921.45	6,227.00	82.24	43.04	-90.00	961.44	1,697.44	2,002.43	1,936.15	66.28	30.210		
7,800.00	6,227.00	7,018.90	6,227.00	82.45	43.62	-90.00	1,058.87	1,699.75	2,000.47	1,932.49	67.97	29.431		
7,900.00	6,227.00	7,118.88	6,227.00	82.68	44.27	-90.00	1,158.82	1,702.12	1,998.45	1,928.61	69.84	28.615		
8,000.00	6,227.00	7,218.86	6,227.00	82.93	44.98	-90.00	1,258.77	1,704.49	1,996.43	1,924.60	71.83	27.794		
8,100.00	6,227.00	7,318.84	6,227.00	83.20	45.74	-90.00	1,358.72	1,706.86	1,994.41	1,920.47	73.94	26.975		
8,200.00	6,227.00	7,418.82	6,227.00	83.49	46.55	-90.00	1,458.67	1,709.23	1,992.39	1,916.24	76.15	26.165		
8,300.00	6,227.00	7,518.80	6,227.00	83.80	47.41	-90.00	1,558.63	1,711.60	1,990.37	1,911.92	78.46	25.369		
8,400.00	6,227.00	7,618.78	6,227.00	84.12	48.33	-90.00	1,658.58	1,713.97	1,988.35	1,907.50	80.85	24.592		
8,500.00	6,227.00	7,718.76	6,227.00	84.47	49.29	-90.00	1,758.53	1,716.34	1,986.33	1,903.00	83.33	23.837		
8,600.00	6,227.00	7,818.74	6,227.00	84.83	50.30	-90.00	1,858.48	1,718.71	1,984.31	1,898.43	85.88	23.105		
8,700.00	6,227.00	7,918.72	6,227.00	85.22	51.35	-90.00	1,958.43	1,721.08	1,982.30	1,893.79	88.50	22.399		
8,800.00	6,227.00	8,018.70	6,227.00	85.62	52.45	-90.00	2,058.38	1,723.45	1,980.28	1,889.09	91.18	21.718		
8,900.00	6,227.00	8,118.68	6,227.00	86.05	53.59	-90.00	2,158.34	1,725.82	1,978.26	1,884.34	93.92	21.064		
9,000.00	6,227.00	8,218.66	6,227.00	86.51	54.76	-90.00	2,258.29	1,728.19	1,976.24	1,879.53	96.71	20.435		
9,100.00	6,227.00	8,318.64	6,227.00	86.98	55.97	-90.00	2,358.24	1,730.56	1,974.22	1,874.68	99.54	19.833		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,200.00	6,227.00	8,418.62	6,227.00	87.49	57.21	-90.00	2,458.19	1,732.93	1,972.20	1,869.78	102.42	19.255	
9,300.00	6,227.00	8,518.60	6,227.00	88.01	58.48	-90.00	2,558.14	1,735.30	1,970.18	1,864.84	105.34	18.703	
9,400.00	6,227.00	8,618.58	6,227.00	88.56	59.78	-90.00	2,658.09	1,737.67	1,968.16	1,859.86	108.30	18.173	
9,500.00	6,227.00	8,718.56	6,227.00	89.14	61.11	-90.00	2,758.04	1,740.04	1,966.14	1,854.85	111.29	17.667	
9,600.00	6,227.00	8,818.54	6,227.00	89.75	62.46	-90.00	2,858.00	1,742.41	1,964.12	1,849.81	114.31	17.182	
9,700.00	6,227.00	8,918.52	6,227.00	90.38	63.83	-90.00	2,957.95	1,744.78	1,962.10	1,844.74	117.36	16.719	
9,800.00	6,227.00	9,018.50	6,227.00	91.04	65.23	-90.00	3,057.90	1,747.16	1,960.09	1,839.65	120.44	16.275	
9,900.00	6,227.00	9,118.48	6,227.00	91.73	66.64	-90.00	3,157.85	1,749.53	1,958.07	1,834.53	123.54	15.850	
10,000.00	6,227.00	9,218.46	6,227.00	92.44	68.07	-90.00	3,257.80	1,751.90	1,956.05	1,829.38	126.66	15.443	
10,100.00	6,227.00	9,318.44	6,227.00	93.19	69.53	-90.00	3,357.75	1,754.27	1,954.03	1,824.22	129.81	15.053	
10,200.00	6,227.00	9,418.42	6,227.00	93.96	70.99	-90.00	3,457.71	1,756.64	1,952.01	1,819.04	132.97	14.680	
10,300.00	6,227.00	9,518.39	6,227.00	94.76	72.47	-90.00	3,557.66	1,759.01	1,949.99	1,813.83	136.16	14.322	
10,400.00	6,227.00	9,618.37	6,227.00	95.59	73.97	-90.00	3,657.61	1,761.38	1,947.97	1,808.61	139.36	13.978	
10,500.00	6,227.00	9,718.35	6,227.00	96.45	75.48	-90.00	3,757.56	1,763.75	1,945.95	1,803.38	142.57	13.649	
10,600.00	6,227.00	9,818.33	6,227.00	97.34	77.00	-90.00	3,857.51	1,766.12	1,943.93	1,798.13	145.81	13.332	
10,700.00	6,227.00	9,918.31	6,227.00	98.26	78.53	-90.00	3,957.46	1,768.49	1,941.91	1,792.86	149.05	13.028	
10,800.00	6,227.00	10,018.29	6,227.00	99.20	80.07	-90.00	4,057.41	1,770.86	1,939.90	1,787.58	152.31	12.736	
10,900.00	6,227.00	10,118.27	6,227.00	100.18	81.63	-90.00	4,157.37	1,773.23	1,937.88	1,782.29	155.58	12.456	
11,000.00	6,227.00	10,218.25	6,227.00	101.18	83.19	-90.00	4,257.32	1,775.60	1,935.86	1,776.99	158.86	12.186	
11,100.00	6,227.00	10,318.23	6,227.00	102.20	84.76	-90.00	4,357.27	1,777.97	1,933.84	1,771.68	162.16	11.926	
11,200.00	6,227.00	10,418.21	6,227.00	103.26	86.34	-90.00	4,457.22	1,780.34	1,931.82	1,766.36	165.46	11.675	
11,300.00	6,227.00	10,518.19	6,227.00	104.33	87.92	-90.00	4,557.17	1,782.71	1,929.80	1,761.03	168.77	11.434	
11,400.00	6,227.00	10,618.17	6,227.00	105.44	89.52	-90.00	4,657.12	1,785.08	1,927.78	1,755.69	172.09	11.202	
11,500.00	6,227.00	10,718.15	6,227.00	106.57	91.12	-90.00	4,757.07	1,787.45	1,925.76	1,750.34	175.43	10.978	
11,600.00	6,227.00	10,818.13	6,227.00	107.72	92.73	-90.00	4,857.03	1,789.82	1,923.74	1,744.98	178.76	10.761	
11,700.00	6,227.00	10,918.11	6,227.00	108.89	94.34	-90.00	4,956.98	1,792.19	1,921.72	1,739.61	182.11	10.553	
11,800.00	6,227.00	11,018.09	6,227.00	110.09	95.96	-90.00	5,056.93	1,794.56	1,919.71	1,734.24	185.46	10.351	
11,900.00	6,227.00	11,118.07	6,227.00	111.31	97.59	-90.00	5,156.88	1,796.93	1,917.69	1,728.86	188.82	10.156	
12,000.00	6,227.00	11,218.05	6,227.00	112.54	99.22	-90.00	5,256.83	1,799.30	1,915.67	1,723.48	192.19	9.968	
12,086.26	6,227.00	11,265.65	6,227.00	113.63	99.99	-90.00	5,304.42	1,800.43	1,914.32	1,721.36	192.95	9.921 SF	
12,100.00	6,227.00	11,265.65	6,227.00	113.80	99.99	-90.00	5,304.42	1,800.43	1,914.36	1,721.72	192.64	9.937	
12,200.00	6,227.00	11,265.65	6,227.00	115.08	99.99	-90.00	5,304.42	1,800.43	1,917.69	1,727.53	190.16	10.084	
12,300.00	6,227.00	11,265.65	6,227.00	116.37	99.99	-90.00	5,304.42	1,800.43	1,926.21	1,738.87	187.34	10.282	
12,400.00	6,227.00	11,265.65	6,227.00	117.69	99.99	-90.00	5,304.42	1,800.43	1,939.85	1,755.63	184.22	10.530	
12,500.00	6,227.00	11,265.65	6,227.00	119.02	99.99	-90.00	5,304.42	1,800.43	1,958.51	1,777.67	180.84	10.830	
12,600.00	6,227.00	11,265.65	6,227.00	120.36	99.99	-90.00	5,304.42	1,800.43	1,982.05	1,804.80	177.25	11.182	
12,700.00	6,227.00	11,265.65	6,227.00	121.72	99.99	-90.00	5,304.42	1,800.43	2,010.29	1,836.79	173.50	11.587	
12,800.00	6,227.00	11,265.65	6,227.00	123.10	99.99	-90.00	5,304.42	1,800.43	2,043.04	1,873.40	169.65	12.043	
12,900.00	6,227.00	11,265.65	6,227.00	124.49	99.99	-90.00	5,304.42	1,800.43	2,080.09	1,914.36	165.73	12.551	
13,000.00	6,227.00	11,265.65	6,227.00	125.89	99.99	-90.00	5,304.42	1,800.43	2,121.21	1,959.41	161.80	13.110	
13,100.00	6,227.00	11,265.65	6,227.00	127.31	99.99	-90.00	5,304.42	1,800.43	2,166.16	2,008.26	157.90	13.719	
13,200.00	6,227.00	11,265.65	6,227.00	128.74	99.99	-90.00	5,304.42	1,800.43	2,214.73	2,060.67	154.06	14.376	
13,300.00	6,227.00	11,265.65	6,227.00	130.18	99.99	-90.00	5,304.42	1,800.43	2,266.66	2,116.35	150.31	15.080	
13,400.00	6,227.00	11,265.65	6,227.00	131.63	99.99	-90.00	5,304.42	1,800.43	2,321.75	2,175.07	146.67	15.829	
13,500.00	6,227.00	11,265.65	6,227.00	133.09	99.99	-90.00	5,304.42	1,800.43	2,379.76	2,236.59	143.17	16.622	
13,600.00	6,227.00	11,265.65	6,227.00	134.57	99.99	-90.00	5,304.42	1,800.43	2,440.49	2,300.67	139.82	17.455	
13,700.00	6,227.00	11,265.65	6,227.00	136.05	99.99	-90.00	5,304.42	1,800.43	2,503.75	2,367.12	136.62	18.326	
13,800.00	6,227.00	11,265.65	6,227.00	137.54	99.99	-90.00	5,304.42	1,800.43	2,569.34	2,435.75	133.59	19.234	
13,900.00	6,227.00	11,265.65	6,227.00	139.05	99.99	-90.00	5,304.42	1,800.43	2,637.09	2,506.37	130.72	20.174	
14,000.00	6,227.00	11,265.65	6,227.00	140.56	99.99	-90.00	5,304.42	1,800.43	2,706.84	2,578.83	128.01	21.145	
14,100.00	6,227.00	11,265.65	6,227.00	142.07	99.99	-90.00	5,304.42	1,800.43	2,778.44	2,652.97	125.47	22.144	

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-10-04 - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,200.00	6,227.00	11,265.65	6,227.00	143.60	99.99	-90.00	5,304.42	1,800.43	2,851.75	2,728.66	123.09	23.167	
14,300.00	6,227.00	11,265.65	6,227.00	145.14	99.99	-90.00	5,304.42	1,800.43	2,926.64	2,805.77	120.87	24.213	
14,400.00	6,227.00	11,265.65	6,227.00	146.68	99.99	-90.00	5,304.42	1,800.43	3,002.99	2,884.20	118.80	25.279	
14,500.00	6,227.00	11,265.65	6,227.00	148.23	99.99	-90.00	5,304.42	1,800.43	3,080.70	2,963.84	116.86	26.361	
14,600.00	6,227.00	11,265.65	6,227.00	149.78	99.99	-90.00	5,304.42	1,800.43	3,159.66	3,044.59	115.07	27.458	
14,700.00	6,227.00	11,265.65	6,227.00	151.35	99.99	-90.00	5,304.42	1,800.43	3,239.79	3,126.38	113.41	28.568	
14,800.00	6,227.00	11,265.65	6,227.00	152.91	99.99	-90.00	5,304.42	1,800.43	3,320.99	3,209.12	111.87	29.687	
14,900.00	6,227.00	11,265.65	6,227.00	154.49	99.99	-90.00	5,304.42	1,800.43	3,403.19	3,292.75	110.44	30.814	
15,000.00	6,227.00	11,265.65	6,227.00	156.07	99.99	-90.00	5,304.42	1,800.43	3,486.32	3,377.19	109.13	31.946	
15,100.00	6,227.00	11,265.65	6,227.00	157.65	99.99	-90.00	5,304.42	1,800.43	3,570.32	3,462.40	107.92	33.083	
15,200.00	6,227.00	11,265.65	6,227.00	159.24	99.99	-90.00	5,304.42	1,800.43	3,655.13	3,548.32	106.81	34.222	
15,300.00	6,227.00	11,265.65	6,227.00	160.84	99.99	-90.00	5,304.42	1,800.43	3,740.68	3,634.90	105.78	35.361	
15,400.00	6,227.00	11,265.65	6,227.00	162.44	99.99	-90.00	5,304.42	1,800.43	3,826.94	3,722.09	104.85	36.500	
15,500.00	6,227.00	11,265.65	6,227.00	164.05	99.99	-90.00	5,304.42	1,800.43	3,913.85	3,809.86	103.99	37.637	
15,600.00	6,227.00	11,265.65	6,227.00	165.66	99.99	-90.00	5,304.42	1,800.43	4,001.37	3,898.16	103.20	38.771	
15,700.00	6,227.00	11,265.65	6,227.00	167.27	99.99	-90.00	5,304.42	1,800.43	4,089.46	3,986.97	102.49	39.902	
15,800.00	6,227.00	11,265.65	6,227.00	168.89	99.99	-90.00	5,304.42	1,800.43	4,178.09	4,076.25	101.84	41.027	
15,900.00	6,227.00	11,265.65	6,227.00	170.51	99.99	-90.00	5,304.42	1,800.43	4,267.22	4,165.98	101.25	42.147	
16,000.00	6,227.00	11,265.65	6,227.00	172.14	99.99	-90.00	5,304.42	1,800.43	4,356.82	4,256.12	100.71	43.262	
16,100.00	6,227.00	11,265.65	6,227.00	173.77	99.99	-90.00	5,304.42	1,800.43	4,446.87	4,346.65	100.22	44.369	
16,200.00	6,227.00	11,265.65	6,227.00	175.40	99.99	-90.00	5,304.42	1,800.43	4,537.34	4,437.55	99.79	45.470	
16,300.00	6,227.00	11,265.65	6,227.00	177.04	99.99	-90.00	5,304.42	1,800.43	4,628.19	4,528.80	99.39	46.564	
16,400.00	6,227.00	11,265.65	6,227.00	178.68	99.99	-90.00	5,304.42	1,800.43	4,719.42	4,620.38	99.04	47.651	
16,500.00	6,227.00	11,265.65	6,227.00	180.32	99.99	-90.00	5,304.42	1,800.43	4,810.99	4,712.27	98.73	48.730	
16,600.00	6,227.00	11,265.65	6,227.00	181.96	99.99	-90.00	5,304.42	1,800.43	4,902.90	4,804.45	98.45	49.802	
16,700.00	6,227.00	11,265.65	6,227.00	183.61	99.99	-90.00	5,304.42	1,800.43	4,995.11	4,896.91	98.20	50.866	
16,800.00	6,227.00	11,265.65	6,227.00	185.27	99.99	-90.00	5,304.42	1,800.43	5,087.62	4,989.64	97.99	51.922	
16,900.00	6,227.00	11,265.65	6,227.00	186.92	99.99	-90.00	5,304.42	1,800.43	5,180.41	5,082.61	97.80	52.971	
17,000.00	6,227.00	11,265.65	6,227.00	188.58	99.99	-90.00	5,304.42	1,800.43	5,273.46	5,175.83	97.63	54.013	
17,100.00	6,227.00	11,265.65	6,227.00	190.24	99.99	-90.00	5,304.42	1,800.43	5,366.76	5,269.27	97.49	55.047	
17,200.00	6,227.00	11,265.65	6,227.00	191.90	99.99	-90.00	5,304.42	1,800.43	5,460.30	5,362.92	97.38	56.075	
17,300.00	6,227.00	11,265.65	6,227.00	193.57	99.99	-90.00	5,304.42	1,800.43	5,554.06	5,456.79	97.28	57.095	
17,348.07	6,227.00	11,265.65	6,227.00	194.37	99.99	-90.00	5,304.42	1,800.43	5,599.21	5,501.97	97.24	57.583	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.67	0.00	19.67				
100.00	100.00	100.00	100.00	0.27	0.27	0.00	19.67	0.00	19.67	19.13	0.54	36.579	
200.00	200.00	200.00	200.00	0.63	0.63	0.00	19.67	0.00	19.67	18.41	1.25	15.677	
300.00	299.98	299.98	299.98	0.98	0.99	-89.29	19.67	0.00	19.57	17.60	1.97	9.956	
306.40	306.38	306.37	306.37	1.00	1.01	-89.95	19.67	0.01	19.57	17.56	2.01	9.731 CC	
400.00	399.84	399.96	399.94	1.34	1.34	-99.41	19.87	1.73	19.86	17.19	2.67	7.430 ES	
500.00	499.45	500.07	499.90	1.71	1.69	-108.90	20.47	6.94	20.79	17.40	3.39	6.127	
600.00	598.70	600.29	599.74	2.10	2.06	-117.30	21.48	15.62	22.28	18.15	4.13	5.389	
700.00	697.47	700.64	699.33	2.51	2.44	-124.43	22.89	27.78	24.22	19.32	4.89	4.949	
800.00	795.62	801.11	798.56	2.95	2.85	-130.33	24.71	43.42	26.50	20.83	5.67	4.673	
900.00	893.06	901.70	897.29	3.44	3.29	-135.15	26.93	62.54	29.05	22.58	6.47	4.492	
1,000.00	989.64	1,002.42	995.40	3.96	3.77	-139.08	29.55	85.11	31.78	24.50	7.28	4.365	
1,100.00	1,085.27	1,103.26	1,092.77	4.54	4.29	-142.28	32.57	111.13	34.64	26.53	8.11	4.271	
1,200.00	1,179.82	1,204.21	1,189.27	5.16	4.86	-144.90	35.99	140.57	37.60	28.64	8.96	4.194	
1,300.00	1,273.17	1,305.29	1,284.78	5.85	5.48	-147.04	39.80	173.42	40.62	30.78	9.84	4.128	
1,400.00	1,365.21	1,406.49	1,379.18	6.59	6.17	-148.81	44.01	209.63	43.69	32.94	10.75	4.066	
1,500.00	1,455.84	1,507.80	1,472.34	7.40	6.91	-150.26	48.60	249.18	46.77	35.09	11.68	4.005	
1,600.00	1,544.94	1,609.23	1,564.13	8.28	7.73	-151.46	53.58	292.03	49.86	37.22	12.65	3.943	
1,700.00	1,632.39	1,710.78	1,654.44	9.23	8.61	-152.45	58.93	338.14	52.95	39.30	13.65	3.880	
1,800.00	1,718.11	1,812.44	1,743.15	10.25	9.57	-153.25	64.65	387.45	56.02	41.33	14.69	3.814	
1,900.00	1,801.97	1,912.59	1,829.43	11.35	10.57	-154.45	70.52	437.97	60.23	44.46	15.76	3.821	
2,005.96	1,888.70	2,018.21	1,920.39	12.60	11.65	-156.83	76.71	491.29	68.16	51.40	16.76	4.067	
2,100.00	1,964.66	2,111.81	2,001.00	13.75	12.61	-159.03	82.20	538.54	76.89	59.30	17.59	4.370	
2,200.00	2,045.44	2,211.33	2,086.71	14.99	13.64	-160.89	88.03	588.78	86.28	67.77	18.51	4.662	
2,300.00	2,126.22	2,310.85	2,172.43	16.24	14.69	-162.38	93.86	639.02	95.74	76.30	19.44	4.925	
2,400.00	2,207.00	2,410.38	2,258.14	17.50	15.73	-163.60	99.70	689.26	105.25	84.86	20.39	5.161	
2,500.00	2,287.78	2,509.90	2,343.86	18.77	16.79	-164.62	105.53	739.50	114.81	93.45	21.36	5.375	
2,600.00	2,368.56	2,609.42	2,429.57	20.04	17.84	-165.48	111.36	789.74	124.39	102.05	22.33	5.570	
2,700.00	2,449.34	2,708.95	2,515.29	21.31	18.90	-166.22	117.20	839.98	133.99	110.68	23.32	5.746	
2,800.00	2,530.12	2,808.47	2,601.00	22.59	19.96	-166.86	123.03	890.22	143.62	119.31	24.31	5.907	
2,900.00	2,610.90	2,908.00	2,686.71	23.88	21.03	-167.42	128.86	940.46	153.26	127.95	25.31	6.055	
3,000.00	2,691.68	3,007.52	2,772.43	25.16	22.10	-167.91	134.69	990.70	162.91	136.60	26.32	6.190	
3,100.00	2,772.46	3,107.04	2,858.14	26.45	23.16	-168.35	140.53	1,040.94	172.58	145.25	27.33	6.315	
3,200.00	2,853.23	3,206.57	2,943.86	27.74	24.23	-168.74	146.36	1,091.18	182.25	153.91	28.35	6.430	
3,300.00	2,934.01	3,306.09	3,029.57	29.03	25.31	-169.09	152.19	1,141.42	191.93	162.57	29.36	6.536	
3,400.00	3,014.79	3,405.61	3,115.28	30.32	26.38	-169.41	158.03	1,191.66	201.62	171.23	30.39	6.635	
3,500.00	3,095.57	3,505.14	3,201.00	31.61	27.45	-169.70	163.86	1,241.90	211.31	179.90	31.41	6.727	
3,600.00	3,176.35	3,604.66	3,286.71	32.91	28.53	-169.96	169.69	1,292.14	221.01	188.57	32.44	6.813	
3,700.00	3,257.13	3,704.19	3,372.43	34.20	29.60	-170.20	175.53	1,342.38	230.71	197.24	33.47	6.893	
3,800.00	3,337.91	3,803.71	3,458.14	35.50	30.68	-170.42	181.36	1,392.62	240.42	205.91	34.50	6.968	
3,900.00	3,418.69	3,903.23	3,543.85	36.80	31.76	-170.63	187.19	1,442.86	250.13	214.59	35.54	7.038	
4,000.00	3,499.47	4,002.76	3,629.57	38.09	32.83	-170.82	193.03	1,493.09	259.84	223.26	36.57	7.104	
4,100.00	3,580.25	4,102.28	3,715.28	39.39	33.91	-170.99	198.86	1,543.33	269.55	231.94	37.61	7.167	
4,200.00	3,661.03	4,201.80	3,801.00	40.69	34.99	-171.16	204.69	1,593.57	279.27	240.62	38.65	7.225	
4,300.00	3,741.81	4,301.33	3,886.71	41.99	36.07	-171.31	210.53	1,643.81	288.99	249.30	39.69	7.281	
4,400.00	3,822.58	4,400.85	3,972.43	43.29	37.15	-171.45	216.36	1,694.05	298.71	257.97	40.73	7.333	
4,500.00	3,903.36	4,500.38	4,058.14	44.59	38.23	-171.59	222.19	1,744.29	308.43	266.65	41.78	7.383	
4,600.00	3,984.14	4,599.90	4,143.85	45.89	39.31	-171.71	228.03	1,794.53	318.16	275.33	42.82	7.430	
4,700.00	4,064.92	4,699.42	4,229.57	47.20	40.39	-171.83	233.86	1,844.77	327.88	284.01	43.87	7.474	
4,800.00	4,145.70	4,798.95	4,315.28	48.50	41.47	-171.94	239.69	1,895.01	337.61	292.69	44.91	7.517	
4,900.00	4,226.48	4,898.47	4,401.00	49.80	42.55	-172.05	245.52	1,945.25	347.34	301.38	45.96	7.557	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,000.00	4,307.26	4,997.99	4,486.71	51.10	43.63	-172.14	251.36	1,995.49	357.06	310.06	47.01	7.596	
5,100.00	4,388.04	5,097.52	4,572.42	52.40	44.71	-172.24	257.19	2,045.73	366.79	318.74	48.06	7.633	
5,200.00	4,468.82	5,197.04	4,658.14	53.71	45.79	-172.33	263.02	2,095.97	376.53	327.42	49.10	7.668	
5,300.00	4,549.60	5,296.57	4,743.85	55.01	46.87	-172.41	268.86	2,146.21	386.26	336.10	50.15	7.702	
5,400.00	4,630.38	5,396.09	4,829.57	56.31	47.96	-172.49	274.69	2,196.45	395.99	344.79	51.20	7.734	
5,500.00	4,711.16	5,495.61	4,915.28	57.62	49.04	-172.57	280.52	2,246.69	405.72	353.47	52.25	7.764	
5,600.00	4,791.93	5,595.14	5,000.99	58.92	50.12	-172.64	286.36	2,296.93	415.46	362.15	53.31	7.794	
5,700.00	4,872.71	5,694.66	5,086.71	60.23	51.20	-172.71	292.19	2,347.17	425.19	370.84	54.36	7.822	
5,800.00	4,953.49	5,794.19	5,172.42	61.53	52.29	-172.78	298.02	2,397.41	434.93	379.52	55.41	7.849	
5,900.00	5,034.27	5,893.71	5,258.14	62.83	53.37	-172.84	303.86	2,447.65	444.66	388.20	56.46	7.876	
6,000.00	5,115.05	5,993.23	5,343.85	64.14	54.45	-172.90	309.69	2,497.89	454.40	396.89	57.51	7.901	
6,100.00	5,195.83	6,092.76	5,429.57	65.44	55.53	-172.96	315.52	2,548.13	464.14	405.57	58.57	7.925	
6,200.00	5,276.61	6,192.28	5,515.28	66.75	56.62	-173.02	321.36	2,598.37	473.87	414.25	59.62	7.948	
6,300.00	5,357.39	6,291.80	5,600.99	68.05	57.70	-173.07	327.19	2,648.61	483.61	422.94	60.67	7.971	
6,400.00	5,438.17	6,391.33	5,686.71	69.36	58.78	-173.12	333.02	2,698.85	493.35	431.62	61.73	7.992	
6,500.00	5,518.95	6,490.57	5,772.17	70.66	59.86	-173.16	338.95	2,748.94	503.09	440.30	62.79	8.013	
6,600.00	5,599.73	6,586.44	5,853.69	71.97	60.90	-172.10	354.39	2,796.76	513.22	448.86	64.36	7.974	
6,700.00	5,680.51	6,676.69	5,927.38	73.27	61.84	-169.55	383.12	2,840.03	524.82	457.91	66.92	7.843	
6,800.00	5,761.29	6,757.88	5,989.60	74.58	62.63	-166.12	420.15	2,876.62	539.80	469.33	70.48	7.659	
6,837.84	5,791.85	6,785.88	6,009.92	75.07	62.89	-164.72	435.24	2,888.58	546.80	474.81	72.00	7.595	
6,850.00	5,801.67	6,794.61	6,016.13	75.23	62.97	-162.37	440.18	2,892.23	549.22	476.73	72.48	7.577	
6,900.00	5,841.80	6,830.04	6,040.62	75.88	63.28	-152.97	461.33	2,906.65	559.56	485.21	74.35	7.526	
6,950.00	5,881.33	6,864.81	6,063.50	76.52	63.57	-144.13	483.76	2,920.14	570.41	494.50	75.91	7.514	
7,000.00	5,919.97	6,900.00	6,085.42	77.14	63.86	-135.96	508.05	2,933.06	581.55	504.32	77.23	7.530	
7,050.00	5,957.41	6,932.70	6,104.60	77.74	64.10	-128.65	531.99	2,944.39	592.76	514.77	77.99	7.601	
7,100.00	5,993.37	6,965.98	6,122.88	78.32	64.34	-122.10	557.61	2,955.18	603.86	525.38	78.47	7.695	
7,150.00	6,027.59	7,000.00	6,140.20	78.86	64.58	-116.29	585.04	2,965.43	614.67	535.93	78.74	7.806	
7,200.00	6,059.79	7,031.47	6,154.95	79.36	64.77	-111.27	611.43	2,974.16	625.05	546.62	78.42	7.970	
7,250.00	6,089.73	7,063.79	6,168.76	79.83	64.97	-106.88	639.46	2,982.35	634.85	556.91	77.94	8.145	
7,300.00	6,117.20	7,100.00	6,182.59	80.25	65.17	-103.04	671.90	2,990.57	643.97	566.25	77.72	8.286	
7,350.00	6,141.96	7,127.75	6,191.98	80.63	65.31	-99.90	697.40	2,996.16	652.25	575.99	76.26	8.553	
7,400.00	6,163.85	7,159.46	6,201.39	80.98	65.47	-97.21	727.16	3,001.77	659.66	584.52	75.14	8.779	
7,450.00	6,182.69	7,200.00	6,211.32	81.28	65.65	-94.88	766.00	3,007.73	666.19	591.20	74.99	8.883	
7,500.00	6,198.33	7,222.49	6,215.80	81.54	65.73	-93.20	787.87	3,010.43	671.50	598.90	72.60	9.249	
7,550.00	6,210.67	7,250.00	6,220.26	81.77	65.84	-91.85	814.88	3,013.14	675.83	604.98	70.85	9.539	
7,600.00	6,219.60	7,285.15	6,224.33	81.96	65.96	-90.84	849.70	3,015.64	679.00	609.02	69.98	9.703	
7,650.00	6,225.05	7,316.40	6,226.40	82.11	66.06	-90.24	880.85	3,016.96	681.03	612.26	68.77	9.904	
7,702.53	6,227.00	7,351.91	6,227.00	82.24	66.16	-90.00	916.34	3,017.44	681.88	614.00	67.87	10.046	
7,800.00	6,227.00	7,449.38	6,227.00	82.45	66.43	-90.00	1,013.82	3,017.78	681.88	612.53	69.35	9.833	
7,900.00	6,227.00	7,549.38	6,227.00	82.68	66.73	-90.00	1,113.82	3,018.13	681.88	610.89	70.99	9.605	
8,000.00	6,227.00	7,649.38	6,227.00	82.93	67.06	-90.00	1,213.82	3,018.47	681.89	609.11	72.78	9.370	
8,100.00	6,227.00	7,749.38	6,227.00	83.20	67.42	-90.00	1,313.82	3,018.82	681.89	607.21	74.69	9.130	
8,200.00	6,227.00	7,849.38	6,227.00	83.49	67.80	-90.00	1,413.82	3,019.17	681.89	605.18	76.71	8.889	
8,300.00	6,227.00	7,949.38	6,227.00	83.80	68.21	-90.00	1,513.82	3,019.52	681.90	603.05	78.84	8.649	
8,400.00	6,227.00	8,049.38	6,227.00	84.12	68.65	-90.00	1,613.81	3,019.87	681.90	600.82	81.08	8.411	
8,500.00	6,227.00	8,149.38	6,227.00	84.47	69.12	-90.00	1,713.81	3,020.22	681.91	598.50	83.40	8.176	
8,600.00	6,227.00	8,249.38	6,227.00	84.83	69.61	-90.00	1,813.81	3,020.56	681.91	596.10	85.81	7.947	
8,700.00	6,227.00	8,349.38	6,227.00	85.22	70.14	-90.00	1,913.81	3,020.91	681.91	593.62	88.29	7.723	
8,800.00	6,227.00	8,449.38	6,227.00	85.62	70.71	-90.00	2,013.81	3,021.26	681.92	591.07	90.84	7.506	
8,900.00	6,227.00	8,549.38	6,227.00	86.05	71.30	-90.00	2,113.81	3,021.61	681.92	588.45	93.46	7.296	
9,000.00	6,227.00	8,649.38	6,227.00	86.51	71.93	-90.00	2,213.81	3,021.96	681.92	585.78	96.14	7.093	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
9,100.00	6,227.00	8,749.38	6,227.00	86.98	72.59	-90.00	2,313.81	3,022.31	681.93	583.05	98.88	6.897		
9,200.00	6,227.00	8,849.38	6,227.00	87.49	73.29	-90.00	2,413.81	3,022.65	681.93	580.27	101.66	6.708		
9,300.00	6,227.00	8,949.38	6,227.00	88.01	74.02	-90.00	2,513.81	3,023.00	681.93	577.44	104.49	6.526		
9,400.00	6,227.00	9,049.38	6,227.00	88.56	74.79	-90.00	2,613.81	3,023.35	681.94	574.58	107.36	6.352		
9,500.00	6,227.00	9,149.38	6,227.00	89.14	75.59	-90.00	2,713.81	3,023.70	681.94	571.67	110.27	6.184		
9,600.00	6,227.00	9,249.38	6,227.00	89.75	76.43	-90.00	2,813.81	3,024.05	681.94	568.72	113.22	6.023		
9,700.00	6,227.00	9,349.38	6,227.00	90.38	77.30	-90.00	2,913.81	3,024.40	681.95	565.75	116.20	5.869		
9,800.00	6,227.00	9,449.38	6,227.00	91.04	78.20	-90.00	3,013.81	3,024.74	681.95	562.74	119.21	5.720		
9,900.00	6,227.00	9,549.38	6,227.00	91.73	79.14	-90.00	3,113.81	3,025.09	681.95	559.70	122.25	5.578		
10,000.00	6,227.00	9,649.38	6,227.00	92.44	80.11	-90.00	3,213.80	3,025.44	681.96	556.64	125.32	5.442		
10,100.00	6,227.00	9,749.38	6,227.00	93.19	81.12	-90.00	3,313.80	3,025.79	681.96	553.55	128.41	5.311		
10,200.00	6,227.00	9,849.38	6,227.00	93.96	82.15	-90.00	3,413.80	3,026.14	681.96	550.44	131.53	5.185		
10,300.00	6,227.00	9,949.38	6,227.00	94.76	83.22	-90.00	3,513.80	3,026.49	681.97	547.30	134.66	5.064		
10,400.00	6,227.00	10,049.38	6,227.00	95.59	84.32	-90.00	3,613.80	3,026.84	681.97	544.15	137.82	4.948		
10,500.00	6,227.00	10,149.38	6,227.00	96.45	85.44	-90.00	3,713.80	3,027.18	681.97	540.98	140.99	4.837		
10,600.00	6,227.00	10,249.38	6,227.00	97.34	86.60	-90.00	3,813.80	3,027.53	681.98	537.79	144.19	4.730		
10,700.00	6,227.00	10,349.38	6,227.00	98.26	87.78	-90.00	3,913.80	3,027.88	681.98	534.59	147.39	4.627		
10,800.00	6,227.00	10,449.38	6,227.00	99.20	88.98	-90.00	4,013.80	3,028.23	681.98	531.37	150.62	4.528		
10,900.00	6,227.00	10,549.38	6,227.00	100.18	90.21	-90.00	4,113.80	3,028.58	681.99	528.13	153.85	4.433		
11,000.00	6,227.00	10,649.38	6,227.00	101.18	91.46	-90.00	4,213.80	3,028.93	681.99	524.89	157.10	4.341		
11,100.00	6,227.00	10,749.38	6,227.00	102.20	92.74	-90.00	4,313.80	3,029.27	681.99	521.63	160.37	4.253		
11,200.00	6,227.00	10,849.38	6,227.00	103.26	94.04	-90.00	4,413.80	3,029.62	682.00	518.35	163.64	4.168		
11,300.00	6,227.00	10,949.38	6,227.00	104.33	95.35	-90.00	4,513.80	3,029.97	682.00	515.07	166.93	4.086		
11,400.00	6,227.00	11,049.38	6,227.00	105.44	96.69	-90.00	4,613.80	3,030.32	682.00	511.78	170.23	4.006		
11,500.00	6,227.00	11,149.38	6,227.00	106.57	98.04	-90.00	4,713.80	3,030.67	682.01	508.47	173.53	3.930		
11,600.00	6,227.00	11,249.38	6,227.00	107.72	99.42	-90.00	4,813.80	3,031.02	682.01	505.16	176.85	3.856		
11,700.00	6,227.00	11,349.38	6,227.00	108.89	100.80	-90.00	4,913.79	3,031.36	682.01	501.84	180.17	3.785		
11,800.00	6,227.00	11,449.38	6,227.00	110.09	102.21	-90.00	5,013.79	3,031.71	682.02	498.51	183.51	3.717		
11,900.00	6,227.00	11,549.38	6,227.00	111.31	103.63	-90.00	5,113.79	3,032.06	682.02	495.17	186.85	3.650		
12,000.00	6,227.00	11,649.38	6,227.00	112.54	105.06	-90.00	5,213.79	3,032.41	682.02	491.83	190.19	3.586		
12,100.00	6,227.00	11,749.38	6,227.00	113.80	106.51	-90.00	5,313.79	3,032.76	682.03	488.48	193.55	3.524		
12,200.00	6,227.00	11,849.38	6,227.00	115.08	107.97	-90.00	5,413.79	3,033.11	682.03	485.12	196.91	3.464		
12,300.00	6,227.00	11,949.38	6,227.00	116.37	109.44	-90.00	5,513.79	3,033.45	682.03	481.75	200.28	3.405		
12,400.00	6,227.00	12,049.38	6,227.00	117.69	110.92	-90.00	5,613.79	3,033.80	682.04	478.38	203.65	3.349		
12,500.00	6,227.00	12,149.38	6,227.00	119.02	112.41	-90.00	5,713.79	3,034.15	682.04	475.01	207.03	3.294		
12,600.00	6,227.00	12,249.38	6,227.00	120.36	113.92	-90.00	5,813.79	3,034.50	682.04	471.62	210.42	3.241		
12,700.00	6,227.00	12,349.38	6,227.00	121.72	115.43	-90.00	5,913.79	3,034.85	682.05	468.24	213.81	3.190		
12,800.00	6,227.00	12,449.38	6,227.00	123.10	116.96	-90.00	6,013.79	3,035.20	682.05	464.84	217.21	3.140		
12,900.00	6,227.00	12,549.38	6,227.00	124.49	118.49	-90.00	6,113.79	3,035.54	682.06	461.45	220.61	3.092		
13,000.00	6,227.00	12,649.38	6,227.00	125.89	120.03	-90.00	6,213.79	3,035.89	682.06	458.05	224.01	3.045		
13,100.00	6,227.00	12,749.38	6,227.00	127.31	121.58	-90.00	6,313.79	3,036.24	682.06	454.64	227.42	2.999		
13,200.00	6,227.00	12,849.38	6,227.00	128.74	123.14	-90.00	6,413.79	3,036.59	682.07	451.23	230.84	2.955		
13,300.00	6,227.00	12,949.38	6,227.00	130.18	124.70	-90.00	6,513.78	3,036.94	682.07	447.82	234.25	2.912		
13,400.00	6,227.00	13,049.38	6,227.00	131.63	126.27	-90.00	6,613.78	3,037.29	682.07	444.40	237.67	2.870		
13,500.00	6,227.00	13,149.38	6,227.00	133.09	127.85	-90.00	6,713.78	3,037.64	682.08	440.98	241.10	2.829		
13,600.00	6,227.00	13,249.38	6,227.00	134.57	129.43	-90.00	6,813.78	3,037.98	682.08	437.55	244.53	2.789		
13,700.00	6,227.00	13,349.38	6,227.00	136.05	131.02	-90.00	6,913.78	3,038.33	682.08	434.12	247.96	2.751		
13,800.00	6,227.00	13,449.38	6,227.00	137.54	132.62	-90.00	7,013.78	3,038.68	682.09	430.69	251.39	2.713		
13,900.00	6,227.00	13,549.38	6,227.00	139.05	134.22	-90.00	7,113.78	3,039.03	682.09	427.26	254.83	2.677		
14,000.00	6,227.00	13,649.38	6,227.00	140.56	135.83	-90.00	7,213.78	3,039.38	682.09	423.82	258.27	2.641		
14,100.00	6,227.00	13,749.38	6,227.00	142.07	137.44	-90.00	7,313.78	3,039.73	682.10	420.38	261.72	2.606		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-20-06 - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,200.00	6,227.00	13,849.38	6,227.00	143.60	139.05	-90.00	7,413.78	3,040.07	682.10	416.94	265.16	2.572	
14,300.00	6,227.00	13,949.38	6,227.00	145.14	140.67	-90.00	7,513.78	3,040.42	682.10	413.49	268.61	2.539	
14,400.00	6,227.00	14,049.38	6,227.00	146.68	142.30	-90.00	7,613.78	3,040.77	682.11	410.04	272.06	2.507	
14,500.00	6,227.00	14,149.38	6,227.00	148.23	143.93	-90.00	7,713.78	3,041.12	682.11	406.59	275.52	2.476	
14,600.00	6,227.00	14,249.38	6,227.00	149.78	145.56	-90.00	7,813.78	3,041.47	682.11	403.14	278.97	2.445	
14,700.00	6,227.00	14,349.38	6,227.00	151.35	147.20	-90.00	7,913.78	3,041.82	682.12	399.69	282.43	2.415	
14,800.00	6,227.00	14,449.38	6,227.00	152.91	148.84	-90.00	8,013.78	3,042.16	682.12	396.23	285.89	2.386	
14,900.00	6,227.00	14,549.38	6,227.00	154.49	150.49	-90.00	8,113.78	3,042.51	682.12	392.77	289.35	2.357	
15,000.00	6,227.00	14,649.38	6,227.00	156.07	152.14	-90.00	8,213.77	3,042.86	682.13	389.31	292.82	2.330	
15,100.00	6,227.00	14,749.38	6,227.00	157.65	153.79	-90.00	8,313.77	3,043.21	682.13	385.85	296.29	2.302	
15,200.00	6,227.00	14,849.38	6,227.00	159.24	155.44	-90.00	8,413.77	3,043.56	682.13	382.38	299.75	2.276	
15,300.00	6,227.00	14,949.38	6,227.00	160.84	157.10	-90.00	8,513.77	3,043.91	682.14	378.91	303.22	2.250	
15,400.00	6,227.00	15,049.38	6,227.00	162.44	158.76	-90.00	8,613.77	3,044.25	682.14	375.44	306.70	2.224	
15,500.00	6,227.00	15,149.38	6,227.00	164.05	160.42	-90.00	8,713.77	3,044.60	682.14	371.97	310.17	2.199	
15,600.00	6,227.00	15,249.38	6,227.00	165.66	162.09	-90.00	8,813.77	3,044.95	682.15	368.50	313.64	2.175	
15,700.00	6,227.00	15,349.38	6,227.00	167.27	163.76	-90.00	8,913.77	3,045.30	682.15	365.03	317.12	2.151	
15,800.00	6,227.00	15,449.38	6,227.00	168.89	165.43	-90.00	9,013.77	3,045.65	682.15	361.55	320.60	2.128	
15,900.00	6,227.00	15,549.38	6,227.00	170.51	167.11	-90.00	9,113.77	3,046.00	682.16	358.08	324.08	2.105	
16,000.00	6,227.00	15,649.38	6,227.00	172.14	168.78	-90.00	9,213.77	3,046.34	682.16	354.60	327.56	2.083	
16,100.00	6,227.00	15,749.38	6,227.00	173.77	170.46	-90.00	9,313.77	3,046.69	682.16	351.12	331.04	2.061	
16,200.00	6,227.00	15,849.38	6,227.00	175.40	172.14	-90.00	9,413.77	3,047.04	682.17	347.64	334.53	2.039	
16,300.00	6,227.00	15,949.38	6,227.00	177.04	173.83	-90.00	9,513.77	3,047.39	682.17	344.16	338.01	2.018	
16,400.00	6,227.00	16,049.38	6,227.00	178.68	175.51	-90.00	9,613.77	3,047.74	682.17	340.67	341.50	1.998	
16,500.00	6,227.00	16,149.38	6,227.00	180.32	177.20	-90.00	9,713.77	3,048.09	682.18	337.19	344.99	1.977	
16,600.00	6,227.00	16,249.38	6,227.00	181.96	178.89	-90.00	9,813.77	3,048.44	682.18	333.70	348.48	1.958	
16,700.00	6,227.00	16,349.38	6,227.00	183.61	180.58	-90.00	9,913.76	3,048.78	682.18	330.22	351.97	1.938	
16,800.00	6,227.00	16,449.38	6,227.00	185.27	182.27	-90.00	10,013.76	3,049.13	682.19	326.73	355.46	1.919	
16,900.00	6,227.00	16,549.38	6,227.00	186.92	183.96	-90.00	10,113.76	3,049.48	682.19	323.24	358.95	1.901	
17,000.00	6,227.00	16,649.38	6,227.00	188.58	185.66	-90.00	10,213.76	3,049.83	682.20	319.75	362.44	1.882	
17,100.00	6,227.00	16,749.38	6,227.00	190.24	187.36	-90.00	10,313.76	3,050.18	682.20	316.26	365.94	1.864	
17,200.00	6,227.00	16,849.38	6,227.00	191.90	189.06	-90.00	10,413.76	3,050.53	682.20	312.77	369.43	1.847	
17,300.00	6,227.00	16,949.38	6,227.00	193.57	190.76	-90.00	10,513.76	3,050.87	682.21	309.28	372.93	1.829	
17,348.07	6,227.00	16,997.45	6,227.00	194.37	191.58	-90.00	10,561.83	3,051.04	682.21	307.60	374.61	1.821 SF	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
0.00	0.00	0.00	0.00	0.00	0.00	-180.00	-20.04	0.00	20.04				
100.00	100.00	100.00	100.00	0.27	0.27	-180.00	-20.04	0.00	20.04	19.50	0.54	37.264	
200.00	200.00	200.02	200.00	0.63	0.62	175.00	-19.87	1.74	19.95	18.70	1.25	15.962	
204.45	204.45	204.47	204.45	0.64	0.64	90.35	-19.86	1.90	19.95	18.67	1.28	15.567 CC	
300.00	299.98	299.91	299.74	0.98	0.99	80.88	-19.39	6.94	20.25	18.28	1.96	10.321 ES	
400.00	399.84	399.67	399.12	1.34	1.36	71.56	-18.58	15.59	21.15	18.46	2.69	7.867	
500.00	499.45	499.31	498.02	1.71	1.75	63.25	-17.45	27.66	22.58	19.14	3.44	6.572	
600.00	598.70	598.83	596.31	2.10	2.17	56.12	-16.01	43.13	24.43	20.23	4.20	5.816	
700.00	697.47	698.23	693.89	2.51	2.62	50.15	-14.25	61.97	26.62	21.64	4.98	5.342	
800.00	795.62	797.52	790.65	2.95	3.11	45.20	-12.18	84.13	29.06	23.28	5.78	5.027	
900.00	893.06	896.69	886.46	3.44	3.64	41.10	-9.80	109.59	31.67	25.08	6.59	4.804	
1,000.00	989.64	995.74	981.22	3.96	4.22	37.71	-7.12	138.30	34.42	27.00	7.42	4.639	
1,100.00	1,085.27	1,094.68	1,074.82	4.54	4.85	34.90	-4.13	170.21	37.25	28.98	8.26	4.508	
1,200.00	1,179.82	1,193.51	1,167.15	5.16	5.54	32.54	-0.86	205.29	40.14	31.01	9.13	4.399	
1,300.00	1,273.17	1,292.23	1,258.11	5.85	6.28	30.57	2.71	243.46	43.06	33.05	10.01	4.303	
1,400.00	1,365.21	1,390.84	1,347.60	6.59	7.09	28.90	6.56	284.69	46.00	35.09	10.91	4.216	
1,500.00	1,455.84	1,489.35	1,435.52	7.40	7.96	27.48	10.69	328.92	48.94	37.10	11.84	4.134	
1,600.00	1,544.94	1,587.75	1,521.77	8.28	8.90	26.28	15.10	376.07	51.87	39.08	12.79	4.055	
1,700.00	1,632.39	1,686.05	1,606.26	9.23	9.91	25.25	19.77	426.09	54.78	41.01	13.77	3.977	
1,800.00	1,718.11	1,784.25	1,688.89	10.25	10.99	24.37	24.71	478.91	57.66	42.88	14.78	3.900	
1,900.00	1,801.97	1,882.35	1,769.57	11.35	12.14	23.61	29.90	534.47	60.50	44.67	15.83	3.823	
2,005.96	1,888.70	1,986.20	1,852.84	12.60	13.44	22.94	35.67	596.24	63.46	46.50	16.96	3.741	
2,100.00	1,964.66	2,078.20	1,924.70	13.75	14.66	21.95	41.01	653.44	67.47	49.56	17.91	3.768	
2,200.00	2,045.44	2,177.19	2,000.38	14.99	16.03	20.31	46.95	716.96	74.18	55.32	18.86	3.933	
2,300.00	2,126.22	2,276.93	2,076.50	16.24	17.43	18.89	52.94	781.13	81.14	61.26	19.87	4.083	
2,400.00	2,207.00	2,376.67	2,152.63	17.50	18.84	17.69	58.94	845.29	88.14	67.24	20.89	4.218	
2,500.00	2,287.78	2,476.41	2,228.75	18.77	20.26	16.67	64.93	909.46	95.17	73.24	21.93	4.340	
2,600.00	2,368.56	2,576.14	2,304.88	20.04	21.69	15.79	70.93	973.62	102.23	79.26	22.97	4.451	
2,700.00	2,449.34	2,675.88	2,381.00	21.31	23.12	15.02	76.92	1,037.79	109.31	85.29	24.02	4.551	
2,800.00	2,530.12	2,775.62	2,457.12	22.59	24.56	14.35	82.92	1,101.95	116.41	91.33	25.08	4.642	
2,900.00	2,610.90	2,875.36	2,533.25	23.88	26.00	13.76	88.91	1,166.12	123.52	97.38	26.14	4.725	
3,000.00	2,691.68	2,975.10	2,609.37	25.16	27.44	13.22	94.91	1,230.28	130.65	103.44	27.21	4.801	
3,100.00	2,772.46	3,074.84	2,685.50	26.45	28.89	12.75	100.90	1,294.45	137.78	109.49	28.29	4.871	
3,200.00	2,853.23	3,174.58	2,761.62	27.74	30.34	12.32	106.90	1,358.61	144.93	115.56	29.37	4.935	
3,300.00	2,934.01	3,274.32	2,837.74	29.03	31.79	11.93	112.89	1,422.77	152.08	121.62	30.45	4.994	
3,400.00	3,014.79	3,374.06	2,913.87	30.32	33.24	11.58	118.89	1,486.94	159.23	127.69	31.54	5.049	
3,500.00	3,095.57	3,473.80	2,989.99	31.61	34.69	11.25	124.88	1,551.10	166.39	133.76	32.63	5.100	
3,600.00	3,176.35	3,573.53	3,066.12	32.91	36.14	10.96	130.87	1,615.27	173.56	139.84	33.72	5.147	
3,700.00	3,257.13	3,673.27	3,142.24	34.20	37.60	10.68	136.87	1,679.43	180.73	145.91	34.82	5.191	
3,800.00	3,337.91	3,773.01	3,218.36	35.50	39.06	10.43	142.86	1,743.60	187.91	151.99	35.92	5.232	
3,900.00	3,418.69	3,872.75	3,294.49	36.80	40.51	10.20	148.86	1,807.76	195.08	158.07	37.02	5.270	
4,000.00	3,499.47	3,972.49	3,370.61	38.09	41.97	9.98	154.85	1,871.93	202.27	164.14	38.12	5.306	
4,100.00	3,580.25	4,072.23	3,446.73	39.39	43.43	9.78	160.85	1,936.09	209.45	170.22	39.23	5.339	
4,200.00	3,661.03	4,171.97	3,522.86	40.69	44.89	9.59	166.84	2,000.25	216.64	176.30	40.33	5.371	
4,300.00	3,741.81	4,271.71	3,598.98	41.99	46.35	9.41	172.84	2,064.42	223.82	182.38	41.44	5.401	
4,400.00	3,822.58	4,371.45	3,675.11	43.29	47.81	9.25	178.83	2,128.58	231.01	188.46	42.55	5.429	
4,500.00	3,903.36	4,471.19	3,751.23	44.59	49.27	9.09	184.83	2,192.75	238.21	194.54	43.66	5.456	
4,600.00	3,984.14	4,570.92	3,827.35	45.89	50.73	8.94	190.82	2,256.91	245.40	200.63	44.77	5.481	
4,700.00	4,064.92	4,670.66	3,903.48	47.20	52.19	8.81	196.82	2,321.08	252.60	206.71	45.89	5.505	
4,800.00	4,145.70	4,770.40	3,979.60	48.50	53.66	8.68	202.81	2,385.24	259.79	212.79	47.00	5.527	
4,900.00	4,226.48	4,870.14	4,055.73	49.80	55.12	8.55	208.81	2,449.41	266.99	218.87	48.12	5.549	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,000.00	4,307.26	4,969.88	4,131.85	51.10	56.58	8.43	214.80	2,513.57	274.19	224.96	49.23	5.569		
5,100.00	4,388.04	5,069.62	4,207.97	52.40	58.05	8.32	220.80	2,577.74	281.39	231.04	50.35	5.588		
5,200.00	4,468.82	5,169.36	4,284.10	53.71	59.51	8.22	226.79	2,641.90	288.59	237.12	51.47	5.607		
5,300.00	4,549.60	5,269.10	4,360.22	55.01	60.97	8.12	232.79	2,706.06	295.79	243.21	52.59	5.625		
5,400.00	4,630.38	5,368.84	4,436.35	56.31	62.44	8.02	238.78	2,770.23	303.00	249.29	53.71	5.642		
5,500.00	4,711.16	5,468.58	4,512.47	57.62	63.90	7.93	244.78	2,834.39	310.20	255.37	54.83	5.658		
5,600.00	4,791.93	5,568.31	4,588.59	58.92	65.36	7.84	250.77	2,898.56	317.41	261.46	55.95	5.673		
5,700.00	4,872.71	5,668.05	4,664.72	60.23	66.83	7.76	256.76	2,962.72	324.61	267.54	57.07	5.688		
5,800.00	4,953.49	5,767.79	4,740.84	61.53	68.29	7.68	262.76	3,026.89	331.82	273.62	58.19	5.702		
5,900.00	5,034.27	5,867.53	4,816.96	62.83	69.76	7.60	268.75	3,091.05	339.02	279.71	59.32	5.716		
6,000.00	5,115.05	5,967.27	4,893.09	64.14	71.22	7.53	274.75	3,155.22	346.23	285.79	60.44	5.729		
6,100.00	5,195.83	6,067.01	4,969.21	65.44	72.69	7.46	280.74	3,219.38	353.44	291.88	61.56	5.741		
6,200.00	5,276.61	6,166.75	5,045.34	66.75	74.15	7.39	286.74	3,283.54	360.65	297.96	62.69	5.753		
6,300.00	5,357.39	6,266.49	5,121.46	68.05	75.62	7.33	292.73	3,347.71	367.86	304.04	63.81	5.765		
6,400.00	5,438.17	6,366.23	5,197.58	69.36	77.09	7.27	298.73	3,411.87	375.07	310.13	64.94	5.776		
6,500.00	5,518.95	6,465.97	5,273.71	70.66	78.55	7.21	304.72	3,476.04	382.27	316.21	66.06	5.787		
6,600.00	5,599.73	6,565.70	5,349.83	71.97	80.02	7.15	310.72	3,540.20	389.48	322.30	67.19	5.797		
6,700.00	5,680.51	6,665.44	5,425.96	73.27	81.48	7.10	316.71	3,604.37	396.70	328.38	68.31	5.807		
6,800.00	5,761.29	6,765.18	5,502.08	74.58	82.95	7.04	322.71	3,668.53	403.91	334.47	69.44	5.817		
6,837.84	5,791.85	6,802.92	5,530.88	75.07	83.50	7.02	324.98	3,692.81	406.63	336.77	69.87	5.820		
6,850.00	5,801.67	6,815.05	5,540.14	75.23	83.68	8.60	325.70	3,700.61	407.52	337.50	70.01	5.821		
6,900.00	5,841.80	6,864.80	5,578.11	75.88	84.41	15.28	328.70	3,732.62	411.25	340.40	70.85	5.805		
6,950.00	5,881.33	6,914.09	5,615.73	76.52	85.14	22.08	331.66	3,764.33	415.22	343.11	72.11	5.758		
7,000.00	5,919.97	6,962.53	5,652.70	77.14	85.85	28.82	334.57	3,795.49	419.62	345.68	73.94	5.675		
7,050.00	5,957.41	7,009.76	5,688.75	77.74	86.54	35.33	337.41	3,825.88	424.76	348.24	76.52	5.551		
7,100.00	5,993.37	7,055.43	5,723.60	78.32	87.22	41.48	340.15	3,855.25	431.03	351.01	80.02	5.387		
7,150.00	6,027.59	7,099.17	5,756.99	78.86	87.86	47.19	342.78	3,883.39	438.87	354.32	84.55	5.191		
7,200.00	6,059.79	7,140.66	5,788.66	79.36	88.47	52.33	345.28	3,910.09	448.76	358.67	90.10	4.981		
7,250.00	6,089.73	7,180.70	5,819.21	79.83	89.06	56.93	347.70	3,935.84	461.14	364.60	96.54	4.777		
7,300.00	6,117.20	7,235.30	5,860.67	80.25	89.85	62.04	353.95	3,970.80	475.58	372.21	103.37	4.601		
7,350.00	6,141.96	7,295.40	5,905.53	80.63	90.72	66.81	366.75	4,008.64	491.34	381.94	109.40	4.491		
7,400.00	6,163.85	7,362.50	5,954.08	80.98	91.64	71.32	388.22	4,049.62	507.96	394.00	113.96	4.457		
7,450.00	6,182.69	7,438.52	6,006.31	81.28	92.62	75.60	421.31	4,093.75	524.88	408.58	116.30	4.513		
7,500.00	6,198.33	7,525.76	6,061.49	81.54	93.64	79.66	470.04	4,140.41	541.37	425.85	115.52	4.686		
7,550.00	6,210.67	7,626.64	6,117.35	81.77	94.64	83.40	539.25	4,187.73	556.51	445.83	110.67	5.028		
7,600.00	6,219.60	7,742.90	6,169.04	81.96	95.55	86.60	633.45	4,231.61	569.14	468.02	101.12	5.628		
7,650.00	6,225.05	7,874.10	6,208.55	82.11	96.27	88.91	753.61	4,265.33	578.01	490.43	87.58	6.600		
7,702.53	6,227.00	8,023.19	6,226.79	82.24	96.73	89.98	900.31	4,281.21	582.06	508.83	73.23	7.948		
7,800.00	6,227.00	8,132.30	6,227.00	82.45	96.94	90.00	1,009.41	4,281.77	582.12	508.90	73.21	7.951		
7,900.00	6,227.00	8,232.30	6,227.00	82.68	97.13	90.00	1,109.41	4,282.12	582.11	507.34	74.78	7.784		
8,000.00	6,227.00	8,332.30	6,227.00	82.93	97.34	90.00	1,209.41	4,282.47	582.11	505.63	76.48	7.611		
8,100.00	6,227.00	8,432.30	6,227.00	83.20	97.57	90.00	1,309.40	4,282.82	582.11	503.81	78.30	7.434		
8,200.00	6,227.00	8,532.30	6,227.00	83.49	97.80	90.00	1,409.40	4,283.17	582.11	501.87	80.24	7.255		
8,300.00	6,227.00	8,632.30	6,227.00	83.80	98.05	90.00	1,509.40	4,283.52	582.11	499.82	82.29	7.074		
8,400.00	6,227.00	8,732.30	6,227.00	84.12	98.31	90.00	1,609.40	4,283.86	582.10	497.67	84.43	6.894		
8,500.00	6,227.00	8,832.30	6,227.00	84.47	98.59	90.00	1,709.40	4,284.21	582.10	495.43	86.67	6.716		
8,600.00	6,227.00	8,932.30	6,227.00	84.83	98.88	90.00	1,809.40	4,284.56	582.10	493.11	88.99	6.541		
8,700.00	6,227.00	9,032.30	6,227.00	85.22	99.19	90.00	1,909.40	4,284.91	582.10	490.70	91.39	6.369		
8,800.00	6,227.00	9,132.30	6,227.00	85.62	99.52	90.00	2,009.40	4,285.26	582.10	488.23	93.87	6.201		
8,900.00	6,227.00	9,232.30	6,227.00	86.05	99.86	90.00	2,109.40	4,285.61	582.09	485.69	96.41	6.038		
9,000.00	6,227.00	9,332.30	6,227.00	86.51	100.22	90.00	2,209.40	4,285.96	582.09	483.08	99.01	5.879		

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
9,100.00	6,227.00	9,432.30	6,227.00	86.98	100.59	90.00	2,309.40	4,286.31	582.09	480.42	101.67	5.725	
9,200.00	6,227.00	9,532.30	6,227.00	87.49	100.98	90.00	2,409.40	4,286.66	582.09	477.70	104.38	5.576	
9,300.00	6,227.00	9,632.30	6,227.00	88.01	101.40	90.00	2,509.40	4,287.01	582.09	474.94	107.14	5.433	
9,400.00	6,227.00	9,732.30	6,227.00	88.56	101.83	90.00	2,609.40	4,287.36	582.08	472.13	109.95	5.294	
9,500.00	6,227.00	9,832.30	6,227.00	89.14	102.27	90.00	2,709.40	4,287.71	582.08	469.28	112.80	5.160	
9,600.00	6,227.00	9,932.30	6,227.00	89.75	102.74	90.00	2,809.40	4,288.06	582.08	466.39	115.68	5.032	
9,700.00	6,227.00	10,032.30	6,227.00	90.38	103.23	90.00	2,909.39	4,288.41	582.08	463.47	118.61	4.908	
9,800.00	6,227.00	10,132.30	6,227.00	91.04	103.75	90.00	3,009.39	4,288.76	582.08	460.51	121.56	4.788	
9,900.00	6,227.00	10,232.30	6,227.00	91.73	104.28	90.00	3,109.39	4,289.11	582.07	457.52	124.55	4.673	
10,000.00	6,227.00	10,332.30	6,227.00	92.44	104.83	90.00	3,209.39	4,289.46	582.07	454.51	127.56	4.563	
10,100.00	6,227.00	10,432.30	6,227.00	93.19	105.41	90.00	3,309.39	4,289.81	582.07	451.46	130.61	4.457	
10,200.00	6,227.00	10,532.30	6,227.00	93.96	106.01	90.00	3,409.39	4,290.16	582.07	448.40	133.67	4.354	
10,300.00	6,227.00	10,632.30	6,227.00	94.76	106.64	90.00	3,509.39	4,290.51	582.07	445.30	136.76	4.256	
10,400.00	6,227.00	10,732.30	6,227.00	95.59	107.28	90.00	3,609.39	4,290.86	582.06	442.19	139.87	4.161	
10,500.00	6,227.00	10,832.30	6,227.00	96.45	107.95	90.00	3,709.39	4,291.21	582.06	439.06	143.01	4.070	
10,600.00	6,227.00	10,932.30	6,227.00	97.34	108.65	90.00	3,809.39	4,291.56	582.06	435.90	146.16	3.982	
10,700.00	6,227.00	11,032.30	6,227.00	98.26	109.37	90.00	3,909.39	4,291.91	582.06	432.73	149.32	3.898	
10,800.00	6,227.00	11,132.30	6,227.00	99.20	110.12	90.00	4,009.39	4,292.26	582.06	429.55	152.51	3.817	
10,900.00	6,227.00	11,232.30	6,227.00	100.18	110.89	90.00	4,109.39	4,292.61	582.05	426.34	155.71	3.738	
11,000.00	6,227.00	11,332.30	6,227.00	101.18	111.68	90.00	4,209.39	4,292.96	582.05	423.13	158.93	3.662	
11,100.00	6,227.00	11,432.30	6,227.00	102.20	112.51	90.00	4,309.39	4,293.31	582.05	419.89	162.15	3.589	
11,200.00	6,227.00	11,532.30	6,227.00	103.26	113.35	90.00	4,409.39	4,293.66	582.05	416.65	165.40	3.519	
11,300.00	6,227.00	11,632.30	6,227.00	104.33	114.22	90.00	4,509.39	4,294.01	582.05	413.39	168.65	3.451	
11,400.00	6,227.00	11,732.30	6,227.00	105.44	115.12	90.00	4,609.38	4,294.36	582.04	410.13	171.92	3.386	
11,500.00	6,227.00	11,832.30	6,227.00	106.57	116.04	90.00	4,709.38	4,294.71	582.04	406.85	175.19	3.322	
11,600.00	6,227.00	11,932.30	6,227.00	107.72	116.99	90.00	4,809.38	4,295.06	582.04	403.56	178.48	3.261	
11,700.00	6,227.00	12,032.30	6,227.00	108.89	117.96	90.00	4,909.38	4,295.41	582.04	400.26	181.78	3.202	
11,800.00	6,227.00	12,132.30	6,227.00	110.09	118.96	90.00	5,009.38	4,295.76	582.03	396.95	185.08	3.145	
11,900.00	6,227.00	12,232.30	6,227.00	111.31	119.97	90.00	5,109.38	4,296.11	582.03	393.63	188.40	3.089	
12,000.00	6,227.00	12,332.30	6,227.00	112.54	121.02	90.00	5,209.38	4,296.46	582.03	390.31	191.72	3.036	
12,100.00	6,227.00	12,432.30	6,227.00	113.80	122.08	90.00	5,309.38	4,296.81	582.03	386.98	195.05	2.984	
12,200.00	6,227.00	12,532.30	6,227.00	115.08	123.17	90.00	5,409.38	4,297.16	582.03	383.64	198.39	2.934	
12,300.00	6,227.00	12,632.30	6,227.00	116.37	124.28	90.00	5,509.38	4,297.51	582.02	380.29	201.74	2.885	
12,400.00	6,227.00	12,732.30	6,227.00	117.69	125.41	90.00	5,609.38	4,297.86	582.02	376.93	205.09	2.838	
12,500.00	6,227.00	12,832.30	6,227.00	119.02	126.56	90.00	5,709.38	4,298.21	582.02	373.57	208.45	2.792	
12,600.00	6,227.00	12,932.30	6,227.00	120.36	127.73	90.00	5,809.38	4,298.56	582.02	370.21	211.81	2.748	
12,700.00	6,227.00	13,032.30	6,227.00	121.72	128.92	90.00	5,909.38	4,298.91	582.02	366.83	215.18	2.705	
12,800.00	6,227.00	13,132.30	6,227.00	123.10	130.14	90.00	6,009.38	4,299.26	582.01	363.46	218.56	2.663	
12,900.00	6,227.00	13,232.30	6,227.00	124.49	131.36	90.00	6,109.38	4,299.60	582.01	360.07	221.94	2.622	
13,000.00	6,227.00	13,332.30	6,227.00	125.89	132.61	90.00	6,209.37	4,299.95	582.01	356.68	225.33	2.583	
13,100.00	6,227.00	13,432.30	6,227.00	127.31	133.88	90.00	6,309.37	4,300.30	582.01	353.29	228.72	2.545	
13,200.00	6,227.00	13,532.30	6,227.00	128.74	135.16	90.00	6,409.37	4,300.65	582.01	349.89	232.12	2.507	
13,300.00	6,227.00	13,632.30	6,227.00	130.18	136.46	90.00	6,509.37	4,301.00	582.00	346.49	235.52	2.471	
13,400.00	6,227.00	13,732.30	6,227.00	131.63	137.77	90.00	6,609.37	4,301.35	582.00	343.08	238.92	2.436	
13,500.00	6,227.00	13,832.30	6,227.00	133.09	139.10	90.00	6,709.37	4,301.70	582.00	339.67	242.33	2.402	
13,600.00	6,227.00	13,932.30	6,227.00	134.57	140.44	90.00	6,809.37	4,302.05	582.00	336.26	245.74	2.368	
13,700.00	6,227.00	14,032.30	6,227.00	136.05	141.80	90.00	6,909.37	4,302.40	582.00	332.84	249.16	2.336	
13,800.00	6,227.00	14,132.30	6,227.00	137.54	143.17	90.00	7,009.37	4,302.75	581.99	329.42	252.58	2.304	
13,900.00	6,227.00	14,232.30	6,227.00	139.05	144.55	90.00	7,109.37	4,303.10	581.99	325.99	256.00	2.273	
14,000.00	6,227.00	14,332.30	6,227.00	140.56	145.95	90.00	7,209.37	4,303.45	581.99	322.56	259.43	2.243	
14,100.00	6,227.00	14,432.30	6,227.00	142.07	147.35	90.00	7,309.37	4,303.80	581.99	319.13	262.86	2.214	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-20-08 - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,200.00	6,227.00	14,532.30	6,227.00	143.60	148.77	90.00	7,409.37	4,304.15	581.99	315.69	266.29	2.186	
14,300.00	6,227.00	14,632.30	6,227.00	145.14	150.20	90.00	7,509.37	4,304.50	581.98	312.26	269.73	2.158	
14,400.00	6,227.00	14,732.30	6,227.00	146.68	151.64	90.00	7,609.37	4,304.85	581.98	308.82	273.17	2.131	
14,500.00	6,227.00	14,832.30	6,227.00	148.23	153.09	90.00	7,709.37	4,305.20	581.98	305.37	276.61	2.104	
14,600.00	6,227.00	14,932.30	6,227.00	149.78	154.56	90.00	7,809.37	4,305.55	581.98	301.93	280.05	2.078	
14,700.00	6,227.00	15,032.30	6,227.00	151.35	156.03	90.00	7,909.36	4,305.90	581.98	298.48	283.50	2.053	
14,800.00	6,227.00	15,132.30	6,227.00	152.91	157.51	90.00	8,009.36	4,306.25	581.97	295.03	286.95	2.028	
14,900.00	6,227.00	15,232.30	6,227.00	154.49	158.99	90.00	8,109.36	4,306.60	581.97	291.57	290.40	2.004	
15,000.00	6,227.00	15,332.30	6,227.00	156.07	160.49	90.00	8,209.36	4,306.95	581.97	288.12	293.85	1.980	
15,100.00	6,227.00	15,432.30	6,227.00	157.65	162.00	90.00	8,309.36	4,307.30	581.97	284.66	297.31	1.957	
15,200.00	6,227.00	15,532.30	6,227.00	159.24	163.51	90.00	8,409.36	4,307.65	581.97	281.20	300.77	1.935	
15,300.00	6,227.00	15,632.30	6,227.00	160.84	165.03	90.00	8,509.36	4,308.00	581.96	277.74	304.23	1.913	
15,400.00	6,227.00	15,732.30	6,227.00	162.44	166.55	90.00	8,609.36	4,308.35	581.96	274.27	307.69	1.891	
15,500.00	6,227.00	15,832.30	6,227.00	164.05	168.09	90.00	8,709.36	4,308.70	581.96	270.81	311.15	1.870	
15,600.00	6,227.00	15,932.30	6,227.00	165.66	169.63	90.00	8,809.36	4,309.05	581.96	267.34	314.62	1.850	
15,700.00	6,227.00	16,032.30	6,227.00	167.27	171.18	90.00	8,909.36	4,309.40	581.96	263.87	318.09	1.830	
15,800.00	6,227.00	16,132.30	6,227.00	168.89	172.73	90.00	9,009.36	4,309.75	581.95	260.40	321.55	1.810	
15,900.00	6,227.00	16,232.30	6,227.00	170.51	174.29	90.00	9,109.36	4,310.10	581.95	256.93	325.03	1.790	
16,000.00	6,227.00	16,332.30	6,227.00	172.14	175.85	90.00	9,209.36	4,310.45	581.95	253.45	328.50	1.772	
16,100.00	6,227.00	16,432.30	6,227.00	173.77	177.42	90.00	9,309.36	4,310.80	581.95	249.98	331.97	1.753	
16,200.00	6,227.00	16,532.30	6,227.00	175.40	179.00	90.00	9,409.36	4,311.15	581.95	246.50	335.45	1.735	
16,300.00	6,227.00	16,632.30	6,227.00	177.04	180.58	90.00	9,509.35	4,311.50	581.94	243.02	338.92	1.717	
16,400.00	6,227.00	16,732.30	6,227.00	178.68	182.17	90.00	9,609.35	4,311.85	581.94	239.54	342.40	1.700	
16,500.00	6,227.00	16,832.30	6,227.00	180.32	183.76	90.00	9,709.35	4,312.20	581.94	236.06	345.88	1.682	
16,600.00	6,227.00	16,932.30	6,227.00	181.96	185.35	90.00	9,809.35	4,312.55	581.94	232.57	349.36	1.666	
16,700.00	6,227.00	17,032.30	6,227.00	183.61	186.95	90.00	9,909.35	4,312.90	581.94	229.09	352.85	1.649	
16,800.00	6,227.00	17,132.30	6,227.00	185.27	188.55	90.00	10,009.35	4,313.25	581.93	225.60	356.33	1.633	
16,900.00	6,227.00	17,232.30	6,227.00	186.92	190.16	90.00	10,109.35	4,313.60	581.93	222.12	359.82	1.617	
17,000.00	6,227.00	17,332.30	6,227.00	188.58	191.77	90.00	10,209.35	4,313.95	581.93	218.63	363.30	1.602	
17,100.00	6,227.00	17,432.30	6,227.00	190.24	193.39	90.00	10,309.35	4,314.30	581.93	215.14	366.79	1.587	
17,200.00	6,227.00	17,532.30	6,227.00	191.90	195.01	90.00	10,409.35	4,314.65	581.93	211.65	370.28	1.572	
17,300.00	6,227.00	17,632.30	6,227.00	193.57	196.63	90.00	10,509.35	4,315.00	581.92	208.16	373.77	1.557	
17,345.47	6,227.00	17,677.76	6,227.00	194.32	197.37	90.00	10,554.81	4,315.15	581.92	206.57	375.36	1.550	
17,348.07	6,227.00	17,677.76	6,227.00	194.37	197.37	90.00	10,554.81	4,315.15	581.93	206.07	375.86	1.548 SF	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-30-05 - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	0.40	39.71	0.28	39.71				
100.00	100.00	100.00	100.00	0.27	0.27	0.40	39.71	0.28	39.71	39.17	0.54	73.844	
200.00	200.00	200.00	200.00	0.63	0.63	0.40	39.71	0.28	39.71	38.45	1.25	31.647	
300.00	299.98	299.98	299.98	0.98	0.99	-86.32	39.71	0.28	39.56	37.59	1.97	20.124	
356.74	356.66	356.66	356.66	1.18	1.19	-90.00	39.71	0.28	39.47	37.10	2.37	16.651 CC	
400.00	399.84	399.84	399.84	1.34	1.34	-93.89	39.71	0.28	39.57	36.89	2.68	14.767 ES	
500.00	499.45	499.76	499.74	1.71	1.70	-103.71	39.95	2.00	40.71	37.31	3.40	11.974	
600.00	598.70	599.92	599.76	2.10	2.05	-112.69	40.67	7.18	43.09	38.96	4.13	10.427	
700.00	697.47	700.33	699.78	2.51	2.41	-120.46	41.88	15.86	46.52	41.63	4.89	9.522	
800.00	795.62	800.98	799.68	2.95	2.80	-126.96	43.58	28.03	50.78	45.12	5.66	8.977	
900.00	893.06	901.89	899.32	3.44	3.20	-132.29	45.77	43.71	55.67	49.22	6.45	8.637	
1,000.00	989.64	1,003.04	998.59	3.96	3.64	-136.61	48.46	62.91	61.03	53.77	7.25	8.415	
1,100.00	1,085.27	1,104.44	1,097.36	4.54	4.11	-140.11	51.63	85.62	66.73	58.65	8.08	8.258	
1,200.00	1,179.82	1,206.08	1,195.49	5.16	4.62	-142.94	55.29	111.85	72.68	63.75	8.93	8.138	
1,300.00	1,273.17	1,307.97	1,292.85	5.85	5.19	-145.23	59.45	141.59	78.80	68.99	9.81	8.036	
1,400.00	1,365.21	1,410.11	1,389.31	6.59	5.81	-147.09	64.09	174.83	85.04	74.33	10.71	7.939	
1,500.00	1,455.84	1,512.50	1,484.74	7.40	6.49	-148.60	69.22	211.54	91.36	79.71	11.65	7.842	
1,600.00	1,544.94	1,615.11	1,579.00	8.28	7.23	-149.82	74.83	251.69	97.73	85.10	12.62	7.741	
1,700.00	1,632.39	1,714.75	1,669.82	9.23	8.00	-151.26	80.50	292.29	105.66	92.02	13.63	7.750	
1,800.00	1,718.11	1,814.05	1,760.32	10.25	8.78	-153.25	86.16	332.75	116.75	102.16	14.59	8.002	
1,900.00	1,801.97	1,912.87	1,850.40	11.35	9.57	-155.51	91.78	373.02	131.11	115.61	15.50	8.459	
2,005.96	1,888.70	2,016.94	1,945.25	12.60	10.42	-157.93	97.71	415.42	150.00	133.58	16.43	9.132	
2,100.00	1,964.66	2,108.97	2,029.13	13.75	11.17	-159.94	102.94	452.92	168.57	151.32	17.24	9.776	
2,200.00	2,045.44	2,206.83	2,118.33	14.99	11.98	-161.63	108.51	492.79	188.48	170.35	18.13	10.397	
2,300.00	2,126.22	2,304.69	2,207.52	16.24	12.79	-163.00	114.09	532.66	208.52	189.49	19.03	10.958	
2,400.00	2,207.00	2,402.55	2,296.72	17.50	13.61	-164.13	119.66	572.54	228.66	208.72	19.94	11.466	
2,500.00	2,287.78	2,500.41	2,385.91	18.77	14.43	-165.08	125.23	612.41	248.87	228.00	20.87	11.927	
2,600.00	2,368.56	2,598.27	2,475.11	20.04	15.25	-165.89	130.80	652.28	269.14	247.34	21.80	12.347	
2,700.00	2,449.34	2,696.14	2,564.30	21.31	16.08	-166.58	136.37	692.16	289.44	266.71	22.74	12.730	
2,800.00	2,530.12	2,794.00	2,653.50	22.59	16.91	-167.18	141.94	732.03	309.79	286.11	23.68	13.082	
2,900.00	2,610.90	2,891.86	2,742.69	23.88	17.73	-167.71	147.51	771.90	330.16	305.53	24.63	13.404	
3,000.00	2,691.68	2,989.72	2,831.89	25.16	18.57	-168.18	153.08	811.78	350.56	324.97	25.59	13.702	
3,100.00	2,772.46	3,087.58	2,921.08	26.45	19.40	-168.59	158.65	851.65	370.97	344.43	26.54	13.976	
3,200.00	2,853.23	3,185.44	3,010.28	27.74	20.23	-168.96	164.22	891.52	391.41	363.90	27.50	14.231	
3,300.00	2,934.01	3,283.30	3,099.47	29.03	21.06	-169.30	169.79	931.40	411.85	383.38	28.47	14.467	
3,400.00	3,014.79	3,381.16	3,188.67	30.32	21.90	-169.60	175.36	971.27	432.31	402.88	29.44	14.686	
3,500.00	3,095.57	3,479.02	3,277.86	31.61	22.74	-169.88	180.93	1,011.14	452.78	422.38	30.41	14.891	
3,600.00	3,176.35	3,576.88	3,367.06	32.91	23.57	-170.13	186.50	1,051.02	473.26	441.88	31.38	15.083	
3,700.00	3,257.13	3,674.74	3,456.25	34.20	24.41	-170.36	192.07	1,090.89	493.75	461.40	32.35	15.262	
3,800.00	3,337.91	3,772.60	3,545.45	35.50	25.25	-170.57	197.65	1,130.76	514.24	480.92	33.33	15.430	
3,900.00	3,418.69	3,870.46	3,634.64	36.80	26.09	-170.77	203.22	1,170.64	534.74	500.44	34.30	15.588	
4,000.00	3,499.47	3,968.32	3,723.84	38.09	26.92	-170.95	208.79	1,210.51	555.25	519.97	35.28	15.737	
4,100.00	3,580.25	4,066.18	3,813.03	39.39	27.76	-171.12	214.36	1,250.38	575.76	539.50	36.26	15.878	
4,200.00	3,661.03	4,164.04	3,902.23	40.69	28.60	-171.28	219.93	1,290.25	596.28	559.03	37.24	16.010	
4,300.00	3,741.81	4,261.90	3,991.42	41.99	29.44	-171.42	225.50	1,330.13	616.80	578.57	38.23	16.136	
4,400.00	3,822.58	4,359.76	4,080.62	43.29	30.28	-171.56	231.07	1,370.00	637.32	598.11	39.21	16.255	
4,500.00	3,903.36	4,457.62	4,169.81	44.59	31.13	-171.69	236.64	1,409.87	657.85	617.65	40.19	16.367	
4,600.00	3,984.14	4,555.48	4,259.01	45.89	31.97	-171.81	242.21	1,449.75	678.38	637.20	41.18	16.475	
4,700.00	4,064.92	4,653.34	4,348.20	47.20	32.81	-171.92	247.78	1,489.62	698.91	656.75	42.16	16.576	
4,800.00	4,145.70	4,751.20	4,437.40	48.50	33.65	-172.03	253.35	1,529.49	719.44	676.29	43.15	16.673	
4,900.00	4,226.48	4,849.06	4,526.59	49.80	34.49	-172.13	258.92	1,569.37	739.98	695.84	44.14	16.766	

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-20-07
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-20-07	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	4,307.26	4,946.92	4,615.79	51.10	35.33	-172.23	264.49	1,609.24	760.52	715.40	45.12	16.854	
5,100.00	4,388.04	5,044.78	4,704.98	52.40	36.17	-172.32	270.06	1,649.11	781.06	734.95	46.11	16.938	
5,200.00	4,468.82	5,142.64	4,794.18	53.71	37.02	-172.41	275.63	1,688.99	801.60	754.50	47.10	17.019	
5,300.00	4,549.60	5,240.50	4,883.37	55.01	37.86	-172.49	281.21	1,728.86	822.15	774.06	48.09	17.096	
5,400.00	4,630.38	5,338.36	4,972.57	56.31	38.70	-172.57	286.78	1,768.73	842.69	793.61	49.08	17.170	
5,500.00	4,711.16	5,436.22	5,061.76	57.62	39.54	-172.64	292.35	1,808.61	863.24	813.17	50.07	17.240	
5,600.00	4,791.93	5,534.08	5,150.96	58.92	40.39	-172.71	297.92	1,848.48	883.79	832.73	51.06	17.308	
5,700.00	4,872.71	5,631.94	5,240.15	60.23	41.23	-172.78	303.49	1,888.35	904.34	852.29	52.05	17.373	
5,800.00	4,953.49	5,729.80	5,329.35	61.53	42.07	-172.84	309.06	1,928.23	924.89	871.85	53.04	17.436	
5,900.00	5,034.27	5,827.66	5,418.54	62.83	42.92	-172.90	314.63	1,968.10	945.44	891.41	54.04	17.496	
6,000.00	5,115.05	5,925.52	5,507.74	64.14	43.76	-172.96	320.20	2,007.97	966.00	910.97	55.03	17.554	
6,100.00	5,195.83	6,023.38	5,596.93	65.44	44.60	-173.02	325.77	2,047.84	986.55	930.53	56.02	17.610	
6,200.00	5,276.61	6,121.24	5,686.13	66.75	45.45	-173.08	331.34	2,087.72	1,007.11	950.09	57.01	17.664	
6,300.00	5,357.39	6,217.87	5,774.07	68.05	46.28	-173.04	338.38	2,127.05	1,027.69	969.65	58.04	17.708	
6,400.00	5,438.17	6,310.77	5,865.85	69.36	47.08	-172.29	357.86	2,164.20	1,048.59	989.27	59.33	17.675	
6,500.00	5,518.95	6,397.17	5,930.27	70.66	47.80	-170.89	388.90	2,197.31	1,070.44	1,009.51	60.92	17.570	
6,600.00	5,599.73	6,474.33	5,991.54	71.97	48.42	-169.13	426.59	2,225.06	1,094.18	1,031.43	62.75	17.437	
6,700.00	5,680.51	6,541.32	6,040.56	73.27	48.92	-167.25	466.38	2,247.36	1,120.87	1,056.21	64.65	17.337	
6,800.00	5,761.29	6,600.00	6,079.73	74.58	49.33	-165.38	506.19	2,265.27	1,151.36	1,084.86	66.50	17.313	
6,837.84	5,791.85	6,617.88	6,090.90	75.07	49.45	-164.77	519.18	2,270.39	1,164.02	1,096.96	67.06	17.357	
6,850.00	5,801.67	6,623.90	6,094.58	75.23	49.49	-162.47	523.64	2,272.08	1,168.21	1,100.96	67.25	17.371	
6,900.00	5,841.80	6,650.00	6,110.01	75.88	49.67	-153.18	543.44	2,279.18	1,185.60	1,117.59	68.01	17.433	
6,950.00	5,881.33	6,673.56	6,123.23	76.52	49.81	-144.47	561.97	2,285.28	1,203.09	1,134.57	68.52	17.558	
7,000.00	5,919.97	6,700.00	6,137.21	77.14	49.98	-136.34	583.46	2,291.75	1,220.48	1,151.44	69.03	17.679	
7,050.00	5,957.41	6,723.48	6,148.85	77.74	50.12	-129.04	603.11	2,297.15	1,237.53	1,168.26	69.27	17.865	
7,100.00	5,993.37	6,750.00	6,161.10	78.32	50.28	-122.44	625.93	2,302.86	1,254.08	1,184.55	69.53	18.036	
7,150.00	6,027.59	6,773.62	6,171.19	78.86	50.41	-116.66	646.76	2,307.59	1,269.94	1,200.42	69.52	18.268	
7,200.00	6,059.79	6,800.00	6,181.52	79.36	50.55	-111.54	670.54	2,312.45	1,284.95	1,215.42	69.53	18.480	
7,250.00	6,089.73	6,823.95	6,190.02	79.83	50.67	-107.13	692.56	2,316.48	1,298.96	1,229.66	69.31	18.742	
7,300.00	6,117.20	6,850.00	6,198.29	80.25	50.81	-103.30	716.94	2,320.43	1,311.86	1,242.76	69.11	18.983	
7,350.00	6,141.96	6,874.44	6,205.13	80.63	50.92	-100.06	740.16	2,323.73	1,323.53	1,254.79	68.73	19.256	
7,400.00	6,163.85	6,900.00	6,211.31	80.98	51.05	-97.31	764.78	2,326.75	1,333.86	1,265.50	68.36	19.513	
7,450.00	6,182.69	6,925.04	6,216.38	81.28	51.16	-95.05	789.17	2,329.27	1,342.77	1,274.87	67.90	19.775	
7,500.00	6,198.33	6,950.00	6,220.46	81.54	51.27	-93.24	813.71	2,331.36	1,350.19	1,282.78	67.41	20.029	
7,550.00	6,210.67	6,975.73	6,223.64	81.77	51.37	-91.84	839.18	2,333.05	1,356.07	1,289.12	66.95	20.255	
7,600.00	6,219.60	7,000.00	6,225.68	81.96	51.47	-90.85	863.33	2,334.21	1,360.35	1,293.93	66.42	20.482	
7,650.00	6,225.05	7,026.46	6,226.84	82.11	51.57	-90.23	889.75	2,335.01	1,363.00	1,296.98	66.01	20.647	
7,702.53	6,227.00	7,065.17	6,227.00	82.24	51.72	-90.00	928.46	2,335.50	1,363.89	1,297.75	66.14	20.622	
7,800.00	6,227.00	7,162.65	6,227.00	82.45	52.10	-90.00	1,025.93	2,336.53	1,363.20	1,295.51	67.69	20.139	
7,900.00	6,227.00	7,262.64	6,227.00	82.68	52.53	-90.00	1,125.92	2,337.59	1,362.49	1,293.07	69.42	19.627	
8,000.00	6,227.00	7,362.64	6,227.00	82.93	53.00	-90.00	1,225.92	2,338.66	1,361.78	1,290.50	71.28	19.104	
8,100.00	6,227.00	7,462.64	6,227.00	83.20	53.51	-90.00	1,325.91	2,339.72	1,361.07	1,287.80	73.27	18.576	
8,200.00	6,227.00	7,562.64	6,227.00	83.49	54.06	-90.00	1,425.90	2,340.78	1,360.36	1,284.98	75.37	18.049	
8,300.00	6,227.00	7,662.63	6,227.00	83.80	54.66	-90.00	1,525.89	2,341.85	1,359.64	1,282.07	77.58	17.526	
8,400.00	6,227.00	7,762.63	6,227.00	84.12	55.30	-90.00	1,625.88	2,342.91	1,358.93	1,279.05	79.88	17.012	
8,500.00	6,227.00	7,862.63	6,227.00	84.47	55.98	-90.00	1,725.87	2,343.97	1,358.22	1,275.95	82.27	16.509	
8,600.00	6,227.00	7,962.63	6,227.00	84.83	56.71	-90.00	1,825.87	2,345.03	1,357.51	1,272.77	84.74	16.019	
8,700.00	6,227.00	8,062.62	6,227.00	85.22	57.48	-90.00	1,925.86	2,346.10	1,356.80	1,269.51	87.29	15.544	
8,800.00	6,227.00	8,162.62	6,227.00	85.62	58.30	-90.00	2,025.85	2,347.16	1,356.09	1,266.19	89.90	15.085	
8,900.00	6,227.00	8,262.62	6,227.00	86.05	59.16	-90.00	2,125.84	2,348.22	1,355.38	1,262.81	92.57	14.641	
9,000.00	6,227.00	8,362.62	6,227.00	86.51	60.06	-90.00	2,225.83	2,349.29	1,354.67	1,259.36	95.30	14.214	

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-30-05 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	6,227.00	8,462.61	6,227.00	86.98	61.01	-90.00	2,325.83	2,350.35	1,353.96	1,255.87	98.09	13.804		
9,200.00	6,227.00	8,562.61	6,227.00	87.49	61.99	-90.00	2,425.82	2,351.41	1,353.24	1,252.33	100.92	13.410		
9,300.00	6,227.00	8,662.61	6,227.00	88.01	63.02	-90.00	2,525.81	2,352.47	1,352.53	1,248.74	103.79	13.031		
9,400.00	6,227.00	8,762.61	6,227.00	88.56	64.08	-90.00	2,625.80	2,353.54	1,351.82	1,245.12	106.70	12.669		
9,500.00	6,227.00	8,862.60	6,227.00	89.14	65.18	-90.00	2,725.79	2,354.60	1,351.11	1,241.46	109.66	12.321		
9,600.00	6,227.00	8,962.60	6,227.00	89.75	66.31	-90.00	2,825.78	2,355.66	1,350.40	1,237.76	112.64	11.989		
9,700.00	6,227.00	9,062.60	6,227.00	90.38	67.48	-90.00	2,925.78	2,356.73	1,349.69	1,234.03	115.66	11.670		
9,800.00	6,227.00	9,162.60	6,227.00	91.04	68.67	-90.00	3,025.77	2,357.79	1,348.98	1,230.28	118.70	11.364		
9,900.00	6,227.00	9,262.59	6,227.00	91.73	69.90	-90.00	3,125.76	2,358.85	1,348.27	1,226.49	121.78	11.072		
10,000.00	6,227.00	9,362.59	6,227.00	92.44	71.15	-90.00	3,225.75	2,359.91	1,347.56	1,222.68	124.87	10.791		
10,100.00	6,227.00	9,462.59	6,227.00	93.19	72.44	-90.00	3,325.74	2,360.98	1,346.84	1,218.85	127.99	10.523		
10,200.00	6,227.00	9,562.59	6,227.00	93.96	73.74	-90.00	3,425.74	2,362.04	1,346.13	1,215.00	131.14	10.265		
10,300.00	6,227.00	9,662.58	6,227.00	94.76	75.07	-90.00	3,525.73	2,363.10	1,345.42	1,211.12	134.30	10.018		
10,400.00	6,227.00	9,762.58	6,227.00	95.59	76.42	-90.00	3,625.72	2,364.17	1,344.71	1,207.23	137.48	9.781		
10,500.00	6,227.00	9,862.58	6,227.00	96.45	77.79	-90.00	3,725.71	2,365.23	1,344.00	1,203.32	140.68	9.554		
10,600.00	6,227.00	9,962.58	6,227.00	97.34	79.18	-90.00	3,825.70	2,366.29	1,343.29	1,199.40	143.89	9.335		
10,700.00	6,227.00	10,062.57	6,227.00	98.26	80.59	-90.00	3,925.69	2,367.35	1,342.58	1,195.46	147.12	9.126		
10,800.00	6,227.00	10,162.57	6,227.00	99.20	82.01	-90.00	4,025.69	2,368.42	1,341.87	1,191.50	150.36	8.924		
10,900.00	6,227.00	10,262.57	6,227.00	100.18	83.46	-90.00	4,125.68	2,369.48	1,341.16	1,187.54	153.62	8.730		
11,000.00	6,227.00	10,362.57	6,227.00	101.18	84.91	-90.00	4,225.67	2,370.54	1,340.45	1,183.56	156.89	8.544		
11,100.00	6,227.00	10,462.56	6,227.00	102.20	86.38	-90.00	4,325.66	2,371.61	1,339.73	1,179.56	160.17	8.364		
11,200.00	6,227.00	10,562.56	6,227.00	103.26	87.87	-90.00	4,425.65	2,372.67	1,339.02	1,175.56	163.46	8.192		
11,300.00	6,227.00	10,662.56	6,227.00	104.33	89.36	-90.00	4,525.65	2,373.73	1,338.31	1,171.55	166.76	8.025		
11,400.00	6,227.00	10,762.56	6,227.00	105.44	90.87	-90.00	4,625.64	2,374.79	1,337.60	1,167.53	170.08	7.865		
11,500.00	6,227.00	10,862.55	6,227.00	106.57	92.39	-90.00	4,725.63	2,375.86	1,336.89	1,163.49	173.40	7.710		
11,600.00	6,227.00	10,962.55	6,227.00	107.72	93.92	-90.00	4,825.62	2,376.92	1,336.18	1,159.45	176.73	7.561		
11,700.00	6,227.00	11,062.55	6,227.00	108.89	95.46	-90.00	4,925.61	2,377.98	1,335.47	1,155.40	180.06	7.417		
11,800.00	6,227.00	11,162.55	6,227.00	110.09	97.01	-90.00	5,025.60	2,379.05	1,334.76	1,151.35	183.41	7.277		
11,900.00	6,227.00	11,262.54	6,227.00	111.31	98.57	-90.00	5,125.60	2,380.11	1,334.05	1,147.28	186.76	7.143		
12,000.00	6,227.00	11,362.54	6,227.00	112.54	100.13	-90.00	5,225.59	2,381.17	1,333.33	1,143.21	190.12	7.013		
12,100.00	6,227.00	11,462.54	6,227.00	113.80	101.71	-90.00	5,325.58	2,382.23	1,332.62	1,139.13	193.49	6.887		
12,200.00	6,227.00	11,562.54	6,227.00	115.08	103.29	-90.00	5,425.57	2,383.30	1,331.91	1,135.05	196.86	6.766		
12,300.00	6,227.00	11,662.53	6,227.00	116.37	104.88	-90.00	5,525.56	2,384.36	1,331.20	1,130.96	200.24	6.648		
12,400.00	6,227.00	11,756.48	6,227.00	117.69	106.37	-90.00	5,619.51	2,385.33	1,330.53	1,127.38	203.16	6.549		
12,410.76	6,227.00	11,763.83	6,227.00	117.83	106.49	-90.00	5,626.85	2,385.36	1,330.52	1,127.26	203.26	6.546		
12,500.00	6,227.00	11,832.43	6,227.00	119.02	107.58	-90.00	5,695.45	2,384.89	1,331.40	1,126.73	204.67	6.505		
12,600.00	6,227.00	11,932.42	6,227.00	120.36	109.18	-90.00	5,795.43	2,383.69	1,332.95	1,124.88	208.07	6.406		
12,700.00	6,227.00	12,032.40	6,227.00	121.72	110.77	-90.00	5,895.41	2,382.49	1,334.50	1,123.03	211.47	6.311		
12,800.00	6,227.00	12,132.39	6,227.00	123.10	112.38	-90.00	5,995.39	2,381.29	1,336.05	1,121.17	214.88	6.218		
12,900.00	6,227.00	12,232.38	6,227.00	124.49	113.99	-90.00	6,095.37	2,380.09	1,337.60	1,119.31	218.29	6.128		
13,000.00	6,227.00	12,332.37	6,227.00	125.89	115.61	-90.00	6,195.35	2,378.89	1,339.15	1,117.45	221.70	6.040		
13,100.00	6,227.00	12,432.36	6,227.00	127.31	117.23	-90.00	6,295.34	2,377.69	1,340.70	1,115.58	225.12	5.955		
13,200.00	6,227.00	12,532.34	6,227.00	128.74	118.86	-90.00	6,395.32	2,376.49	1,342.25	1,113.71	228.55	5.873		
13,300.00	6,227.00	12,632.33	6,227.00	130.18	120.49	-90.00	6,495.30	2,375.30	1,343.80	1,111.83	231.98	5.793		
13,400.00	6,227.00	12,732.32	6,227.00	131.63	122.13	-90.00	6,595.28	2,374.10	1,345.36	1,109.95	235.41	5.715		
13,500.00	6,227.00	12,832.31	6,227.00	133.09	123.77	-90.00	6,695.26	2,372.90	1,346.91	1,108.06	238.84	5.639		
13,600.00	6,227.00	12,932.30	6,227.00	134.57	125.41	-90.00	6,795.24	2,371.70	1,348.46	1,106.18	242.28	5.566		
13,700.00	6,227.00	13,032.28	6,227.00	136.05	127.06	-90.00	6,895.22	2,370.50	1,350.01	1,104.28	245.72	5.494		
13,800.00	6,227.00	13,132.27	6,227.00	137.54	128.72	-90.00	6,995.20	2,369.30	1,351.56	1,102.39	249.17	5.424		
13,900.00	6,227.00	13,232.26	6,227.00	139.05	130.37	-90.00	7,095.18	2,368.10	1,353.11	1,100.49	252.62	5.356		
14,000.00	6,227.00	13,332.25	6,227.00	140.56	132.03	-90.00	7,195.16	2,366.90	1,354.66	1,098.59	256.07	5.290		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 36-T5N-R63W - STATE NORTH PLATTE F-36 FED 25N-30-05 - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.00	6,227.00	13,432.24	6,227.00	142.07	133.70	-90.00	7,295.14	2,365.70	1,356.21	1,096.69	259.52	5.226	
14,200.00	6,227.00	13,532.22	6,227.00	143.60	135.37	-90.00	7,395.12	2,364.51	1,357.76	1,094.79	262.97	5.163	
14,300.00	6,227.00	13,632.21	6,227.00	145.14	137.04	-90.00	7,495.11	2,363.31	1,359.31	1,092.88	266.43	5.102	
14,400.00	6,227.00	13,732.20	6,227.00	146.68	138.71	-90.00	7,595.09	2,362.11	1,360.86	1,090.97	269.89	5.042	
14,500.00	6,227.00	13,832.19	6,227.00	148.23	140.39	-90.00	7,695.07	2,360.91	1,362.41	1,089.06	273.36	4.984	
14,600.00	6,227.00	13,932.18	6,227.00	149.78	142.07	-90.00	7,795.05	2,359.71	1,363.96	1,087.14	276.82	4.927	
14,700.00	6,227.00	14,032.16	6,227.00	151.35	143.75	-90.00	7,895.03	2,358.51	1,365.51	1,085.23	280.29	4.872	
14,800.00	6,227.00	14,132.15	6,227.00	152.91	145.43	-90.00	7,995.01	2,357.31	1,367.07	1,083.31	283.76	4.818	
14,900.00	6,227.00	14,232.14	6,227.00	154.49	147.12	-90.00	8,094.99	2,356.11	1,368.62	1,081.39	287.23	4.765	
15,000.00	6,227.00	14,332.13	6,227.00	156.07	148.81	-90.00	8,194.97	2,354.92	1,370.17	1,079.46	290.70	4.713	
15,100.00	6,227.00	14,432.11	6,227.00	157.65	150.50	-90.00	8,294.95	2,353.72	1,371.72	1,077.54	294.18	4.663	
15,200.00	6,227.00	14,532.10	6,227.00	159.24	152.19	-90.00	8,394.93	2,352.52	1,373.27	1,075.61	297.66	4.614	
15,300.00	6,227.00	14,632.09	6,227.00	160.84	153.89	-90.00	8,494.91	2,351.32	1,374.82	1,073.68	301.14	4.565	
15,400.00	6,227.00	14,732.08	6,227.00	162.44	155.59	-90.00	8,594.89	2,350.12	1,376.37	1,071.75	304.62	4.518	
15,500.00	6,227.00	14,832.07	6,227.00	164.05	157.29	-90.00	8,694.87	2,348.92	1,377.92	1,069.82	308.10	4.472	
15,600.00	6,227.00	14,932.05	6,227.00	165.66	158.99	-90.00	8,794.86	2,347.72	1,379.47	1,067.89	311.58	4.427	
15,700.00	6,227.00	15,032.04	6,227.00	167.27	160.69	-90.00	8,894.84	2,346.52	1,381.02	1,065.96	315.07	4.383	
15,800.00	6,227.00	15,132.03	6,227.00	168.89	162.40	-90.00	8,994.82	2,345.32	1,382.57	1,064.02	318.55	4.340	
15,900.00	6,227.00	15,232.02	6,227.00	170.51	164.10	-90.00	9,094.80	2,344.13	1,384.12	1,062.08	322.04	4.298	
16,000.00	6,227.00	15,332.01	6,227.00	172.14	165.81	-90.00	9,194.78	2,342.93	1,385.67	1,060.14	325.53	4.257	
16,100.00	6,227.00	15,431.99	6,227.00	173.77	167.52	-90.00	9,294.76	2,341.73	1,387.22	1,058.20	329.02	4.216	
16,200.00	6,227.00	15,531.98	6,227.00	175.40	169.23	-90.00	9,394.74	2,340.53	1,388.78	1,056.26	332.51	4.177	
16,300.00	6,227.00	15,631.97	6,227.00	177.04	170.95	-90.00	9,494.72	2,339.33	1,390.33	1,054.32	336.01	4.138	
16,400.00	6,227.00	15,731.96	6,227.00	178.68	172.66	-90.00	9,594.70	2,338.13	1,391.88	1,052.38	339.50	4.100	
16,500.00	6,227.00	15,831.95	6,227.00	180.32	174.38	-90.00	9,694.68	2,336.93	1,393.43	1,050.43	343.00	4.063	
16,600.00	6,227.00	15,931.93	6,227.00	181.96	176.09	-90.00	9,794.66	2,335.73	1,394.98	1,048.48	346.49	4.026	
16,700.00	6,227.00	16,031.92	6,227.00	183.61	177.81	-90.00	9,894.64	2,334.54	1,396.53	1,046.54	349.99	3.990	
16,800.00	6,227.00	16,131.91	6,227.00	185.27	179.53	-90.00	9,994.62	2,333.34	1,398.08	1,044.59	353.49	3.955	
16,900.00	6,227.00	16,231.90	6,227.00	186.92	181.25	-90.00	10,094.61	2,332.14	1,399.63	1,042.64	356.99	3.921	
17,000.00	6,227.00	16,331.89	6,227.00	188.58	182.97	-90.00	10,194.59	2,330.94	1,401.18	1,040.69	360.49	3.887	
17,100.00	6,227.00	16,431.87	6,227.00	190.24	184.70	-90.00	10,294.57	2,329.74	1,402.73	1,038.74	363.99	3.854	
17,200.00	6,227.00	16,531.86	6,227.00	191.90	186.42	-90.00	10,394.55	2,328.54	1,404.28	1,036.79	367.50	3.821	
17,300.00	6,227.00	16,631.85	6,227.00	193.57	188.15	-90.00	10,494.53	2,327.34	1,405.83	1,034.83	371.00	3.789	
17,348.07	6,227.00	16,679.91	6,227.00	194.37	188.98	-90.00	10,542.59	2,326.77	1,406.58	1,033.89	372.68	3.774 SF	



# Civitas Resources

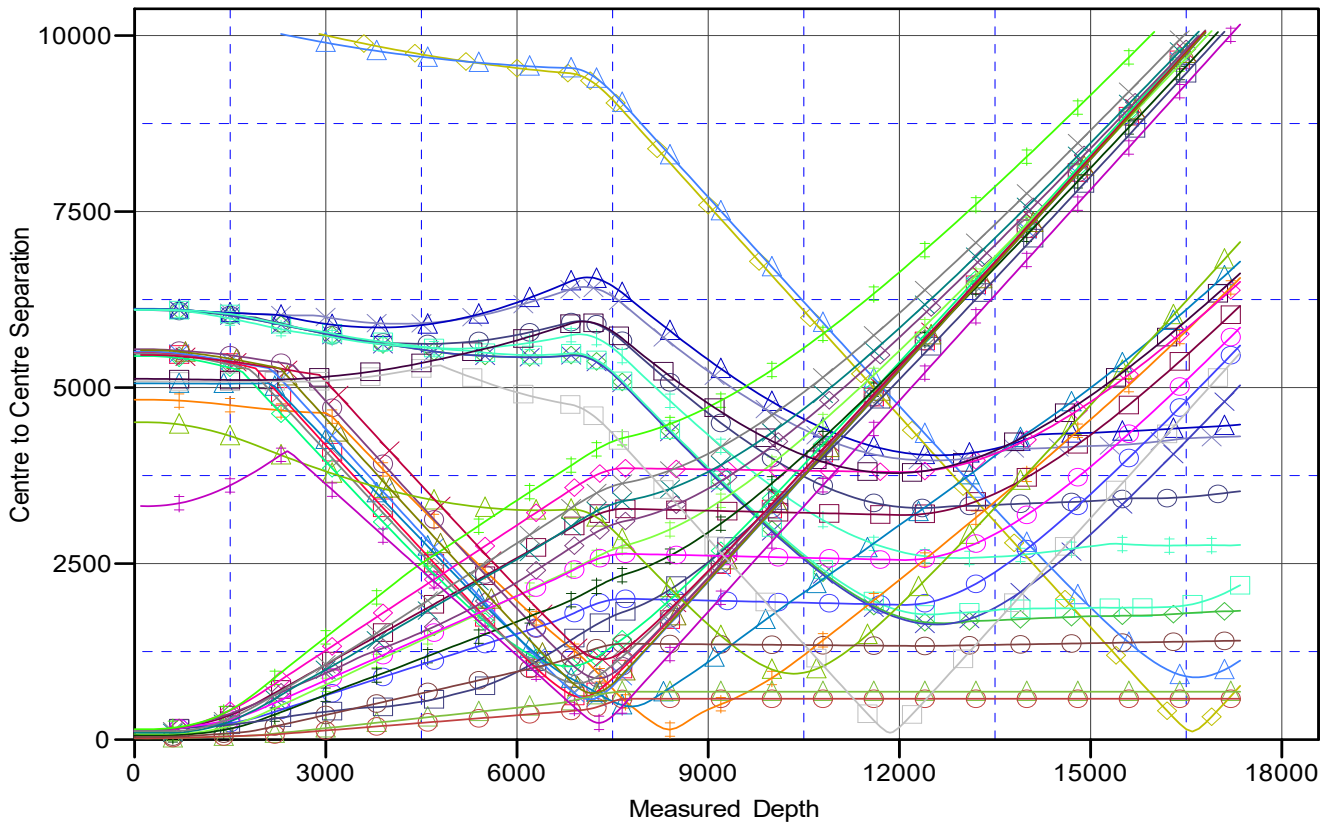
## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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-20-07  
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 3431-39NB, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-10-03, OMB, PROPOSAL 1V0
EXIST H2 NORTH PLATTE F-36H2, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE 144F41-39NC, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-10-01, OMB, PROPOSAL 1V0
EXIST H2 NORTH PLATTE F-36H2A, OMB, FINAL SURVEY V0	EXIST H2 SI 70 RANCH USX BB25-06-11N, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE F-36 FED 25N-10-01, OMB, PROPOSAL 1V0
EXIST H2 NORTH PLATTE F-36H2B, STK 1, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE F21-04-39NC, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE F-36H2C, OMB, FINAL SURVEY V0
EXIST H2 NORTH PLATTE F-36H2C, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-10-02, OMB, PROPOSAL 1V0	EXIST H2 STATE NORTH PLATTE F-36H2D, OMB, FINAL SURVEY V0
ABND VERT MONAHAN FEDERAL 24 (GYRO), OMB, GYRO V0	EXIST H2 STATE NORTH PLATTE F-36 FED 25N-10-02, OMB, PROPOSAL 1V0	EXIST H2 STATE NORTH PLATTE F-36H2E, OMB, FINAL SURVEY V0
EXIST H2 NORTH PLATTE F-36H2F, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-20-06, OMB, PROPOSAL 1V0	EXIST H2 STATE NORTH PLATTE F-36H2F, OMB, FINAL SURVEY V0
EXIST H2 NORTH PLATTE F-36H2G, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE K21-04-39NB, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE F-36H2G, OMB, FINAL SURVEY V0
EXIST H2 NORTH PLATTE F-36H2H, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE K21-04-39NB, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE F-36H2H, OMB, FINAL SURVEY V0
EXIST H2 SI 70 RANCH USX BB 25-06H2, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-20-08, OMB, PROPOSAL 1V0	EXIST H2 STATE NORTH PLATTE F-36H2I, OMB, FINAL SURVEY V0
EXIST H2 STATE NORTH PLATTE T-P-36H2B, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE T34P31-39NC, OMB, FINAL SURVEY V0	EXIST H2 STATE NORTH PLATTE F-36H2J, OMB, FINAL SURVEY V0
EXIST H2 STATE NORTH PLATTE F-36 FED 25N-10-04, OMB, PROPOSAL 1V0	ABND VERT 70 RANCH USX BB 25-07P, OMB, Design #1 V0	SI VERT 70 RANCH USX BB25-04 (GYRO), OMB, GYRO SURVEY V0

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



# Civitas Resources

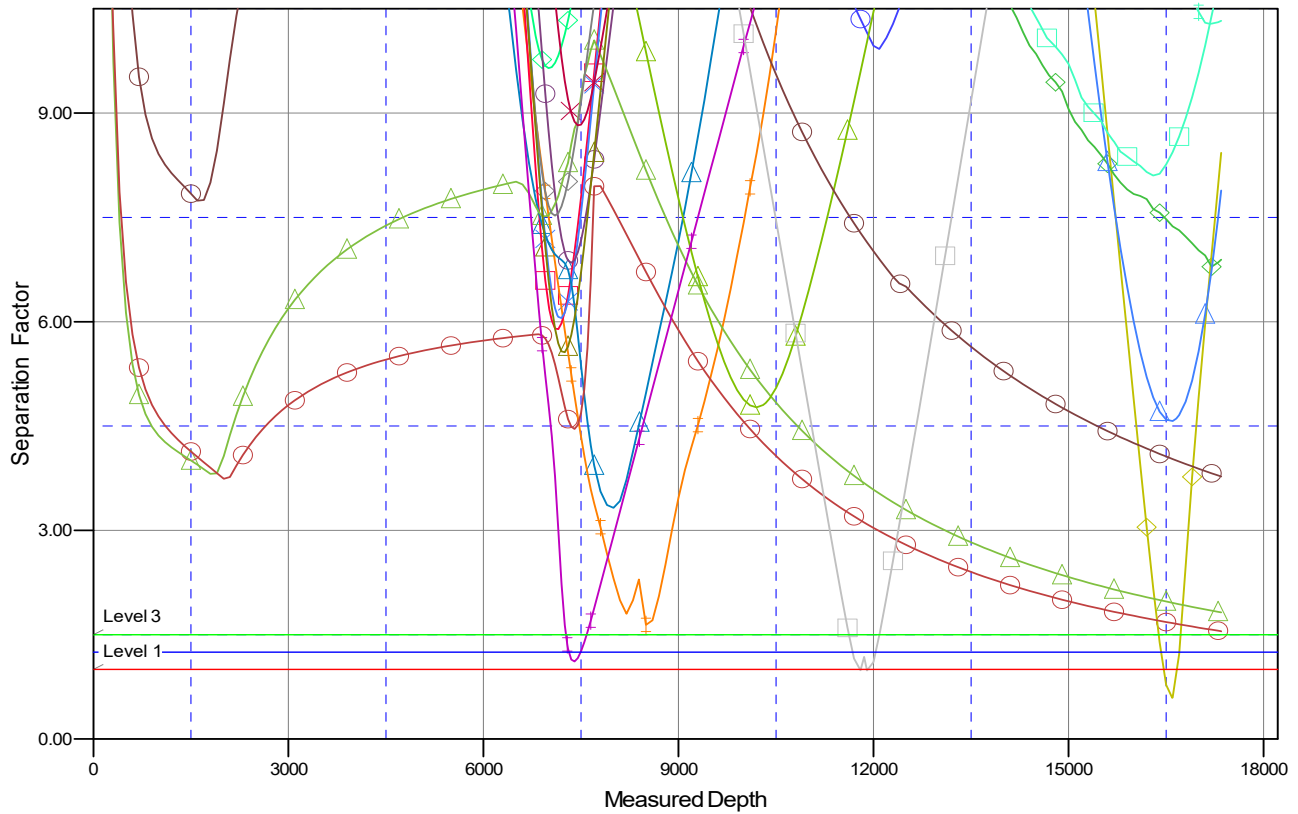
## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-07
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 4569.00usft
<b>Reference Site:</b>	SEC 36-T5N-R63W	<b>MD Reference:</b>	KB 25' @ 4569.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	STATE NORTH PLATTE F-36 FED 25N-20-07	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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-20-07  
 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 H2STATE NORTH PLATTE 3431-38NB, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-10-03, OMB, PROPOSAL 1V0
EXIST H2NORTH PLATTE F-36H2, OMB, FINAL SURVEY V0	EXIST H2STATE NORTH PLATTE 144N-13NB, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-10-01, OMB, PROPOSAL 1V0
EXIST H2NORTH PLATTE E-A-24NB, OMB, FINAL SURVEY V0	EXIST H2SI 70 RANCH USX BB25-96-11N, OMB, FINAL SURVEY V0	EXIST H2STATE NORTH PLATTE YU-39NC, OMB, FINAL SURVEY V0
EXIST H2NORTH PLATTE OK-24NB, STK 1 FINAL SURVEY V0	EXIST H2STATE NORTH PLATTE F21-04-39NC, OMB, FINAL SURVEY V0	EXIST H2STATE NORTH PLATTE F-J-39NB, OMB, FINAL SURVEY V0
ABND VERT MONAHAN FEDERAL 24 (GYRO), OMB, GYRO V0	STATE NORTH PLATTE F-36 FED 25N-10-02, OMB, PROPOSAL 1V0	EXIST H2STATE NORTH PLATTE F11-14-39NC, OMB, FINAL SURVEY V0
EXIST H2NORTH PLATTE E-A-24NC, OMB, FINAL SURVEY V0	EXIST H2STATE NORTH PLATTE Y44-U1-39NC, OMB, FINAL SURVEY V0	EXIST H2STATE NORTH PLATTE 11-36-1XNB, OMB, FINAL SURVEY V0
EXIST H2NORTH PLATTE A-24H2, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-20-08, OMB, PROPOSAL 1V0	EXIST H2STATE NORTH PLATTE 11-36-1XNC, OMB, FINAL SURVEY V0
EXIST H2NORTH PLATTE K-24H2, OMB, FINAL SURVEY V0	EXIST H2STATE NORTH PLATTE K21-04-39NB, OMB, FINAL SURVEY V0	EXIST H2STATE NORTH PLATTE 44-13-39NB, OMB, FINAL SURVEY V0
EXIST H2SI 70 RANCH USX BB 25-96H2, OMB, FINAL SURVEY V0	EXIST H2STATE NORTH PLATTE K-39H2, OMB, FINAL SURVEY V0	EXIST H2STATE NORTH PLATTE 44-13-39NB, OMB, FINAL SURVEY V0
EXIST H2STATE NORTH PLATTE T-P-36NB, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-20-08, OMB, PROPOSAL 1V0	EXIST H2STATE NORTH PLATTE K-36-39NB, OMB, FINAL SURVEY V0
EXIST H2STATE NORTH PLATTE F-36 FED 25N-10-04, OMB, PROPOSAL 1V0	EXIST H2STATE NORTH PLATTE T34-P31-39NC, OMB, FINAL SURVEY V0	EXIST H2SI 70 RANCH USX BB25-68N, OMB, FINAL SURVEY V0
	ABND VERT 70 RANCH USX BB 25-07P, OMB, Design#1 V0	SI VERT 70 RANCH USX BB25-04 (GYRO), OMB, GYRO SURVEY V0

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